MONTANA
Department of Transportation

MDT-BRG-015 04/23

Montana Department of Transportation
Bridge Bureau
Approved Construction Equipment List

Make:	*Weiler*
Model:	*W530B*
Equipment Type:	*Road Widener*
Contractor Modifications:	*None*

Interstate Approval Conditions

Approval Type	***Crossing Only***
Speed:	***No Restriction***
Weight:	***38,612 lb or less***
Traffic:	***Approved with regular traffic***
Location Restrictions:	***No Restriction***

Non-Interstate Approval Conditions

Approval Type	***Crossing Only***
Speed:	***No Restriction***
Weight:	***38,612 lb or less***
Traffic:	***Approved with regular traffic***
Location Restrictions:	***No Restriction***

Comments:

Equipment configuration, weights, and specifications on following pages. Approval does not apply to load posted bridges. Other construction equipment is not allowed to operate on or cross bridge at the same time this equipment is on the bridge.

W530B ROAD WIDENER





ONE TOUCH HANDLING.

When it comes to placing the right amount of material at the correct grade and slope in one pass, whether on a shoulder or elsewhere, the best equipment for the job is a Weiler road widener.



MATERIAL DELIVERY.

A 3.5 yd3 (2.6 m3) hopper means fewer truck exchanges during the workday. The 24" (610 mm) wide belt and 400 fpm (121 mpm) belt speed provides quick placement of materials to either side of the machine. The hydraulically adjustable dump hopper accommodates varying trucks.



PRECISE STRIKE-OFF

25" (635 mm) tall strike-off tools widen from 1' (.3 m) to 10' (3 m) and are capable of placing material up to 12" (305 mm) above and below grade. Multiple tool sizes plus hydraulically adjustable tools ensure precise strike-off and can be set to exact grade and slope specifications.



RELIABLE POWERTRAIN.

The W530B has the power to push. The two 2-drive version features a Cat® C3.6 Tier 4F/Stage V engine with 120 hp (89 kW) while the 4-wheel drive features 137 hp (102 kW). Hydrostatic powershift drive with 300 fpm (91mpm) working speed and 12 mph (19 km/hr) transport speed.



VISIBILITY AND CONTROL.

All controls are located on a single panel within easy reach of the operator. Sliding control console enhances operator ease of use, enabling both left and right side access to all machine controls. The operator is located back from the dump hopper and toward the outer edge of the machine for increased visibility.



FAST SERVICE.

Self cleaning pulleys minimize material build-up and large doors enable easy access to engine and machine components. Built-in tool storage locations provide home spots for all components needed on the job. Caterpillar dealer service and support keep your machine up and running with limited down time.

W530B SPECIFICATIONS

WEIGHT	26,327 lb	11 941 kg
OPT. REAR WEIGHT	2,300 lb	1043 kg
LENGTH	22′ 4″	6807 mm
WIDTH	10′	3048 mm
HEIGHT	7′ 8″	2336 mm
WHEELBASE	130″	3302 mm

HOPPER CAPACITY	3.5 yd^3	2.6 m^3
CONVEYOR LENGTH	10′	3048 mm
CONVEYOR WIDTH	24″	610 mm
BELT SPEED	400 fpm	121 mpm
MAX WORKING SPEED	300 fpm	91 mpm
TRANSPORT SPEED	12 mph	19 km/hr

ENGINE	Cat® C3.6/C4.4 Tier 4F/Stage V	
TURNING RADIUS	15′ 6″	4.7 m
REAR STEER TURN RADIUS	8′	2.4 m
FUEL CAPACITY	74 gal	280 L
HYDRAULIC CAPACITY	60 gal	227 L

POWERTRAIN

- Cat® C3.6 Tier 4F/Stage V Engine, 120 hp (89 kW)
- Cat® C4.4 Tier 4F/Stage V Engine, 137 hp (102 kW) w/ 4-wheel drive
- Front wheel hydrostatic drive standard
- 4-wheel hydrostatic drive option
- 2-speed motor
- 2-speed gearbox
- Shift-on-the-fly gearbox
- 300 fpm (91 mpm) max working speed
- 12 mph (19 km/hr) transport speed
- Differential lock on front axle
- 2-wheel steering standard
- 15′ 6″ (4.7 m) standard turning radius
- 4-wheel steer option
- 8′ (2.4 m) turning radius w/ 4-wheel steer
- Fail safe parking brake

