



State of West Virginia
 Department of Administration
 Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

Request for Quotation

RFQ NUMBER
667C0034

PAGE
1

ADDRESS CORRESPONDENCE TO ATTENTION OF
JOHN JOHNSTON
304-558-2402

RFQ COPY

TYPE NAME/ADDRESS HERE

ENVIRONMENTAL SOLUTIONS INC.
10625 PATTERSON AVE
RICHMOND, VA 23238
801-740-5605

DIVISION OF HIGHWAYS
VARIOUS LOCALES AS INDICATED
BY ORDER

DATE PRINTED	TERMS OF SALE	SHIP VIA	FOB	FREIGHT TERMS
07/25/2007				

BID OPENING DATE: **08/15/2007** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	LS		745-21		
<p>MATERIALS FOR REPAIR & MAINTENANCE OF SILICONE, ASPHALT AND CONCRETE</p> <p>OPEN END CONTRACT</p> <p>TO FURNISH THE FOLLOWING MATERIALS OR "APPROVED EQUALS" FOR USE BY THE WEST VIRGINIA DIVISION OF HIGHWAYS IN THE REPAIR AND MAINTENANCE OF SILICONE, ASPHALT AND CONCRETE.</p> <p>SEE ATTACHED</p> <p>EXHIBIT 3</p> <p>LIFE OF CONTRACT: THIS CONTRACT BECOMES EFFECTIVE ON AND EXTENDS FOR A PERIOD OF ONE (1) YEAR OR UNTIL SUCH "REASONABLE TIME" THEREAFTER AS IS NECESSARY TO OBTAIN A NEW CONTRACT OR RENEW THE ORIGINAL CONTRACT. THE "REASONABLE TIME" PERIOD SHALL NOT EXCEED TWELVE (12) MONTHS. DURING THIS "REASONABLE TIME" THE VENDOR MAY TERMINATE THIS CONTRACT FOR ANY REASON UPON GIVING THE DIRECTOR OF PURCHASING 30 DAYS WRITTEN NOTICE.</p> <p>UNLESS SPECIFIC PROVISIONS ARE STIPULATED ELSEWHERE IN THIS CONTRACT DOCUMENT, THE TERMS, CONDITIONS AND PRICING SET HEREIN ARE FIRM FOR THE LIFE OF THE CONTRACT.</p>						

RECEIVED
2007 AUG -9 A 9:55
PURCHASING DIVISION
STATE OF WV

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE: *James P. [Signature]* TELEPHONE: **801-740-5605** DATE: **8/7/07**

TITLE: **DIRECTOR OF PURCHASING** ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'



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<p>RENEWAL: THIS CONTRACT MAY BE RENEWED UPON THE MUTUAL WRITTEN CONSENT OF THE SPENDING UNIT AND VENDOR, SUBMITTED TO THE DIRECTOR OF PURCHASING THIRTY (30) DAYS PRIOR TO THE EXPIRATION DATE. SUCH RENEWAL SHALL BE IN ACCORDANCE WITH THE TERMS AND CONDITIONS OF THE ORIGINAL CONTRACT AND SHALL BE LIMITED TO TWO (2) ONE (1) YEAR PERIODS.</p> <p>CANCELLATION: THE DIRECTOR OF PURCHASING RESERVES THE RIGHT TO CANCEL THIS CONTRACT IMMEDIATELY UPON WRITTEN NOTICE TO THE VENDOR IF THE COMMODITIES AND/OR SERVICES SUPPLIED ARE OF AN INFERIOR QUALITY OR DO NOT CONFORM TO THE SPECIFICATIONS OF THE BID AND CONTRACT HEREIN.</p> <p>OPEN MARKET CLAUSE: THE DIRECTOR OF PURCHASING MAY AUTHORIZE A SPENDING UNIT TO PURCHASE ON THE OPEN MARKET, WITHOUT THE FILING OF A REQUISITION OR COST ESTIMATE, ITEMS SPECIFIED ON THIS CONTRACT FOR IMMEDIATE DELIVERY IN EMERGENCIES DUE TO UNFORESEEN CAUSES (INCLUDING BUT NOT LIMITED TO DELAYS IN TRANSPORTATION OR AN UNANTICIPATED INCREASE IN THE VOLUME OF WORK.)</p> <p>QUANTITIES: QUANTITIES LISTED IN THE REQUISITION ARE APPROXIMATIONS ONLY, BASED ON ESTIMATES SUPPLIED BY THE STATE SPENDING UNIT. IT IS UNDERSTOOD AND AGREED THAT THE CONTRACT SHALL COVER THE QUANTITIES ACTUALLY ORDERED FOR DELIVERY DURING THE TERM OF THE CONTRACT, WHETHER MORE OR LESS THAN THE QUANTITIES SHOWN.</p> <p>ORDERING PROCEDURE: SPENDING UNIT(S) SHALL ISSUE A WRITTEN STATE CONTRACT ORDER (FORM NUMBER WV-39) TO THE VENDOR FOR COMMODITIES COVERED BY THIS CONTRACT. THE ORIGINAL COPY OF THE WV-39 SHALL BE MAILED TO THE VENDOR AS AUTHORIZATION FOR SHIPMENT, A SECOND COPY MAILED TO THE PURCHASING DIVISION, AND A THIRD COPY</p>						

