<table>
<thead>
<tr>
<th>CONTRACT AWARD</th>
<th>RES. NO. 2020-448</th>
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<tbody>
<tr>
<td>CK09MERCER2020-14 ONE (1) OIL JACKETED HOTPOUR CRACK SEALER MELTER APPLICATOR</td>
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<tr>
<td>WITH AIR COMPRESSOR AND HEATED HOSE OR EQUIVALENT FOR USE BY HIGHWAY</td>
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**BID OPENING DATE:** JULY 14, 2020

<table>
<thead>
<tr>
<th>CONTRACT TERM: AUGUST 25, 2020 THROUGH AUGUST 25, 2021</th>
<th>NAME OF BIDDER PMG SM PA LLC DBA SEALMASTER</th>
</tr>
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<tbody>
<tr>
<td>ADDRESS 6853 RUPPSVILLE ROAD</td>
<td>CITY, STATE, ZIP ALLENTOWN, PA 18106</td>
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<tr>
<td>CONTACT DARREL STEIN</td>
<td>TELEPHONE 610 530 8788</td>
</tr>
<tr>
<td>FAX 610 530 8792</td>
<td>E-MAIL <a href="mailto:SEalmaster.sean@verizon.net">SEalmaster.sean@verizon.net</a></td>
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<tr>
<td>UNIT COST FOR ONE (1) OIL JACKETED HOTPOUR CRACK SEALER</td>
<td>$ 80,823.00</td>
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<tr>
<td>MANUFACTURER SEALMASTER</td>
<td>MODEL CRACK PRO 260DA</td>
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<tr>
<td>YEAR 2020</td>
<td>DELIVERY DATE 60 DAYS OF PO/APPROVAL</td>
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AWARD OF BID RECEIVED JULY 14, 2020 FROM PMG SM PA, LLC DBA SEALMASTER FOR ONE (1) OIL JACKETED HOT POUR CRACK SEALER MELTER APPLICATOR WITH AIR COMPRESSOR AND HEATED HOSE FOR THE MERCER COUNTY HIGHWAY DIVISION AND THE MERCER COUNTY COOPERATIVE CONTRACT PURCHASING SYSTEM. PERIOD: AUGUST 24, 2020 THROUGH AUGUST 25, 2021. TOTAL AMOUNT NOT TO EXCEED $80,823.00 (CK09MERCER2020-14)

WHEREAS, the Mercer County Purchasing Department has advertised for bids for one (1) Oil Jacketed Hot Pour Crack Sealer Melter Applicator with Air Compressor and Heated Hose for use by the Mercer County Highway Division and the Mercer County Cooperative Contract Purchasing System, for a period of one (1) year, as authorized by Resolution No. 2018-89, adopted February 8, 2018; and,

WHEREAS, three (3) sealed bids were received on July 14, 2020 in connection with the aforementioned procurement; and,

WHEREAS, the two low bidders, Crafo, Inc., and Patch Management Inc., provided exceptions to the specifications and the County does not accept these exceptions, therefore the bids received by both Crafo, Inc., and Patch Management Inc., are hereby rejected; and,

Clerk to the Board

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X—Indicates Vote  Abs.—Absent  N.V.—Not Voting  Res.—Resolution Moved  Sec.—Resolution Seconded
WHEREAS, the bidder hereinafter designated is the lowest qualified bidder; and,

WHEREAS, the bid received from PMG SM PA LLC, DBA SEALMASTER, 6853 Ruppsville Road, Allentown, PA, 18106, meets the specifications and shall be awarded for one Oil Jacketed Hot Pour Crack Sealer Melter Applicator with Air Compressor and Heated Hose for use by the Mercer County Highway Division for the period of August 24, 2020 through August 25, 2021, in an amount not to exceed $80,823.00, as follows:

WHEREAS, the Chief Financial Officer of Mercer County has certified in writing the availability of funds for the purposes set forth in this Resolution; said certification is on file with the Clerk to the Board, now, therefore,

BE IT RESOLVED, that the County Executive and Clerk to the Board be and are hereby authorized to execute said contracts when presented in a form approved by County Counsel; and,

BE IT FURTHER RESOLVED, that the Clerk to the Board shall forward a copy of this Resolution to the Mercer County Department of Transportation and Infrastructure, Highway Division, and the Mercer County Purchasing Department for further distribution.

