



STATE OF LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
TECHNICAL SPECIFICATIONS FOR

COLD PLANER, TRACKED, FRONT LOADING

SERIES NO. 220-950

REV. 8/6/2026

EQUIPMENT SPECIFICATION 220-950F

GENERAL

This specification sets forth the minimum requirements for a front loading tracked cold planer for full depth pavement removal.

Equipment shall be new, a production model of current manufacture, and must meet all state and Federal safety and emission standards in effect at time of order.

REPRESENTATIVE SPECIFICATIONS

A Wirtgen W150XFi, with appropriate options and standard features, was used to develop these specifications and establish equivalency evaluation criteria.

Equipment of similar style, type, character, quality, features, and purpose conforming to the following detailed requirements/specifications will be considered. For evaluation purposes, bidders proposing an exception/equivalent option/feature to those specified herein, may be required to provide manufacturer/product information (catalogue sheets, detailed specifications, pictures, etc.). This information will be evaluated against the minimum requirements of this specification. Proposed submittals that are determined not to be equivalent to the established criteria will be rejected.

LOUISIANA AUTHORIZED DEALER(S)

Proposed item(s) must be from a manufacturer who has at least one (1) authorized dealer within the State of Louisiana where parts and service can be obtained. Authorized dealer(s) must have properly trained technicians plus all other resources necessary to perform warranty and repair services in complete accordance with the manufacturer's requirements. A letter certifying the ability to meet this requirement, inclusive of the company name(s) and address(es) of the Louisiana authorized dealer(s), should be supplied with the bid submittal and may be required prior to award.

DELIVERY & ACCEPTANCE

Vendor shall perform a test run of each unit to verify that all features and capabilities are operating properly at time of delivery. Documentation of testing may be required prior to acceptance by the Department.

Unit(s) must be delivered completely assembled (including all components, accessories, etc.) and ready for operation without any additional preparation including, but not limited to, ensuring all fluid levels are at their full mark, fuel tank(s) is full, all necessary lubrication has been performed, etc.

Any unit delivered under this specification is subject to rejection if there is evidence of poor workmanship, by either the vendor or the original manufacturer. The vendor may correct noted defects and/or nonconformance findings. Corrections must be completed and approved by the Equipment Engineer or his representative prior to final acceptance.

Unit(s) shall be delivered “**on the ground;**” DOTD will not unload nor provide any unloading equipment to the vendor/delivery driver in order to offload the unit(s).

NOTE: The Department will have space available for equipment to be unloaded.

EACH UNIT MUST BE SUPPLIED WITH THE FOLLOWING DOCUMENTATION AT TIME OF DELIVERY:

1. Dealer's Service Policy
2. Owner's/Operator's Manual(s)
 - a. One (1) Hardcopy
 - b. One (1) Digital Copy
 - i. Acceptable Formats: PDF delivered via USB “Flash Drive”, or E-mail
3. Service Manual(s)
 - a. One (1) Hardcopy
 - b. One (1) Digital Copy
 - i. Acceptable Formats: PDF delivered via USB “Flash Drive”, or E-mail
4. Build Sheet(s) – as applicable
 - a. One (1) Hardcopy
 - b. Build sheets should be written in plain language (not company specific codes) and include, at a minimum, all standard & optional features of the delivered unit.
5. Parts Manual(s)
 - a. One (1) Hardcopy
 - b. One (1) Digital Copy
 - i. Acceptable Formats: PDF delivered via USB “Flash Drive”, or E-mail

NOTE: Invoices will not be processed for payment until the unit(s) have been inspected by the Equipment Engineer or their representative and deemed in compliance with the specifications.

BID SUBMITTALS

Any additions, deletions, or variations from the specifications should be noted in the "Bidder's Exceptions" page of this specification. Exceptions that are noted to be less than a minimum requirement will not be accepted.

Any additions, deletions or variations from the manufacturer's standard published specifications should be noted on the "Bidder's Exceptions" page of this specification. Unless otherwise noted, any items appearing in the manufacturer's standard published specifications furnished by the Bidder are assumed to be included in the Bidder's submittal.

Bidder should note on their submittal any installation(s) to the equipment that will be performed by the vendor instead of the manufacturer.

Failure to note any specification exceptions, manufacturer specification alterations, and/or vendor installations prior to award may result in rejection of the equipment at the time of delivery.

THE NUMBER OF DELIVERY DAYS AFTER RECEIPT OF ORDER (ARO) MAY BE USED AS A FACTOR IN THE AWARD.

EQUIPMENT SPECIFICATIONS

NOTICE TO BIDDERS

Bidder should review the detailed "Equipment Specification" completely and respond to the compliance question at the end of each section by marking "X", in the space provided, for "Yes" or "No". Mark "Yes" to indicate that the equipment bid meets the section exactly as specified. Mark "No" if there are exceptions to any part of that section. Exceptions/deviations to any part of the specification are to be detailed on the "Bidder's Exceptions" page of this specification.

IN ORDER TO BE CONSIDERED FOR AWARD, BIDDER SHOULD RETURN THIS SPECIFICATION, COMPLETED IN FULL, WITH THEIR BID SUBMITTAL.

Note: All values listed below are minimums unless noted otherwise.