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<p>RETAINED BY THE SPENDING UNIT.</p> <p>BANKRUPTCY: IN THE EVENT THE VENDOR/CONTRACTOR FILES FOR BANKRUPTCY PROTECTION, THIS CONTRACT IS AUTOMATICALLY NULL AND VOID, AND IS TERMINATED WITHOUT FURTHER ORDER.</p> <p>THE TERMS AND CONDITIONS CONTAINED IN THIS CONTRACT SHALL SUPERSEDE ANY AND ALL SUBSEQUENT TERMS AND CONDITIONS WHICH MAY APPEAR ON ANY ATTACHED PRINTED DOCUMENTS SUCH AS PRICE LISTS, ORDER FORMS, SALES AGREEMENTS OR MAINTENANCE AGREEMENTS, INCLUDING ANY ELECTRONIC MEDIUM SUCH AS CD-ROM.</p> <p>REV. 04/11/2001</p> <p>PURCHASING CARD ACCEPTANCE: THE STATE OF WEST VIRGINIA CURRENTLY UTILIZES A VISA PURCHASING CARD PROGRAM WHICH IS ISSUED THROUGH A BANK. THE SUCCESSFUL VENDOR MUST ACCEPT THE STATE OF WEST VIRGINIA VISA PURCHASING CARD FOR PAYMENT OF ALL ORDERS PLACED BY ANY STATE AGENCY AS A CONDITION OF AWARD.</p> <p>VENDOR PREFERENCE CERTIFICATE</p> <p>CERTIFICATION AND APPLICATION* IS HEREBY MADE FOR PREFERENCE IN ACCORDANCE WITH WEST VIRGINIA CODE, 5A-3-37 (DOES NOT APPLY TO CONSTRUCTION CONTRACTS).</p> <p>A. APPLICATION IS MADE FOR 2.5% PREFERENCE FOR THE REASON CHECKED:</p> <p>() BIDDER IS AN INDIVIDUAL RESIDENT VENDOR AND HAS RESIDED CONTINUOUSLY IN WEST VIRGINIA FOR FOUR (4) YEARS IMMEDIATELY PRECEDING THE DATE OF THIS</p>						

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<p>CERTIFICATION; OR</p> <p>() BIDDER IS A PARTNERSHIP, ASSOCIATION OR CORPORATION RESIDENT VENDOR AND HAS MAINTAINED ITS HEAD-QUARTERS OR PRINCIPAL PLACE OF BUSINESS CONTINUOUSLY IN WEST VIRGINIA FOR FOUR (4) YEARS IMMEDIATELY PRECEDING THE DATE OF THIS CERTIFICATION; OR 80% OF THE OWNERSHIP INTEREST OF BIDDER IS HELD BY ANOTHER INDIVIDUAL, PARTNERSHIP, ASSOCIATION OR CORPORATION RESIDENT VENDOR WHO HAS MAINTAINED ITS HEADQUARTERS OR PRINCIPAL PLACE OF BUSINESS CONTINUOUSLY IN WEST VIRGINIA FOR FOUR (4) YEARS IMMEDIATELY PRECEDING THE DATE OF THIS CERTIFICATION; OR</p> <p>() BIDDER IS A CORPORATION NONRESIDENT VENDOR WHICH HAS AN AFFILIATE OR SUBSIDIARY WHICH EMPLOYS A MINIMUM OF ONE HUNDRED STATE RESIDENTS AND WHICH HAS MAINTAINED ITS HEADQUARTERS OR PRINCIPAL PLACE OF BUSINESS WITHIN WEST VIRGINIA CONTINUOUSLY FOR THE FOUR (4) YEARS IMMEDIATELY PRECEDING THE DATE OF THIS CERTIFICATION.</p> <p>B. APPLICATION IS MADE FOR 2.5% PREFERENCE FOR THE REASON CHECKED:</p> <p>() BIDDER IS A RESIDENT VENDOR WHO CERTIFIES THAT, DURING THE LIFE OF THE CONTRACT, ON AVERAGE AT LEAST 75% OF THE EMPLOYEES WORKING ON THE PROJECT BEING BID ARE RESIDENTS OF WEST VIRGINIA WHO HAVE RESIDED IN THE STATE CONTINUOUSLY FOR THE TWO YEARS IMMEDIATELY PRECEDING SUBMISSION OF THIS BID;</p> <p>OR</p> <p>() BIDDER IS A NONRESIDENT VENDOR EMPLOYING A MINIMUM OF ONE HUNDRED STATE RESIDENTS OR IS A NONRESIDENT VENDOR WITH AN AFFILIATE OR SUBSIDIARY WHICH MAINTAINS ITS HEADQUARTERS OR PRINCIPAL PLACE</p>						

