

NOTICE TO BIDDERS

Chip Seal Surfacing of Roadways Worcester County, Maryland

The Worcester County Commissioners are currently accepting bids for county-wide chip seal surfacing of various sections of roadways in Worcester County to be completed by June 15, 2018 and requiring approximately 334,319 square yards of 7RC Chip Seal for surfacing roughly 31.67 miles of road for the Roads Division of the Worcester County Department of Public Works. Bid specification packages and bid forms are available from the Office of the County Commissioners, Room 1103 - Worcester County Government Center, One West Market Street, Snow Hill, Maryland 21863, obtained online under the "Bids" drop-down menu in the lower right hand side of the home page at www.co.worcester.md.us or by calling the Commissioners' Office at 410-632-1194 to request a package by mail. **Sealed bids will be accepted until 1:00 PM, Tuesday, March 13, 2018** in the Office of the County Commissioners at the above address, at which time they will be opened and publicly read aloud. Envelopes shall be marked "Chip Seal Bid" in the lower left-hand corner. After opening, bids will be forwarded to the Department of Public Works for tabulation, review and recommendation to the County Commissioners for their consideration at a future meeting. In awarding the bid, the Commissioners reserve the right to reject any and all bids, waive formalities, informalities and technicalities therein, and to take whatever bid they determine to be in the best interest of the County considering lowest or best bid, quality of goods and work, time of delivery or completion, responsibility of bidders being considered, previous experience of bidders with County contracts, or any other factors they deem appropriate. All inquiries shall be directed to Frank Adkins, Roads Superintendent, at 410-632-2244, Monday through Thursday, 6:00 am to 4:30 pm.

Bid Specifications

The Worcester County Commissioners are currently accepting bids on Chip Seal. Sealed bids will be accepted until **1:00 PM, Tuesday, March 13, 2018**, at the Worcester County Commissioners Office, Room 1103, Worcester County Government Center, One West Market Street, Snow Hill, MD 21863 at which time they will be opened and publicly read aloud. After opening, bids will be forwarded to the Department of Public Works for tabulation, review and recommendation to the County Commissioners for award at a future date. **Envelopes must be marked in lower left corner with "Chip Seal Bid"**.

The work is to be completed by **June 15, 2018**. No bid bond is required. If all work is not completed as specified within liquidated damages shall be imposed as stated. **A pre-construction meeting will be required within five (5) days prior to commencement of work.**

ITEM I - 7 RC CHIP SEAL SPECIFICATIONS:

Miscellaneous: **No work will be performed on weekends or holidays.**

WARRANTY: All work and materials shall be warranted for a period of one year.

DESCRIPTION

This work shall consist of the application of a single course of asphalt surface treatment on various roads located in Worcester County in accordance with the attached oiling schedule.

The project requires the furnishing and application of all specified asphalt and Aggregate cover materials. The contractor provides all necessary labor, equipment and materials, including maintenance of traffic items.

DEFINITION OF TERMS

Single Seal Treatment is defined as one application of asphalt material and one application of cover aggregate. These roads are identified in the schedule with 1/3 gal/sy application rate for CRS-2PM.

SPECIFICATIONS

All work on this project shall be done in accordance with the Maryland Department of Transportation State Highway Administration "Standard Specifications for Construction & Materials" dated Oct. 1993 as revised to date. Asphalt emulsion and aggregate cover material are herein specified and selected from the above. Sectional references are to the State specifications.

Additional or deleted requirements to the above SHA Standard Specifications and supplemental CRS-2PM specifications are also listed herein and shall be a part of this contract

MATERIALS AND APPLICATION RATES

Referenced SHA section 503.02

Emulsified Asphalt shall be type CRS-2PM

Spray temp: 140-160 F

Spray rate: single coat of first coat: 0.3-0.5 gal/sy

Prior to construction the contractor shall submit for approval to the Engineer sources of supply for all materials.

Aggregates:

Spread rate: Single seal treatment: single coat: No. 8 @ 20-35 lb/sy

All aggregates shall be double washed stone. Aggregates shall not be used within 24 hours of washing.

Aggregate from more than one source shall not be furnished for a specified route or a group of subdivision routes unless permitted by the Engineer. Aggregate color shall be subject to the approval of the Roads Engineer. White granite is NOT acceptable. Samples must be submitted for approval.

CONSTRUCTION

SHA 503 governs as applicable

Equipment:

Referenced SHA section: 503.03.01

All equipment shall be subject to approval by the Engineer.

Delete SHA 505.03.01 (b) tailgate spreader. The aggregate spreader shall be a self-propelled model capable of covering 12 feet in one uniform application and adjustable for various rates.

Asphalt distributing equipment per SHA specifications.

Rollers: Steel-wheeled and pneumatic tire rollers are required. See following section below.

Power broom required. See following section below.

All other equipment per SHA specs. or as required for successful prosecution of the work.

Weather:

Referenced SHA section 503.03.02

Foundation Preparation:

The County will trim the shoulders of roads to be resurfaced.

The County will patch all ruts or potholes as deemed necessary.