OPERATING ENVIRONMENT

- Tool free sliding control console w/ color display
- Access to all machine controls from console
- Seats located to the outside of machine
- Wrap around safety rails and kick plates
- USB port and cup holder
- Easy storage of tools for transport

MATERIAL DELIVERY

- 3.5 yd^3 (2.6 m^3) hopper capacity
- 9′ 4″ (2844 mm) dump hopper opening
- Hydraulically operated dump hopper
- 10′ (3048 mm) long, 24″ (610 mm) wide chain-driven conveyor
- Left or right material discharge
- 400 fpm (121 mpm) belt speed
- 6″ (152 mm) conveyor shift in either direction
- Hydraulically adjustable tool does not change slope w/ adjustment
- Flashing/conveyor spray down system
- Adjustable push roller

SALES AND SERVICE

Sold and serviced through Caterpillar dealers worldwide.

TOOLING

- 1′ (0.3 m) to 10′ (3 m) widening width
- 12″ (305 mm) above and 12″ (305 mm) below grade
- 25″ (635 mm) tall strike-off tools
- 1′ (.3 m), 2′ (.6 m) and 3′ (.9 m) standard tool
- 6′ (1.8 m) and 2′-3′ (.6 m - .9 m) adjustable tool option
- 3′-5′ (.9 m - 1.5 m) adjustable tool option
- Standard tool tray
- Side-mounted tool box for accessories w/ wrenches

SERVICE/MAINTENANCE

- Multiple engine access doors
- Easily accessible battery compartment
- Self cleaning pulleys minimize material build-up
- Braided electrical harnesses and sealed connections

OPTIONAL EQUIPMENT

- Rear wheel drive and steering
- Rear steer
- Truck hitch
- Hydraulically adjustable push roller
- Hydraulically raised and lowered front hopper
- Enclosed cab with heat and a/c
- Foot pedal conveyor control
- LED strobe light
- 8′ (2.4 m) or 10′ (3 m) broom
- Spray down system
- Premium LED work lights w/ wheel well lights
- DC blade lights
- Remote strike-off
- 2,300 lb (1043 kg) counterweight
- 12 kW generator
- Grade and slope prep
- Opposite side hydraulics
- 1′ (.3 m), 2′ (.6 m), 3′ (.9 m), 6′ (1.8 m) strike-off tools
- 2′ - 3′ (.6 - .9 m), 3′ - 5′ (.9 - 1.5 m) telescoping strike-off tool

WARRANTY

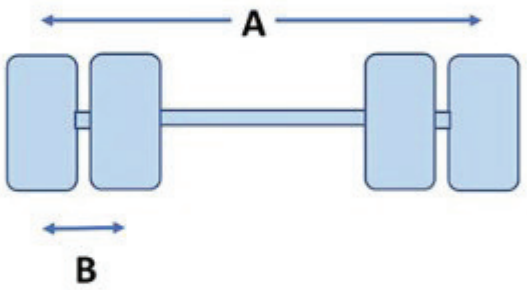
12 months standard. Extended warranty available.

If your company would like to submit equipment to be considered for inclusion in the ACEL, provide an application to MDT at: mdtacel@mt.gov
ACEL analysis is listed below.

- Equipment manufacturer's product specifications See above.
- Detailed dimensions and data for equipment on wheels
  - Equipment Width (dimensions A and B)



8 feet



  - Equipment Length (center of front axle to center of rear axle) 130 inches
  - Number of axles 2 axles
  - Distance between axles (center of tire to center of tire) 130 inches
  - Maximum Gross Equipment Weight 26,327 lbs
- Detailed dimensions and data for equipment on tracks
  - Equipment Width (center of track to center of track – if there is only one line of tracks, note this in the measurements
  - Equipment Length (center of front track to center of rear track)
  - Number of tracks in each track line
  - Length of each track
  - Maximum Gross Equipment Weight
- Information on any equipment modifications on your equipment (note that some modifications may preclude inclusion onto the ACEL)
- Contractor's contact information for ACEL analysis-related correspondence or follow-up information.