

## STATEMENT of WORK

### DELIVER and PAVER-PLACE AGGREGATE LAUREL RUN ROAD FOREST DISTRICT 19 MONROE COUNTY

#### I. SCOPE OF WORK:

The Commonwealth of Pennsylvania, Department of Conservation and Natural Resources (DCNR), Delaware Forest District, requires services to deliver, paver-place, and compact approximately 2,535 tons of Driving Surface Aggregate (DSA) to Laurel Run Road.

Questions regarding the technical aspects of this bid should be directed to Timothy Balch, reachable at 570-895-4004 or tbalch@pa.gov (Forest District Contact). Questions regarding the bidding or contractual aspects of this bid should be directed to Carol Durham, reachable at 717-783-3309 or cdurham@pa.gov (Procurement Contact).

#### II. BID REQUIREMENTS:

**The following are requirements of this bid solicitation. Failure to comply with any of these requirements could result in a non-responsive determination and subsequent disqualification for the Contractor.**

- A. **DCNR Bureau of Forestry DSA Certification Form:** A properly executed and signed DCNR Bureau of Forestry DSA Certification form must be included with the Contractor's solicitation response. This form must list the quarry source and certifies that the aggregate shipped to this specific job site will meet DCNR Specifications and Requirements as outlined on the form and within this Statement of Work.

The required amounts and allowed ranges, determined by weight, for various sized particles are:

Passive Sieve	Low Percentage	High Percentage
1 ½ inch	100%	--
¾ inch	65%	95%
#4	30%	65%
#16	15%	30%
#200	10%	15%

- a) The fines passing the #200 sieve must be rock material. No clay or silt soil may be added. Limestone material passing the #200 sieve may be used to make up a deficit in the distribution of sandstone aggregate rock, and vice versa. All added material passing the #200 sieve must be derived from rock material that conforms to program specifications. Lime kiln dust and cement kiln dust may be added to DSA to account for up to 50% of the fines passing the #200 sieve. The amount of particles passing the #200 sieve shall be determined using the washing procedures specified in PTM No. 100.
- B. **Reciprocal Limitations Act Form:** The Contractor must include with their solicitation response a properly executed Reciprocal Limitations Act form that lists the state of manufacture for any supplies procured with their bid response.
- C. **Schedule of Work:** Within two (2) weeks of receipt of a formal written request from the Forest District Contact, the lowest responsive and responsible Contractor must submit a fully executed and signed Schedule of Work to the

Procurement Contact listed in Section I: Scope of Work. It is estimated that this document will be requested in late winter or early spring of 2020.

The Schedule of Work must include:

1. The quarry name and contact information (name, address, phone number, and email address if applicable);
2. In instances where the creation of the entire project-specific pile of DSA material is prohibitive, the Contractor must include a proposed schedule for the creation of the DSA material;
3. The name and contact information of any intended subcontractors (name, address, phone number, and email address);
4. The proposed schedule for the delivery and application of the DSA Material.

Please note that the Contractor shall not subcontract with any person or entity to perform all or any part of the work to be performed under this Contract without the prior written consent of the Forest District Contact, which consent may be withheld at the sole and absolute discretion of the Forest District Contact.

### **III. CONTRACT TASKS:**

The following tasks shall be completed in performance of the contract:

#### **A. Creation of DSA**

1. Should quarry conditions or the quarry supplier change, the Contractor must submit an updated DCNR Bureau of Forestry DSA Certification form. No DSA should be created until a form is submitted *and* approved by the Forest District Contact listed in Section I: Scope of Work.
2. Contractor is required to create a project-specific pile of compliant DSA, equal to the total requested tonnage, available for testing a minimum of 45 days prior to the Contract End Date as stated in Section IX: Contract Term.
  - a) If the Contractor is unable to create the pile of compliant DSA equal to the total requested tonnage, the Contractor must include a revised schedule for creating the DSA in the Schedule of Work.
3. Should the Contractor require additional DSA material after the testing and approval of the initial product, the DCNR reserves the right to request that the newly-created DSA material is tested *prior to delivery* to prove compliance with the material requirements listed in this Statement of Work.
4. Should the contractor hold several concurrent DSA jobs with the Commonwealth, the DSA for each project must be kept whole and separate from other projects as well as other commodity and non-commodity products at the quarry.
5. Approved DSA material may only be utilized on the designated project. Substituting DSA from other projects is strictly forbidden.
6. The Forest District Contact and/or their designated representative(s) shall perform quality assurance and quality control visits to the quarry and DSA load site at any time over the duration of this contract. Visits may be to inspect and test the DSA for this specific project; observe quarry operations; or for any other reasons deemed pertinent as determined by the DCNR.