The contractor shall power broom the surface to remove all loose and foreign materials prior to application of the asphalt. The power broom, operator, fuel, maintenance, and traffic control will not be paid for directly, and is considered incidental to the pay items in the schedule of prices.

Seal treatment:

The asphalt shall be sprayed on the surface at the rate herein specified. Excess material in pools shall be removed. Areas not accessible to the distributor must be hand hosed. Immediately following the asphalt application, a dry, dust free aggregate shall be spread on the surface at the application rate herein specified. All areas containing insufficient aggregate shall be corrected.

Verification:

The type, quantity, and temperature of asphalt material applied must be verified to the satisfaction of the inspector.

A ticket showing the certified weight of each individual truck load of cover aggregate must be presented to the inspector on the job for all cover material prior to spreading said material on the surface to be treated. Should the contractor elect to stockpile the cover aggregate, provisions must be made to weigh the material coming from the stockpile prior to applying the material to the roadway.

Rolling:

Immediately following the aggregate application, the surface shall be rolled until the aggregate is uniformly embedded into the asphalt. The rolling shall be discontinued if the aggregate begins to crush. The contractor shall use a steel wheel roller and a static-tire roller on seal treatments. These treatments shall be subjected to a minimum of one complete pass of each type of roller on each layer of cover.

Maintenance, Protection and Performance of the Work:

Completed sections shall be closed to traffic until the final seal coat has completely cured. The contractor shall maintain the treated surface after it has been opened to traffic until final acceptance.

The contractor shall exercise control of the delivery and application of the surface treatment materials to prevent damage to the roadway surface. The speed of the delivery equipment and pilot truck shall be limited as directed by the inspector. The maintenance and protection shall include, but not be limited to, the placement of signs; the use of flaggers and pilot trucks; and placement of additional asphalt and aggregate material. In the event a failure occurs prior to acceptance, the contractor shall repair or replace the failed treatment as directed by the Engineer.

POC:

The contractor shall designate a contact person and telephone number for the handling of complaints or claims of the public due to the contractor's operation.

Mail and paper box care:

The contractor's attention is called to mail or paper boxes on this project that may be within the limit of work. These boxes if required to be moved for equipment shall be the contractor's responsibility. They shall be moved to a suitable location that mail and papers may be received as usual. When construction in a given area has reached the stage that there is no more conflict with such boxes, they shall be placed permanently at or near their original location to conform with U.S. postal requirements. If these boxes or their supports are damaged by the contractor during construction of this project, they shall be repaired or replaced in kind at the contractor's expense.

No additional payment will be made to the contractor for adjustments to the existing mail and or paper boxes, but will be considered incidental to other pay items.

MAINTENANCE OF TRAFFIC

Conformance requirements:

SHA "Standard Specifications for Construction and Materials" (SHA Standard Specifications) section 104

SHA "Book of Highway Standards"

FHA "Manual on Uniform Traffic Control Devices" (MUTCD)

The contractor must maintain traffic at all times throughout the entire length of the project, including public and private and commercial entrances, street intersections, etc.

Traffic Manager (TM) - Traffic Control Plan (TCP)

Referenced SHA section 104.02.03

The contractor shall appoint a Traffic Manager responsible for Maintenance of Traffic conformance requirements. This individual shall develop and submit to the County a Traffic Control Plan suitable to his plan of construction for a given location. This plan will be reviewed with the project inspector and jointly agreed upon prior to starting the work. If during the course of the work adjustments are necessary to traffic control measures the contractor shall take corrective action as required or directed.

Temporary Traffic Signs (TTS):

The contractor shall furnish and install all necessary TTS as required by Sec. 6B of the MUTCD.

Cones:

Cones shall meet the requirements of Sec. 104.14 SHA Standard Specifications.

Flaggers-Pilot Vehicles-Radio Communication:

The contractor shall furnish all necessary MD SHA Certified flag persons in conformance with Section 6F of the MUTCD and Sec. 104.15 of the SHA Standard Specifications. Flaggers shall use STOP/SLOW paddles. Two-way radios or pilot vehicles shall be used whenever flaggers are not within sight distance of each other, or when directed by the Engineer.

Basis of Payment:

All aforementioned items under this section Maintenance of Traffic will NOT be paid for directly and shall be considered incidental to the other pay items in the schedule of prices for Chip Seal Surface Treatment.

MOBILIZATION:

Movement of personnel and equipment to and from the project sites and staging equipment will not be paid for directly and shall be considered incidental to the other pay items.

METHOD OF MEASUREMENT AND BASIS OF PAYMENT

Chip Seal Surface Treatment will be measured and paid for at the Contract unit price per square yard for one or more of the items listed in the schedule of prices in the bid proposal. The payment will be full compensation for mobilization, maintenance of traffic, preparation, furnishing, hauling, placing all required materials, and for all labor, equipment, tools, and incidentals necessary to complete the work.

All correspondence and invoices are to be sent to the Worcester County Public Works Department, Roads Division, 5764 Worcester Highway, Snow Hill, MD 21863.

The County Commissioners shall be the sole judge as to whether or not any bid meets specifications. The County Commissioners reserve the right to accept or reject any bid in the best interest of the County.