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<p>OF BUSINESS WITHIN WEST VIRGINIA EMPLOYING A MINIMUM OF ONE HUNDRED STATE RESIDENTS WHO CERTIFIES THAT, DURING THE LIFE OF THE CONTRACT, ON AVERAGE AT LEAST 75% OF THE EMPLOYEES OR BIDDERS' AFFILIATE'S OR SUBSIDIARY'S EMPLOYEES ARE RESIDENTS OF WEST VIRGINIA WHO HAVE RESIDED IN THE STATE CONTINUOUSLY FOR THE TWO YEARS IMMEDIATELY PRECEDING SUBMISSION OF THIS BID.</p> <p>BIDDER UNDERSTANDS IF THE SECRETARY OF TAX & REVENUE DETERMINES THAT A BIDDER RECEIVING PREFERENCE HAS FAILED TO CONTINUE TO MEET THE REQUIREMENTS FOR SUCH PREFERENCE, THE SECRETARY MAY ORDER THE DIRECTOR OF PURCHASING TO: (A) RESCIND THE CONTRACT OR PURCHASE ORDER ISSUED; OR (B) ASSESS A PENALTY AGAINST SUCH BIDDER IN AN AMOUNT NOT TO EXCEED 5% OF THE BID AMOUNT AND THAT SUCH PENALTY WILL BE PAID TO THE CONTRACTING AGENCY OR DEDUCTED FROM ANY UNPAID BALANCE ON THE CONTRACT OR PURCHASE ORDER.</p> <p>BY SUBMISSION OF THIS CERTIFICATE, BIDDER AGREES TO DISCLOSE ANY REASONABLY REQUESTED INFORMATION TO THE PURCHASING DIVISION AND AUTHORIZES THE DEPARTMENT OF TAX AND REVENUE TO DISCLOSE TO THE DIRECTOR OF PURCHASING APPROPRIATE INFORMATION VERIFYING THAT BIDDER HAS PAID THE REQUIRED BUSINESS TAXES, PROVIDED THAT SUCH INFORMATION DOES NOT CONTAIN THE AMOUNTS OF TAXES PAID NOR ANY OTHER INFORMATION DEEMED BY THE TAX COMMISSIONER TO BE CONFIDENTIAL.</p> <p>UNDER PENALTY OF LAW FOR FALSE SWEARING (WEST VIRGINIA CODE 61-5-3), BIDDER HEREBY CERTIFIES THAT THIS CERTIFICATE IS TRUE AND ACCURATE IN ALL RESPECTS; AND THAT IF A CONTRACT IS ISSUED TO BIDDER AND IF ANYTHING CONTAINED WITHIN THIS CERTIFICATE CHANGES DURING THE TERM OF THE CONTRACT, BIDDER WILL NOTIFY THE PURCHASING DIVISION IN WRITING IMMEDIATELY.</p>						

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801-740-5605

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<p>BIDDER: ENVIRONMENTAL SOLUTIONS INC.</p> <p>DATE: 8/7/07</p> <p>SIGNED: <i>James P. Jones</i></p> <p>TITLE: DIRECTOR OF MARKETING</p> <p>* CHECK ANY COMBINATION OF PREFERENCE CONSIDERATION(S) IN EITHER "A" OR "B", OR BOTH "A" AND "B" WHICH YOU ARE ENTITLED TO RECEIVE. YOU MAY REQUEST UP TO THE MAXIMUM 5% PREFERENCE FOR BOTH "A" AND "B". (REV. 12/00)</p> <p>NOTICE</p> <p>A SIGNED BID MUST BE SUBMITTED TO:</p> <p>DEPARTMENT OF ADMINISTRATION PURCHASING DIVISION BUILDING 15 2019 WASHINGTON STREET, EAST CHARLESTON, WV 25305-0130</p> <p>THE BID SHOULD CONTAIN THIS INFORMATION ON THE FACE OF THE ENVELOPE OR THE BID MAY NOT BE CONSIDERED:</p> <p>SEALED BID</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE: *James P. Jones* TELEPHONE: **804-740-5605** DATE: **8/7/07**

