

COUNTY OF ROCKLAND
Department of General Services
Purchasing Division

Contract Award Notification

Title: **Asphalt Stamping**

Contract Period: October 1, 2020 through September 30/2022

Original Date of Issue: 10/01/2020

Date of Revision: 08/30/2021

BID No: RFB-RC-2020-032

PREVAILING WAGE: 2020002799 (Article 8 – Certified Payroll required)

Catalog: Highway

Authorized Users: County Agencies, All Political Subdivisions

Address Inquires To:

Name: Robert Poole
Title: Purchaser I
Phone: 845-364-3808
Fax: 845-364-3809
E-mail: pooler@co.rockland.ny.us

Description

This contract is for Asphalt Stamping.

Contract #	Vendor Number	Contractor & Address	Telephone No.
BID 20-032	0000025087	Yonkers Paving Concepts Inc. 1767 Central Park Avenue Suite 106 Yonkers, NY 10710 Contact: Ron Belizze Info@yonkerspaving.com	914-699-7800 FAX: 914-699-7300

COUNTY OF ROCKLAND
 DGS – PURCHASING DEPARTMENT
 BLDG. A, 2ND FLOOR, 50 SANATORIUM ROAD
 POMONA, NY 10970
 TELEPHONE NO.: 845-364-3820
 FAX NO.: 845-364-3809

YONKERS PAVING
 CONCEPTS INC

ANALYSIS					Yonkers Paving						
LINE NO.	DESCRIPTION	ITEM NUMBER	EST. QTY.	UNIT	UNIT PRICE	EXTENDED PRICE					
1	Provide Stamped Asphalt (Cost per square foot) 0 S.F to 4,999 S.F.	74500000001	4,999	SQ./FT.	\$18.76	\$93,781.24					
2	Provide Stamped Asphalt (Cost per square foot) 5,000 S.F to 9,999 S.F.	74500000002	9,999	SQ./FT.	\$15.95	\$159,484.05					
3	Provide Stamped Asphalt (Cost per square foot) 10,000 S.F to 14,999 S.F.	74500000003	14999	SQ./FT.	\$15.95	\$239,234.05					
4	Provide Stamped Asphalt (Cost per square foot) 15,000 S.F to 19,999 S.F.	74500000004	19999	SQ./FT.	\$13.75	\$274,986.25					
5	Provide Stamped Asphalt (Cost per square foot) 20,000 S.F. and above	74500000005	20,000	SQ./FT.	\$12.50	\$250,000.00					
6	Indicate Standard Delivery after Receipt of Purchase Order			DAYS	# of Days ARO						
					20						
7	Total Lines 1 through 5			TOTAL		\$1,017,485.59					

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GENERAL SPECIFICATIONS

1. SCOPE

- 1.1. The County of Rockland wishes to establish an annual contract to furnish asphalt with stamping capabilities on an as needed basis as detailed in the specifications for various locations throughout the County. Prices quoted per SQ./FT. shall include all: labor, supplies, supervision, equipment, traffic control and site cleanup.

2. SITE VISIT

- 2.1. Site Visits and Inspections can be scheduled by calling Mr. Andrew Connors P.E. Deputy Superintendent of Highways at (845) 638-5053.

3. EXPERIENCE

- 3.1. Contractor shall have a minimum of three (3) years of experience in the asphalt stamping and servicing of commercial and industrial application similar in size and scope to the work specified herein.
- 3.2. Contractor shall submit with their Bid a list of three accounts (including contact person and telephone number) for which they are presently performing this type of work specified in this bid.

4. QUALIFICATIONS OF CONTRACTORS

- 4.1. The bidder shall show that he has available under his direct employment and supervision the necessary organization and facilities to properly fulfill all the services and conditions required under these specifications.
- 4.2. The contractor shall show that he has maintained an organization capable of performing the work specified herein, and that said organization has been in continuous operation for at least the past three years. Contractor shall submit the following information with bid:
 - 4.2.1. Years of operation.
 - 4.2.2. The names of the employees in the area responsible for this contract, their function in the company, title, and number of years of service with the contractor's firm.
 - 4.2.3. The present address of the main operating office of this organization.
 - 4.2.4. Documentation indicating technical personal experience (see qualification of contractor's form).

5. EQUIPMENT

The Contractor is responsible for providing all equipment necessary to efficiently perform all work in a professional and workmanlike manner. The Certificate of Equipment (a part of these Bid Specifications) must be completed and included with the Bid submittal see page 32.

6. QUALITY

- 6.1. All work shall be performed in accordance with good trade practice by individuals possessing the necessary skills and abilities required.

