



- d. Emulsion flush and tack wand controls to be rear mounted for operator convenience. \_\_\_\_\_
- e. Emulsion tank must be heated with thermostatically controlled 6,000-watt electric heating elements positioned inside tank. \_\_\_\_\_
- f. Heating element housing shall be in an ASME pressure tested tube. Heating element shall not be in direct contact with the asphalt emulsion to allow for heating element removal without draining tank and to prevent charring of asphalt. \_\_\_\_\_
- g. Must have minimum 30 gallon ASME pressurized flush tank. \_\_\_\_\_
- h. Unit must have 8-gallon flush holding tank. \_\_\_\_\_
- i. Flush Tank: To be tested to 300 PSI with a coded ASME approved working pressure of 200 PSI for safety. \_\_\_\_\_
- j. Emulsion to be pressure fed to nozzle eliminating the use of a mechanical feed pump. \_\_\_\_\_
- k. Emulsion tank and lines shall be heated with transfer fluid circulated directly from diesel engine. \_\_\_\_\_
- l. Unit shall have 22 gallon fuel tank. \_\_\_\_\_
- m. Emulsion tank shall have 8-inch easy access lid, and 2-inch bottom discharge gate valve for clean out. \_\_\_\_\_

Other \_\_\_\_\_  
\_\_\_\_\_

**COMPRESSOR** **Yes** **No**

- a. Unit shall have minimum 13.2 CFM compressor direct drive with governor regulator control and capabilities to piggy back a hydraulic pump. \_\_\_\_\_
- b. Maximum pressure 150 PSI \_\_\_\_\_
- c. Compressor must be able to pressurize 1/2 full emulsion tank from 0 to 100 psi in no more than 11 minutes. \_\_\_\_\_

Other \_\_\_\_\_  
\_\_\_\_\_

**AGGREGATE DELIVERY SYSTEM**

**Yes** **No**

- a. Unit shall have a pneumatic venturi eductor that conveys aggregate from hopper, through emulsion spray bath and out the nozzle with no moving parts. \_\_\_\_\_
- b. Venturi shall be machined from solid metal stock. \_\_\_\_\_
- c. Air nozzle shall be positioned in the center of aggregate discharge tube. \_\_\_\_\_
- d. Air tube shall be tapered to reduce air turbulence and wear. \_\_\_\_\_
- e. Minimum weight of venturi must weigh be 68 LB. \_\_\_\_\_
- f. Aggregate hopper shall have bolted on safety screen. \_\_\_\_\_
- g. Aggregate flow shall be regulated by air actuated slide plate. \_\_\_\_\_
- h. Aggregate flow controls must be located on articulating operator's boom for finger tip operation \_\_\_\_\_

**TAILGATE** **Yes** **No**

- a. Unit shall come equipped with gravity tailgate feeder designed to adapt to typical dump truck tailgate that includes hose to feed aggregate directly from tailgate to aggregate hopper. \_\_\_\_\_
- b. Unit must have the ability to be modified to a hydraulic powered aggregate tailgate feeder. \_\_\_\_\_
- c. Manufacturer must offer hydraulic tailgate as a standard upgrade option. \_\_\_\_\_

Other \_\_\_\_\_  
\_\_\_\_\_

**BLOWER** **Yes** **No**

- a. High volume 820-CFM lobe blower \_\_\_\_\_

b. Must be equipped with heavy-duty silencer  
\_\_\_\_\_

c. Blower shall be directly driven from engine.  
\_\_\_\_\_

d. Blower shall be mounted and aligned to the engine with a solid metal alignment block machined to match the blower face plate and engine bell housing. The alignment block shall be constructed so when bolted into place automatic alignment of blower and engine alignment dowels/studs occurs providing a tolerance of +/- .003 inch alignment between blower shaft and engine crankshaft. **Machines requiring additional field adjustment to assure proper blower/engine alignment by either user or a trained professional will not be accepted.**  
\_\_\_\_\_

Other \_\_\_\_\_  
\_\_\_\_\_

**ENGINE** **Yes** **No**

a. Shall be minimum 80 HP water cooled diesel operated  
\_\_\_\_\_

b. Unit shall be equipped with 1000 CCA battery  
\_\_\_\_\_

c. Engine controls shall be rear mounted.  
\_\_\_\_\_

Other \_\_\_\_\_  
\_\_\_\_\_

**CHASSIS** **Yes** **No**

a. Shall be heavy-duty reinforced tubular steel frame  
\_\_\_\_\_

b. Shall have brake lights, tail lights, and directional lights with connections to meet FMVSS108.  
\_\_\_\_\_

c. Unit shall have tandem 12,000 LB tandem leaf spring axles.  
\_\_\_\_\_

d. Tires shall be tubeless ST 225/75 R15 load range D  
\_\_\_\_\_

e. Unit must have electric brakes with break-away activation.  
\_\_\_\_\_

f. Unit shall have adjustable 10,000 LB pintle hitch  
\_\_\_\_\_

g. Must shall be equipped with retractable jack stand.  
\_\_\_\_\_

h. Unit shall have adjustable hitch height of 21 to 30 inches from ground level in 2 ¼ increments  
\_\_\_\_\_

Other \_\_\_\_\_  
\_\_\_\_\_

**FILTERS** **Yes** **No**

a. Engine: Dry type  
\_\_\_\_\_

b. Blower: Dry type  
\_\_\_\_\_

Other \_\_\_\_\_  
\_\_\_\_\_

**HOSES** **Yes** **No**

a. Material hose shall be 3 ½ inch I.D. neoprene rubber that resists curling and twisting, is adequately reinforced and rubber lined.  
\_\_\_\_\_

b. Material hose length shall be 18 feet in length  
\_\_\_\_\_

c. Emulsion hose shall be 3/8 inch ID plastic  
\_\_\_\_\_

d. All pressure hoses shall have high-pressure fittings.  
\_\_\_\_\_

e. Unit shall have 8-foot quick flush hose.  
\_\_\_\_\_

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 \_\_\_\_\_  
\_\_\_\_\_

**CRACK FILLING ATTACHMENT (OPTIONAL)**

**Yes** **No**

Unit shall come equipped with 25-foot emulsion hose on retractable reel with 4-foot hand wand. Must be rear mounted on unit.

\_\_\_\_\_

Other \_\_\_\_\_  
\_\_\_\_\_

**HYDRAULIC TAILGATE (OPTIONAL)**

**Yes      No**

- a. Shall operate from hydraulic power supplied by patching machine- independent from truck hydraulics. \_\_\_\_\_
- b. Shall have dual augers and center feed. \_\_\_\_\_
- c. Shall be adjustable to fit any standard dump truck bed. \_\_\_\_\_
- d. Shall be completely adaptable to patching machine. \_\_\_\_\_

Other \_\_\_\_\_  
\_\_\_\_\_

**OTHER OPTIONS**

**Yes      No**

- a. Strobe light kit \_\_\_\_\_
- b. Water/fuel separator \_\_\_\_\_
- c. Arrow board and control \_\_\_\_\_
- d. Air Stream hydraulic system complete assembly \_\_\_\_\_
- e. Electric throttle \_\_\_\_\_

**MISCELLANEOUS**

The successful bidder shall furnish at the time of delivery a copy of the parts and service manual. Bidders are required to submit detailed descriptive current literature covering the unit being bid. The lack of submitting said literature will be cause for rejection of this bid. 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.