[Signature]
Clerk to the Board
SPECIFICATIONS FOR ONE (1) OIL JACKETED HOT POUR CRACK SEALER MELTER APPLICATOR WITH AIR COMPRESSOR AND HEATED HOSE FOR USE BY HIGHWAY FOR A PERIOD OF ONE (1) YEAR

INTENT
The County of Mercer requests bids for One (1) Oil Jacketed Hot Pour Crack Sealer Melter Applicator with Air Compressor and Heated Hose or Equivalent for use by Highway. The County requests the bid price to be held for one year. Bids shall be for new, current year production equipment. Demonstrator, used or lessor model equipment will not be accepted. All references to brand name shall be interpreted as brand name or equivalent. All questions shall be directed to the department of Purchasing; please email all questions to smceachern@mercercounty.org by March 9th, 2020.

EXCEPTIONS
If bidding an equivalent manufacturer, provide the manufacturer’s published literature and list all exceptions with descriptions of each exception.

A certificate of origin will be provided with the equipment upon delivery. Any questions regarding the bid must be directed to purchasing.

Upon delivery, vendors must provide set-up, operating training by an authorized manufacturer’s representative and two sets of training manuals. All equipment shall include standard safety features.

As this is a cooperative bid, the awarded vendor(s) may provide the equipment herein bid upon to local governmental contracting units located within the County of Mercer without substitution or deviation from specifications, size, features, quality, price or availability as herein set forth. It is understood that orders will be placed directly by the contracting units, subject to the terms of the contract to be awarded by the County of Mercer, and that no additional service or delivery charges will be allowed. References to brand names shall be interpreted as brand or equivalent.

All equipment shall be delivered F.O.B destination with delivery charge included, within 60 days from receipt of purchase order. All equipment shall be delivered as stated above with to the Mercer County Highway Division at 300 Scotch Road, West Trenton, NJ 08628.

WARRANTY
The awarded vendor shall provide the warranty as stated in the specifications.

AWARDED CONTRACTOR SHALL PROVIDE OPERATING TRAINING BY AN AUTHORIZED MANUFACTURER’S REPRESENTATIVE UPON DELIVERY OF EQUIPMENT. VENDORS MUST SPECIFY THE MANUFACTURER’S CUT-OFF DATE.

VENDOR WILL HOLD PRICING FIRM FOR ONE YEAR
YES ☐  NO ☐
BID SPECIFICATIONS

ONE (1) OIL JACKETED HOT POUR CRACK SEALER MELTER APPLICATOR WITH AIR COMPRESSOR AND HEATED HOSE
FOR USE BY HIGHWAY

GENERAL EQUIPMENT SPECIFICATION

It is the purpose of this specification to describe the desired equipment, material and customer support needed to meet the outlined Mercer County Crack Sealing Program needs. The provided equipment should consist of a trailer mounted diesel powered, double boiler type, Hot Pour Crack melter applicator that is specifically designed for and shall be capable of heating and applying all grades of asphalt rubber sealant, fiber modified asphalt sealant and specification joint sealant without further equipment modification. The unit shall be capable of starting at ambient temperature and heating all types of crack sealants up to application temperature within 40 minutes or less.

The melter applicator will include all necessary equipment and be ready to use. Any items deleted, or variations from the manufacturer’s regular published specifications must be outlined in a clarification letter.

The melter applicator will when loaded to maximum capacity, and ready for operation including full of fuel, the unit will not exceed the manufacturer’s weight of the vehicle at any tire or axle position.

The melter applicator is to include all standard equipment and accessories as advertised, unless otherwise specified.

The melter applicator will meet all State and Federal regulations and standards in effect at the time of Manufacture for safety, health, noise, and lighting of the trailer.

Referenced Standards

Certain ISO, SEA, and other consensus standards may be referenced in the specification. Unless otherwise specified, the latest version of each standard is to be understood. Such standards applying to these specifications whether or not they are required by statutes or the administrative law.

