

ALLEGANY COUNTY DEPARTMENT OF

PUBLIC WORKS

7 Court Street, Room 210

Belmont, NY 14813-1078

Telephone: 585-268-9230 Fax: 585-268-9648

NOTICE TO BIDDERS

The Allegany County Department of Public Works will receive sealed bids until 10:00 a.m. February 22, 2018. At that time, bids will be opened in Room 221, County Office Building, Belmont, New York on the following items:

1. Culvert Pipe & Bands
2. Galvanized Corrugated Steel Beam Guide Rail, Posts, Block-Outs, and Back-Up Plates
3. Steel
4. Washed Crushed Gravel- Crushed Limestone
5. Highway Signs, Blanks and Posts
6. Bituminous Materials
7. 1311 Calcium Chloride
8. Crushed Gravel, Screened & Bank Run Gravel
9. Stone Fill (Rip Rap)
10. Ready Mix Concrete, Flowable Fill, and Concrete Blocks
11. Sand and Salt Mix
12. Rust Preventative Paint
13. Equipment Rental
14. Fiber Reinforced Bituminous Membrane Surface Treatment
15. Cold In-Place Recycled Asphalt Pavement
16. Pavement Markings

Specifications for the above listed items may be obtained on the Internet: Allegany County Website at www.alleganyco.com; click on Government then Public Works Department. They are also available at the Office of the Superintendent of Public Works, Room 210, County Office Building, Belmont, New York. It shall be the responsibility of each bidder to contact this office to determine if an addendum has been issued.

The Allegany County Department of Public Works reserves the right to reject any or all bids and to accept the bid it determines to be in the best interest of Allegany County.

Upon mutual agreement of the parties, Allegany County reserves the right to renew our contract (s) awarded as a result of this bid for an additional one (1) year period by resolution of the Public Works Committee of the Allegany County Board of Legislators in accordance with the specifications and NYS GML 103 and 104b.

Guy R James, Superintendent
Allegany County
Department of Public Works

GENERAL TERMS AND CONDITIONS:

1. Objective:

This document is published in order to obtain competitive prices for Cold In-Place Recycled Asphalt Pavement with an in-place bituminous seal coat overlay.

2. Acquisition of Bid Documents:

- a. Bid documents are available for download at www.alleganyco.com; click on Government then Public Works Department. They are also available at the Office of the Superintendent of Public Works, 7 Court Street, Room 210, Belmont, New York 14813. The office is open Monday – Friday, 8:00 a.m. to 4:00 p.m. Telephone number is (585) 268-9230.
- b. Each contractor bears sole responsibility for acquisition of bid documents. Requests for bid documents to be forwarded are neither a guarantee nor an incurred obligation on the part of Allegany County to ensure contractors requested receipt of bid documents, timely or otherwise.
- c. Receipt of these documents, unsolicited or otherwise, shall not be construed a predetermination of a contractor's qualifications to receive a contract award. Nor shall receipt of these documents be interpreted an endorsement that the contractor's equipment, materials, products, and/or services are in compliance with the bid specifications.

3. Examination, Interpretation, Correction of Bid Documents:

Each contractor shall examine all bid documents and judge all matters relating to the adequacy of such documents. Any inquiries, suggestions or requests concerning interpretation, clarification or additional information pertaining to this bid solicitation shall be writing and submitted to the Public Works Department. The County shall not be responsible for oral interpretations given by any county employee, representative or others. The issuance of written addendum/addenda is the only official method whereby clarification or additional information can be given.

4. Preparation of Bid Documents:

Bids must be submitted on the forms provided in these bid documents and prepared in the following manner:

- a. All forms shall be clearly legibly completed using a permanent medium (i.e. ink, typewriter, laser printer, etc.) Illegible entries may be rejected.
 - i. If submittal of unit price(s) is a requirement, said unit price(s) shall prevail.
 - ii. All mathematical functions (extensions, additions, etc.) are subject to audit.
 - iii. Each price shall be expressed as a numerical dollar value; indicators such as ditto marks, arrows, etc. are not acceptable.
- b. All forms requiring a contractor's signature shall be signed by a contractor or the contractors authorized representative. Erasures and/or alterations shall be initialed by the representative whose signature appears on the forms.

- c. The contractor shall submit the bid in accordance with the bid documents and shall not make any changes in the wording or the bid forms or make any stipulations or qualify the bid in any manner.
- d. Prices shall be F.O.B. any point in Allegany County, New York. Price quoted shall include all delivery charges.
- e. Prices shall be net; including transportation on delivery charges must be prepaid by the successful bidder and added to the invoice as a separate item. In any case title shall not pass until items delivered to the County and accepted by the requesting department.
- f. All bids shall be firm for the period of forty-five (45) days from the bid opening date; during which time the County shall render its decision.

