



City of Columbus RFQ009691 SPRAYLINER TRUCK

COST SUBMITTAL by MRL EQUIPMENT COMPANY 11December 2018

MRL EQUIPMENT COMPANY MODEL 4-8000-G THERMOPLASTIC STRIPING APPARATUS

MODEL 4-8000-G APPARATUS installed on a 2020 PETERBILT Model 520 with dual steering

\$ 613,110.00

Per RFQ 009691 and changes sent to MRL 4 Dec 18 (items in cover letter)

• Per meeting on the 7th of November with the City of Columbus the Secondary Propulsion System has been removed and is now listed as Optional Equipment, the price does not include this option.

This Pricing is valid for 180 days from receipt of this Submittal.

Note: The above Cost Submittal does not include the Secondary Propulsion System.

Optional Equipment:

Secondary Propulsion System (Hydrostatic Drive System) add to above pricing. \$ 68,000.00



December 4, 2018

Mr. David Kautz Mark Rite Lines Equipment Co., Inc. 5379 Southgate Drive Billings, MT 59101

Re: RFQ009691 RFP for Sprayliner Truck

Dear Mr. Kautz:

Your firm has been selected as one of the finalists in the subject RFP to present cost proposals for the next step in the RFP process. At this stage the City is requesting cost submittal on the vehicle type identified in the RFP specifications section 3.5 and the following:

- Peterbilt Cab and Chassis/ Not Autocar
- · GL 1000 laserline carriage laser pointer system
- Pointer system manual to be mounted to the front of the truck
- · Pointer system in cab guidance system with monitor
- Material lift mounted to the truck bed with step or platform to load thermo plastic material into the melter pots. (ECOA 6,500 or Bishmon 6,500 lifts or equal).
- L-10 Moyno pump speed control mounted in the timing box
- · Arrow Board and Flashers (Sound off Signal) beacon and strobe lights L.E.D. (or equal)
- (2) centerline material guns (spray) and (1) edgeline material gun (spray) **No Crossover** line needed.
- (6) total bead guns / (3) for normal operations and additional (3) with detachable bead tanks mounted on the rear of the truck (Removable) for wet reflective bead application when desirable.
- Bearings/Bushings mounted on the top of the material Kettles/Pots for the agitators. **Not to** be mounted in the bottom of the material holding Kettles/Pots.
- M.R.L. to carry all replacement parts with next day shipping

As part of your cost proposal, include how long your firm is able to hold the listed price and if any discounts would be applicable for multiple orders. Please be certain that any discount offers are clearly spelled out and easily understood.



JOE LOMBARDI Director



Submit your cost proposal package to Roblyn Slaughter no later than 5:00pm Wednesday December 12th, electronically to <u>rslaughter@columbus.gov</u>.

Should you have questions, please contact Roblyn Slaughter at 614-645-7651 or rslaughter@columbus.gov prior to submitting your cost structures.

We look forward to hearing from you.

Sincerely,

Roblyn Slaughter, CPPB

Roblyn Slaughter

Procurement Administrative Officer







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City of Columbus RFQ009691 SPRAYLINER TRUCK

COST SUBMITTAL by
MRL EQUIPMENT COMPANY
11December 2018

Index for Equipment Clarifications included in the invitation for Cost Submittal Letter.

- 1. Peterbilt Cab and Chassis/ Not Autocar
- 2. GL 1000 Laserline carriage laser pointer system
- 3. Pointer system manual to be mounted to the front of the truck
- 4. Pointer system in cab guidance system with monitor (VIDEO GUIDANCE SYSTEM)
- 5. Material lift mounted to the truck bed with step or platform to load thermo plastic material into the melter pots. (ECOA 6,500 or Bishmon 6,500 lifts or equal).
- 6. L-10 Moyno pump speed control mounted in the timing boxes
- 7. Arrow Board and Flashers (Sound off Signal)
- 8. Beacon and strobe lights L.E.D. (or equal) (Sound off Signal)
- 9. (2) centerline material guns (spray)
- 10. (1) edgeline material gun (spray)
- 11. No Crossover line needed.
- 12. Four (4) total bead guns / (2) for normal operations and additional (2) for double drop
- 13. Detachable bead tanks mounted on the rear of the truck (Removable) for wet reflective bead application when desirable.
- 14. Bearings/Bushings mounted on the top of the material Kettles/Pots for the agitators. Not to be mounted in the bottom of the material holding Kettles/Pots.
- Secondary Propulsion System has been removed and is now listed as Optional Equipment, the price does not include this option.

Items #1 through #14 are identified on the following two (2) pages, labeled Cost Submittal Equipment Clarification.