TITLE: **DIRECTOR OF MARKETING** ADDRESS CHANGES TO BE NOTED ABOVE

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<p>BUYER: 33</p> <p>RFQ. NO.: 667C0034</p> <p>BID OPENING DATE AND TIME</p> <p>PLEASE PROVIDE A FAX NUMBER IN CASE IT IS NECESSARY TO CONTACT YOU REGARDING YOUR BID: 804-740-5495</p> <p>CONTACT PERSON (PLEASE PRINT CLEARLY): JAMES GOREY</p> <p>***** THIS IS THE END OF RFQ 667C0034 ***** TOTAL: _____</p>						

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1. **SPECIFICATIONS**

The following sections of the West Virginia Department of Transportation, Division of Highways Standard Specifications, Roads and Bridges, adopted 2000, as modified by the current Supplemental Specifications at time of bid opening shall apply to the administration of this contract: Sections 101, 102.4, 102.5, 105.1, 105.3, 105.4, 105.10, 105.11, 105.12, 105.13, 106.3, 106.4, 106.5, 106.6, 106.7, 106.9, 107.1, 107.2, 107.3, 107.14, 107.19, 107.20, 108.8, 109.1, 109.2 and 109.20.

The terms "Contractor and Vendor" used in the above specifications of this Contract are interchangeable. Contractor shall mean Vendor and Vendor shall mean Contractor.

West Virginia Department of Transportation, Division of Highways' Standard Specifications Roads and Bridges, adopted 2000, and the current Supplemental Specifications at time of bid opening may be obtained from:

West Virginia Department of Transportation
Division of Highways, Building 5, Room A729
1900 Kanawha Blvd., East
Charleston, West Virginia 25305

2. **CONCRETE PATCHING & REPAIR**

2.1 **SSI SILSPEC® FLEXPATCH POLYMER PATCHING MORTAR or "Approved Equal"**

The polymer patching mortar shall be a three-component (polymer resin, curing agent, engineered blend of graded aggregates), 100 percent solids, high-strength, non-shrink, water-proof, abrasion resistant, non-conductive, semi-flexible patching material that adheres to concrete and steel, and requires no external application of heat for curing. The polymer patching mortar shall cure sufficiently to accept traffic within four (4) hours at a substrate temperature of 70° F. Minimum substrate temperature shall be 40° F. Shelf life of unopened material shall be one (1) year when stored between 50° F and 90° F. Polymer patching mortar shall meet the following physical requirements:

Compressive Strength:	1500 PSI min @ 4 hrs	ASTM C 579 Method B
	2400 PSI min @ 24 hrs	ASTM C 579 Method B
Bond Shear Strength:	650 PSI min	ASTM C 882
Linear Shrinkage	0.00 %	ASTM C 531
Abrasion Resistance:	1.0 max	ASTM C 501, Taber H22
Chloride Ion Perm:	1.0 max Coulombs	AASHTO T-277
Resilience:	70 % min	OK/OHD L6
Thermal Compatibility:	Pass	ASTM C 884

2.2 **WINTER GRADE SSI SILSPEC® FLEXPATCH POLYMER PATCHING MORTAR or "Approved Equal"**

Winter grade polymer patching mortar shall have the same physical properties as 1.1 above except for substrate temperature. Winter grade polymer patching mortar shall have a substrate temperature range between 10° F and 40° F. The polymer patching mortar shall cure sufficiently to accept traffic within four (4) hours at a substrate temperature of 20° F.

2.3 IMCO TECHNOLOGIES INC., MG-KRETE REGULAR AND FINE or "Approved Equal".

MG-Krete is a two component (Part A and B) high early strength structural repair material. Material can be used for all types of concrete repairs from patching deep holes to shallow feathering, poured in forms, trowel vertically and overhead. Material does not shrink on cure, self-priming and will bond to most construction materials (concrete, wood, steel, asphalt, etc.), cures rapidly with return to service in @ 30 min, is non-toxic and cleans up with water. MG-Krete has the following physical properties:

Water Absorption: waterproof

Compression Strength:

45 Min 2,610 psi

24 hrs 5,148 psi

7 days 5,815 psi

28 days 11,194 psi

Temp. Limits: 14° F (w/accelerator) to 100° F (w/retarder)

Initial Set Time @ 68° F 15 min.

2.4 IMCO TECHNOLOGIES INC., MG-KRETE WITH FLEX REGULAR AND FINE or "Approved Equal".

MG-Krete FLEX is similar to item 1.3 above, and can be used in areas where material may be subject to flexure.

