



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
851102028

PAGE
1

ADDRESS CORRESPONDENCE TO ATTENTION OF
BUYER 33 304-558-2402

RFQ COPY
 TYPE NAME/ADDRESS HERE

VENDOR

DIVISION OF HIGHWAYS
 VARIOUS LOCALES AS INDICATED
 BY ORDER

SHIP TO

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
12/07/2010				

BID OPENING DATE: 12/15/2010 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
ADDENDUM NO. 1						
THIS ADDENDUM IS ISSUED TO:						
1.) REPLACE PAGE 11 OF SPECIFICATION.						
2.) ADD ADDITIONAL SPECIFICATION PAGE. (11-A)						
3.) ADD WV PURCHASING DIVISION CONTRACT FOR WINTER GRADE PATCHING MATERIAL EXCERPT TO SPECIFICATIONS.						
4.) TO EXTEND BID OPENING DATE						
FROM: 12/08/2010 1:30PM						
TO: 12/15/2010 1:30PM						
***** END ADDENDUM NO. 1 *****						
0001	1	EA		550-32		
LABOR AND MATERIALS FOR RAISED PAVEMENT MARKERS						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE	TELEPHONE	DATE
TITLE	FEIN	ADDRESS CHANGES TO BE NOTED ABOVE

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

GENERAL TERMS & CONDITIONS
REQUEST FOR QUOTATION (RFQ) AND REQUEST FOR PROPOSAL (RFP)

1. Awards will be made in the best interest of the State of West Virginia.
2. The State may accept or reject in part, or in whole, any bid.
3. Prior to any award, the apparent successful vendor must be properly registered with the Purchasing Division and have paid the required \$125 fee.
4. All services performed or goods delivered under State Purchase Order/Contracts are to be continued for the term of the Purchase Order/Contracts, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise available for these services or goods this Purchase Order/Contract becomes void and of no effect after June 30.
5. Payment may only be made after the delivery and acceptance of goods or services.
6. Interest may be paid for late payment in accordance with the *West Virginia Code*.
7. Vendor preference will be granted upon written request in accordance with the *West Virginia Code*.
8. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.
9. The Director of Purchasing may cancel any Purchase Order/Contract upon 30 days written notice to the seller.
10. The laws of the State of West Virginia and the *Legislative Rules* of the Purchasing Division shall govern the purchasing process.
11. Any reference to automatic renewal is hereby deleted. The Contract may be renewed only upon mutual written agreement of the parties.
12. **BANKRUPTCY:** In the event the vendor/contractor files for bankruptcy protection, the State may deem this contract null and void, and terminate such contract without further order.
13. **HIPAA BUSINESS ASSOCIATE ADDENDUM:** The West Virginia State Government HIPAA Business Associate Addendum (BAA), approved by the Attorney General, is available online at www.state.wv.us/admin/purchase/vrc/hipaa.htm and is hereby made part of the agreement. Provided that the Agency meets the definition of a Cover Entity (45 CFR §160.103) and will be disclosing Protected Health Information (45 CFR §160.103) to the vendor.
14. **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. Vendor further agrees to comply with the Confidentiality Policies and Information Security Accountability Requirements, set forth in <http://www.state.wv.us/admin/purchase/privacy/noticeConfidentiality.pdf>.
15. **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, and the West Virginia Insurance Commission. 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.
16. **ANTITRUST:** In submitting a bid to any agency for the State of West Virginia, the bidder offers and agrees that if the bid is accepted the bidder will convey, sell, assign or transfer to the State of West Virginia all rights, title and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the State of West Virginia for price fixing and/or unreasonable restraints of trade relating to the particular commodities or services purchased or acquired by the State of West Virginia. Such assignment shall be made and become effective at the time the purchasing agency tenders the initial payment to the bidder.

I certify that this bid is made without prior understanding, agreement, or connection with any corporation, firm, limited liability company, partnership, or person or entity submitting a bid for the same material, supplies, equipment or services and is in all respects fair and without collusion or Fraud. I further certify that I am authorized to sign the certification on behalf of the bidder or this bid.