- 1. CAB & CHASSIS (Dual Steering and Controls)
 - ₹ 2020 Peterbilt Model 520 Cab & Chassis with highway insulation kit, 236" WB. 79,430 GVW. 20,000 lb. capacity front axle and suspension (19,430 tire limited). 46,000 lb. capacity rear axles with 46,000 lb. capacity Peterbilt Air Trac air ride suspension with a 13,200 lb rated steer pusher axle installed. Paccar MX-11 430 HP turbo diesel engine with compression brake, 270 amp alternator and vertical LH exhaust. Allison 4500 RDS-P 6 speed electronic automatic transmission, 4:78 rear end ratio. Air brakes with anti-lock feature and air dryer. Aluminum wheels, one 100-gallon fuel tank, AM/FM/CD stereo radio, air conditioning, air ride seats, heated and motorized mirrors, LED taillights. DOT inspection performed on chassis prior to shipment. Cab and equipment painted City of Columbus Yellow #4015 beds and gun carts painted black.
- 2. Two (2) Laserline GL-1000 Laser Guidance lasers installed, one per carriage with quick connect military type electrical connections to facilitate the removal and storage of the lasers.
- 3. Center mounted foldable steel guide assembly with hydraulic lift mounted to front bumper.
- 4. Two camera color video guidance system. System includes a 10.4" LCD flat screen color monitor with suction mount and padded storage bracket, a video crosshair generator with controller, two (2) color cameras with 18mm lenses mounted inside MRL weather resistant, self-leveling housings attached to electrically actuated (extended) mounting brackets and a two position image selector switch.
- 5. Two (2) 6,000 LB. rated capacity Penta material lifts installed on the material deck to facilitate the loading of material in the melters.

Note: ECOA and Bishmon do not manufacture the lifts in the required widths or lengths to allow safe handling of two pallets of material (each lift) MRL has been utilizing the Penta 6,000 lb rated capacity material lifts in ALL previous builds.

- 6. Two (2) Moyno IL-10 hydraulically driven material pumps. Dual speed capability on both pumps. Knife gate valves at pump inlets operated by electric actuator. A 2"dia. inlet with a 2" cap will be plumbed into the system below the striper deck to enable thermoplastic to be pumped into the stripers kettles from another source by utilizing the existing Moyno pumps. Digital readout pump RPM indicators installed.
- 7. Four by eight foot (4'x8') 25 light LED WANCO multifunction arrow board mounted to the rear canopy. Controller and actuator switch mounted at the rear console area.

 Note: currently Sound Off Signal does not manufacture Arrow Boards, MRL has been utilizing Wanco LED Arrow Boards for over 13 years and are very well supported by WANCO.

- 8. One (1) 48" LED Sound Off Signal amber warning strobe beacon mounted on the chassis cab roof.
 - Four (4) Sound Off Signal LED amber strobes mounted, two on the front of the cab and two mounted at the rear of the unit
 - Four (4) Sound Off Signal LED amber strobes mounted, two on the E/L side and two on the C/L side under the material deck to alert "cross traffic".
 - Four (4) Sound Off Signal LED amber strobes mounted, two on the E/L side and two on the C/L side mounted to the front and rear of the carriages <u>in addition</u> to the standard turn/hazard signals.
 - Four (4) Whelen M6 LED amber strobes (#71034), approximately 4" x 6", two on front of the cab and two mounted at the rear of the unit.
- 9. CENTERLINE GUN CARRIAGE (auto reverse-up carriage feature).

Centerline gun carriage to include:

- Two (2) MRL "Convertible" thermoplastic guns with 1/2" spray nozzles.
- 10. EDGELINE GUN CARRIAGE (auto reverse-up carriage feature).

Edgeline gun carriage to include:

- One (1) oil-jacketed MRL "Convertible" thermoplastic gun with 1/2" spray nozzle.
- 11. No cross-over installed (also known as a Dedicated White only gun)
- 12. C/L Gun Carriage

Four (4) MRL bead guns with adjustable fan attachments.

E/L Gun Carriage

Two (2) MRL bead guns with adjustable fan attachments.

13. Two (2) removable, approximately 240 LB SST bead tanks, each installed with a hitch receiver type mount at the rear of the unit with quick couplings to allow for easy removal/installation for double drop/wet reflective media applications.

Note: see attached photos for reference of rear mounted removable bead/element tanks.

14. Melter agitator shafts will have a double bearing (topside of the melter) alignment, no bushings/bearings will be located at the bottom of the melter.