5. Bid Surety:

All bidders must submit a Bid Bond or Certified Check in the amount of Five Thousand Dollars (\$5,000.00) payable to Allegany County Department of Public Works with their bid. Bid Bond or Certified Check will be refunded to unsuccessful bidders. The successful bidder(s) will be issued a Notice of Intent to award and will be required to submit a Performance Bond within three weeks of the date of receipt of the Notice of Intent. The amount of the Performance Bond will be determined at the time of award. Bond shall remain in effect until May 1st, 2019. Upon receipt of the Performance Bond or Certified Check the successful bidder(s) will be issued a Notice of Award. The Bid Bond will be returned with the Notice of Award. The Performance Bond will be released upon completion of work and acceptance by the Superintendent of Public Works. Performance Bonds for towns and villages should be provided directly to the respective town or village.

6. Contract Term:

May 1, 2018 through April 30, 2019

7. Quantities:

- a. Quantities are not guaranteed. A minimum and/or maximum quantity shall not be established.
- b. If this bid specifies "estimated quantities", said quantities are specified for bid purpose only. These quantities are not intended, nor should they be construed to reflect the actual purchase requirements of Allegany County.

8. "In-Place" Work:

The County accepts more than one bid for Cold In-Place Recycled Asphalt Pavement with an in-place bituminous seal coat overlay in order to allow an option to the County in event the low bidder is unable to perform when the County requires these materials. If the low bidder cannot perform within a reasonable time (a judgment made by the County Superintendent) the County has the option of using the next lowest bidder or bidders. **ALL "IN-PLACE" WORK MUST BE COMPLETED BY SEPTEMBER 15, 2018 UNLESS APPROVED IN WRITING BY THE SUPERINTENDENT OF PUBLIC WORKS. ANY "IN-PLACE" WORK NOT COMPLETED BY SAID COMPLETION DATE MAY BE**

SUBJECT TO LIQUIDATED DAMAGES OF \$750.00/DAY UNLESS PREVIOUSLY NEGOTIATED WITH THE SUPERINTENDENT OF PUBLIC WORKS.

Municipalities (Towns, Villages, School Districts or Fire Districts) making purchases of the above materials pursuant to General Municipal Law Section 103 are required to follow the above County procedure. The determination of whether or not the low bidder can perform within a reasonable time shall be made by the appropriate Superintendent or Official, and not by Allegany County.

9. Non-Collusive Bidding Clause and Certificate:

The contractor shall submit a signed and dated Non-Collusive bidding certificate with its bid which is included in this bid document. Said certificate is mandated by Section 103-g of the General Municipal Law.

10. Hold Harmless Clause and Form:

The contractor shall submit a signed and dated Hold Harmless Clause form with its bid, which is included in this bid document.

11. Iranian Energy Sector Divestment Certification:

Contractor hereby represents that said contractor is in compliance with New York State General Municipal Law; Section 103-g entitled "Iranian Energy Sector Divestment." By submission of this bid, each contractor and said person signing on behalf of any contractor certified and in case of a joint bid, each party hereto certifies as to its own organization, under penalty of perjury, that the best knowledge and belief, that each contractor is not on the list created pursuant to NYS Finance Law Section 165-A (3) (b).

The contractor shall submit a signed, notarized and dated Iranian Energy Sector Divestment Certification, included in this document, with its bid.

Said certificate is mandated by Section 103-g of the General Municipal Law. Reference the Iranian Energy Sector Divestment Certificate Form included in this document.

12. Required Insurance:

- a. This bid document includes an information sheet entitled: ALLEGANY COUNTY STANDARD INSURANCE REQUIREMENTS. These requirements establish the minimum insurance(s) which the contractor shall have in effect prior to entering into a contract with Allegany County. Said insurance(s) are required to remain in effect through the term of the contract(s). In the event that the contractor's insurance lapses during the term of the contract(s), the County reserves, as its right, the right to cancel the contractor's contract(s), and to purchase the contracted product(s)/service(s) on the open market; with any increase in cost(s) to Allegany County charged to the awardee. Credit shall not be issued to the awardee where open market cost(s) to the County are less than the cost(s) contracted with the awardee.

b. Additional Insured & Certificate Holder:

- i. Allegany County shall be named as an “additional insured” for the purpose of coverage on direct, primary and non-contributory basis in the contractor’s policy for all intents and purposes of contract(s) issued as a result of an award of this bid. Additional insured shall read- Allegany County, 7 Court Street, Room 210, Belmont, New York, 14813.
- ii. Certificate Holder shall read- Allegany County, 7 Court Street, Room 210, Belmont, New York 14813.

c. Each contractor shall submit an original of its Certificate of Insurance and NYS Workers Compensation Insurance Coverage Form (which indicates the contractor’s compliance with the above sections a. and b.) to the following: Allegany County DPW, 7 Court Street, Room 210, Belmont, New York 14813.

13. Sales Tax Exemption:

The County is exempt from payment of sales and compensating use taxes of the State of New York and cities within the State of New York.

14. Protection from Claim Against or Equal:

In the event of any claim concerning or relating to the issues of equal or better, the contractor agrees to hold the County of Allegany free and harmless from any and all claims, legal fees and court costs for loss or damage arising out of this transaction for any reason whatsoever.