INSTRUCTIONS TO BIDDERS

1. Use the quotation forms provided by the Purchasing Division. Complete all sections of the quotation form.
2. Items offered must be in compliance with the specifications. Any deviation from the specifications must be clearly indicated by the bidder. Alternates offered by the bidder as **EQUAL** to the specifications must be clearly defined. A bidder offering an alternate should attach complete specifications and literature to the bid. The Purchasing Division may waive minor deviations to specifications.
3. Unit prices shall prevail in case of discrepancy. All quotations are considered F.O.B. destination unless alternate shipping terms are clearly identified in the quotation.
4. All quotations must be delivered by the bidder to the office listed below prior to the date and time of the bid opening. Failure of the bidder to deliver the quotations on time will result in bid disqualifications: Department of Administration, Purchasing Division, 2019 Washington Street East, P.O. Box 50130, Charleston, WV 25305-0130
5. Communication during the solicitation, bid, evaluation or award periods, except through the Purchasing Division, is strictly prohibited (W.Va. C.S.R. §148-1-6.6).

to be placed against is sound. The Contractor shall then remove any additional foreign, loose, and/or extraneous material in the slot cuts including dirt, cinders, salt, asphalt material, grime, oil, or grease. Remnants of the original epoxy adhesive shall be substantially removed. The Vendor shall perform all of the above work in a manner that minimizes further damage to the road surface.

The material utilized for patching shall be a "Winter Grade Bituminous Patching Mix". An excerpt from the WV Purchasing Division Contract for Winter Grade patching materials is attached to this Contract for reference. Please note the following:

- The material utilized for this Contract shall be a "Modified Winter Grade Bituminous Patching Mix", per the above referenced excerpt. The Aggregate Type used, per the table on page 3 of the excerpt, shall be a Blend of #8 with a minimum of 50% #9.
- Where this excerpt references "Contractor", substitute "patching material supplier".
- Where this excerpt references test reports or other information to be presented or supplied to the WVDOH by the liquid asphalt supplier and/or the patching material supplier, this information shall be supplied to the WVDOH by the Vendor.
- Where this excerpt references the storage of materials on the Division's lot, the Vendor's lot, or the Contractor's lot, note that no materials shall be stockpiled on the WVDOH's property. All stockpiling, testing, and/or visual evaluations shall be at the Vendor's or patching material supplier's facilities. Visual evaluations may be performed at the stockpiling facility or the initial material transported to the job site may be visually inspected to fulfill this requirement.
- Applicable testing, reports, and evaluations referenced in the excerpt may be waived provided the Vendor utilizes material that has previously been accepted by the WVDOH to be supplied directly to the WVDOH in conjunction with a Purchasing Division material supply Contract, and that also meets the specific requirements described herein.

All routes used to transport the patching material used for this work shall have acceptable load limits on both roads and bridges.

The Vendor shall patch all slot cuts, as directed by the project inspector. Dampness of the surface to be patched is permissible; however, no moisture film shall be present on the surface of the area to be patched during the patching operations. Immediately prior to placement of the patching material, each slot cut shall be blown out with oil / moisture free compressed air, and the surface to be patched shall be heated with a torch to the point at which the binder in the existing surface begins to bubble or turn into a liquid form. If, in the inspector's opinion, there is excessive moisture between the existing base and wearing course layers, the Vendor shall coat the surface adjoining these two layers with a tack coat material recommended by, and applied as recommended by, the

patching material supplier in order to seal off the moisture as much as possible. The Vendor shall apply moderate heat, per the inspector's direction, to the patching material as it is placed into the slot cuts to improve workability and to insure a good seal and bond. Patched areas shall be thoroughly compacted with an asphalt roller equal to at least 3-tons. The Vendor shall patch each slot cut such that there is a nominal, acceptable amount of material above the level of the surrounding existing pavement surface in order to allow for further compaction by roadway traffic. The Vendor shall apply a light coating of sand to each completed patch sufficient to remove any remaining tackiness on the patch surface.

All waste materials, as applicable, shall be disposed of properly. All metal casting material removed by the Vendor shall become the property of the Vendor, and shall be removed from the DOH right of way by the Vendor.