Component Selection

All components and accessories cataloged as standard, unless superseded by these specifications, shall be provided with all melter applicators, designed for general highway and road crack sealing.
Documentation Required

A basic manufacturer’s current production product brochure for the melter applicator is to be provided

Comply: Yes____ No____

Exceptions:_________________________________________________________________
_________________________________________________________________________

Melter Applicator Engine

- One engine to provide power for the Asphalt Pump, Mixer, Heating System, Air Compressor and AC Alternator for the heated hose or hoses.
- Tier 4 Compliant, 1.5 Liter Diesel Engine not to exceed a 24HP Rating
- Starting aid: Grid Heater or Glow Plugs
- Battery: 12 Volt, Heavy Duty Battery with a minimum of 600 Cold Cranking amps
- Fuel System: will supply fuel to the Diesel Engine & heating System. A minimum 25 gallon fuel tank, sight level gauge, shut-off valve & filter
- Exhaust System: will meet OSHA requirements
- Hour Meter: activated when engine is running
- Generator & Gauges: generator adequately sized to the operating system that will include a AC Gauge & AC controlled thermostat that will prevent hose overheating & equipment failure.
- Engine & Radiator Mounting: Rubber vibration mounts

Comply: Yes____ No____

Exceptions:_________________________________________________________________
_________________________________________________________________________

Melter Applicator Material Tank

- Minimum 260 gallon tank capacity
- Steel Construction: minimum (7) gauge (0.179 inch thick)
- Loading Door shall be located curb side and angled with an anti-splash loading lid with loading height not to exceed 48 inches having a minimum of a 16" x 24" opening.

Comply: Yes____ No____
Exceptions:________________________________________________________

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**Melter Applicator Heat Transfer Oil Tank**

- Double Boiler Style (Jacketed)
- Transfer Oil Tank will be constructed of 3/16" steel and have not more than 38 Gallon Heat Transfer Oil Capacity.
- Unit will come standard with ISO Grade 68 Heat Transfer Oil.
- Steel Construction: (7) Gauge steel tank with 1.5" Ceramic Insulation to include a sealed expansion tank with down tube overflow that drains HOT material away from the operators.
- Outer Steel Skin of not less than (16) Gauge.

Comply: Yes_____ No_____

Exceptions:________________________________________________________

-----------------------------------------------

**Melter Application Heating System**

- Burner Size: Minimum of 372,000 BTU for fast heat-up & recovery times.
- Burner Type: Diesel fired forced air
- Minimum 2100 lb melt rate/hour

Comply: Yes_____ No_____

Exceptions:________________________________________________________

-----------------------------------------------

**Melter Applicator Ignition & Temperature Control**

- Automatic Ignition & shutdown via High Voltage Transformer
- Sensor activated Burner Monitor
- Thermostatic control to include both pumping & mixing lock outs for safe, quicker, easier start up and shutdown.
- Control Panel to be located rear and curbside of unit in a weather proof control box.
- Separate Digital Style temperature controls for the Transfer Oil, Material & Hose Heat allowing for independent monitoring of all functions. Interlock system automatically allows for the engagement of the agitation & pump, independently, at safe operating conditions.
- All digital, not LCD readouts
- Safety Shutdown at 575° F

Comply:  Yes_____  No_____

Exceptions:__________________________________________________________

__________________________________________________________

**Melter Applicator Hydraulic Drive & Control**
- Single Hydraulic "On Demand" Pump providing constant flow through an electrical solenoid manifold block allowing independent flow control for the agitator and the material pump.
- The system must allow back flow of Material back into the tank & Bi-directional mixing.
- Variable Speed control in either direction for the Agitator & Pump.
- Pump Valves to be switch controlled from the curbside of the machine and directly on the applicator wand.
- Hydraulic Tank Capacity at 30 Gallons with a Sight Gauge, Cap & Filter.

Comply:  Yes_____  No_____

Exceptions:__________________________________________________________

__________________________________________________________

**Melter Applicator Material Agitation**
- Full Sweep Vertical Agitator with two opposing paddles with upswept ends.
- Agitator drive motor connects directly to the agitator Shaft.
- Agitator rotation will be bi-directional with either direction being the choice of the operator.
- Agitator will have material temperature lockouts to protect from premature operation.
- Automatic Shut Off feature required when the Material Access Lid has been opened.

Comply:  Yes_____  No_____

Exceptions:__________________________________________________________

__________________________________________________________
**Melter Applicator Pumping Unit**

- Bi-directional, variable speed pump with no one direction default.
- Material Pump is to be hydraulically driven & controlled. It is to be located inside a heated, insulated chamber. No submerged or continuous run pumps will be considered.
- All piping & valves are located outside of the tank and inside a heated, insulated chamber.
- Valve Handles are on the outside of the chamber wall.
- There is a means to recirculate material through the hose and back into the tank while stored for transit.
- Pump must be protected with a screen covering the inlet to the pump.
- The Pump must be an "On Demand" pump activated by a convenient switch control on the wand.