15. Addendum/Addenda:

- a. If an addendum has been issued prior to the County’s receipt of bids; Allegany County shall attempt to notify contractors known to have received the sealed bid documents and whose contact information is on file with Allegany County. Allegany County does not ensure the potential contractor’s receipt of the addendum. It shall be the responsibility of the contractor, prior to submitting its bid, to contact the Department of Public Works (585) 268-9230, to determine if an addendum has been issued.
- b. Addendum shall be available online at www.alleganyco.com; click on Government then Public Works Department. They are also available at the Office of the Superintendent of Public Works, 7 Court Street, Room 210, Belmont, New York 14813.
- c. It is a requirement that the contractor sign, date and include the addendum with its bid submittal. Failure to do so may result in rejection of bid.

16. Multiple/Alternate Bid Submittal(s):

For those contractor’s intending to submit multiple/alternate bids in response to this bid solicitation; the contractor is required and shall submit a complete bid document for each bid submitted. Note: If there is a bid surety requirement, one (1) surety instrument written for the highest amount, shall suffice.

17. Submittal of Bid(s):

- a. The bid shall be submitted in a sealed envelope with the following marked on the outside:
 - i. Print your company's name in the upper left corner
 - ii. In the lower left corner print:

Sealed Bid: February 22, 2018, 10:00 a.m.
Cold In-Place Recycled Asphalt Pavement
- b. The envelope shall be addressed to Allegany County DPW, 7 Court Street, Room 210, Belmont, New York 14813.
- c. Bids will be received at the Public Works Department at the time specified. At which times bids will be opened.
- d. Facsimile transmitted bids are not acceptable and shall be rejected.
- e. Security procedures are in effect at the Allegany County Office Building. Interested parties, especially contractors who intend to hand deliver bids and/or conduct business with Allegany County Department of Public Works should allow sufficient time for any delay which may arise as a result of security procedures. To be considered delivered and on time a bid submittal must be received at the Public Works Department by the appointed hour.
- f. All bid proposal sheets shall remain intact and be submitted with the bid.

18. Business Hours:

Contractors will maintain normal business hours during the time in which the material bid will be needed by the County. Bidders agree that normal business hours shall mean 8:00 a.m. to 4:00 p.m. Bidders acknowledge and agree that on some occasions it may be necessary to open before and remain open beyond normal business hours in order to provide the County with material bid.

19. NYSDOT Standard Specifications or Source(s) & Materials:

- a. All materials proposed or materials supplied by the bidder to Allegany County shall conform to the requirements set forth in Standard Specifications (US CUSTOMARY UNITS), published by the New York State Department of Transportation, May 2, 2008, including all current amendments, or to any other standard or standard specifications. If the materials bid are subject to certification or approval by the State of New York and the bidder shall furnish with the bid proof of such approval or certification.
- b. The Superintendent of Public Works may order tests for the materials proposed by the bidder or supplies by a successful bidder, at any time, the costs of such testing shall be the responsibility of the bidder and/or successful bidder as the case may be. The bidder and/or successful bidder agree to pay the costs of such tests when presented with an invoice by the Superintendent of Public Works.

20. Compensation:

Payment shall be rendered to the contractor(s) for satisfactory compliance with the general terms and conditions of this bid. Invoice terms shall be net 30 days. The county normally processes invoices for payment bi-monthly, according to a regular established schedule.

21. Late Bids:

Contractors bear the sole responsibility for the delivery of their bid in a timely manner. Reliance upon the U.S. Postal Service or other carriers is at the contractor's risk. Late bids will not be considered and will be returned unopened.

22. Right of County to Seek Clarification, Accept or Reject Bid(s), etc.:

- a. Allegany County reserves as its right, the right to require clarification from the contractor for the purpose of assuring a full understanding of the contractor's responsiveness to the solicitation requirements.
- b. Allegany County reserves as its right, the right to accept or reject any and all bids (or separable portions thereof), the right to waive irregularities and technicalities, and the right to request resubmittal of bids (re-bid).

23. Civil Rights:

The County of Allegany in accordance with the provisions of Title VI of the Civil Rights Act of 1964 and New York Labor Law; Article 8- Public Works, Section 220e hereby notifies all contractors will affirmatively ensure that any contract awarded as a result of this bid solicitation will be awarded without discrimination on the grounds of race, color, sex or natural origin.

24. Award of Bid:

For the purpose of this bid and subsequent award(s), it is intended that award(s) that will be made on a line item basis:

- a. Bids will be awarded to qualified and responsible contractor(s) who sufficiently meet the terms, conditions and specifications stated herein. However under all circumstances and all statements to the contrary notwithstanding, Allegany County reserves as it right, the right to determine award(s)/awardee(s) in accordance with the best interest of Allegany County.
- b. Award of Bid is not made at the bid opening. All bids are subject to final review and acceptance by the Public Works Committee of the Allegany County Legislature before any award may be made.

25. Executory Clause:

Allegany County shall have no liability under any contract or contracts or to anyone else beyond funds appropriated and available for the purpose of this document and resultant contract(s).

26. Assignability:

The contractor shall not assign, transfer, convey, sub-contract, sublet or otherwise dispose of all or portions of this contract (and/or work to be performed as a result of the contract) or its right, title, or interest to any other person, company, corporation, without prior written consent of the Superintendent of Public Works.