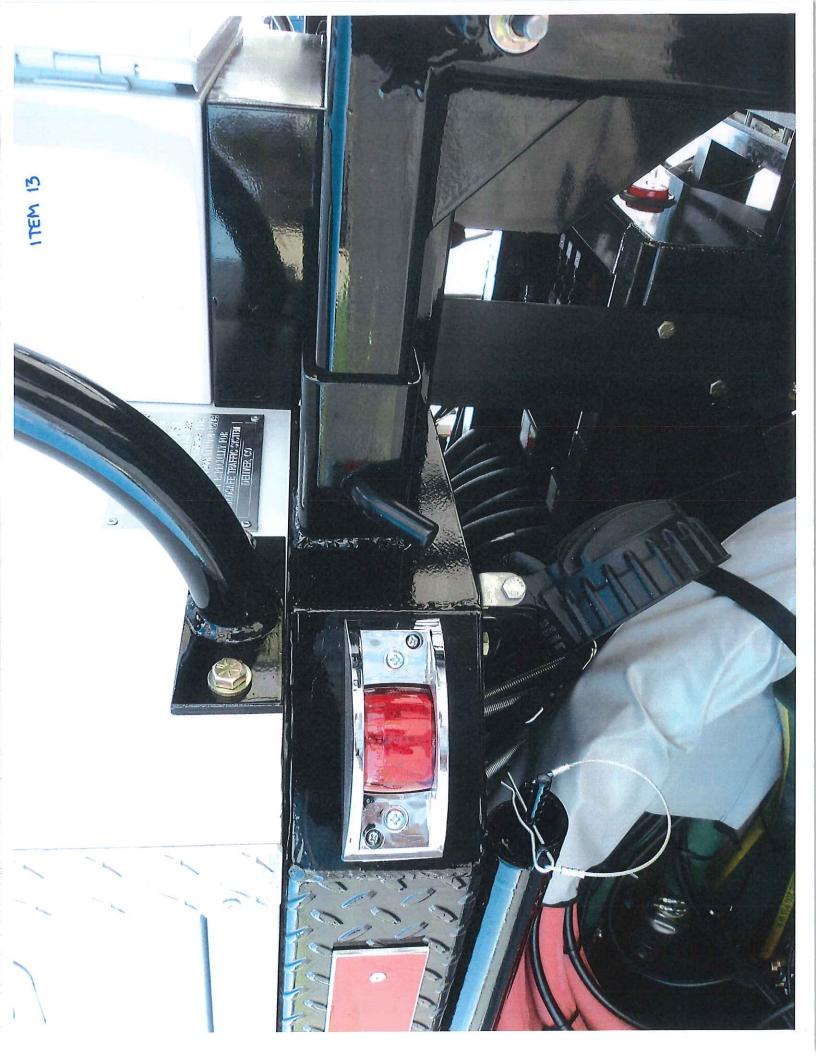




Clarification for Item #13

Detachable Bead Tanks









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MRL MDEL 4-8000-G THERMOPLASTIC STRIPING APPARATUS ADDITIONAL SPECIFICATIONS





Page 2 of 5

The following equipment, parts and systems will be assembled by the Seller to provide to the Buyer an item of equipment capable of applying reflectorized thermoplastic marking materials. The two-speed pump control on the left side and right side material pumps shall be capable of maintaining two even width and thickness lines simultaneously while in either double solid application or solid and skip application. The material pump hydraulic system will enable the pumps to maintain a low RPM for screed or ribbon application.

EQUIPMENT PARTS AND SYSTEMS

POWER EQUIPMENT

- BOSS 250 IT4 cfm utility mount air compressor powered by a John Deere diesel with 160 amp alternator. Additional air end oil- heat exchanger installed.
- Pone (1) hydraulically driven hydraulic oil cooler installed on the compressor enclosure.
- Some of the unit's hydraulic equipment powered by a power take-off feature on the chassis Allison transmission.

FABRICATED PARTS

- Steel platform with railings, built-in rear access steps, side access ladders, arrow board rack, 85" x 32" rear deck with expanded steel insert with inset step, rear railings with tail lights installed with inset step and four (4) built-in popping pans. Material storage area a minimum of 96" X 96" made of 3/16ths steel.
- Two (2) thermoplastic pre melting kettles with foldable feed step assemblies and railings.
- Two (2) removable Bi-fold 55" tall steel side railings at the material storage areas.
- Heavy duty, hydraulically extendable, diamond machined tube gun carriage assemblies, 4' Extension on both sides from the edge of the bed.
- Hydraulically raised and lowered heavy duty scissors style gun carts. Dual pneumatic wheel assembly on both gun carts.
- Mounted hydraulic steering orbitals with steering wheels to control the lateral movement of the gun carriages.
- Two (2) jacketed material filter/manifold assemblies with internal screens and full flow SST outlet valves mounted on the gun carts, one (1) per side.
- Four (4) bead manifolds with exhaust mufflers mounted on the gun carts. Two (2) per side.
- Hinged rear operator's control console mounted between the rear operators stations.
- Two (2) lockable tool boxes mounted on the rear of the deck area with two (2) high back bucket seats with armrests and seat belts mounted on top of the tool boxes.
- Aluminum tread plate to cover some surfaces.
- Two (2) weather-resistant, stainless steel boxes to protect the Epic switch boxes.
- Hydraulic reservoir with sight gauge and magnetic particle separator mounted on top of the compressor housing.
- Steel step assemblies with hand rails mounted to bed to access material re-circ valve handles.





