

**Lafayette County – 2020
Minimum Specifications
Tandem Drive Motor Graders**

ENGINE:	Turbocharged 6-cylinder diesel engine with minimum of 200HP net engine output. And meets the US EPA emissions standards.
TRANSMISSION:	Direct drive power shift with 8 forward and 6 reverse gears, controlled by a single lever for both direction and speed changes. Power train shall not have torque converter.
DIFFERENTIALS:	Operator controlled hydraulic differential lock and unlock. Planetary final drives.
HYDRAULICS:	Separate oil lubrication, filtration, and cooling system, O-ring face fittings, closed center pressure controlled variable displacement hydraulic pump. Hydraulics for scarifier to be included.
MOLDBOARD:	12 ft. with hydraulic tilt and side shift.
SCARIFIER:	To be front or mid mounted
BRAKES:	Foot controlled, multiple wet disc, self-adjusting, maintenance free include spring applied, hydraulically or air released park brake. Both independent braking systems effective on all four tandem wheels.
TIRES:	17.5 X 25 – ply xlt a or equivalent radial tires. Single piece rim.
CAB:	Fully enclosed standard height cab, meeting all OSHA requirements. Equipped with sound suppression, tinted safety glass, air conditioning, heater, radio, front and rear windshield, dome light, floor mat, deluxe cloth suspension seat with seat belt. Rear facing camera system. Diagnostic indicators located in the cab to monitor all critical pressures, temperatures and filter functions, inside mounted rearview mirror.
ELECTRICAL:	24 – volt system with factory installed 24-12 converter, minimum 20 amp for county radios, back – up alarm, front and rear work lights, two front driving lights, rear stop and four turn signal lights, and full-time hazardous warning lights. Front and rear low-profile strobe lights, one amber mounted on the rear and one clear mounted on front as not to obstruct operator view.

STEERING AND ARTICULATION: Front steer plus articulated. Minimum articulation 22 degrees.
Must include a steering wheel for directional driving.

OIL SAMPLES: All oil sampling supplies and test for factory recommended components, engine oil, and transmission, final drives, gear boxes as needed to be included.

WARRANTY: 5 year / 7500-hour full warranty. All service calls for warranty work to be included under warranty. Any transportation of machine to a shop for warranty work to be included in warranty.

Training: Please specify any operator training that your company offers with purchase of machine.

Bid Option: 1 5-year lease option.