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EQUIPMENT SPECIFICATIONS

CRAFCO AIRSTREAM T-M

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MINIMUM SPECIFICATIONS FOR A TRUCK MOUNTED PATCHING MACHINE

It is the purpose of these specifications to describe a new self-contained, truck mounted spray-injection patching machine. All parts not specifically mentioned which are necessary to provide a complete unit or which are normally furnished as standard equipment, shall be furnished by the successful bidder and shall conform in strength, quality of material, and workmanship to what is provided by the industry in general. The equipment bid herein will be the manufacturer's latest current production model.

SPECIFICATIONS

The following specifications cover a truck mounted spray-injection patching machine designed for street and road maintenance. The unit shall: 1) use compressed air to clean cracks and work area surfaces, 2) spray heated emulsion over area to provide tack coat, 3) apply fully coated patch material mixture and 4) provide adequate control and workability to ensure that application of material is at grade level and proper patch density is achieved. Weight shall be approximately 6,600 LB with dimensions of 190" long, 84" wide and 92" high. Unit must be capable of operating in temperatures down to 10°F.

WORKING AREA Yes No
 Shall be minimum 1,000 square feet _____ _____

Other _____

BOOM Yes No

- a. Shall be a tri-fold articulating boom with fully counterweighted arm _____ _____
- b. Radius: Minimum 19 feet- 1,000-sq. ft. working area _____ _____
- c. Vertical Stroke: 5 feet above to 2 feet below pavement level _____ _____
- d. Counterweighted Arm: To be fully self supporting, capable of remaining in position anywhere within the vertical stroke without any operator pressure. _____ _____
- e. Operator Controls: Boom mounted to contain asphalt, aggregate, throttle, and horn controls and air powered vibrator _____ _____

f. Operating Position: Shall be minimum of 6 feet from material spray. _____ _____

g. All emulsion lines are fully insulated from the asphalt emulsion tank to the spray nozzle. _____ _____

Other _____

DISCHARGE NOZZLE AND COATING SYSTEM

Yes No

- a. Atomized asphalt spray shall be capable of 100% coating of the aggregate prior to discharge. _____ _____
- b. Coating system shall have 90 to 150 PSI pressure and internal spray ring at the nozzle to create a high pressure spray bath to achieve full coating. _____ _____
- c. Shall have a machined aluminum nozzle and internal spray ring with ten evenly spaced emulsion openings for full and even coating. Nozzle to be tapered to accelerate material flow. _____ _____
- d. Unit must be capable of placing up to 5.25 tons of patching mixture per hour. _____ _____

Other _____

TANKS Yes No

- a. Shall have a minimum 250 gallon pressurized, ASME coded Vessel) completely insulated asphalt emulsion tank with steel cover and safety pressure relief valve. _____ _____
- b. Emulsion Tank: To be tested to 300 PSI with a coded ASME approved working pressure of 200 PSI for operator safety. _____ _____
- c. Insulation: Emulsion storage tank shall have minimum R-Value 19 insulation. _____ _____
- d. Emulsion, flush and tack wand controls to be rear mounted for operator convenience _____ _____
- e. Emulsion must be heated with thermostatically controlled 6,000-watt electric heating element positioned inside tank. _____ _____

- c. Emulsion: 3/8 inch ID plastic, 32 feet in length

- d. Emulsion lines heated with transfer fluid circulated directly from diesel engine. _____
- e. All pressure hoses shall have high-pressure fittings.

Other _____

CRACK FILLING ATTACHMENT (OPTIONAL)
Yes No

Unit shall come equipped with 25-foot emulsion hose on retractable reel with 4-foot hand wand.

Other _____

COLOR **Yes No**

Shall be Nason two part urethane Crafcro Red, primer is a Dupont Corlar Epoxy-934S and the activator is Dupont Corlar - 936S

Other _____

OTHER OPTIONS

Yes No

- a. Strobe light kit _____
- b. Water/fuel separator _____
- c. Electric throttle _____
- d. 4 cubic yard capacity aggregate hopper _____
- e. 5 cubic yard capacity aggregate hopper _____

MISCELLANEOUS

Patching machine to be capable of being mounted on minimum 144" cab to axle truck and designed to equally load truck chassis from full to empty capacities. Truck fenders, mud flaps and miscellaneous mounting hardware to be supplied by the truck supplier. Bidder or customer shall furnish with bid a minimum of six governmental references for whom bidder has supplied equipment meeting the specifications listed in this bid package. Names of the agency, contact name and telephone number must be included with the bid for all six references listed. The successful bidder shall furnish at the time of delivery a copy of the parts and service manual. The

_____reserves
the right to inspect the equipment tendered by the successful bidder to ensure that it conforms to the specifications herein before mentioned above.