This work shall not include markers installed in Exit ramp gore areas or along multi-lane exit or entrance ramps.

**WV Purchasing Division Contract for Winter Grade Patching
Materials Excerpt**

DESCRIPTION

The patching material shall be composed of a suitable aggregate plant mixed with a liquid asphalt material and chemical additives. The asphalt material with additives shall be capable of coating the aggregate without stripping. The material shall maintain adhesive qualities for all moisture conditions in the patched areas, except those having standing water.

WV Purchasing Division Contract for Winter Grade Patching Materials Excerpt (Continued)

MATERIALS

AGGREGATE

The coarse aggregate shall be a clean material consisting of crushed stone, crushed gravel or slag, meeting the requirements of the Division of Highways' Standard Specifications subsections 703.1, 703.2 and 703.3 respectively. Fine aggregate shall meet the requirements of the Division of Highways' Standard Specifications subsection 702.3. The gradation of the final mixture shall be the same as the Vendor's currently approved plant mix formula for Type 1 Hot-Mix Asphalt Wearing Course when Standard Winter Grade Bituminous Patching Mix is being produced.

When Modified Winter Grade Bituminous Patching Mix is being produced, the aggregate gradation shall be as recommended by the supplier of the liquid asphalt with additives. Allowable standard aggregate sizes shall be #89, #9, or a blend composed of #8 with a minimum of 50% #9.

The gradation shall be determined in accordance with AASHTO T-27 and T-11.

The aggregate fraction of the final mixture shall meet the crushed particle requirements of Subsection 703.2.2 of the Division of Highways' Standard Specifications. Questionable aggregates shall be tested as per MP 703.00.21, except the No. 8 sieve will be used.

ASPHALT MATERIAL

1. Standard Winter Grade Bituminous Patching Mix

The asphalt material shall conform to the requirement of the West Virginia Division of Highways' Standard Specifications, Subsection 705.1. Tests conducted by the supplier shall be presented to the respective Division of Highways District Materials Engineers/Supervisors for review prior to production of Standard Winter Grade Bituminous Patching Mix. This liquid asphalt shall also contain a minimum of 2.5% chemical anti-stripping additive.

Or,

2. Modified Winter Grade Bituminous Patching Mix

The asphalt material shall be liquid asphalt with a chemical anti-stripping additives conforming to the requirements of AASHTO M82 or as modified to meet the requirements of the asphalt supplier. The asphalt shall contain a minimum of 2.5% chemical anti-stripping additive.

Results from the following test methods and any additional tests conducted by the supplier shall be presented to the respective Division of Highways District Materials Engineer/Supervisor for review prior to production of Modified Winter Grade Bituminous Patching Mix.

Modified Asphalt Test

- (1) Flash Point °C (°F)-AASHTO T79
- (2) Kinematic Viscosity in cSt at 60°C (140°F)
Requirement – 350 to 500 cSt-AASHTO T201

**WV Purchasing Division Contract for Winter Grade Patching
Materials Excerpt (Continued)**

- (3) Water (%) - Requirement - 0.2% maximum - AASHTO T55
- (4) Distillate Test - AASHTO T78

% To 225°C (437°F)
 % To 260°C (500°F)
 % To 315°C (600°F)
 Residue (%) at 360°C (680°F)

Residue Tests

- (5) Ductility at 25°C (77°F) - AASHTO T51
- (6) Solubility Test - AASHTO T44

COMPOSITION OF MIXTURE

The aggregates and asphalt material shall be combined in such proportions that the composition by weight of the finished mix shall meet the requirements of the plant mix formula.

The aggregate fraction of the mixture shall be evaluated in accordance with AASHTO T-27 and T-11, and shall meet the requirements of the plant mix formula range. Any material failing to meet specification requirements on any sieve shall not be approved.

The asphalt fraction of the Standard Winter Grade Bituminous Patching Mix shall be a minimum of 5.0% when low-absorptive aggregates (<1.5%) are used and a minimum of 5.5% when high-absorptive aggregates (>1.5%) are used.