7. PAYMENT

- 7.1. Detailed description of all completed work must accompany all invoices.

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- 7.2. Detail billings must be received by the County of Rockland within fifteen days after completion of each repair.
- 7.3. The Contractor's invoice must list specifically the type of work performed (preventative maintenance or service), quantity of material utilized, and the number of man-hours worked. The Contractor's charges must correspond to the rates, which he supplied with the Bid. The Contractor agrees and hereby certifies that all labor charges contained in the invoices submitted to the County of Rockland shall be only those that are required and necessary to complete the required work.
- 7.4. This contract is subject to **New York State Labor Law 220, Article 8 Prevailing wages**. The Contractor shall submit with, each invoice, certified payrolls for all labor. Submission of Certified Payroll with invoice is a condition of payment.

8. LAWS, PERMITS, AND LICENSES

- 8.1. Contractor shall comply with all applicable Federal, State and Municipal Laws and as required, to perform all work as specified.
- 8.2. Contractor shall possess all qualifications and obtain any required licenses and permits to perform the work specified. Proof of these items shall be provided to the Director of Purchasing with Bid.

9. SAFETY

- 9.1 Contractor shall adhere to all OSHA requirements, and County of Rockland safety rules while the work is in progress. Contractor is responsible for any damage to vehicles, property or structures resulting from the Contractor's negligence.
- 9.2 Contractor shall maintain the work site in a clean and orderly fashion. All debris shall be cleaned and removed from the work site each day.

10. USE OF PREMISES

- 10.1 On or about the premises and adjacent areas, the Contractor shall ensure that all apparatus, storage of materials, and activities of workmen be confined to the limits indicated by law, ordinances, permits and the direction of the authorized County of Rockland representative, and shall not encumber or permit the premises or adjacent areas to be encumbered with such materials or apparatus.
- 10.2 The work site shall be kept in an orderly and safe fashion so as not to interfere with the progress of the work or the work of any other Contractor.
- 10.3 The Contractor shall be responsible for repairing and replacing anything damaged by his operations, within thirty (30) days after notification by the authorized County of Rockland representative that damage has occurred.
- 10.3.1 **It will be the responsibility of the Contractor to report, to the authorized County of Rockland representative, any damages found prior to any work at the site.**

11. ADDITIONAL ITEMS

- 11.1 If the Contractor expects to incur any additional costs not specified in the above paragraphs, he must submit a list of those items and corresponding charges or schedule with his bid. There will be no additional charge for delivery or mileage. No other costs except those placed in the bid proposal at the time the bid is submitted shall be evaluated, considered, or deemed acceptable charges by the County of

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Rockland. The Contractor further agrees that should it be determined by the County of Rockland that the Contractor is falsifying his invoices or partaking in fraudulent practices to reflect higher costs than incurred in the repair, this falsification of fraudulent practice shall be considered a material breach of the terms of the contract. Nothing herein shall be considered to limit the authority of the County of Rockland to prosecute any bidder or Contractor who violates the laws of the State of New York.

12. CONTRACT PRICE ADJUSTMENTS UPON RENEWAL

12.1 The bid rates shall remain firm through the first contract period with no wage adjustments allowed. If the County exercises any of the option years of the award, Contractors may submit a request for adjustment on the yearly anniversary date of the contract. Any request for price adjustment(s) shall be submitted thirty (30) days in advance in writing to the Director of Purchasing. All price adjustments will be limited to the percentage increase in the CPI Index - All Urban Consumers for the preceding 12 months. The County reserves the right to reject any request for price increase deemed excessive.

12.2 CPI-Index - Consumer Price Index for All Urban Consumers as published by the Bureau of Labor Statistics of the United States Department of Labor or a successor or substitute index, appropriately adjusted.

13. AWARD

13.1 Award shall be made to the lowest responsive, responsible bidder meeting the stated requirements of this bid.

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DETAILED SPECIFICATIONS

14. ASPHALT STAMPING

14.1 Hot Mix Asphalt (HMA)

14.1.1 New asphalt shall be placed to meet local required specifications. Compaction density shall be met prior to applying the asphalt stamps. Existing Asphalt shall contain sufficient surface binder (asphalt cement) to allow a pliable surface when heated.

14.2 Stamping of Asphalt

14.2.1 Using flexible templates, (3/8" cable or 1/4" plastic) stamp the pattern into asphalt using a vibrating plate compactor. Stamping can be performed on a freshly placed asphalt surface when asphalt is still pliable or into an existing asphalt surface. An existing asphalt surface shall be heated using an infrared heating apparatus insuring not to heat the surface above 325 Degrees Fahrenheit (163 degrees Celsius).