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- Heat transfer oil expansion tank with heat shield, sight glass and overflow outlet with hose.
- Install two (2) sliding ratcheting mechanisms under the material storage deck, include two (2) heavy duty straps and ratchet bar.
- E Steel and aluminum canopy installed over the rear operators' stations.

MARKING MATERIAL SYSTEM

- Two (2) propane fired 4,000 pound capacity air-jacketed, vertical design thermoplastic pre-melting kettles (8,000 lb. total capacity) with hydraulically driven agitators and thermostatically controlled automatic ignition systems. Kettle burner compartments lined with stainless steel. "Free-floating" SST burner deflector plates. Kettles interconnected and separated with insulated flexible joints and knife gate valve. Each kettle to have 3" diameter "cleanout" outlets. Two (2) 3" diameter ports installed in the lids, one (1) per lid.
 - o SST deflector plates can be removed/installed without the use of tools.
- Two (2) 75 gallon capacity D.O.T. approved propane tanks mounted under the striper bed.
- Low RPM pump control to enable ribbon or screed extrusion applications.
- An oil-jacketed material line installed between the left and right-side material plumbing mounted under the striper deck.
- Thermoplastic material re-circulation with 1" I.D. re-circ lines on both material pumps.
- 1 1/2" I.D. oil-jacketed lines from the material pump outlet to filter/manifold assemblies.
- Two (2) oil-jacketed material filter/manifold assemblies mounted on the carts. 1 per side.
- ₹ 1 1/4" I.D. oil-jacketed lines from the filter/manifolds to the guns.
- An air system to blow down the pumps, manifolds, material lines and guns for clean

MARKING MATERIAL HEAT TRANSFER OIL SYSTEM

- Diesel fired heat transfer oil heating device with a diesel burner assembly and thermostatically controlled automatic electronic ignition system.
- ANSUL fire suppression system installed with automatic activation switches:
 - Dry chemical fire suppression system installed above the heat transfer oil furnace with automatic firing sensors. Two (2) remote firing stations.
- Heat transfer oil expansion tank with heat shield and overflow hose mounted on the deck.
- Heat transfer oil expansion tank with heat shield and overflow hose. Two hydraulically driven heat transfer oil circulation pumps. One for the left and right side pump, lines and guns. Transfer oil temperature gauges installed at various points in oil circulation system.





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GLASS BEAD SYSTEM - Double Drop Bead System.

- One (1) A.S.M.E. certified 36" diameter, 2,100 lb capacity bead tank mounted between the material pumps on the operator's deck. Bead tank will have 9" lid and 2" suction inlet. Three (3) sight glasses installed in this bead tank.
- Venturi vacuum bead loading system installed. Venturi exhausted through muffler below bed. One (1) 15' bead suction hose included. Butterfly valve installed at bead tank bead load supply port.

AIR SYSTEM

- Blow air system plumbed to the gun carts. System has on, off and auto functions.
- A high efficiency air cooler with hydraulically driven fan installed on compressed air system to cool the compressed air.
- Self-expelling moisture traps on the main airline and the bead tank supply.
- Two (2) Laman dryer/extractors installed on the air supply lines to the bead tanks.
- Coalescing dryer tank on compressed air system to condense moisture.
- Poiler installed on the main airlines to the gun carriage solenoids.
- Pouick coupler to the air system at the rear of the unit to facilitate the use of air tools.
- Air pressure regulators installed in the control console to control bead tank pressure and spray gun atomizing pressures.
- "Blow down" compressed air system to purge residual thermoplastic from the pumps, manifolds, re-circulation lines, material lines and guns.

ELECTRONICS

Adjustable electronic Epic serial communication timing system. Serial communication system consists of two switchboxes located at the rear operator's stations and a "slave" box mounted in the main electrical junction box. Each switchbox has individual control of skip cycles, footage counters, digital speedometers, bead lead/lag controls etc. The single LCD display in each switchbox serves the skip cycle, footage counter and digital speedometer display functions. Switchboxes will be fully interchangeable and enable simultaneous application of different skip cycles. Metric conversion capability and profile with rock hop application capability. Digital speedometer and printer in chassis cab. Moyno material pump RPM controls located in the timing boxes.