For Modified Winter Grade Bituminous Patching Mix the minimum amount of asphalt shall be as indicated in the table below. The amount of asphalt for all Winter Grade Bituminous Patching Mixtures shall be sufficient to thoroughly coat the aggregate particles and provide enough adhesion to hold the compacted particles together under traffic conditions when properly placed and to assure that the aggregate particles remain sufficiently coated after stockpiling.

Minimum Asphalt Content for Modified Patching Mix		
Aggregate Type	#89 or Blend of #8 with minimum of 50% #9	#9
% Asphalt ^{Note-1}	5.5%	6.0%

Note-1: Add a minimum additional 0.5% asphalt to the above values for mixtures containing high-absorptive aggregates (>1.5%)

WV Purchasing Division Contract for Winter Grade Patching Materials Excerpt (Continued)

PLANT MIX FORMULA

The plant mix formula for Modified Winter Grade Bituminous Patching Mix shall be in accordance with the recommendations of the supplier of the liquid asphalt with additives. The plant mix formula composition report, which shall include the percentage of chemical anti-stripping additive, shall be forwarded to the District Materials Supervisor/Engineer before the mix is produced.

A plant mix formula for Standard Winter Grade Bituminous Patching Mix shall be developed in accordance with MP 401.02.22, and as modified by the Marshall Test Procedure described in AASHTO T-245 for cutback asphalts. Initial submission of the proposed plant mix formula for Standard Winter Grade Bituminous Patching Mix will not be considered unless accompanied by sufficient test data developed by supplier to indicate that the formula being proposed can be met. As a minimum, this test data shall include: three separate gradations of samples taken from the hot bin, or separate gradations from cold bins or storage facility, the percentage of each material to be used and the calculated combined gradation. The test data submitted shall have been developed from material that is to be used in the proposed mix. Additional data which shall be submitted includes that described in MP 401.02.22. This data will not be required to meet the limits given in the design property tables. The air void content for Standard Winter Grade Bituminous Patching Material shall be 4-7 percent.

The proposed plant mix formula for Standard Winter Grade Bituminous Patching Mix shall be documented on Department Form T400 and together with plant calibration test data set forth above shall be forwarded to the District Materials Engineer/Supervisor. The percentage of chemical anti-stripping additive shall be included in the documentation. The T400 shall then be transmitted to the Materials Control and Testing Division for final review and revision.

CHANGES IN PLANT MIX FORMULA

Should the contractor at any time propose to change the source of aggregate in the mix, the definite asphalt content or change the source of the bituminous material, the provisions of the Division of Highways' Standard Specifications subsection 401.4.2 shall apply.

QUALITY CONTROL TESTING

Quality control is the responsibility of the contractor. Quality control testing shall include daily asphalt content and gradation analysis of the design aggregate structure during production. Since the aggregate and asphalt material are required to be measured separately and accurately to the proportions of the plant mix formula, the asphalt content may be determined by calculating the percentage by total weight of mix. However, all standard methods of determining the asphalt content of the mixture that are allowed for hot-mix asphalt under Section 401 of the Division of Highways' Standard Specifications are acceptable. The ignition oven test method (AASHTO T308) would require an asphalt content correction factor, however, due to the low flash point of most asphalts used in Winter Grade Bituminous Patching Mix, this test method is not recommended. If the AASHTO T164 solvent extraction test method is used, a non-chlorinated solvent may be substituted for the standard specified solvent, and the test method may be modified as per the recommendations of the solvent supplier.

WV Purchasing Division Contract for Winter Grade Patching Materials Excerpt (Continued)

In addition, for each day of production, the completed mix shall be tested for aggregate coating as follows. Obtain a 100 – 150 gram sample and allow it to cure to normal laboratory temperature. Place the sample in a glass jar of sufficient size that the loose sample will protrude to a level of no more than half of its capacity. Cover the sample with water to approximately three-quarters of the capacity of the jar. Place a tight fitting cover on the jar and allow it to stand for a period of 20 to 24 hours at normal laboratory temperature. The sample jar shall then be vigorously agitated for a period of 30 seconds. Pour the water from the jar, remove the sample, and spread it on a flat light-colored surface (nonstick laboratory paper is recommended). Allow the sample to air dry and visually examine it for stripping of the asphalt film from the aggregate. Estimate the amount of coated aggregate. Any thin brownish, translucent areas are to be considered fully coated with an asphalt film. Document the results of this test. The mixture shall be considered acceptable if at least 95% of the aggregate is coated. Insufficient coating may require reworking of the mixture and/or an additional amount of anti-stripping additive.