14.2.2 **Use slow cycled heat to ensure the surface does not burn. The surface should be heated to a depth of at least 3/4" to ensure compaction (not crushing of the aggregate) below the stamping tool.**

15. COATING COMPOSITION AND PERFORMANCE CHARACTERISTICS

15.1 This section covers the composition, handling, and application characteristics for the Stamped Asphalt Coating System. Coatings used with this surfacing system must meet the minimum characteristic and performance properties described below:

15.1.1 Asphalt Coating (Tint Base)

15.1.2 See Tables 1 and 2

15.1.3 Liquid Tint (Coloring System)

15.1.3.1 The coloring system "Liquid tint" shall consist of no less than 95% pure inorganic iron oxide pigments in a water base liquid carrier. Pigment particle size (fineness) shall pass 95% minus 325 mesh. Liquid tint must be alkali resistant, water insoluble, inert, light resistant, inorganic and lime-proof.

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Material Composition and Application Characteristics

Table: 1

Characteristics	Requirement
ASTM D2369 % Solids by weight	> 76%
ASTM D26297 % Solids by volume	> 55.5%
Weight per gallon	13.9 lbs/gal
% non-reactive fillers	< 40%
Boiling Range	147° - 477°F
Vapor Density	Heavier than air
Flashpoint ASTM D 3278	>201°F
Flashpoint ASTM D 3278	>201°F
Hazardous Ingredients	none
Mix Ratio (Coating : LiquidTint) gal/pints	5gal : 1pint
Dry mil thickness per coat	10 to 15 mils

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Performance Requirements

Table: 2

Test	Requirement
Dry Time (to re-coat) @ 50°F (10°C).....	120 min
Dry Time (to re-coat) @ 90°F (32°C).....	30 min
85% Cure (to permit traffic) @ 50°F (10°C).....	8 to 10 hours
85% Cure (to permit traffic) @ 90°F (32°C).....	4 to 6 hours
Gloss: ASTM D523 (60° Gardner).....	2.5
Hardness: ASTM D3363	3H pencil
ASTM 2486 Gasoline Scrub Resistance..... To 50% of coating thickness (30 mils).....	>5000 cycles to max loss of 50% coating thickness
ASTM 2486 Motor Oil Scrub Resistance..... To 50% of coating thickness (30 mils).....	>5000 cycles to max loss of 50% coating thickness
Temp. limits for service (of cured material)	-35°F to 145°F
ASTM G-155 Color Stability..... QUV 2,000 hrs (CIE units).....	Old Brick Color ΔE < .5
Pedestrian Friction ASTM E303 British Pendulum.....	88 BPN Dry 72 BPN Wet
Mandrel Bend Test ASTM D522.....	>3/16" Pass
Water Absorption ASTM D570 7day.....	<9%
VOC Content ASTM D3960.....	<19 grams/liter
Taber Abrasion Dry H-10 ASTM D4060 1day cure.....	.17g/1000 cycles
Taber Abrasion Wet H-10 ASTM D4060 7day cure.....	.43g/1000 cycles
Adhesion to Asphalt ASTM D4541 >245 lb./sq.in.....	Asphalt Cohesive Failure

16. DELIVERY, STORAGE, AND HANDLING

16.1 Packaging and Labeling

16.1.1 All coating products shall be packed in standard closed containers. Each container of separately packaged component shall be clearly and durably labeled to indicate the date of manufacture, manufacturer's batch number, quantity, color, component identification and designated name or formula specification number together with special instructions.

16.1.2 Delivery, Storage, and Handling

16.1.2.1 Coating products shall be delivered to the site in sealed containers that plainly show the designated name, batch number, color, date of manufacturer and name of the manufacturer. The storing of the material shall be in an enclosed area out of direct sunlight in a warm, ventilated, and dry area at room temperature. Coating must not be allowed to freeze. Care shall be taken in

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handling coating containers to prevent puncture, inappropriate opening, or other action, which may lead to product contamination. No materials that are past the manufacturer's recommended shelf life shall be used without the approval of the coating manufacturer.

17. SURFACE PREPARATION

17.1 Cleaning

17.1.1 Broom cleaning shall be done by using a mechanical broom cleaning device or stiff bristle hand broom. Scrape and blow fine sand and debris off surface. Pressure washing may be necessary to remove bonded debris. Use a non-solvent base degreaser to remove stains. Spray degreaser on stained areas and let stand for 15 minutes. Using a stiff broom or brush, agitate the stained area to remove stain and rinse with water. Repeat the procedure on severe stains, thoroughly rinse the area and let dry for 24 hours.