2.5 IMCO TECHNOLOGIES INC., HIGH TEMPERATURE RETARDER or "Approved Equal".

High Temperature Retarder is a powder additive that may be added to the MG-KRETE to extend working time when temperature rises above 77° F to 113° F.

2.6 IMCO TECHNOLOGIES INC., LOW TEMPERATURE ACCELERATOR or "Approved Equal".

Low Temperature Accelerator is a powder additive that may be added to the MG-KRETE to accelerate cure when ambient temperature drops below 50° F. The accelerator may be used to help cure in temperatures as low as 15° F.

2.7 CERATECH INC. PAVEMEND 5.0 VERY RAPID REPAIR MORTAR or "Approved Equal".

Pavemend 5.0 is a cementitious very rapid setting, self-leveling structural repair mortar. It is a single component powder that is water activated. Material can be used for horizontal concrete repairs in a wide range of temperature. Pavemend 5.0 has the following physical properties:

Compression Strength:

1 hour 3,330 psi

24 hrs 5,060 psi

7 days 6,030 psi

28 days 6,100 psi

Temp. Limits: 0° F to 100°

Initial Set Time @ 72° F 2-4 min.

- 2.8 **CERATECH INC. PAVEMEND 15.0 RAPID REPAIR MORTAR or "Approved Equal"**. Pavemend 15.0 is a cementitious rapid setting, self-leveling structural repair mortar. It is a single component powder that is water activated. Material can be used for horizontal concrete repairs in a wide range of temperature. Pavemend 15.0 has the following physical properties:

Compression Strength:

2 hour	2,700 psi
3 hour	3,870 psi
24 hrs	4,230 psi
7 days	5,570 psi
28 days	6,300 psi

Temp. Limits: 30° F to 110°

Initial Set Time @ 72° F 7-9 min.

- 2.9 **CERATECH INC. PAVEMEND VR REPAIR MORTAR or "Approved Equal"**. Pavemend VR is a cementitious rapid setting, one step structural repair mortar with parging mortar consistency. It is a single component powder that is water activated. Material can be used for vertical and overhead concrete repairs in a wide range of temperature. Pavemend VR has 25-30 min of working time plus an additional 10 to 15 minutes to shape and shave the repair to match existing contours. Material can be applied in a single lift from 1/16" to over 4" without bonding agents. Pavemend VR has the following physical properties:

Compression Strength:

3 hour	2,753 psi
24 hrs	4,298 psi
7 days	5,539 psi
28 days	8,960 psi

Bond Strength:

24 hrs	2,067 psi
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Temp. Limits: 40° F to 100°

Initial Set Time @ 72° F 15-20 min.

3. **CONCRETE SEALING AND WATERPROOFING**

- 3.1 **SSI DECKSEAL POLYMER DECK SEALANT or "Approved Equal"**

DECKSEAL is a two component polymer based sealing material designed for crack and surface sealing. Mix ratio is 1 part A to 1 part B. Typical coverage of 90 to 150 sq. ft./gal depending on porosity and surface profile of substrate. DECKSEAL contains U42 Fluorescent Tracer Dye, which illuminates under black light. This provides evidence of penetration. DECKSEAL has the following physical properties:

Chloride Ion Penetration:	0 % @ 90 Days Ponding	AASHTO T-259
Bond Strength:	2,220 PSI 14 Days	ASTM C 882
Brookfield Viscosity:	<50 cps	ASTM C 881
Water Absorption:	0.74 %max 24 hrs.	ASTM C 570
Tensile Strength:	3,000	ASTM D 638
Elongation @ Break:	4 % min	ASTM D 638
V.O.C.:	<250g/L	
Shelf Life:	1 Year Unopened	

3.2 SSI RE-DECK SKID-RESISTANT OVERLAY or "Approved Equal"

SSI RE-DECK is a solvent-free, moisture insensitive, 100% solids, low modulus, two component urethane-epoxy bonding agent. Mix ratio is 1:1. When broadcast with select aggregate forms a skid-resistant overlay. Typical coverage of 40 sq. ft./gal first course with 10 lbs/sq. yd. aggregate and 20 sq. ft./gal second course with 14 lbs/sq. yd. aggregate. RE-DECK has the following physical properties:

Compressive Modulus:	65,000 PSI	ASTM D 695
Tensile Strength	2,500 PSI	ASTM D 638
Tensile Elongation	50%	ASTM D 638
Bond Strength:	3,000 PSI 14 day cure	ASTM C 882
Linear Shrinkage	Negligible	ASTM C 883
Absorption:	0.20 %	ASTM D 570
Chloride Ion Perm:	0.9 Coulombs	AASHTO T-277
Shore D Hardness:	70	ASTM D 2240
Thermal Compatibility:	Pass	ASTM C 884
Brookfield Viscosity:	1,500 cps RV3 @ 20 rpm	ASTM C 881