The Contractor must provide transportation and/or escort the DCNR representative(s) to the DSA load site over the duration of the project.

#### **B. DSA Material Requirements**

1. All material must be certified to not degrade the environment nor create health hazards.
2. Aggregate must originate from a Pennsylvania Department of Transportation (PennDOT)-qualified quarry source. Quarry source must be approved for the production of C2A, as listed in PennDOT Bulletin 14.
3. Wearing course material must be structurally durable so that weathering and traffic loads do not result in the creation of dust, sediment, or pollution.
4. All driving surface aggregate is to be derived from natural stone formations.
  - a) Stone is defined as rock that has been crushed; rock is defined as consolidated mineral matter.
  - b) For use in this program, both are restricted to that which has been mined or quarried from existing geologic bedrock formations.
5. All components of the aggregate mix are to be derived by crushing parent rock material.
6. LA Abrasion Less than 40% passing. Los Angeles Abrasion test, AASHTO T-96 (ASTM C 131) shall be used to determine this property.
7. The Plasticity Index (PI) of the DSA shall be a maximum of 6. The laboratory test required for these results is the ASTM D4318 – Standard Test Method for Liquid Limit, Plastic Limit, and Plasticity Index of Soils.
8. Aggregate must be within the range of pH 6 - pH 12.45 as measured by EPA 9045C.
9. Material is to be delivered and placed at optimum moisture content, or up to 2% below that value, as determined for that particular source. The optimum percentage moisture is to be determined using Proctor Test ASTM D698, procedure C, Standard.
10. DSA shall be properly mixed and at the proper moisture content before it is loaded onto the transport vehicles.
11. Tarps are to be used to cover 100% of the load's exposed surface from the time of loading until immediately before dumping, including standing time waiting to dump.

#### **C. Rejection of DSA Material**

1. If the created DSA material fails up to two separate compliance tests, as outlined in Section III, Subsections A & B, of this Statement of Work, the DCNR reserves the right to disqualify the Contractor as non-responsible. The Contractor may not receive payment for failed DSA material.
2. If material is delivered to the project site that the DCNR suspects will not meet the required specifications as defined in Section III, Subsections A & B, of this Statement of Work, the delivery may be rejected. The DCNR may request to visit the quarry to observe the quarry conditions and project-specific DSA pile.

If necessary, additional testing may be requested if the DCNR has concerns that the DSA material has been compromised. The Contractor may not receive payment for rejected DSA material or the delivery of the rejected DSA material. In the instance of additional testing, no work can be completed until the test results are received.

#### D. Delivery of DSA

1. A fully executed, signed DCNR Bureau of Forestry DSA Certification Form must be provided to the on-site DCNR representative at the time of initial delivery. This form must apply to the specific stockpile of DSA material from the Contractor's source. The form certifies that the DSA material meets all specifications and requirements referenced in this Statement of Work.
  - a) Should quarry conditions change, it is the Contractor's responsibility to provide an updated, executed certification form; the form must be provided to the Forest District Contact *prior to the delivery* of the DSA material.
2. The Contractor cannot begin delivery of the DSA to the job site until the following three conditions are met:
  - a) A fully executed Purchase Order is received by the Contractor, **and**
  - b) The DSA Material for the project has been created, tested, and approved by the DCNR, **and**
  - c) The Forest District Contact for the DCNR has given the Notice to Proceed with delivery to the Contractor.
3. Should environmental conditions preclude the start of delivery of DSA material, the DCNR may delay delivery until conditions are satisfactory for paver-placement and compaction. Any such delay is at the discretion of the DCNR and will be relayed to the Contractor in writing.
4. Delivery must be at a rate of 200 tons per 7-hour day.
5. No material can be delivered before 7:30 a.m. or after 2:30 p.m.
6. Delivery must continue on an uninterrupted basis. Any delays in delivery must be immediately relayed to the Forest District Contact.
7. All trucks must be driven by individuals capable of placing material in a paver.

#### E. Placement and Rolling of DSA Material

1. DSA material is to be placed using a fully functioning, **track mounted motor paver** capable of spreading stone to a width of 12 to 18 feet in a single pass and creating a ½ inch per foot (4%) crown in the surface. Material must be placed in a single, 6-inch loose lift.
2. The surface of the road is to average 16 feet in width and to be crowned to DCNR's specifications.
3. The Contractor must provide, at the beginning and ending of DSA placements, a paving notch across the width of the subgrade. The paving notch must have a minimum depth equal to the compacted DSA placement and a sufficient length to facilitate transition into the existing road surface. The paving notch must be created by a milling machine or portable milling attachment.