27. Extension of Contract Usage by Political Subdivisions:

Political subdivisions within Allegany County (Towns, Villages, School Districts and Fire Districts), as defined in Section #103 of the General Municipal Law may participate in any contract awarded as a result of this bid document. Additionally, per section 408-a (2) of County Law and Allegany County Resolution No. 202-15, all political subdivisions within the state of New York may piggyback off this competitive bid as long as it is mutually agreed to by both parties. Responsibility, financial or otherwise, for purchase(s) made by other parties as a result of the extension of this contract, shall not be borne by Allegany County.

28. Contractor's Failure to Comply:

The Contractor's failure to perform in compliance with the bid award shall result in withholding of payment. The payment shall be withheld until such times as the contractor fulfills its responsibilities. Compliance shall be determined by and to satisfaction of Allegany County. Such action would not necessarily preclude further initiatives on the part of Allegany County to protect and preserve its best interest.

29. Cancellation of Contract:

Allegany County reserves, as its right, to cancel the contract(s) resulting from an award of this bid solicitation at any time during the contract period, without penalty to Allegany County and without stated reason, by delivering a written ten (10) day notice of intent to the contractor(s) or its representative(s). Said notification mailed to the contractor or its representatives via the US Postal Service, First Class Mail shall be considered sufficient and delivered.

**SPECIFICATIONS
COLD IN-PLACE RECYCLED ASPHALT PAVEMENT
USING HIGH FLOAT EMULSIONS**

DESCRIPTION:

This work shall consist of cold recycling of existing bituminous pavements using High-Float Emulsions with Reclaimed Asphalt Pavement (RAP) in such proportions as determined by the Superintendent of Highways according to any of the options listed below.

MATERIALS

1. Bituminous Materials: The High-Float Emulsions shall be compatible with anionic emulsions and conform to the requirements of the Table HFMS-2, attached:

TABLE 1
COMPOSITION OF COMPLETED RECYCLED
ASPHALT MIXTURE

TYPE 3

<u>MIXTURE REQUIREMENTS</u> <u>SCREEN SIZE</u>	<u>GENERAL</u> <u>LIMITS %</u> <u>PASSING</u>
2"	100
1"	90 – 100
1/2"	60 – 90
1/4"	36 – 74
1/8"	25 – 62
#80	4 – 16
#200	2 – 8
<hr/>	
BITUMINOUS MATERIAL % OF RESIDUAL BITUMEN (2)	4.5 – 7.0

NOTES:

- (1) Aggregate percentages are based on total weight of aggregate
- (2) The bitumen content is based on the total weight of the mix, exclusive of water or oil distillate.

TABLE 2
TESTED ON ABSON RECOVERY OF
COMPLETED RECYCLED ASPHALT MIX

	<u>Minimum</u>	<u>Maximum</u>
Penetration, 77 F 100g. 5 sec	60	200
Solubility in trichloroethylene, %	99.0	
Ductility, 60 F, 5 cm /mm, cm	40	
Flash Point. F°	350	
Loss on Heating, %		1.5

Bituminous Materials: The high float rejuvenating agent HFRA shall meet the requirements of the following material designation and shall conform to the following requirements:

Sieve Test, %	0.10 max.
Storage Stability, 1 day	1.0 max.
Stone Coating, shall pass	Note #1 or #2
Distillation Test,	
Residue from Distillation % Min	65
Oil Distillate	0-5
Test on Residue from Distillation	
Penetration,	77 deg. F,
00 grams, 5 seconds	200+
Float Test @ 140 deg F, Note #3	1.200+
Solubility in Trichloroethylene, %	97.5+
Flash Point, COC, F Min	350
Saturates, % Max	20

Additional Requirements: To rejuvenate aged asphalt having a penetration between 10-20 to a penetration of 60 or more, the solids from the HFRA shall not exceed 30% by weight of the aged asphalt.

ASTM Tests-

NOTE #1- ASTM Method D244 except that the mixture of stone and asphalt emulsion shall be capable of being mixed vigorously for 5 minutes, at the end of which period the stone shall be thoroughly and uniformly coated. The mixture shall then be completely immersed in tap water and water poured off. The stone shall then be not less than 90% coated.

NOTE #2- ASTM Method D244 except that the mixture of stone and asphalt emulsion shall be mixed vigorously for 5 minutes, then allowed to stand for 3 hours, after which the mixture shall be capable of being mixed an additional 5 minutes. The mixture shall then be

rinsed twice with approximately its own volume of tap water without showing appreciable loss in bituminous film. After the second mixing, the aggregate shall be at least 90% coated.

NOTE #3- Float Test ASTM Method D-139 except that the residue from distillation shall be poured immediately into the float collar at 500 deg. F. and not through a No. 50 sieve; or if the residue had been allowed to cool, it shall again be heated to 500 deg. F. and poured into a collar. The water bath shall be maintained at the specified test temperature + 1 deg. F.

2. Aggregates: The mineral aggregate shall conform to the requirements set out in the following reference subsections in the NYSDOT Standard Specifications.

