BID SUBMITTAL FORM
Alabama County Joint Bidding Program
TRAILER MOUNTED MASTIC PATCHER AND CRACK SEALER

Company Name: COBLENTZ EQUIPMENT & PARTS CO., INC.

Address: 10400 HIGHWAY 80 EAST
MONTGOMERY, AL. 36117

Bid Submitted by: MATTHEW COBLENTZ
(Name of company representative)

Title: VP e-mail address: MATTHEW@COBLENTZEP.COM

Phone: 334-215-8606 Fax: 334-215-8532

By submitting this bid, we agree:	Initials
The equipment model number identified below meets the bid specs for this bid item	DMC
That the bid price will be honored for all counties for the period from Jan. 1, 2019 to Dec. 31, 2019.	DMC
The equipment will be delivered at the bid price to all counties participating in the joint bid program	DMC
The company representative listed above will be the contact person for purchasing this bid item under the joint bid program	DMC
The bid is accompanied by a current catalog or model specification document for the model number identified below	DMC
The bid is accompanied by a copy of the manufacturer's standard warranty as required in the bid specifications	DMC
The bid includes the e-verify documentation required by Alabama law	DMC
If awarded the bid, a performance bond will be provided upon request.	DMC
The bid documents include the **Manufacturer's Suggested Retail Price Sheet (MSRP) for the Standard Machine**	DMC

TRAILER MOUNTED MASTIC PATCHER AND CRACK SEALER

Total Bid Price for Standard Machine: $ 73,277.70
(Total Bid Price for Standard Machine Includes Freight Preparation, Delivery and Standard Warranty Costs) *

Freight Preparation and Delivery: $ 1625.00
(Included in Standard Machine Bid Price)

Manufacturer's Suggested Retail Price for Standard Machine: $ 89,125.00

Equipment Model #: CIMLINE C SERIES MELTER/MASTIC COMBINATION

Description: TRAILER MOUNTED MASTIC PATCHER AND CRACK SEALER

Signature of company representative submitting bid: [signature]

Title: VP

* **NOTE:** Award will be made based on the total cost of the **Standard Machine.** The total cost of the standard machine is to include the freight preparation, delivery and standard warranty cost. Freight preparation, delivery will be excluded from the total bid price of the standard machine in determining the percentage discount for any available options.

BID SUBMITTAL FORM: OPTION COST SHEET
TRAILER MOUNTED MASTIC PATCHER
AND CRACK SEALER

By submitting this bid, we agree:

To offer any available options at the percent difference between the Manufacturer's Suggested Retail Price Sheet and the actual bid price on the Standard Machine* 10%

The bid documents include the Manufacturer's Suggested Retail Price Sheet (MSRP) with **any available Options** for the Standard Machine YES

Equipment Model #: CIMLINE CSERIES MELTER/MASTIC COMBO

Description: TRAILER MOUNTED MASTIC PATCHER AND CRACK SEALER

Signature of company representative submitting bid: Matt Cobler

Title: VP

***Note:** The percent difference between the **Manufacturer's Suggested Retail Price Sheet (MSRP)** for the standard machine as specified by these **Bid Specifications** and the actual price bid by the vendor will be calculated to determine the percentage discount to be applied to any available options. The bid price of the freight preparation, delivery cost shall be excluded in determining the percentage discount to be applied to available options. Any individual county may choose to add any available option to the standard machine at the percentage discount at the time of purchase.

BID SPECIFICATIONS
FOR
TRAILER MOUNTED MASTIC PATCHER
AND CRACK SEALER

GENERAL

These specifications shall be construed as the minimum acceptable standards for a Trailer-mounted Mastic patcher and crack sealer. Should the manufacturer's current published data or specifications exceed these standards, the manufacturer's standards shall be considered minimum and shall be furnished. All integral parts not specifically mentioned in the scope of these specifications that are necessary to provide a complete working unit shall be furnished. Additionally, the machine for bid offered shall include all standard manufacturers' equipment. The trailer mounted mastic patcher and crack sealer must be a new current production model and shall meet all EPA applicable standards at the time of manufacture.

The use of specific names and numbers in the specification is not intended to restrict the bidder or any seller or manufacturer, but is intended solely for the purpose of indicating the type, size and quality of equipment considered best adapted to the uses of counties participating in this joint bid.

BID SUBMITTAL FORM

Each bidder must submit his or her bid on the Bid Submittal Form included in the Invitation to Bid package. All written warranties to be submitted shall be attached to the Bid Submittal Form.

BID PRICE

The bid price shall include all destination charges, delivery charges, title fees, rebates, and all other applicable costs and refunds.