1. **LIQUIDATED DAMAGES** - For each day that the work shall remain uncompleted after the time specified for completion, the sum per day, given in the following schedule shall be deducted by the County from monies due the Contractor, not as a penalty, but as liquidated damaged.

<u>Amount of Contract</u>	<u>Amount of Liquidated Damages per Day</u>
Less than \$10,000	\$ 80.00
\$10,000 and less than \$50,000	\$160.00
\$50,000 and less than \$100,000	\$240.00
Greater than \$100,000	\$400.00

2. **CONTRACTOR'S INSURANCE** - The contractor shall take out and maintain during the life of this contract, Workmen's Compensation Insurance for all of his or any subcontractor's employees employed at the site of the work; and such Public Liability and Property Damage Insurance as shall protect him from claims which may arise from operations under this contract for personal injury (including accidental death) as well as for property damage - whether such operations are by himself or by any subcontractor, or by anyone directly employed by them.

Public Liability Insurance shall be in the amount not less than \$500,000 for injuries, including wrongful death to any one person; and, subject to the same limit for each person, in an amount not less than \$1,000,000 on account of one accident.

Property Damage Insurance shall be in an amount not less than \$500,000 for damages on account of any one accident, and in an amount not less than \$1,000,000 for damages on account of all accidents.

MEASUREMENT AND PAYMENT

1. **MEASUREMENT OF QUANTITIES** - The Engineer shall make final measurements to determine the quantities of various items of work performed as the basis of final settlement.

Pay weight for all items to be paid for by weight shall be determined by actual certified scale weight, certified shipping weight, or by computed weight as specified herein.

Materials specified for measurement by tallying of vehicles shall be hauled only in approved units, the carrying capacity of which has been pre-determined. Each hauling unit shall be marked to designate its approved capacity.

2. **PARTIAL PAYMENTS - Partial payments shall be made monthly in an amount not greater than 90% of the money earned during the pay month. The Contractor shall prepare the application for payment in form satisfactory to the Engineer. Process time shall be thirty (30) days upon receipt.**
3. **ACCEPTANCE AND FINAL PAYMENT - When in the opinion of the Engineer, the Contractor has completed the work in a satisfactory manner in accordance with the terms of the contract, the Engineer shall make final inspection of the entire project and shall certify in writing to the County as to the completion of the work submitting with this report the final estimate showing the amount of each item of work performed as the value thereof.**
4. **RELEASE OF LIENS - The Contractor shall deliver (in a form satisfactory to the owner) a written report to the effect that all bills for labor, materials, and supplies have been paid or satisfactorily secured.**
5. **CONSENT OF SURETY – Projects bonded by a surety bond will require written CONSENT OF SURETY FOR FINAL PAYMENT.**

BID FORM

“Chip Seal FY18”

I/We have reviewed the specifications and provisions for furnishing and applying approximately 334,319 square yards ± of 7 RC Chip Seal to approximately 31.67 miles ± of roads at various locations in Worcester County and understand said requirements. I/We hereby propose to furnish and apply.

334,319 Square Yards ± 7 RC Chip Seal @ \$ _____ per square yard

Work is to be completed by **June 15, 2018**.

BID MUST BE SIGNED TO BE VALID.

Date: _____

Signature: _____

Typed Name: _____

Title: _____

Firm: _____

Address: _____

Phone: _____

**PROPOSED TAR / CHIP FY18
(South/Central)**

<u>ROAD NAME</u>	<u>MILES</u>	<u>WIDTH</u>	<u>SQ. YDS.</u>
Hall Road	1.10	18.0'	11,616
Blades Road	0.80	18.0'	8,448
McMaster Road	0.96	20.0'	11,264
McMaster Road Spur	0.44	20.0'	5,163
Newtown Park Road	0.31	22.0'	4,001
Parker Bay Road -OP	0.25	12.0'	1,760
Scotts Landing	2.06	18.0'	21,754
Voting House Road	1.43	18.5'	15,520
Forest Lane Road	2.18	18.0'	23,021
Greenbriar Swamp Road	2.92	18.5'	31,692
Sand Road	3.26	18'-20'	38,251
Bayview Road	2.03	16.0'	19,055
Boxiron Road	2.35	16.5'	22,748
Patey Woods Road	4.07	18.0'	42,979
Spencer Road	0.66	18.0'	6,970
Timmons Road	0.66	19.5'	7,550
Blake Road	0.43	20.0'	5,045
Scotland Road	2.22	16.5'	21,490

<u>ROAD NAME</u>	<u>MILES</u>	<u>WIDTH</u>	<u>SQ. YDS.</u>
Acorn Road	0.21	18.0'	2,218
Island View Road -OP	0.25	11.0'	1,613
Taylor Landing Road - OP	0.12	14.0'	986
Flemming Mill Road	1.51	16'-18'	15,946
Oak Hall Road	1.00	15.5'	9,093
Holly Court (RR - Gate)	0.13	22.0'	1,678
Holly Court (Gate - B/Top)	0.18	22.0'	2,323
William Street	0.14	26.0'	2,135
TOTALS	31.67		334,319