3.3 KANSAS BLEND FLINT FOR RE-DECK OVERLAY or "Approved Equal"

Flint aggregate for use with SSI RE-DECK shall be clean dry flint, free of dust or contaminants that would interfere with the bonding to the SSI RE-DECK material. Flint material shall be angular in shape and have the following gradation:

Sieve	% Passing
#4	100
#8	30-40
#16	0-5
#30	0-1

3.4 IMCO TECHNOLOGIES INC., D-TECH 470 SEALER or "Approved Equal"

D-TECH is a ready to use, clear, water-based penetrating sealer for application to the surface of concrete, above or below grade. D-TECH penetrates deeply into the capillary pores of the concrete and crystallizes, becoming part of the concrete itself. Sealer can be brushed, rolled or spayed on concrete for sealing, hardening, dust proofing, waterproofing and weatherproofing. D-TECH has the following characteristics:

- Increases concrete density and hardness
- Prevents chemical corrosion and physical abrasion of treated surface
- Effective in reducing freeze-thaw spalling
- Treatment is permanent and does not require subsequent re-application
- Effective negative side waterproofing of hydrostatic head over 115 ft.
- Reduces or eliminates efflorescence and leaching in concrete
- Effective barrier of water-vapor emission (without loss of breathability)
- Solvent-free, odor-free. Non-toxic, and non-flammable
- Improves bonding of cementitious toppings
- Ultra-violet stability
- Does not change the appearance of the concrete
- Can be applied to green concrete and old concrete
- Two light coats 300-400 sq. ft./gal depending on porosity and surface profile of substrate

3.5 AQUAFIN INC., AQUAFIN-IC ADMIX or "Approved Equal".

AQUAFIN-IC ADMIX is a liquid water-proofing additive for concrete, consisting of a water based suspension of inorganic water-proofing agents. AQUAFIN-IC ADMIX can be added during the batching process or in a ready-mix truck at the job site. During concrete hardening AQUAFIN-IC ADMIX forms millions of fine crystalline fibers inside the capillary pores blocking the flow of water thus making the concrete permanently water-tight and increasing compressive strength by 25%. AQUAFIN-IC ADMIX has the following characteristics:

- Liquid for easier homogenous mixing and no clumping
- Resists extreme head pressure 460 ft or 200 psi
- Seals hairline cracks up to 1/64"
- Integral part of the concrete
- Allows concrete to breathe
- Max. water/cement ratio 0.55 before adding AQUAFIN-IC ADMIX
- Negligible effect on water reducers, plasticizers, slump, air entrainment
- 0 VOC & Non toxic
- Non-chloride, non-corrosive to steel
- Working temperature >40° F
- PH 10-12

4. ASPHALT REPAIR & PATCHING

4.1 IMCO TECHNOLOGIES INC., PERMANENT ASPHALT REPAIR 800 or "Approved Equal".

PERMANENT ASPHALT REPAIR has a unique formulation designed to achieve optimum performance all year long in any weather condition with one product. It permanently repairs any holes in asphalt or concrete, in all types of weather even wet, freezing or extreme heat conditions. Formulation is premixed and ready to use, no primer required. PERMANENT ASPHALT REPAIR has the following physical properties:

Asphalt Content:	5.2%	ASTM D2172-92
Static Stripping:	95-100%	ASTM D1664-80
Kinetic Stripping:	95%	OPSS 1153-02-01
Shelf Life:	1 Year	
Coverage:	10 lbs/sf. @ 1" lift,	1.4 tons/cy

5. JOINT SEALANT

5.1 DOW CORNING® 888 SILICONE JOINT SEALANT or "Approved Equal".

DOW CORNING® 888 silicone joint sealant is a one-part, cold applied silicone that cures to a durable flexible, low-modulus silicone rubber joint sealant for new and remedial joint sealing applications in Portland cement concrete. DOW CORNING® 888 has the following physical properties:

Color:	Gray
Specific Gravity:	1.450-1.515
Skin-Over Time:	10 min. @ 77° F
Tack-Free Time:	60 min. @ 77° F

Cure Time: 7-24 days @ 77° F
 Full Adhesion: 14-21 days
 After 7 day cure @ 77° F & 50% RH
 Elongation Minimum: 1200%
 Modulus @ 150%

Joint Movement Capability
 +100/-50%, 10 Cycles: No Failure
 Adhesion to Concrete
 Minimum Elongation: +500%