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ELECTRONICS..continued

- Three (3) station David Clark aviation type intercom system with (3) ultralight headsets.
- Two (2) dual oval LED amber strobe lights, one per side mounted on each side of the rear of the unit on the canopy uprights.
- 12-volt electric actuator (mounted in the low position) to raise and lower the arrowboard.
- Ten (10) mounted 12 volt LED lights for night use. Two lights mounted on each gun cart, one mounted to illuminate the control console and two mounted on extendable posts between the air compressor and the material storage area, one to illuminate the furnace area (switch located in the console) and two (one per corner) mounted under the rear deck corners to illuminate the rear of the unit to facilitate observation of bead application to the line during night work.
- Three (3) linear actuators installed to raise and lower the spray guns.
- Two (2) weather resistant boxes, one per gun cart, installed on gun carriages to house the gun actuating and atomized air solenoids.
- Digital display RPM counters installed on each material pump. Digital displays mounted in the control console.
- Example Kettle material temperature gauges with digital readout installed near kettle feed doors.
- Digital "read-only" gauges installed in the cab to facilitate the monitoring of the melter and furnace temperatures.
- A low light, high resolution backup camera with cab mounted monitor installed.

ADDITIONAL EQUIPMENT

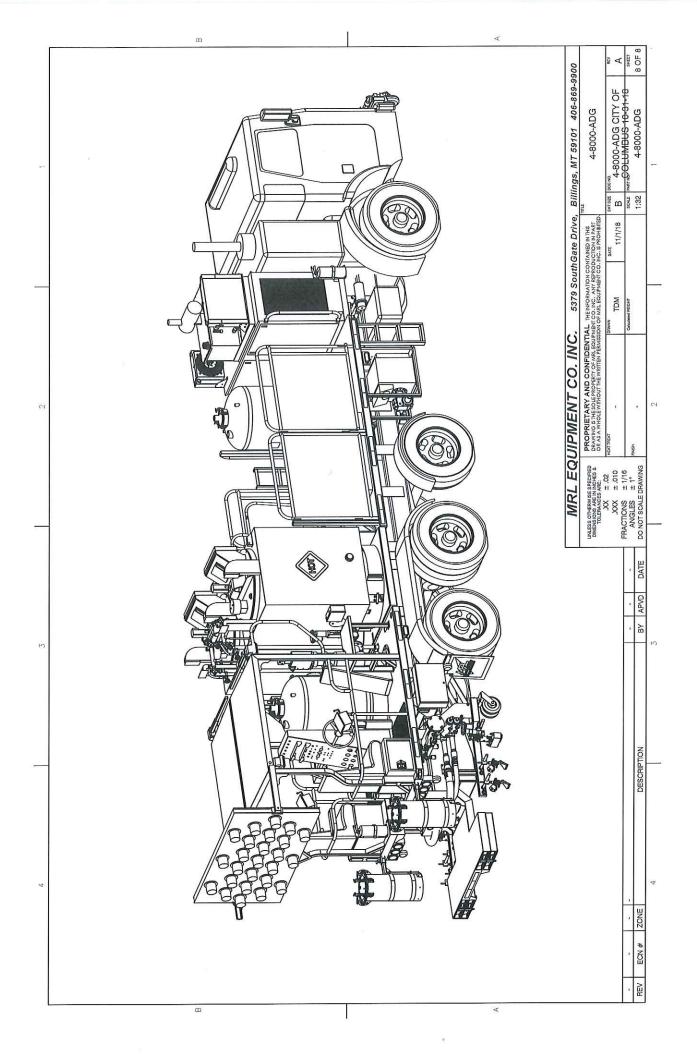
- → Two (2) 5 drawer mini tool boxes installed at /near the operators seat boxes (black).
- Hand cleaner dispenser with two containers of hand cleaner.
- One (1) 5gallon water cooler installed at the rear area of the striping unit.
- One (1) 2.5 gallon water cooler installed at the compressor area for the bag loading team members.
- Four (4) mounted fire extinguishers.
- First Aid kit.
- Warning triangles.
- Four (4) "HOT/3257" placards installed, one on the C/L side of the melter and one on the E/L side of the melter, one on the front of the unit and one on the rear of the unit.
- Insulated covers for the material filter/manifolds.
- Conspicuity tape mounted on aluminum panels installed around the striper perimeter.
- Weather resistant vinyl cover for rear operators control console.
- Aluminum fenders with mudflaps installed over the rear wheels and tires with quick release feature.

