



*Missouri Department of Transportation*

**60" (5 Foot) REAR, RIGHT SIDE ROTARY MOWER SPECIFICATIONS**

**GENERAL** – The intent and purpose of this specification is to establish minimum quality, safety and performance standards for heavy-duty 60" (5 foot) rotary mower to be mounted on the rear 3-point hitch. The purpose of this specification to specify a mower engineered and designed that will assure Highway right-of-way mowing, including ditch banks and roadsides with a minimum amount of down time. Mower shall be fully equipped (including counterbalances/oil reserve), capable of mowing in a declined or inclined position. This unit shall be of the manufacturer's current production model. Parts and service availability must be within 24 hour of contact. No boom type mowers. Comparable models are Rhino DB150 and Bush Hog SM60.

**DRIVE** – The mower shall be rotary type, hydraulically provided. The output shaft of gearbox shall be the spindle for the blade carrier assembly.

**SPINDLE** – Shall be one (1) piece forged alloy steel, of bearing type, sealed in oil.

**BLADE CARRIER** – Equipped with stump-jumper, applicable to type, brand, or model being used.

**BLADES** – 1/2" X 3 blades, double edge, 17,000 FPM minimum blade tip speed

**CUTTER HEAD** – Minimum 90 degree upward movement and 85 degree downward movement.

**HYDRAULICS** – Minimum 35 gallon hydraulic reservoir. Hydraulic relief valve required.

**DECK STRUCTURE** – Minimum 10 gauge construction. Replaceable, full length inner and outer shoes.

**SAFETY** – The mower shall have safety chain guards on front and rear to protect the area surrounding the mower from flying objects. Travel and transport locks shall be required. Unit shall meet or exceed all applicable ANSI, ASAE, SAE test standards.

**COLOR** – Color to be manufacturer's standard over a prime coat.

**MANUALS/WARRANTY** – Manufacturer shall furnish operation manual; unit shall be guaranteed against defects in workmanship and materials for a period of one (1) year.

**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.**