Fine Aggregate	703.01
Coarse Aggregate	703.02

CONTRACTOR QUALIFICATIONS:

1. Contractor shall own a complete and permanently operating manufacturing plant with facilities located within a reasonable delivery distance to job sites.
2. Operator of plant facilities shall have a minimum of five (5) years' experience in the production of the type of material specified to insure proper mixtures and satisfactory service. The vendor at the time of bidding shall own the equipment with which he intends to complete the contract, if so awarded. The vendor shall have a minimum of five years of experience performing CIPR for NYSDOT with the HFMS-2 emulsion specified, and shall submit evidence at the time of bid.
3. A complete list of the bidders/contractor's workforce, experienced with the placement of cold in-place recycling to be utilized during the entire CIPR operation performed under this contract shall be made available. This must list each employee's name, title, OSHA training certificate and the number of years of actual on-the-job experience in cold in-place recycling applications. All shall have full knowledge of application and shall be supervised by a competent superintendent present on the job at all times.
4. A list of company owned and maintained equipment to be used on the project, including make, model, year, and serial number. Equipment listed shall meet the minimum specification requirements herein.
5. In the table below list the completion of six (6) successful cold in-place recycling projects utilizing the specified HFMS-2 the past two (2) years by the contractor.

	Name of Project Location	Contact Person Telephone Number	Square Yards	Date Completed
1				
2				
3				
4				
5				
6				

6. The bidder shall own, operate and maintain a working laboratory. The laboratory shall be equipped with all equipment necessary to perform all specified tests on the emulsion sample and recycled asphalt pavement (RAP) material. The laboratory shall be operated by a full time qualified technician and shall be available for use by any highway department personnel. In addition, the laboratory shall also include sufficient equipment to test aggregates and mixes required by NYSDOT materials method #5. The highway department may at any time have samples tested by a certified independent testing laboratory.

DESIGN CERTIFICATION AND DEMONSTRATIONS:

1. Prior to commencing any mixing work, the successful bidder shall sample the recycled asphalt pavement (RAP) to be used on the project. The RAP material shall then be extracted by standard ASTM methods (core samples) and as a minimum, the following shall be determined:
 1. Percent asphalt residue in RAP
 2. Penetration of aged asphalt in RAP
 3. Sieve analysis of aggregate in RAP
 4. Percent HIGH-FLOAT EMULSION needed to be added to bring the aged asphalt in RAP to desired penetration.
2. After analyzing the RAP material, the supplier shall then submit a certified, recommended job mix formula to the Superintendent of Highways. The recommended job mix should include the following as a minimum:
 1. Complete analysis of RAP Material
 2. Percent RAP material to be used
 3. Percent and type of virgin aggregate to be added, if any (assume 20% for bidding purposes)
 4. Combined aggregate gradation
 5. Percent of asphalt residue in finished mix
 6. Percent of emulsion to be added (1.5 gal/s.y. at 4" depth)
 7. Type and percentage of HIGH-FLOAT EMULSION to be blended with HFMS-2, if any.
 8. Target or design penetration of finished mix
 9. Test on residue from Absorption Recovery of Completed Recycled Asphalt Mix (RAM) as required in Composition of Completed Recycled Mixture section

Acceptance of the job mix formula by the Superintendent of Highways is solely for the purpose of quality control and in no way releases the contractor from his responsibilities.

3. Either during or immediately after construction, the contractor shall provide to the Superintendent of Highways complete certified test analysis of all job mix formula parameters as outlined above and listed in Tables 1 & 2, on the completed cold recycled mixture.

IN-PLACE RECYCLING

DESCRIPTION: Under this option, the supplier/contractor will provide all necessary equipment, High-Float Emulsion, testing and certification, aggregate (if required), and manpower to grind, mix, place and compact recycled asphalt pavement. All materials, testing, design, certification, gradation demonstration, and aggregate provisions as specified shall apply.

NOTE: In 'Design, Certification and Demonstration' the RAP will be read as 'sampling cores' for in-place recycling.

1. Grinding and Mixing

The equipment for grinding, mixing and profiling the pavement surface or surfaces shall be a power operated, planing machine or grinder. Said equipment shall be capable of grinding and mixing, in one pass, a thickness of existing asphaltic concrete necessary to provide profile, cross slope, and desired texture uniformly across the entire pavement surface up to seven (7) inches deep in one pass. The equipment shall be self-propelled with sufficient power, traction, and stability to maintain accurate depth of cut and slope. The cutting drum shall have bi-directional cutting capability in order to control chunk size meeting the following gradation:

Chunk Size Gradation

<u>Sieve Size</u>	<u>Percent Passing</u>
3"	100
2"	95-100
#200	0-12

The reclaimed material will be discharged to the rear of the machine. The equipment shall be capable of accurately and automatically establishing profile grades along each edge of the machine (within +/- 1/8") by referencing from the existing pavement by means of a ski or matching shoe or from an independent grade control and shall be controlled by an automatic system for controlling grade elevation and cross slope at a given rate. The machine shall be equipped with means to control dust and other particulate matter created by the cutting action. The speed of the machine shall be variable in order to leave the desired grid pattern surface texture.