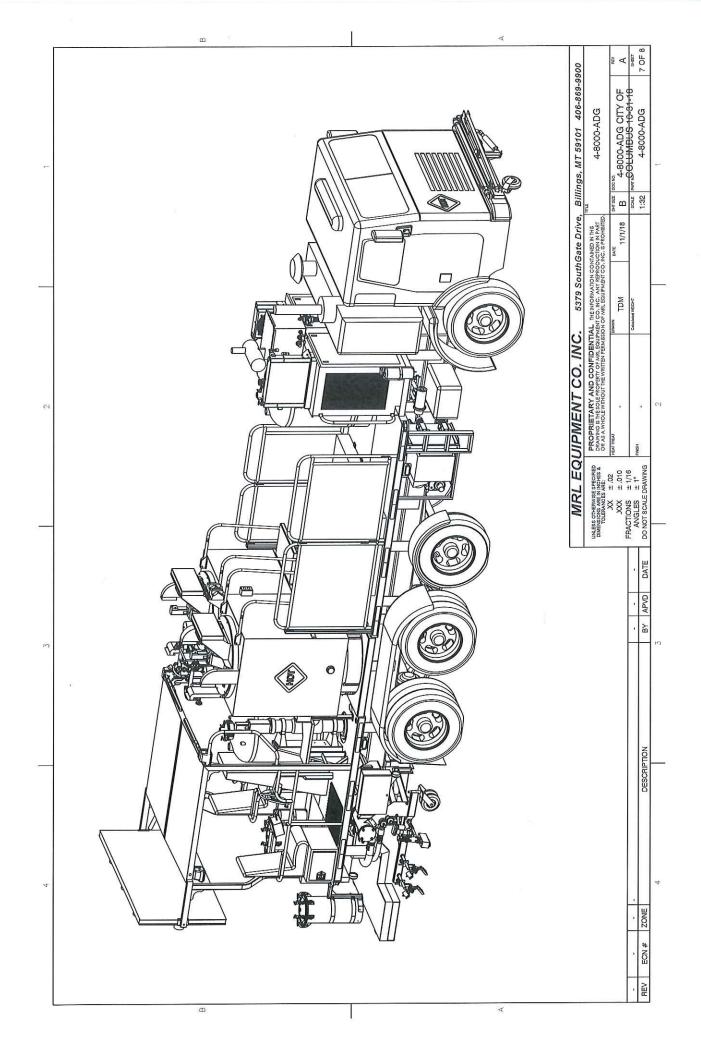


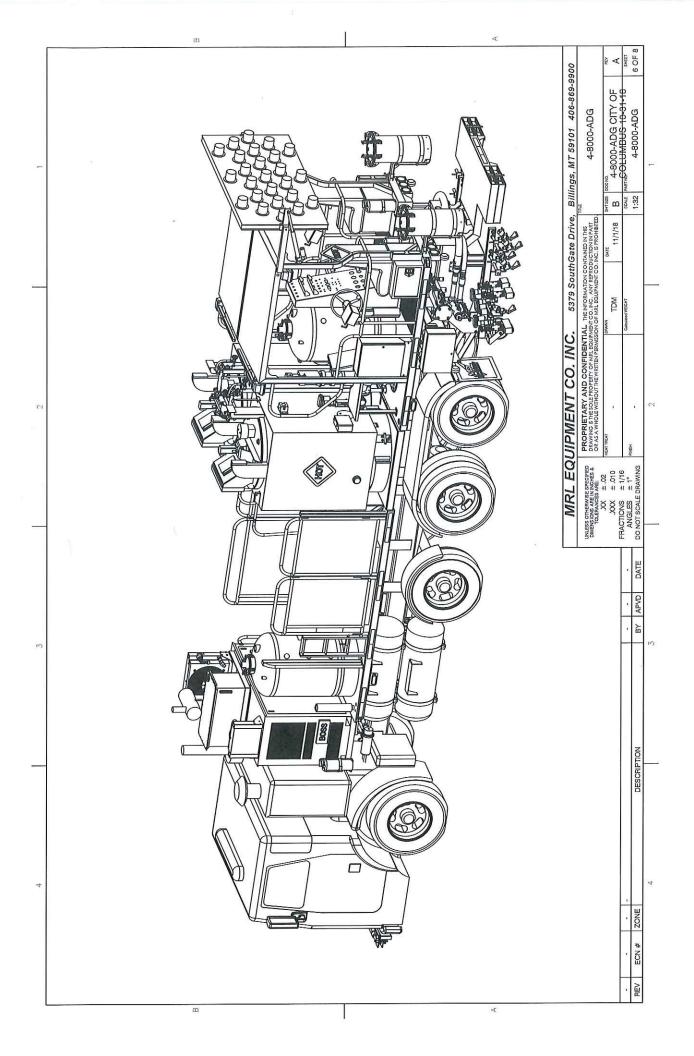