Comply: Yes____ No____

Exceptions:______________________________________________________________________________
______________________________________________________________________________
______________________________________________________________________________

**Melter Applicator Sealant Hose & Applicator Wand**

- Hose to be heated electrically via a belt driven 2000 Watt Generator off the front pulley of the Diesel engine. Hose will also incorporate a floating ground to avoid electrical hazard during use and a gauge located on the control panel.
- The Hose shall have a Teflon inner Tube 3/4 (0.75) inch inside diameter, covered by a stainless steel Braid, insulation and an outside abrasive resistant material cover that is high visibility optic yellow and that will also contain the material in the event of a burst surrounded by yellow plastic loom.
- Burst Pressure should be a minimum of 4100 psi
- There will be a 360° swivel connector between the hose and the pump
- The hose will need to be a minimum of 22 ft in length for maximum reach
- The Heated Hose will be able to flow 10 Gallons per minute and be electrically heated to 350 degrees.
- The Wand shall hold the Material hose and have a 360' live swivel between the applicator tip and the heated hose.
- The electric heating in hose shall run the full length, Melter to wand Tip.
- The wand will have an operator safety horn communication system activated by a convenient thumb operated trigger.
• The wand will utilize convenient and easy to use finger triggers for both the horn and material feed.
• The wand triggers must be configured so the material feed control and communication horn wirelessly communicate with the machine for fast, convenient and maximum efficiency while preventing wire wrap damage.

Comply: Yes_____ No_____
Exceptions:___________________________________________________________________
______________________________________________________________________________

Melter Applicator Hose Boom
• The Boom shall be mounted via dual bearings at the center rear of the machine and shall swing completely around until it meets its locking stop.

• The hose boom shall be constructed with a counter balanced, free floating frame to eliminate all hose weight to the operator and prevent material hose drag damage.
• The boom is to have a soft sleeve as to which the material hose exits the boom eliminating a head bump hazard.

Comply: Yes_____ No_____
Exceptions:___________________________________________________________________
______________________________________________________________________________

Melter Applicator Air Compressor
• 70 CFM Rating @ 100 minimum PSI Rotary Vane Style Air Compressor directly coupled to the diesel engine, oil cooler, gauges & controls featuring an automatic "unloader" upon shutdown of engine.

• Spring Retractable Hose Reel with 100Ft of non-conductive hose measuring 5/8 dia.
• High Output Aluminum Air Wand with & Brass Ball Valve Control allowing greater than 80% generated CFM pass through.
Melter Applicator Trailer

- Unit will be trailer-mounted and capable of being towed at a safe highway speed.
- Dual axle unit required for proper weight management, ride and maneuverability. Total 8,000lb Rating.
- The frame shall include minimum 12 gauge, flat horizontal surface steel platform as a base for the melter applicator to be built upon.
- Fenders are to each have a flat, horizontal 850 square inch work surface, 12 gauge steel to facilitate a space for the tool box and stage loading of material blocks of up to 600Lbs of weight capacity each.
- The unit shall include electric brakes with breakaway switch and battery for power.
- Radial tires will be not smaller than a D-Rated 225/75/15 inch tire with steel wheel.
- The unit shall be equipped with an independent rubber torsion axle system to reduce maintenance and provide a low overall center of gravity for best towing stability.
- The unit to include a 3 inch inside diameter towing ring (pintle hitch) that’s adjustable height from 12 to 26 inches.
- The unit to include two (2) safety chains with spring lock hooks minimum.
- The unit to include a swing-away 5,000 pound adjustable screw jack.
- The unit to include and conform to Federal FMVSS specification #108 for all lighting (stop, turn, tail, license plate light, and clearance lights).
- Electrical connection at the front of the trailer to be a seven (7) way flat poly/glass socket.
- The unit to have wire sealed in conduit and harness.

Comply:  Yes_____  No_____

Exceptions: ________________________________________________

__________________________________________________________

__________________________________________________________
Melter Applicator Required Safety Features

- The unit to include a Heated Hose equipped with an automatic Shut-Off feature that will stop the flow of material in the event the handle is released or dropped.
- The unit to include a pumping system to be outside of the material tank that will allow the service of the pump without the service person climbing or reaching into the confined space of the tank.
- The unit to include a safety Shut-Off feature to automatically stop the agitator when the lid is opened to allow viewing of the material or when loading.
- The unit to include a low temperature lock out and all digital controls to allow one button start up that won’t run the material pump until the unit is up to temperature.
- The unit to include a Hose Boom that keeps the hose over seventy-five (75) inches high to keep the operator safely away from the hose while using the equipment.
- Unit to include a hose and wand carrier that offers a heated applicator holder to allow safe storage of the wand and hose while in transit, and aid in shorting heat up.
- Unit to include an automatic Shut-Off diesel burner in the event of loss of fire the service to the burner shall be unobstructed by fuel and hydraulic tanks.
- Unit to include a Shut-Off for the power to the Air-Compressor to allow the melter to be used without powering the air-compressor when not in use.
- Unit to include a trigger activated horn for machine operator to towing vehicle communication.
- Unit shall include Safety Goggles, Gloves & Fire Extinguisher.