MANUALS

Each unit will be provided with one (1) copy of the operator's manuals, one (1) copy of the current parts manuals and (1) copy of the repair manual. Units will not be accepted for delivery until the manuals as outlined above are received by the purchaser.

WARRANTY

Units purchased under this specification shall be warranted against defects in materials and workmanship for a period of not less than one (2) years or 2000 hours from the date of of delivery to customer. Items thought to be defective will be returned to factory prepaid to be repaired or replaced.

Yes (No)
Page#_____
or
Attachment N/C

MINIMUM REQUIREMENTS

The combination crack sealing unit and mastic mixer must be able to safely melt, agitate, circulate and apply all grades of asphalt rubber sealants, specification joint sealants, jet fuel resistant sealants and fiber modified asphalt sealants. The machine must be capable of starting at ambient temperature and bringing material to pouring temperature in less than one hour. The unit must have continuous sealant agitation with internal recirculation of sealant (not hose recirculation) to eliminate temperature stratification of sealant being applied. This unit must also be capable of handling and heating local crushed aggregate and mixing it with sealants on board. The unit must be able to change ratio of sealant to aggregate on demand. The unit must be able to heat the aggregate to eliminate any moisture that will contaminate the the mixed mastic material. Mastic mix to be delivered by heated placement trough. Complete operation manual and parts list must be furnished with the unit. A factory-trained representative will be available for initial startup and training. 1.2 The equipment being bid must be new, current year production and meet the needs of this specification without modification. The model must have a working volume of not less than 150 gallons called for in this specification. Hybrid, one-off or prototype equipment is unacceptable.

DIMENSIONS

Width and height to meet State and Federal requirements without requiring oversize permits.

Yes ✓ No ___
Page# 14 Final

Double Jacketed Boiler type material tank design.

Yes ✓ No ___
Page # 14 Final

Heated mixing chamber for producing mastic patch material. .

Yes ✓ No ___
Page # 14 Final

Capable of heating local crushed aggregate to a minimum of 220 degrees Fahrenheit prior to blending sealant and stone into mastic mixture.
.

Yes ✓ No ___
Page # 14 Final

Receiving hopper for crushed aggregate with delivery system to mixing chamber. Hopper will have guard to prevent any aggregate larger than 3/4" from entering the system.
.

Yes ✓ No ___
Page # 14 Final

Trailer mounted and rated for highway class use.
.

Yes ✓ No ___
Page # 14 Final

Diesel powered and diesel heated.

.

Yes ✓ No ___
Page # 1

Electric heated sealing hose equipped only.

.

Yes ✓ No ___
Page # 1

Min. working capacity of 150 gallons.

.

Yes ✓ No ___
Page # 1

One (1) insulated loading door on machine for sealant delivery 2.10 LED stop/ turn sealed lighting including clearance lights.

.

Yes ✓ No ___
Page # 1

The material tank must be of double boiler design and have a minimum working volume of 150 gallons. Working volume can be described as the maximum usable amount of sealant at one time that can be contained in the material tank and pumped out the hose. Basic Machine Requirements Melting System Minimum Requirements.

.

Yes ✓ No ___
Page # 1

The material and oil tanks must be constructed of no less than 7 gauge, (.179") steel. The oil tank must hold a maximum of 25 gallons of heat transfer oil (HTO) at ambient temperature. The oil reservoir will be surrounded by a 10 gauge (.134") air reservoir that will be filled with hot burner gases heating both the bottom and sides of the oil tank for best heat transfer.

.

Yes ✓ No ___
Page # 1

Tank must be insulated on top, sides and bottom with a min. 1.5" ceramic or FBX insulation.

.

Yes ✓ No ___
Page # 1

Full sweep vertical direct driven reversible agitator design. Agitator shaft must include auger flighting for best mixing.

.

Yes ✓ No ___
Page # 1

Minimum 15 x 26 inch, insulated/angled loading door will be curbside and of "splash-free" design.

.

Yes ✓ No ___
Page # 1

For Safety, loading height will be no more than 52 inches for proper lifting ergonomics.
.

Yes ✓ No ___
Page # 14 incl

For safety, unit must include a vented HTO expansion tank. Sealed expansion tanks will be considered a fatal deviation.
.

Yes ✓ No ___
Page # 14 incl.

Diesel burner maximum of 250,000 BTU for best fuel efficiency and fastest heat-up.
.

Yes ✓ No ___
Page # 19 incl

Minimum 6 inch round wand recirculation port located on the rear of the machine is required.
.

Yes ✓ No ___
Page # 14 incl

The melting unit will be trailer mounted and capable of being towed at safe highway speeds when fully loaded. The frame shall include minimum flat horizontal surface steel fenders to facilitate handling and loading of material blocks. All lighting will be LED.
.

