



E1221 CUTTER  
April XX, 2008

## MISSOURI DEPARTMENT OF TRANSPORTATION PAVEMENT CUTTER SPECIFICATIONS

### General

The unit shall be self-contained with a heavy-duty engine, electric start system, easily accessible controls and two pneumatic highway-rated tires with one skid plate. The unit shall be capable of routing along winding cracks and be of proper size and design to safely withstand maximum stress imposed in anticipated usage. Lift eye shall be mounted on the unit.

### Engine

The unit shall contain a 24 horsepower minimum air-cooled gasoline engine with a 12-volt electric start system. A battery will be included that is housed in a weather protective enclosure. To be equipped with all standard commercial accessories, including dry element air cleaner with vacuum indicator, and electric hour meter, and oil pressure and ammeter gauges that are insulated from vibration.

### Operating Controls

The unit shall be equipped with an adjustable handle with rubber grips. It shall be equipped with easily accessible starter switch or button, choke lever, and throttle.

### Depth Controls

The unit shall come equipped with a depth indicator and an electric actuated variable depth of cut control.

### Cutter Design

Unit shall be equipped with a cutter guide. Cutter head shall be easily removed and installed, 12 inches in diameter with carbide-tipped cutters. Manufactures shall supply one extra set of carbide tipped cutters, pins and spacers. Cutter head shall hold six (minimum) eight point star cutters, equally spaced on the cutter head. Cutters shall rotate on hardened pins and allow adjustable cutting widths for ½ inch to 2 inches.

### Safety Stop System

The unit shall be equipped with a stopping system that allows an operator to stop the cutter head quickly by means of a control on the handle or with a dual breaking system that utilizes a “quick-stop” belly bar and dual wheel breaking system that stops the drum and machine instantly.

The Missouri Department of Transportation Commission reserves the right to waive technicalities and to reject any or all bids and no bid is final until formally accepted by the Commission.