17.2 Repair Damaged Asphalt

17.2.1 Damaged and cracked asphalt shall be repaired by heating damaged area until asphalt cement is in liquid state (ensuring asphalt does not exceed 375 Degrees Fahrenheit. Turning over and mixing in new fresh asphalt as necessary to ensure repair is level with adjacent area. An Infrared type heating tool is recommended for this procedure.

17.3 Preparation of New Asphalt

17.3.1 New asphalt surfaces shall be allowed to traffic for 30 days prior to heating and stamping. This will allow surface oils to be removed. Asphalt mix design shall be specified by a qualified Pavement Engineer and shall be designed for the purpose of the application.

18. COATING APPLICATION

18.1 Environmental Conditions

18.1.1 Surfaces should be dry for at least 24 hours prior to applying stamped asphalt coatings. 50 Degrees Fahrenheit and rising is the recommended minimum air and surface temperature. The temperature of the asphalt surface must be at least 5 Degrees Fahrenheit above the dew point temperature during and after applying coating. The application of the coating must be completed for at least two hours before sunset to allow for a proper cure.

18.2 Masking

18.2.1 Mask all adjacent areas using paint-grade masking tape. Use duct tape on concrete and asphalt surfaces. Building paper extended a minimum of 48 inches beyond the edge of coated areas are required to prevent over-spray of coating onto adjacent areas.

18.3 Spray Equipment

18.3.1 Spray texture gun (Graco RTX1500 TexSprayer).

18.3.2 Or Benron "EZ-TEX DX" sprayers.

18.3.3 The coating manufacturer shall approve spray gun settings and alternative spray equipment.

18.4 Mixing Base Coat

18.4.1 Contractor shall follow latest mixing techniques provided by the manufacturer.

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19. COATING THICKNESS

19.1 Standard Thickness

19.1.1 The applied thickness of the coating shall be determined according to the application noted in Table 3. The owner may specify that a greater thickness is desired.

Required Film Thickness for Vehicle Traffic

Table: 5

Application	Film Thickness
Prime Coat where applicable	5 wet mils (1 dry mil)
First coat	22 wet mils (15 dry mils)
Second coat	22 wet mils (15 dry mils)
Third coat	22 wet mils (15 dry mils)
Fourth coat were necessary.....	22 wet mils (15 dry mil)

20. APPLICATOR TRAINING

20.1 The applicator shall be approved by the manufacturer for the application being applied. The applicator shall have a lead personnel on the project that has been trained by the manufacturer at least 12 months of starting the project. At least one of these trained personnel shall be on-site at all times during the project.

21. SAMPLES AND MOCK-UPS

21.1 Samples shall be provided to the owner (or owners representative) for approval prior to tenderbclosing. Samples shall display the following:

- 21.1.1 Brick or Stone Pattern.
- 21.1.2 Brick or Stone Color.
- 21.1.3 Variations of the above if requested.

21.2 Coating samples and mockups are to be applied to an asphalt surface covering an area of no less than that of 96" X 96" area.

21.3 Approval of color and pattern to be provided in writing to the bidding contractor no less than 7 days prior to bid closing. Approved samples and mockups to be held by the owner for future on-site verification.

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22. FIELD QUALITY CONTROL

22.1 **The contractor for work under this section shall maintain a quality control program specifically verifying compliance to these specifications. A daily log shall be kept making a record of all actions in the field. This log shall include the following:**

- 22.1.1 Surface preparation - start date and time.
- 22.1.2 Photos of surface prior to start of preparation.
- 22.1.3 Close-up photos of crack repairs (before and after) application.
- 22.1.4 Ambient temperature - start and end of each day.
- 22.1.5 Relative humidity - start and end of each day.
- 22.1.6 Substrate surface temperature - start and end of each day.
- 22.1.7 Photos of surface after application of each coat.

22.2 **NOTE:** On projects larger than 1,000 square feet, break the project into areas of approximately 1,000 square feet for the purpose of photo taking and record keeping. These areas should be numbered and recorded on the scaled drawing.

23. DRY FILM THICKNESS

- 23.1 The dry film thickness shall be confirmed by the owner (or owner's representative) on-site, during the application process.
- 23.2 **METHOD:** 2"x 4" lengths of duct- tape (or 2" x 4" thin plastic, glass, or metal plates) shall be secured to the substrate that will receive the coating. The tape will be randomly placed averaging one tape per 300 SQ.FT. These tapes shall be pre-marked (on the adhesive side) with location matching the marked, scaled drawing. The tape shall be removed within 1 hour after the final coat has been applied. These samples shall be kept by the owner (or owner's representative) for future verification of dry film thickness (if verification becomes necessary).