4. The Contractor must have a minimum of four employees present during placement. Three of these four employees on site must operate the paver at all times during placement activities.
5. After placement, the **material is to be compacted by the Contractor** to an average finished depth of 4 inches.
  - a) Compaction must be completed with a minimum 10-ton static, 20-ton vibratory, double-steel drum roller. The roller must be equipped with a fully operational water tank and spray nozzles, as well as properly adjusted drum scraper bars.
  - b) Use of alternate compaction equipment will be approved only at the discretion of the DCNR.
  - c) DSA material shall be compacted to a minimum of 95% of the dry-mass (dry-weight) density, determined according to ASTM D698, procedure C, Standard. The DCNR, through its designated representative(s), will determine the in-place density according to AASHTO T310.
6. The Contractor is responsible for repairs to any damage to the general job site, including but not limited to drainage structures and the existing road surface, caused by the Contractor during the delivery and placement of the DSA. The Contractor must provide the equipment necessary to remediate said damage.
7. If freezing temperatures or precipitation are forecast that may cause the material to freeze or prevent the material from drying, paver placement and compaction may be postponed at the discretion of the DCNR.

#### **F. Use of Roads**

1. The DCNR does not guarantee the successful Contractor the use of roads maintained by the PennDOT, townships, or other agencies or owners.
2. The Contractor must contact the PennDOT-posted highway coordinator and/or officials of other roads needed for this project to inquire about possible restrictions, including weight limits, that would prevent or limit use.
3. The Contractor is responsible for obtaining all necessary Road Use Permits and/or any associated bonds from the PennDOT, townships, or other agencies or owners.

#### **IV. CONTRACTOR REFERENCES:**

After the bid opening and prior to awarding of the contract, the DCNR has the right to request three (3) references (name, addresses, and telephone numbers) for whom similar work has been performed by the Contractor as proof of qualifications to perform the work involved in this contract. Similar work is defined as the paver placement and, when applicable, the rolling of at least 2,540 tons of DSA or Trail Surface Aggregate (TSA).

References are an optional tool available to the DCNR to help determine bidder capabilities. If any of these references are requested and the bidder cannot supply the necessary documentation and proof of compliance, the DCNR reserves the right to reject the bidder. The decision to both request references or reject bidders based on inadequate reference will be made solely at the discretion of the DCNR.

**V. LIQUIDATED DAMAGES:**

If any item is not delivered or performed within the contract specified time limits, the delay will interfere with the proper implementation of the Commonwealth’s programs and utilizing the item, to the loss and damage of the Commonwealth. From the nature of the case it would be impractical and extremely difficult to fix the actual damage sustained in the event of any such action.

The Commonwealth and the Contractor, therefore, presume that in the event of any such delay the amount of damage which will be sustained from a delay will be \$250.00 per day per item, and they agree that in the event of any such delay, the Contractor shall pay such amount as liquidated damages and not as a penalty.

The Commonwealth, at its option, for amounts due the Commonwealth as liquidated damages, may deduct such from any money payable to the Contractor or may bill the Contractor as a separate item. The Commonwealth shall notify the Contractor in writing of any claims for liquidated damages pursuant to this paragraph before the date the Commonwealth deducts such sums from money payable to Contractor. Delivery of an item, which is rejected by the Commonwealth, shall not toll the running of the days for purposes of determining the amount of liquidated damages.

**VI. PERFORMANCE BOND**

The Contractor is required to submit performance security in the amount of 10% of the total price of the contract. Performance security must be in the form of a specific performance bond, an irrevocable letter of credit or a certificate of deposit, all in a form acceptable to the Commonwealth, or a certified check or a bank cashier’s check drawn to the order of the “Commonwealth of Pennsylvania”. All performance security shall be conditioned for faithful performance of the purchase order.

Where the Contractor does not comply with the Contract or a purchase order, the amount of the Commonwealth’s damages shall be liquidated to the amount of the proceeds of the check, performance bond, letter of credit, certificate of deposit, or escrow account or the Commonwealth may, at its option, bring legal action against the Contractor or its surety for the damages it has suffered for any default, in which case security held by the Commonwealth shall be applied as a credit in such suit for damages.

Original performance security should be mailed to the Procurement Contact located at:

<p><b>FedEX, UPS, DHL, or other carriers:</b></p> <p>DCNR  Bureau of Administrative Services  Attn: Carol Durham  400 Market Street, 7<sup>th</sup> Floor  Harrisburg, PA 17101</p>	<p><b>United States Postal Service (USPS):</b></p> <p>DCNR  Bureau of Administrative Services  Attn: Carol Durham  PO Box 8769  Harrisburg, PA 17105-8769</p>
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The purchase order will not be issued until the performance security is furnished.

