

STATEMENT of WORK

DELIVER and PAVER-PLACE AGGREGATE STILLHOUSE HOLLOW ROAD MICHAUX STATE FOREST FOREST DISTRICT 1 FRANKLIN COUNTY

I. SCOPE OF WORK:

The Commonwealth of Pennsylvania, Department of Conservation and Natural Resources, Michaux State Forest, requires services to deliver, paver-place and roll approximately 5,700 tons of DSA (driving surface aggregate), to Stillhouse Hollow Road, Michaux State Forest, Franklin County.

Questions regarding the technical aspects of this bid should be directed to Michelle Blevins at (717) 352-2211 or mblevins@pa.gov or Jason Hall at (717) 787-3706 or jahall@pa.gov. Questions regarding the bidding or contractual aspects of this bid should be directed to Sherri Dornes at 717-783-4884 or sdornes@pa.gov.

II. CONTRACT TASKS:

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

Delivery

- ❑ A properly executed DCNR-Bureau of Forestry DSA Certification Form **(attached)** is to be provided at the time of initial delivery and subsequent certification forms should quarry conditions change. This Certification Form is to apply to the specific stockpile of DSA material being delivered from the Vendor's source. The form certifies that the DSA material meets all of the specifications and requirements referenced below.
- ❑ Upon receipt of a Purchase Order, vendor shall begin delivery upon five days advance verbal notification.
- ❑ Forest district staff, and/or their designated representatives, shall perform quality assurance / quality control visits to the quarry to inspect the DSA for the project. This may include the testing of the DSA by DCNR, and/or their designated representatives. The Vendor shall provide transportation or escort the staff to the DSA load site over the duration of the project.
- ❑ Delivery shall be at a rate of 600 tons per 8-hour day.
- ❑ No material is to be delivered before 7 a.m. or after 4 p.m.
- ❑ All trucks must be driven by individuals capable of placing material in a paver.
- ❑ Delivery shall continue on an uninterrupted basis.

Material

- ❑ All material must be certified to not degrade the environment nor create health hazards.
- ❑ Aggregate must originate from a PennDOT qualified quarry source. Quarry source must be approved for the production of C2A, as listed in PennDOT Bulletin 14.
- ❑ Wearing course material must be structurally durable so that weathering and traffic loads do not result in creation of dust, sediment or pollution.
- ❑ All driving surface aggregate is to be derived from natural stone formations.
- ❑ Stone is defined as rock that has been crushed; rock is defined as consolidated mineral matter.
- ❑ For use in this program, both are restricted to that which has been mined or quarried from existed geologic bedrock formations.
- ❑ All components of the aggregate mix are to be derived by crushing parent rock material.

Vendors **must provide a properly executed DCNR-Bureau of Forestry DSA Certification Form (attached)** at the time their bid is submitted committing that they can provide DSA material that meets the following criteria.

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

<u>Passive Sieve</u>	<u>Lower %</u>	<u>High %</u>
1 ½ inch	100%	---
¾ inch	65%	95%
#4	30%	65%
#16	15%	30%
#200	10%	15%

- ❑ 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.
- ❑ LA Abrasion Less than 40% passing. Los Angeles Abrasion test, AASHTO T-96 (ASTM C 131) shall be used to determine this property.
- ❑ 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.
- ❑ Aggregate must be within the range of pH 6- pH 12.45 as measured by EPA 9045C.
- ❑ 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.

- ❑ DSA shall be properly mixed and at the proper moisture content before it is loaded onto the transport vehicles.
- ❑ 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.
- ❑ The vendor is hereby informed that any DSA material, utilized for the purpose of this contract that does not meet specifications as determined by the Department of Conservation and Natural Resources shall be rejected. Vendor will not receive payment for rejected DSA material.

Placement and Rolling

- ❑ DSA 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/foot (4%) crown in the surface. Material shall be placed in a single 8-inch loose lift.
- ❑ A minimum of 4 employees of Vendor must be present during placement. Three of these employees must be operating the paver at all times during placement activities.
- ❑ The Vendor shall provide, at the beginning and ending of DSA placements, a paving notch across the width of the subgrade. The paving notch shall have a minimum depth equal to the compacted DSA placement, and a sufficient length to facilitate transition into the existing road surface.
- ❑ The Vendor is responsible for repairs to any damage to drainage structures, the existing road surface, etc. caused by the Vendor during the delivery and placement of the DSA. The vendor shall provide, during delivery and placement, the equipment necessary to remediate said damage.
- ❑ After placement, the **material is to be compacted by the Vendor** to an average finished depth of 6 inches. Compaction shall be accomplished by use of a minimum 10 ton static, 20 ton vibratory double steel drum roller, equipped with fully operational water tank and spray nozzles, as well as properly adjusted drum scraper bars, Use of alternate compaction equipment will be approved only at the discretion of the DCNR. 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. DCNR, through its designated representative, will determine the in-place density according to AASHTO T310.
- ❑ The surface of the road is to average 15 feet in width and to be crowned to DCNR's specifications.
- ❑ If freezing temperatures or precipitation are forecast that may cause the material to freeze, or prevent the material from drying, placement shall be postponed at the discretion of the DCNR.

Use of Roads

- ❑ The Department of Conservation and Natural Resources does not guarantee the successful vendor the use of roads maintained by the Pennsylvania Department of Transportation (PennDOT), townships, or other agencies or owners. Vendor must contact the PennDOT posted highway coordinator and officials of other said roads for possible weight or other restrictions that would prevent or restrict use. Vendor will be

responsible for obtaining all necessary Road Use Permits and/or any associated Bonds from the PennDOT, townships, or other agencies or owners.

III. LIQUIDATED DAMAGES

The Department of Conservation and Natural Resources may assess “Liquidated Damages” if the contractor fails to meet the terms of the contract. Specifically, if the contractor fails to meet a “scheduled delivery”, liquidated damages may be assessed at a daily rate until the required service is performed. The assessment may be levied according to the following formula:

$$\text{\$900/day} \times \text{day(s)} = \text{\$Total in Liquidated Damages}$$

IV. CONTRACT TERM:

Contract shall commence upon receipt of Purchase Order and terminate June 30, 2018.

V. BID AWARD:

Bidder must complete and return the following for award of bid:

1. The electronic Invitation for Bid to be found at www.pasupplierportal.state.pa.us,
2. A properly executed and signed DCNR-Bureau of Forestry DSA Certification Form stating the surface material DSA meets the required criteria, and
3. 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.

Bidders must be aware that the 20% over/under allowance for delivered DSA material is **no longer applicable**; vendors must plan deliveries accordingly and remain at or below the requested bid tonnage for the project.

Note: The Department will only accept out to two (2) decimal points when entering your “Unit Price” figures in the bid.

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

Contractor shall be paid for actual quantities used.

VI. PAYMENT TERMS:

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

VII. RECEIPT AND OPENING OF BIDS:

Bids must be submitted via the PA Supplier Portal, to be found at www.pasupplierportal.state.pa.us. Faxed bids and mailed bids **will not** be accepted.

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

VIII. SERVICE SLIPS:

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

IX. INVOICES:

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

All invoices for this contract MUST either be:

1. 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>.

2. Or mailed to the following address:

Commonwealth of PA – PO Invoice
PO Box 69180
Harrisburg PA 17106

All invoices MUST have the purchase order number, project number, as well as your SAP Vendor Number on the invoice. The name and address listed on the purchase order must also be listed on each invoice. Failure to provide this information may result in a delay of payment.

X. BID RESULTS:

Bidder can obtain bid results by accessing 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