Yes ✓ No ___
Page # 14 incl

The frame is to be constructed of minimum 6" x 2"x 3/16" gusseted steel tube for safety and strength.
.

Yes ✓ No ___
Page # 19 incl

A 2-1/2" towing ring that is adjustable in height from 15" to 30" high will be provided.
.

Yes ✓ No ___
Page # 14 incl

Minimum 12 gauge flat horizontal surface steel fenders to facilitate handling and loading of material blocks.
.

Yes ✓ No ___
Page # 14 incl

A swing-away weight appropriate adjustable screw jack must be provided.
.

Yes ✓ No ___
Page # 14 incl

To insure towing mobility in both forward and reverse directions, the melter shall have a dual Torsion axle system and be rated at a GAWR (Gross Axle Weight Rating) of 3500 lbs totaling 7000 lbs for trailer.

.

Yes ✓ No ___
Page # 14 incl

Electric brakes, emergency breakaway switch, radial tires, and two 3/8" x 4 foot long safety chains with slip hooks will be included. Trailer Minimum Requirements:

.

Yes ✓ No ___
Page # 14 incl

Oval LED stop, tail, and turn lights will be included. Clearance lighting will also be LED. A lighted license plate bracket will be attached to the fender.

.

Yes ✓ No ___
Page # 14 incl

The lighting harness will be woven loom with weather proof connectors at all lights. The trailer harness shall use a junction box at the front to allow easy changeover to different types of towing vehicle plugs. A 7 pin flat RV round plug will be included.

.

Yes ✓ No ___
Page # 14 incl

A positive displacement pump will provide material flow for mastic mixing trough, sealing, and recirculation. The material pump and all related plumbing must be contained within a heated chamber. External oil jacketed pumps are not acceptable. The re-circulation will be confined safely within the interior of the machine (Internal Machine Recirculation). Hose recirculation is not an acceptable alternative. Submerged pumping systems are unacceptable due to their reduction of sealant working volume, their inability to recirculate sealant and their excessive maintenance down time.

.

Yes ✓ No ___
Page # 14 incl

The pump shall be direct coupled, driven hydraulically and run in either direction to permit cleaning of plumbing system.

.

Yes ✓ No ___
Page # 14 incl

Pump size must have 2" inlet and 2" outlet and be rated for 20 GPM.

.

Yes ✓ No ___
Page # 14 incl

A maximum of 35 rpm's is allowed to achieve maximum pump output to provide long pump life.

.

Yes ✓ No ___
Page # 14 incl

When sealing valve or mastic valve is closed, sealant must be recirculated back to machine to provide fast recovery and heat up time.

.

Yes ✓ No ___
Page # 1 final

Sealing hose will be electrically heated. For safety, only floating ground designed systems will be acceptable. Due to weight, length and flexibility considerations, Oil or DC heated hoses will not be considered. The hose will be a minimum of 5/8" inner diameter (ID) and no less than 20 feet long.

.

Yes ✓ No ___
Page # 1 final

Hose boom will be located at the rear center of the heating chamber. Boom height must be High enough as to allow a 6' 2" operator to walk under without risk of personal injury. The boom must be supported by heavy duty collar and oil lite maintenance free bushing.

.

Yes ✓ No ___
Page # 1 final

The wand will utilize a ball valve attached at the end of the wand to eliminate dripping when valve is shut off. Rubber tips are not an acceptable substitution. Should the wand be accidently dropped, all flow and line pressure must cease.

.

Yes ✓ No ___
Page # 1 final

A 2.5" swivel disk will be included.

.

Yes ✓ No ___
Page # 1 final

The control system must be able to operate in Manual or Automatic mode. Sealant flow will be controlled variably with the 0 to 9 flow control knob.

.

Yes ✓ No ___
Page # 1 final

The Display must have adjustable digital controllers with readout for oil, material, and heated hose temperatures. Control must have intervals no greater than 1 degree F and continuously monitor thermocouples. Controllers must be stowed in a weather tight operators box on rear curbside of machine.

.

Yes ✓ No ___
Page # 1 final

The Control panel will contain (3) LED Status indicators for Pump, Agitator and Hose. When all three indicators are green, operator will have sealant flow.

.

Yes ✓ No ___
Page # 1 final

Digital controllers must display an error code and shut burner down should a thermocouplefailure occurs.

.

Yes ✓ No ___
Page # incl

The control system must be able to operate in Manual or Automatic mode. When in "Auto",the system will control agitation and pump start up by temperature automatically. Control is to be placed on outer control box with operator selection for Run / Clean Out / Cool and Mix / Off

.