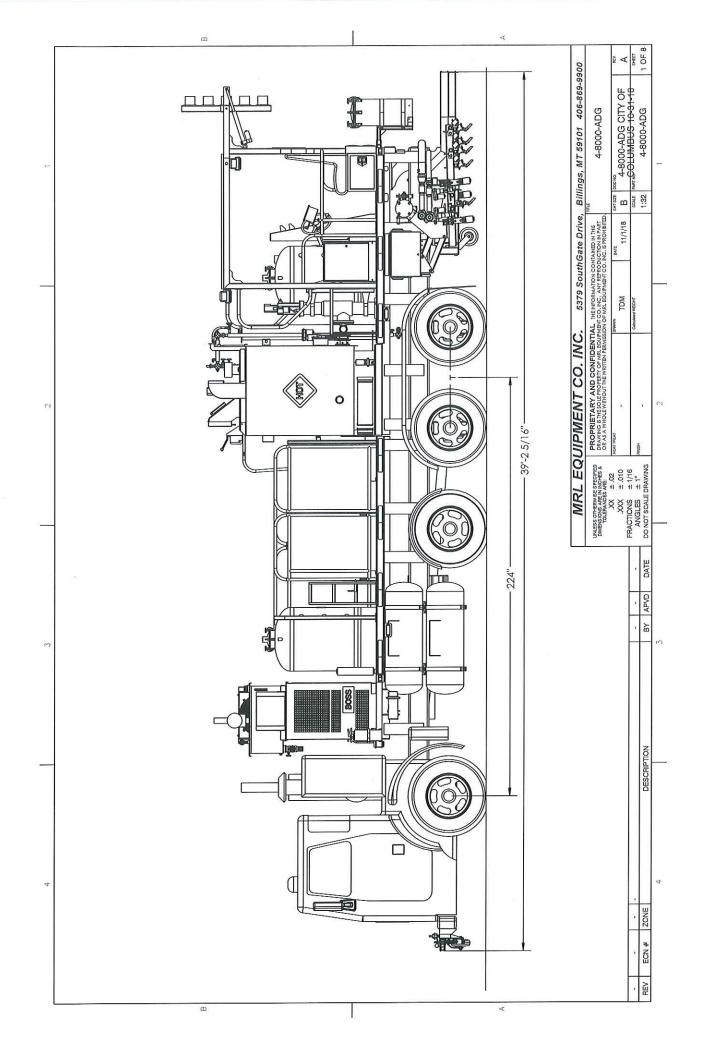
MRL MDEL 4-8000-G THERMOPLASTIC STRIPING APPARATUS FOR THE CITY OF COLUMBUS OHIO