ACCEPTANCE OF THE MIXTURE

Acceptance of Winter Grade Bituminous Patching Mix shall be the responsibility of the Division. This shall be accomplished by monitoring the contractor's quality control testing and reviewing all test data relevant to the mixture.

In addition, if the completed mixture shows signs of stripping, the Division shall choose to either monitor the contractor's quality control aggregate coating test or conduct their own test and visually estimate the amount of coated particles. Document the results of this test. Although this is a visual estimation, the contractor should be immediately notified if the Division's test results are below 95%. A low coating percentage should be an indicator for the Division to closely monitor the mixture after stockpiling. All Division testing of Winter Grade Bituminous Patching Mix shall be performed by the District Materials Section.

After the mixture is stockpiled on the Division's lot, it shall be visually evaluated for any appearance of excessive non-fully coated aggregate particles. If considered necessary, the Division shall evaluate the mixture in accordance with ASTM D2489 (based on two-sample average) to determine if at least 97% of the coarse aggregate particles are fully coated. This evaluation shall take place within the first week after stockpiling. If the mixture is less than 97% coated, the contractor will be required to provide new material or remove the existing stockpile material from the Division's lot, rework it to an acceptable condition with additional asphalt and/or chemical anti-stripping additive as needed, and return it to the Division's lot.

PREPARATION OF MIXTURE

The aggregate shall be heated to insure that it is surface dry at the time of mixing, however, the aggregate shall not be heated in excess of 180°F.

WV Purchasing Division Contract for Winter Grade Patching

Materials Excerpt (Continued)

The asphaltic binder shall not be heated to a temperature greater than 165°F. Care shall be taken to prevent local overheating. The aggregate and asphalt material shall be measured separately and accurately to the proportions in which they are to be mixed. After the aggregate and binder have been combined, they shall be thoroughly mixed until the particles of aggregate are coated. At no time shall the finished mixture be at a temperature greater than 175°F.

Temperatures for Modified Winter Grade Bituminous Patching Mix may vary as per asphalt supplier's recommendations.

WORKABILITY

The mixture shall be stockpiled on the vendor's site for 14 days or until the internal mix temperature is within 10°F of ambient temperature without stripping and when taken from a stockpile, shall be capable of being shoveled, raked, spread and compacted.

At the end of the stockpiling period on the contractor's yard, the mixture shall be tested in accordance with ASTM D2489 (based on two-sample average). The total amount of non-fully coated particles shall not exceed 3%. The contractor shall provide these test results to the Division on a standard worksheet provided by the District Materials Section.

If the material fails to conform to the requirements of the specifications the contractor may rework the existing material or provide new material.

STORAGE

The mix shall be maintained on the contractor's property in stockpiles not exceeding a height of four (4) feet until the internal mix temperature is within 10° of the ambient temperature. In addition, the top of all stockpiles shall be leveled to eliminate any peaked areas.

All Winter Grade Bituminous Patching Mix shall contain sufficient asphalt that is capable of coating the aggregate without stripping. After stockpiling on the Division's lot, the mixture shall have a maximum of 5% non-fully coated particles after the first week and up to 90 days from delivery when evaluated in accordance with ASTM D2489 (based on two-sample average). This coating determination may be based on the Division's visual inspection if coating is not a problem, or based on Division testing when the amount of non-fully coated particles appears questionable. If stripping occurs the contractor will be required to provide new material or remove the existing stockpile material from the Division's lot, rework it to an acceptable condition with additional asphalt and/or chemical anti-stripping additive as needed, and return it to the Division's lot.