When mixing in place, if it is necessary to add additional aggregate to meet gradation or depth requirements, the proper aggregate shall be placed in a uniform layer over the existing surface at the proper rate to the grinding, mixing and application of High-Float Emulsion. The mixer shall be equipped with a stabilization package, consisting of an asphalt pump, totalizing meter and a spray bar mounted within the mixing chamber. The asphalt pump shall be mechanically or electrically interlocked with the ground speed of the machine. The recycled mixture shall then be deposited into a window behind the mixer and then elevated into the hopper of a paver. The paver shall be capable of maintaining proper grade and cross slope so as to produce the specified thickness of material and a uniform cross section after compaction. Paver to be a Caterpillar AP 1055F or equal equipped with automatic transverse slope and longitudinal grade screed controls. The paver shall be equipped with a screed that is fully extendible from 10 feet

to 19 feet 6 inches. Heat and vibration shall be provided for the full-extended width. The extenders shall have independent slope control and on the go capabilities to change width and slope.

A two-year guarantee for defective or inferior material and/or workmanship, under terms set forth below, shall apply to the work covered by this contract. The bidder/contractor shall supply the County of Allegany with a two (2) year 100% Maintenance Bond.

PROVISIONS:

1. Materials and Workmanship: The bidder/contractor warrants, for a period of two (2) years from the completion of the work, that the bituminous material supplied by the Bidder/Contractor and/or used in the production of the work and the workmanship in the application of materials by the Bidder's/Contractor's agents and employees shall be free from defects.
2. Recommendations: The bidder/contractor shall make recommendations to the Highway Superintendent or his designee regarding: 1) application rates to be used for liquid bituminous material, aggregates and mixtures; 2) aggregate gradation and acceptability; 3) proper procedures and techniques for each project; and 4) other information deemed by the bidder/contractor to be pertinent to the completion of the work.
3. Obligation of the Highway Department or other Contracting Agency: 1) the Contracting Agency shall be solely responsible for all structural, subgrade and drainage conditions of the pavement structure and conditions associated therewith and arising therefrom; 2) The Contracting Agency, its agents, contractors and employees shall fully conform with procedures and techniques established by the New York State Department of Transportation for use and application of liquid bituminous materials for surface treating and cold mix work. 3) The Contracting Agency, its agents, contractors and employees shall fully comply with all recommendations provided by the Bidder/Contractor.
4. Conditions to the Bidder/Contractor Obligation: The Bidder/Contractor shall be relieved of all liability and obligations under this guarantee: 1) with respect to any failure or defect caused by pavement structure deficiencies; 2) with respect to any failure or defect in application performed by someone other than the bidder/Contractor, its authorized agents or employees; 3) in the event of failure of the Contracting Agency, its agents, contractors, or employees to fully perform the Contracting Agency's obligations set forth in paragraph 3 above.
5. Remedies: The Bidder's/Contractor's liability under this guarantee is limited to the replacement of all bituminous material (with similar material free from the defect in question), and to supply all equipment originally used in its expense of any defects material or workmanship which became apparent and of which the Bidder/Contractor is given notice in writing within two (2) years of the date of completion of the work. The Bidder/Contractor shall make such replacements of all bituminous material and shall supply equipment original used with reasonable care and dispatch.

DAMAGE:

Payment shall be made to the contractor for repair or replacement for any permanent element of the highway, which is completed to the stage of serving its intended function and is subsequently damaged by accident by public traffic. The contractor must supply satisfactory evidence that such damage was caused by a public traffic accident and not by vandalism or by the contractor's equipment. Satisfactory evidence shall generally be limited to: accident reports filed with Motor Vehicle Department, police agencies or insurance companies; statements by reliable, unbiased eye witnesses; identification of the vehicle involved in the accident. Physical evidence that the damage was caused by a motor vehicle (such as tire marks or broken headlight glass) will not be sufficient unless it can be shown that the damage was not caused by the contractor's vehicles or by vandalism.

Work for which there is a bid item will be paid for that item. Work, for which there is not a bid item, will be paid for at an agreed price or by means of force account. Payment will not be made for repair or replacement in any way connected with untimely failure for any portion of the highway under public traffic, and the determination regarding this matter shall be made by the Highway Superintendent, taking into consideration the normal life and the amount of normal wear of the element involved. This provision does not relieve the Contractor of the responsibility of maintenance and protection of traffic for the contract or the responsibility of having a wholly complete and acceptable job at the time of final inspection and acceptance of the entire contract. Payment for such damage shall be made only after the contractor had demonstrated to the satisfaction of the Highway Superintendent that he has made every reasonable effort to collect the costs from the persons responsible for the damage.

MEASUREMENT:

Work prescribed by this item will be measured by the square yard of surface area. Square yard calculations will be based on dimensions determined from measurements of the actual area recycled as authorized. All bituminous material will be measured by the gallon.

PAYMENT:

The work performed as prescribed by this item, measured as provided under MEASUREMENT, will be paid for at the unit price bid per square yard. The bituminous materials will be paid for under their appropriate items. Measurement and payment will be limited to the longitudinal length and width of the actual pavement provided.

