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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 192" long, 90" wide and 88" 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.