5.2 DOW CORNING® 890-SL SILICONE JOINT SEALANT or "Approved Equal".

DOW CORNING® 890-SL Self-Leveling Silicone Joint Sealant is a one-part, cold applied, self-leveling silicone material that cures to an ultra-low-modulus silicone rubber upon exposure to atmospheric moisture. Sealant can be used for new and remedial joint sealing applications in Portland cement concrete and asphalt. DOW CORNING® 890-SL has the following physical properties:

Color: Dark Gray
 Flow, Sag, Slump: Self-Leveling
 Percent Solids: 96% min
 Specific Gravity: 1.26-1.34
 Skin-Over Time: 60 min. @ 77° F
 Cure Time: 14 days @ 77° F
 Full Adhesion: 14-21 days
 After 21 day cure @ 77° F & 50% RH
 Elongation Minimum: 1400%
 Modulus @ 50%
 Elongation Maximum: 7 psi
 Modulus @ 100%
 Elongation Maximum: 8 psi
 Modulus @ 150%
 Elongation Maximum: 9 psi
 Durometer Hardness
 Shore A: 15-25 points
 Joint Movement Capability
 +100/-50%, 10 Cycles: No Failure
 Adhesion to Concrete
 Minimum Elongation: +600%
 Adhesion to Asphalt
 Minimum Elongation: +600%

6. CONTRACT REQUIREMENTS

The purpose of this contract is to establish unit prices for Items 1 thru 17, which are to be used as the basis for requisition of materials for the repair and maintenance of silicone, asphalt, and concrete. All components bid as equal, must prove they are equal, through supporting research and analysis of composition to the satisfaction of the West Virginia Department of Transportation, Division of Highways. At the discretion of the West Virginia

Department of Transportation, Division of Highways, items bid as equal may be required to undergo a performance evaluation, under field conditions, to assure performance before being accepted as equal.

Bid price for Items 1 thru 17 shall be "F.O.B." Division of Highways storage sites as indicated on the Approved State Contract Purchase Order (SCO). Refer to bid schedule for a listing of the Division of Highways storage sites.

Vendor may bid any or all items on the bid schedule. However, the amount bid on any one item may be conditioned on the acceptance of the bid on any other item.

Any qualification of bids or modification of the specification or conditions governing the bid may be cause to reject bids.

Any vendor bidding on items in this contract shall supply technical support and on site instructional training in the proper use and application of their products. The vendor shall also provide on site evaluation of all products bid in the event of product failure or performance problems to ascertain the cause and recommend remedial action. The vendor shall provide this support to all Districts and Maintenance Division when requested, in a timely manner (within three working days) from time of request.

7. **CONTRACT AWARD**

Contract shall be awarded on any individual item basis.

In the event a Vendor fails to conform to the requirements of this contract document or the governing specifications the contract may be canceled and re-awarded to the next lowest bidder.

8. **DELIVERY**

Upon receipt of a State Contract Order (SCO) the requested item(s) shall be delivered or available for Division of Highways pick-up within fifteen (15) calendar days.

9. **VENDOR'S INVOICE**

Vendor's invoice must be submitted in original and one (1) copy and contain the following:

- a. Division of Highways' State Contract Order (SCO) Number and this contract number.
- b. Total quantity and unit price with the extended total cost of each item purchased.

Under no circumstances will the West Virginia Division of Highways accept, or pay for quantities in excess of the quantities stated on the State Contract Order.

Districts 1-10 & Maintenance Div.

1. SSI Flexpatch Polymer Patching or "Approved Equal"	<u>N/A</u> per Unit	<u>N/A</u> per 30 Unit Lot
2. SSI Winter Grade <u>Flexpatch</u> Polymer Patching or "Approved Equal"	<u>N/A</u> per Unit	<u>N/A</u> per 30 Unit Lot
3. SSI Deckseal Polymer Deck Sealant or "Approved Equal"	<u>N/A</u> per 2 gal	<u>N/A</u> per 10 gal
4. SSI RE-DECK Skid Resistant Overlay or "Approved Equal"	<u>N/A</u> per 2 gal	<u>N/A</u> per 12 Lot-10 gal ea
5. IMCO® MG-KRETE™ Regular & Fine or "Approved Equal"	<u>N/A</u> per Kit	<u>N/A</u> per 40 Kit Lot
6. IMCO® MG-KRETE™ Flex Regular & Fine or "Approved Equal"	<u>N/A</u> per Kit	<u>N/A</u> per 40 Kit Lot
7. IMCO® High Temp. Retarder Regular & Fine or "Approved Equal"	<u>N/A</u> per gal	<u>N/A</u> per 5 gal
8. IMCO® Low Temp. Accelerator Regular & Fine or "Approved Equal"	<u>N/A</u> per gal	<u>N/A</u> per 5 gal
9. IMCO® D-Tech 470 Sealer or "Approved Equal"	<u>N/A</u> per 5 gal	<u>N/A</u> per 12 Lot-5 gal ea
10. IMCO® Permanent Asphalt Repair 800 or "Approved Equal"	<u>N/A</u> per 50 lb bag	<u>N/A</u> per 40 bag Lot
11. CERATECH Pavemend 5.0 Very Rapid Repair Mortar or "Approved Equal"	<u>\$48.89</u> per 5 gal	<u>\$1,760.04</u> per 36 Lot-5 gal ea
12. CERATECH Pavemend 15.0 Rapid Repair Mortar or "Approved Equal"	<u>\$48.89</u> per 5 gal	<u>\$1,760.04</u> per 36 Lot-5 gal ea