IN-PLACE RECYCLING AND IN-PLACE BITUMINOUS SEAL COAT:

The price bid per square yard shall include all labor and supply for recycling various highways in accordance with these specifications.

The price bid per gallon shall include High-Float Emulsion, testing, labor and supplies.

The price per square yard for maintenance and protection of traffic.

The price per ton to purchase deliver aggregate to Contractor's spreader box.

The price per square yard for the bituminous seal coat in place.

The price per gallon of Item 702-3301 HFMS-2GH in place at a rate of 0.40 gallons/Sq. Yd.

ASPHALT PRICE ADJUSTMENT:

Price adjustment will be based on the New York State Office of General Services formula for commodity group 31501. The price adjustment will be based on the October 1, 2017 F.O.B. average terminal price of \$421.00/ton.

BITUMINOUS SEAL COAT IN PLACE

Section 1

Description: This work is an application of bituminous material, immediately followed by an application of coarse aggregate. The aggregate for this work will be provided by the County and a list of stockpile areas will be provided as needed. At the time of bidding, the successful bidder must own and operate a New York State approved Bituminous Manufacturing Facility located within the State of New York.

Section 2

Material: Bituminous material shall be Item 702-3101 RS-2 or Item 702-3301 HFMS-2GH or 702-4101 CRS-2 and conform to New York State Department of Transportation specifications. This material shall be obtained from the successful bidder's bituminous manufacturing facility within New York that is approved at the time of bidding. Application temperature shall be as specified by New York State D.O.T. specifications.

Section 3

Construction: The successful bidder shall sample the aggregate to be used and determine the approximate application rate using the design method.

1. Conditioning Existing Surface: The successful bidder shall clean (with power broom and/or blower when necessary) the entire existing road surface of loose and foreign materials. Any temporary pavement tape shall be removed by the contractor prior to surface treatment. Any patching shall have been done by the County Forces prior to this application.
2. Application of Bituminous Materials: Do not apply bituminous materials unless entire surface is in condition to permit satisfactory penetration and adhesion, and unless air and surface temperatures are 60 degrees Fahrenheit. Use a distributor designed, equipped, calibrated, maintained and operated so material may be applied uniformly, on variable width of surface up to 20 feet, at readily determined and controlled rates, as specified, capable of uniform distributing pressure, and with an allowable variation from any specified rate not exceeding 0.02 gallons per sq. yd. Provide a distributor equipped with a tachometer, pressure gauges, accurate volume-measuring devices or a calibrated tank, a thermometer for measuring temperatures of tank contents, a power operated pump, and full circulation spray bars adjustable laterally and vertically. The distributor shall be calibrated in accordance to these specifications (calibration is discussed in Distributor Calibration) prior to its use. Small ears inaccessible to the distributor may be applied with hand-spraying equipment. Apply bituminous material, at a rate to be determined by the Public Works Superintendent or his authorized agent. Insure uniformity at the junction of applications.
3. Spreading and Rolling Coarse Aggregates: Use a self-propelled, mechanical stone spreader capable of uniformly spreading 10 to 50 pounds per square yard of coarse aggregates of at least 11 feet wide in a single layer. Calibrate the spreader using the

method specified later in these specifications. The final application rate shall be determined by the County Public Works Superintendent or his authorized agent.

Apply the aggregate within 30 seconds of the application of bituminous material.

Use a sufficient number of pneumatic-tired rollers to cover the entire width of stone spread during the contact pressure of 40-50 psi. Rolling shall follow within 30 seconds of aggregate. After one-half of the roadway has had seal coat applied and prior to starting work on the unsealed portion broom all loose aggregate within one foot area from the center lane edge of the newly applied seal coat to insure a uniform adhesion over the center line joint onto the shoulder. Any excess aggregate that is left loose after the proper curing time shall be swept from the entire surface. The surface shall be swept at the time determined by the County Public Works Superintendent or his authorized agent.

4. Maintenance and protection of Traffic during construction: The contractor shall provide a minimum of **Two** flag persons attired with ANSI approved safety vests to be stationed at each end of the work zone. The contractor shall also provide signs and at least one pilot car and driver to control traffic within work zone. Provide one lane traffic protection during daylight construction and keep traffic off the seal coat application by the use of sufficient pilot vehicles until the seal coat is adequately cured. Weather conditions or high volume traffic may dictate that the pilot vehicles remain in operation for an extended period of time after sealing has been completed.

The pilot vehicles shall keep all thru traffic off the uncured seal coat and at speed of 25 M.P.H. or less within the limits of work. The pilot vehicles shall be equipped with reflectorized signs on the rear of the vehicles stating "Pilot-car – Follow me."