**VII. INSURANCE:**

The contractor shall purchase and maintain, at its expense, the following types of insurance, issued by companies acceptable to the Commonwealth.

- A. Workmen’s Compensation Insurance for all of the Contractor’s employees and those of any subcontractor, engaged in work at the site of the project as required by law.
- B. Public Liability and Property Damage Insurance to protect the Commonwealth, the Contractor, and any and all subcontractors from claims for damages for

personal injury (including bodily injury), sickness or disease, accidental death and damage to property including the loss of use resulting from any property damage, which may arise from the activities performed under the Contract, or the failure to perform under the Contract, whether such performance or non-performance be by the Contractor, by any subcontractor, or by anyone directly or indirectly employed by either. The minimum amounts of coverage shall be \$250,000 per person and \$1,000,000 per occurrence for bodily injury, including death, and \$250,000 per person and \$1,000,000 per occurrence for property damage. Such policies shall be occurrence rather than claims-made policies and shall not contain any endorsements or any other form designated to limit and restrict any action by the Commonwealth, as an additional insured, against the insurance coverage in regard to work performed for the Commonwealth.

Prior to commencement of the work under the Contract and at each insurance renewal date during the term of the Contract, the Contractor shall provide the Commonwealth with current certificates of insurance. These certificates or policies shall name "The Commonwealth of PA-DCNR" as an additional insured and shall contain a provision that the coverage's afforded under the policies will not be cancelled or changed until at least thirty (30) days written notice has been given to the Commonwealth. These certificates shall include the location and a brief description of the work to be performed under the contract.

The Commonwealth shall be under no obligation to obtain such certificates from the Contractor(s). Failure by the Commonwealth to obtain the certificates shall not be deemed a waiver of the Contractor's obligation to obtain and furnish certificates. The Commonwealth shall have the right to inspect the original insurance policies.

A copy of the insurance certificates can be mailed to the Procurement Contact as directed in Section VI: Performance Bond or they can be emailed to the Procurement Contact at: [cdurham@pa.gov](mailto:cdurham@pa.gov).

**VIII. CONTRACT TERM:**

The contract shall commence upon receipt of Purchase Order and terminate June 30, 2020.

**IX. BID AWARD:**

Bidder must complete and include the following with the bid response:

- A. The electronic Invitation for Bid to be found at [www.pasupplierportal.state.pa.us](http://www.pasupplierportal.state.pa.us),
- B. A properly executed and signed DCNR Bureau of Forestry DSA Certification Form stating the surface material DSA meets the required criteria,
- C. A properly executed Reciprocal Limitations Act form that lists the state of manufacture for any supplies procured.

Bids will be awarded based on lowest total sum.

The contract quantities herein are estimated only and may increase or decrease depending on the needs of the DCNR.

**X. PAYMENT TERMS:**

Payment shall be made upon satisfactory completion of project for actual services performed, which includes meeting the DSA aggregate specification.

**XI. RECEIPT AND OPENING OF BIDS:**

Bids must be submitted via the PA Supplier Portal, to be found at [www.pasupplierportal.state.pa.us](http://www.pasupplierportal.state.pa.us). Faxed bids and mailed bids **will not** be accepted.

No responsibility will be attached to any employee of the DCNR for the premature opening of, or the failure to open, a bid not properly addressed and identified, or for any reason whatsoever.

**XII. SERVICE SLIPS:**

To insure prompt payment, the Contractor must provide a service slip(s) to the District Office after the completion of the project.

**XIII. INVOICES:**

Invoice format shall be in accordance with the IFB – Invitation for Bid.

All invoices for this contract MUST either be:

- A. Emailed to the following for a Paperless Email Invoice Option:

Email a copy of the correctly executed invoice to: 69180@pa.gov.

For information on the Commonwealth's E-Invoicing Program, visit:

<http://www.budget.pa.gov/Programs/Pages/E-Invoicing.aspx>.

- B. Or mailed to the following address:

Commonwealth of PA – PO Invoice

PO Box 69180

Harrisburg PA 17106

All invoices must include the purchase order number. The company name and address listed on the purchase order also must be listed on each invoice. Failure to provide this information may result in a delay of payment.

**Please Note:** Vendors are reminded to **NOT** include employer identification numbers, Social Security Numbers, bank account information, or other personally identifiable information on their invoices. That information is uniquely tied to your SAP Vendor Number and, for security purposes, should not be explicitly stated on an invoice.

**XIV. BID RESULTS:**

Bidder can obtain bid results by accessing [www.emarketplace.state.pa.us/](http://www.emarketplace.state.pa.us/). The bids will be posted within three (3) business days following the bid opening. The results are the apparent bidders, and all bids are under review until final award of the purchase order.

Attachments