- Unit equals 1 cubic foot
- Kit equals 50lb (45lb Fine) bag Part A, 1 gal Part B

10. **BID SCHEDULE (Continued)**
Division of Highways Storage Sites
Districts 1-10 & Maintenance Div.

ITEM/UNIT PRICE

- | | | |
|---|---|---------------------------------------|
| 13. CERATECH Pavemend VR
Repair Mortar
or "Approved Equal" | <u>48.89</u> per 5 gal | <u>\$1,760.04</u> per 36 Lot-5 gal ea |
| 14. AQUAFIN, INC. Aquafin-IC
Admix
or "Approved Equal" | <u>N/A</u> per 6 gal | <u>N/A</u> per 12 Lot-6 gal ea |
| 15. Kansas Blend FLINT
for SSI RE-DECK
or "Approved Equal" | <u>N/A</u> per 80 lb bag | <u>N/A</u> per 36 bag Lot |
| 16. DOW CORNING® 888
Silicone Joint Sealant
or "Approved Equal" | <u>N/A</u> per box (6-29 fl oz disposable cartridges) | |
| 17. DOW CORNING® 890
Silicone Joint Sealant
or "Approved Equal" | <u>N/A</u> per box (6-29 fl oz disposable cartridges) | |

Division of Highways Storage Sites

District One
1334 Smith Street
Charleston, WV 25301

District Two
P.O. Box 880
Huntington, WV 25712

District Three
624 Depot Street
Parkersburg, WV 26101

District Four
P. O. Box 4220
Clarksburg, WV 26302-4220

District Five
P.O. Box 99 (US Route 50)
Burlington, WV 26710

District Six
1 DOT Drive
Moundsville, WV 26041

District Seven
P.O. Box 1228
Weston, WV 26452

District Eight
US Route 219 North
P.O. Box 1516
Elkins, WV 26241

District Nine
103 1/2 Church Street
Lewisburg, WV 24901

District Ten
270 Hardwood Lane
Princeton, WV 24740

Maintenance Division
I-79 Exit 57
Coon Knob, WV 26601

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

West Virginia Code §5A-3-10a states: No contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and the debt owned is an amount greater than one thousand dollars in the aggregate

DEFINITIONS:

"Debt" means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

"Debtor" means any individual, corporation, partnership, association, limited liability company or any other form or business association owing a debt to the state or any of its political subdivisions. "Political subdivision" means any county commission; municipality; county board of education; any instrumentality established by a county or municipality; any separate corporation or instrumentality established by one or more counties or municipalities, as permitted by law; or any public body charged by law with the performance of a government function or whose jurisdiction is coextensive with one or more counties or municipalities. "Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceed five percent of the total contract amount.

EXCEPTION: The prohibition of this section does not apply where a vendor has contested any tax administered pursuant to chapter eleven of this code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

LICENSING: Vendors must be licensed and in good standing in accordance with any and all state and local laws and requirements by any state or local agency of West Virginia, including, but not limited to, the West Virginia Secretary of State's Office, the West Virginia Tax Department, West Virginia Insurance Commission, or any other state agencies or political subdivision. Furthermore, the vendor must provide all necessary releases to obtain information to enable the Director or spending unit to verify that the vendor is licensed and in good standing with the above entities.

CONFIDENTIALITY: The vendor agrees that he or she will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the agency's policies, procedures and rules. Vendors should visit www.state.wv.us/admin/purchase/privacy for the Notice of Agency Confidentiality Policies.

Under penalty of law for false swearing (West Virginia Code, §61-5-3), it is hereby certified that the vendor acknowledges the information in this said affidavit and are in compliance with the requirements as stated.

Vendor's Name: ENVIRONMENTAL SOLUTIONS INC.

Authorized Signature: James P. Gray Date: 8/7/07