5. Hauling Equipment: The aggregate shall be transported from stockpiles to the work site in tight vehicles having clean and smooth metal beds. These vehicles shall travel no faster than 25 M.P.H. anywhere on the jobsite. THE HAULING SHALL BE DONE BY THE SUCCESSFUL BIDDER. THE TRUCKS WILL BE LOADED BY THE SUCCESSFUL BIDDER'S LOADER AT THE STOCKPILES.
6. Personnel: The successful bidder must provide sufficient competent, trained personnel under the direction of a superintendent or foremen who have experience in all aspects of applied in place bituminous seal coat. Personnel including sub-contracted haulers must be of sufficient numbers to accomplish the work. The number of personnel used and their relevant experience with in place bituminous seal coat is subject to approval by the Superintendent of Public Works or his designee. The superintendent or his designee reserves the right to remove any personnel deemed incompetent to accomplish the work in a professional manner.

SPECIAL NOTES:

1. The County, if this item is used, intends to complete all the routes planned. By mutual agreement of the County and Supplier, additions and subtractions may be made to do work as the County deems necessary.
2. Because of the nature of the work involved the County will make every attempt to schedule this work to occur without interruption, however, this cannot be guaranteed and the County will be the final authority as to the schedule.
3. The successful bidder will comply with the prevailing labor rates, a copy of which is attached and made a part of this specification, and present to the County Public Works Superintendent a certified payroll report at the time of each billing.
4. The application rates determined will be given to the County Superintendent of Public Works at least 2 weeks prior to the start of work. These rates will be used as a guideline by the County Superintendent of Public Works or his authorized agent and may be revised by him if field conditions warrant.

Method of Measurement:

Bituminous Seal Coat in Place: Work shall be measured by the square yard and agreed to between the County Public Works Superintendent or his authorized agent and the contractor.

Asphalt Emulsion: The quantity paid for will be in gallons measured as defined in the section "SPECIFICATION FOR LIQUID BITUMINOUS MATERIALS."

Basis of Payment:

Bituminous Seal Coat in Place: Payment will be made per square yard for completed work. The price per square yard bid will include labor, traffic control, equipment, and materials with the exception of aggregate and Asphalt Emulsion.

Asphalt Emulsion: Payment will be made per gallon and will include application with an approved and calibrated asphalt distributor.

Financial Responsibility:

Prior to the award the contractor shall submit the following certificates of insurance covering his equipment and operations:

1. Public Liability Insurance Policy in the amount of One Million Dollars (\$1,000,000.00) singles limit for bodily injury and property damage.
2. Automotive Liability Insurance Policy in the amount of One Million Dollars (\$1,000,000.00) singles limit for bodily injury and property damage.
3. All said insurance policies shall name the County of Allegany as an additional insured.
4. Vendor shall also furnish the purchaser with certification of insurance indicating he is covered by Worker's Compensation.
5. All said insurance policies shall contain the following clause:

“In the event of any material alteration or cancellation of this policy at least thirty days’ notice thereof shall be given to the County Superintendent of Highways at his office in Belmont, New York.”

On all “applied” work the bidder shall conform to Section 220 of the New York State Prevailing Wage Rates for Allegany County, New York as provided by the New York State Department of Labor, as contained in this proposal. The supplier shall maintain appropriate payroll records on each employee and file a certified payroll weekly. Each payroll record must be affirmed as true under the penalties of perjury, which means a notarized signature to that effect. If during the period of contract the low bidder is cited by the NYS Department of Labor for a willful violation of the laws and regulations applicable to the bidding process, pricing policies, or in any way applicable to the services or supplies rendered pursuant to this contract, the County shall have the option to be deem the Bidder/Contractor irresponsible and any other work will be awarded to the next low bidder and the original bidder will be charged for the difference in bid price.

The bid prices quoted here shall remain in effect from the bid award date through April 30, 2019. The County reserves the right to extend this contract, upon mutual agreement with the successful bidder, for three (3) additional one-year periods.

The successful bidder shall extend these prices to any municipality in New York State if mutually agreed upon by both parties.

BID SHEET
COLD IN-PLACE RECYCLED ASPHALT PAVEMENT/BITUMINOUS SEAL

UNIT PRICE

1	Price per Square Yard under 5,000 s.y. @ 1" to 3" depth	\$ _____
2	Price for each additional inch over 3" depth	\$ _____
3	Price per Square Yard 5,000 – 10,000 s.y. @ 1" to 3" depth	\$ _____
4	Price for each additional inch over 3" depth	\$ _____
5	Price per Square Yard Over 10,000 s.y. @ 1" to 3" depth	\$ _____
6	Price for each additional inch over 3" depth	\$ _____
7	Price per ton of additional aggregate	\$ _____
8	702-3301 HFMS-2GH per gallon (meeting attached spec.)	\$ _____
9	702-3301 HFMS-2P per gallon (meeting attached spec.)	\$ _____
10	HFRA per gallon (meeting attached spec.)	\$ _____
11	Price per square yard for maintenance and protection of traffic	\$ _____
12	Price per ton for aggregate purchased and delivered to spreader box	\$ _____
13	Price Per Square Yard for in-place bituminous seal coat	\$ _____
14	Price per gallon for item 702-3301/HFMS-2GH at an applied rate of 0.40 gallons/sq. yd.	\$ _____

Name of Bidder: _____

Address: _____

Plant Location: _____

Telephone: _____ Fax: _____

Authorized Signature: _____

Title: _____ Date: _____