Comply: Yes_____ No_____

Exceptions:___________________________________________________________________
______________________________________________________________________________
**Melter Applicator Tools & Accessories**

- Unit shall include for application a 3" Disc, 5" Disc, Square Shoe & Curb Sealing attachment.
- Unit to include a toolbox to stow application items, trouble-shooting tools and accessories.
- Unit shall include Air Hose Assist Arm with universal swivel attachment devise to hold the Air Hose 72" off of the ground to ease operator use off of the front of the tow vehicle.

Comply: Yes____ No____

Exceptions:___________________________________________________________________
______________________________________________________________________________

**Melter Applicator Training**

- Purchase to include a minimum of 8hrs Live, on-site, work with training at ownership onset and at any requested time to refresh training to promote safe and efficient use.

Comply: Yes____ No____

Exceptions:___________________________________________________________________
______________________________________________________________________________

**Material Supply**

- Hot Melt, Rubberized Joint Sealant Material to meet ASTM D-3405 & ASTM D6690 Type 2 & 3.
- Material to be delivered on an as needed, on demand basis within 24-hour window or less.
- Material delivery must be a minimum of 7200 Lbs. and no more than 3 pallets at a time.
- Manufacturer to provide crack sealing equipment safety inspection and operational check with each material delivery.

- Individual material block weight should not exceed 25Lbs for easy loading.
- Material to be packaged in a protective container preventing pallet collapse & embedding of contaminates.
• Packaging material must be recyclable.

• Upon request, excess material, in its original unopened packing will be picked up and fully credited, including partial pallet quantities.

• Supplier to have a company location within 40 Miles for re-supply pick-up (if desired) and reserve rental/loaner unit on site.

• Manufacturer Spec & MSDS Sheets to be submitted with Bid.

• Manufacturer Spec sheet to detail surface temperature bond & extension performance.

Comply:  Yes_____ No_____  
Exceptions:___________________________________________________________________
______________________________________________________________________________

**Melter Applicator Warranty & Service**

• Manufacturer shall provide mobile repair & support service with the ability to provide on-site service & operational assistance within 12 hours of request.

• The Manufacturer is to provide all warranty service at a manufacturer’s trained and certified repair center within an 85 mile radius of customers location. This will ensure fast & reliable turnaround times. Upon request of the customer, the manufacturer shall provide a no charge "loaner" unit until the equipment is repaired. The manufacturer will pick up the warranted unit & deliver the loaner unit. Upon completion of the repair the manufacturer will re-deliver the repaired unit and pick-up the loaner unit.

• The Manufacturer shall provide Post Warranty Service to support the customer. Upon request of the customer, the manufacturer shall provide a no charge "rental" unit up to 5 days. After 5 days standard rental rates will apply. The manufacturer will pick up the unit requiring service & deliver the rental unit. Upon repair the manufacturer will re-deliver the repaired unit and pick-up the rental unit. Parts/Labor & Delivery/Return rates will apply.

• Equipment to be covered by a 5 Year "Hitch to Bumper“ warranty.
• Manufacturer shall provide an annual maintenance program performed by the manufacturer's local factory trained and certified staff to include the following: 1.) engine oil & filter change 2.) fuel systems filter change 3.) compressor fluid check & filter change 4.) hydraulic fluid check & filter change 5.) hot transfer oil change 6.) function test 7.) material pump physical inspection & performance calibration 8.) pneumatic "chipping" and vacuum of material tank 9.) trailer safety check 10.) burner service.

• Manufacture to provide 15% trade-in value if under 2500 hours in 5 year period. 1) Applies when only manufacturer's material meeting ASTM 6690 Type II & III has been used during the life of the unit. 2.) Annual service has been completed by manufacturer. 3.) Regular use service intervals with OEM parts are documented and performed by the customer.

Comply: Yes_____ No_____  
Exceptions:_________________________________________________________________  
__________________________________________________________________________