Yes ✓ No ___
Page # incl

Pump forward/reverse will be electrically controlled from rotary switch on the control Station door panel without having to open the weather proof box. A clear cover will allow viewingof status LED's and digital temperature readout without opening box.

.

Yes ✓ No ___
Page # incl

A single hydraulic manifold system shall be provided with cartridge valves, which permit maintenance without hose removal. Pressure relief valves included for protection of motors. 9 Preset positions are available to adjust sealant flow.

.

Yes ✓ No ___
Page # incl

Additional status LED indicators shall provide Burner, pump and Hose heating status.

.

Yes ✓ No ___
Page # incl

Additional analog gauges shall be included for agitator, material pump and aggregate conveyance pressure and backup heat transfer oil temperature.

.

Yes ✓ No ___
Page # incl

The engine will be joined to the frame with rubber engine mounts to prevent vibration transfer. The engine management system will be located near the engine for ease of operation and maintenance. Two self-igniting diesel fired burners will be included.

.

Yes ✓ No ___
Page # incl

The unit will be equipped with a 3 cylinder direct injected, 25hp, tier 4 final, diesel engine. The engine will have spin-on type oil and fuel filters. Engine, Burner and Hydraulics Minimum Requirements:

.

Yes ✓ No ___
Page # incl

The engine will be protected by a Digital Engine Management System including integrated hour meter.

.

Yes ✓ No ___
Page # incl

Auto Shutdown protection will be provided for alternator, oil pressure coolant temperature.

.

Yes ✓ No ___
Page # incl

The exhaust will exit through a noise reduced cowl muffler.

.

Yes ✓ No ___
Page # incl

The unit will include a min. 33 gallon Diesel fuel tank. The tank will incorporate a fuel fill Cap with integrated fuel gauge. For Safety, hose type sight gauges are strictly forbidden.

.

Yes ✓ No ___
Page # incl

The system will include separate spin-on type fuel filter with ball valve shut offs to simplify filter replacement and supply fuel to the burner and engine. Filters will be located near the fuel tank for ease of maintenance.

.

Yes ✓ No ___
Page # incl

The min. 33 gallon reservoir shall be equipped with a suction strainer and a return filter and a sight level with integrated temperature gauge.

.

Yes ✓ No ___
Page # incl

Two 12 volt 250,000 BTU diesel burners will fire into separate angled ceramic lined combustion chambers. One assembly for sealant tank, and one assembly for aggregate. The burners will have a self-contained electronic spark igniter and proof of flame protection. To minimize downtime the burners must be self priming and be equipped with a fuel pressure gauge.

.

Yes ✓ No ___
Page # incl

Weather proof control panel will contain digital temperature read out for aggregate heating system as well as single operational switch for the following functions: mastic patch, mastic clean out, aggregate only, and off positions

.

Yes ✓ No ___
Page # incl

Aggregate hopper to receive crushed aggregate sizes 3/4" and less. Hopper is to be protected by an upper grate for operator safety.

.

Yes ✓ No ___
Page # incl

Aggregate will be carried up a dual section mastic mixing station by 2 centerless augers powered by the machine hydraulic system. Machine must be capable of heating aggregate to a minimum of 220 degrees prior to entering the second mastic mixing chamber where sealant is introduced.

.

Yes ✓ No ___
Page # incl

Mastic delivery will be controlled by the application valve on the rear mastic mixer chute, and will be delivered to the ground using the heated placement trough.

.

Yes ✓ No ___
Page # incl

The mastic placement trough is heated using electric heating blanket for safety. Chutes heated by propane or heat transfer oil will not be accepted for safety.

.

Yes ✓ No ___
Page # incl

Mastic patch material must exit the machine in continuous operation at application temperature. Mastic Patch Mixing System Requirements

.

Yes ✓ No ___
Page # incl

The mastic chute must be a minimum of 34" high to be able to fill mastic buggies

.

Yes ✓ No ___
Page # incl

The mastic chute must be able to reach the center of the road without the trailer leaving the right-hand lane.

.

Yes ✓ No ___
Page # incl

Aggregate must be controlled on demand hydraulically with 9 speed settings.

.

Yes ✓ No ___
Page # incl

Sealant mixture rate must be controlled on demand hydraulically using the curb side 9 speed hydraulic control.

Yes ✓ No ___
Page # incl

A mastic patch mixing ratio chart must be supplied with the unit.

.

Yes ✓ No ___
Page # incl

PAINT AND SAFETY DECALS:

The unit shall be painted using safety green and black accents. It will be equipped with required safety decals and signage.

Yes ✓ No ___
Page # incl