1. General Dimensions

- 1.1. 45 ft. 10 in. Transport length max
- 1.2. 9 ft. 11 in. Transport height max
- 1.3. 8 ft. 6 in. Transport width max

Comply: ____Yes ____No

2. Engine

- 2.1. 6 cylinder, diesel engine
- 2.2. 8.9 liter
- 2.3. liquid cooled
- 2.4. 400 HP
- 2.5. Automatic engine idle control
- 2.6. High capacity cooling system
- 2.7. Automatic load control
- 2.8. Fuel filter water separator
- 2.9. 24 volt electrical system
- 2.10. Fuel tank: 200 gallon minimum
- 2.11. DEF tank: 8 gallon minimum
- 2.12. Engine to comply with U.S. EPA Emission Standards in effect at the time of delivery
- 2.13. Power unit shall drive all hydraulic pumps for hydrostatic drive, conveyor and auxiliary circuits
- 2.14. Electrohydraulic unit to power milling drum rotation, pick ejector and emergency functions when the engine is off

Comply: ____Yes ____No

EQUIPMENT SPECIFICATIONS

3. Milling Drum System

3.1. Milling Drum Unit

3.1.1. Milling Drum Unit

3.1.1.1. To be equipped with a drum capable of a cutting width of 5 ft. 11 in.

3.1.1.2. Drum to be equipped with 135 pick holders

3.1.1.3. Pick holder spacing to be arranged to provide consistent surface finish

3.1.1.4. Cutting diameter of drum to be 3 ft. 2 in. to 3 ft. 6 in.

3.1.1.5. Capable of Milling depths of 0 to 13 inches

3.2. Side Plates

3.2.1. Left and Right side plates hydraulically lifted

3.2.2. Over load sensor on left and right side plates to lift side plates over obstacles

3.2.3. Left and Right side plates to have screw on wear protection segments

3.3. Scraper to be equipped with an overload sensor to lift scraper over obstacles and uneven surfaces

3.4. Sectional water spray bar electrically switchable for different width cutting drums

3.5. Variable cutting speeds

3.6. Automatic plunge-cut

3.7. Automatic transition feature

3.8. Obstacle jump

3.9. Full access service doors hydraulically operated

3.10. Quick-change tool holder system

3.11. Hydraulic pick extractor

3.12. Replaceable hydraulic scraper blade

3.13. Standard carbide tipped bits

3.14. Onboard 400 gallons minimum capacity water tank

3.15. Automated water injection into the milling drum unit

Comply: ____ Yes ____ No

4. Track Drive System

4.1. Four (4) tracked drive undercarriage, hydraulic all track steering

4.2. All tracks with heavy duty wear-resistant polyurethane replaceable track pads

4.3. Hydraulic height adjustment for cutting

4.4. Continuously adjustable or automatic travel speed

4.5. Electronic traction control

4.6. Capable of automatic parallel to surface adjustments

Comply: ____ Yes ____ No

5. Conveyor System

5.1. Hydraulic, front loading

5.2. Folding discharge conveyor

5.3. Conveyor to be a minimum of 26 feet

5.4. Conveyor control system with automatic operation mode to adjust conveyor speeds based on milling operation

5.5. Conveyor swing angle up to 60 degrees left or right centerline

EQUIPMENT SPECIFICATIONS

- 5.6. Conveyor belt width: 24" minimum
- 5.7. Conveyor to have two (2) swing speeds
- 5.8. Vacuum Cutting System to remove fine particles of milled material to allow for improved air quality and visibility

Comply: ____Yes ____No

6. Operator Controls

- 6.1. Integrated leveling operating system with appropriate sensors to provide for automatic monitoring of milling depth and slope
- 6.2. Adjustable suspension operator seat
- 6.3. Single High-resolution 7 inch display for displaying machine control system and control of the leveling system
- 6.4. Multifunctional armrest for one handed operation of most machine functions
- 6.5. Platform Handrails
- 6.6. Left side additional control unit allowing operation of the machine from the ground
- 6.7. Signaling/warning horn
- 6.8. LED work lighting
- 6.9. Emergency stop switch at each operator station
- 6.10. Dual grade controls for automatically controlling depth of cut and slope control
- 6.11. Monitor system with two (2) cameras and screen

Comply: ____Yes ____No

7. Additional Features

- 7.1. Operator windscreen
- 7.2. Overhead protective canopy
 - 7.2.1. Hydraulic folding for transport
- 7.3. Ground Level Grade Controls
- 7.4. Safety Warning Beacon
- 7.5. High-Power lighting system

Comply: ____Yes ____No

8. Warranty & Training

- 8.1. Manufacturer's standard warranty
- 8.2. All standard equipment or safety equipment shall be furnished and in place included with the unit. Any parts, tools, and/or accessories not specifically called for but required for operation shall be provided.
- 8.3. Provide training for setup, operation, maintenance, and required service with all necessary literature.

BIDDER'S EXCEPTIONS

Instructions: Bidder should note all exceptions in space provided below. List the detail number from the aforementioned specification in the column to the left and the exception in the column to the right. Responses may be typed or hand-written. Handwritten responses must be legible. If additional space is needed, please print a duplicate copy of this sheet. "Bidder's Exceptions" page(s) should be returned with the bid submittal.

Examples:

1.6	Engine has 325 horsepower
1.18.3	Batteries have 2000 CCA combined.
2.2.8	Cross members are 4" channel on 12" centers.

**Spec. /Detail
Reference**

Exception