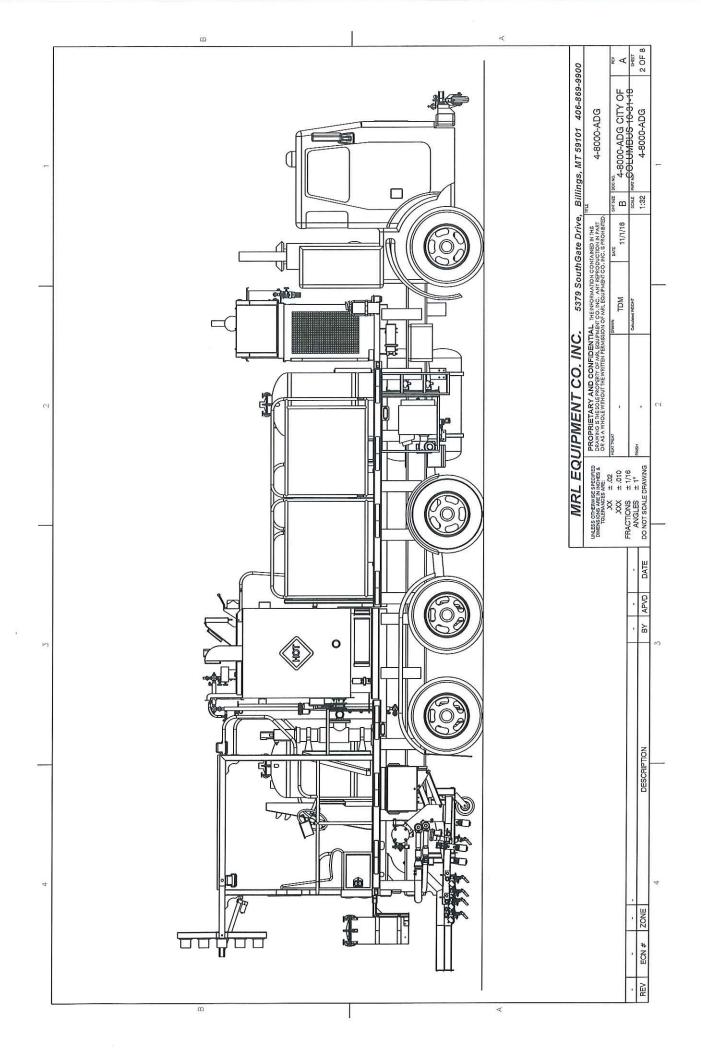
DRAFT DRAWINGS

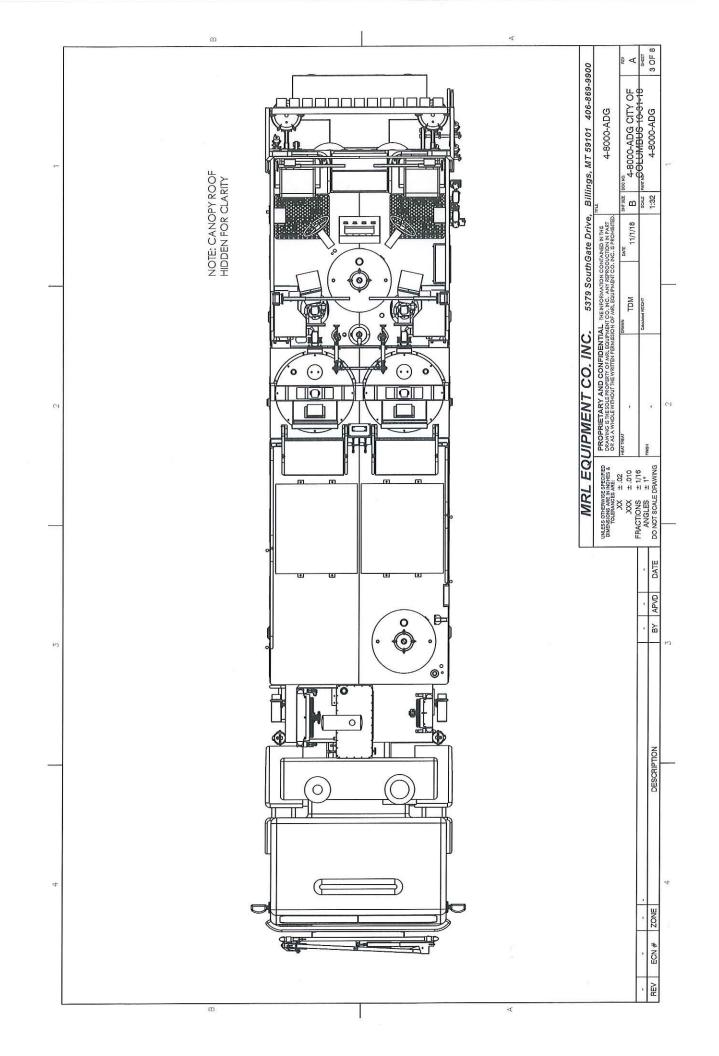


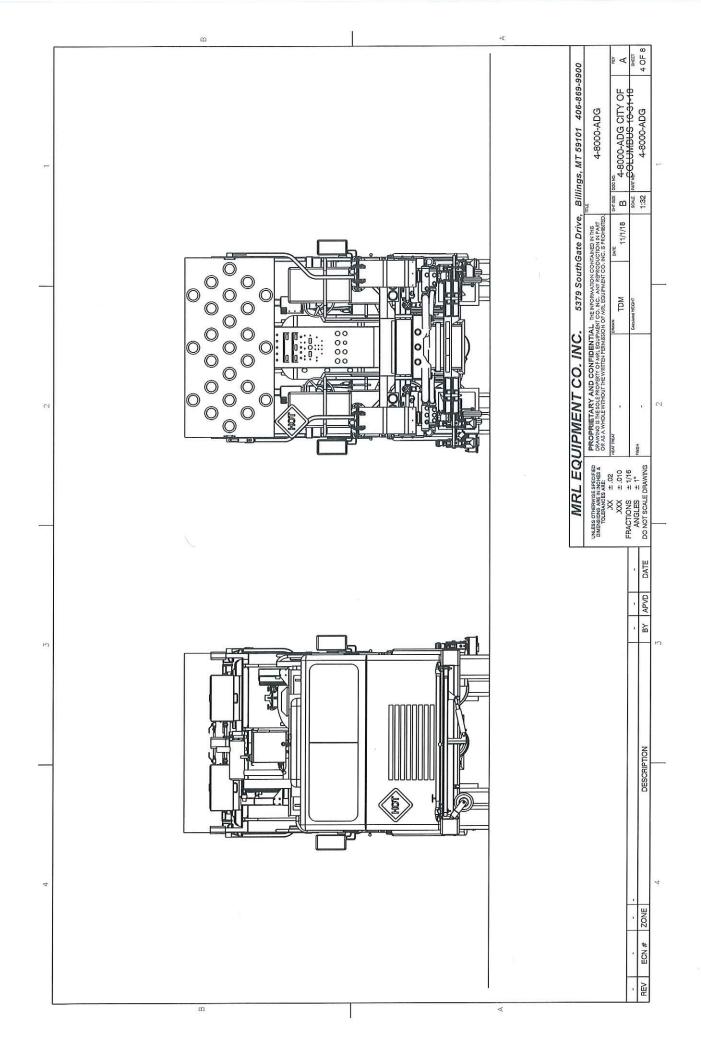


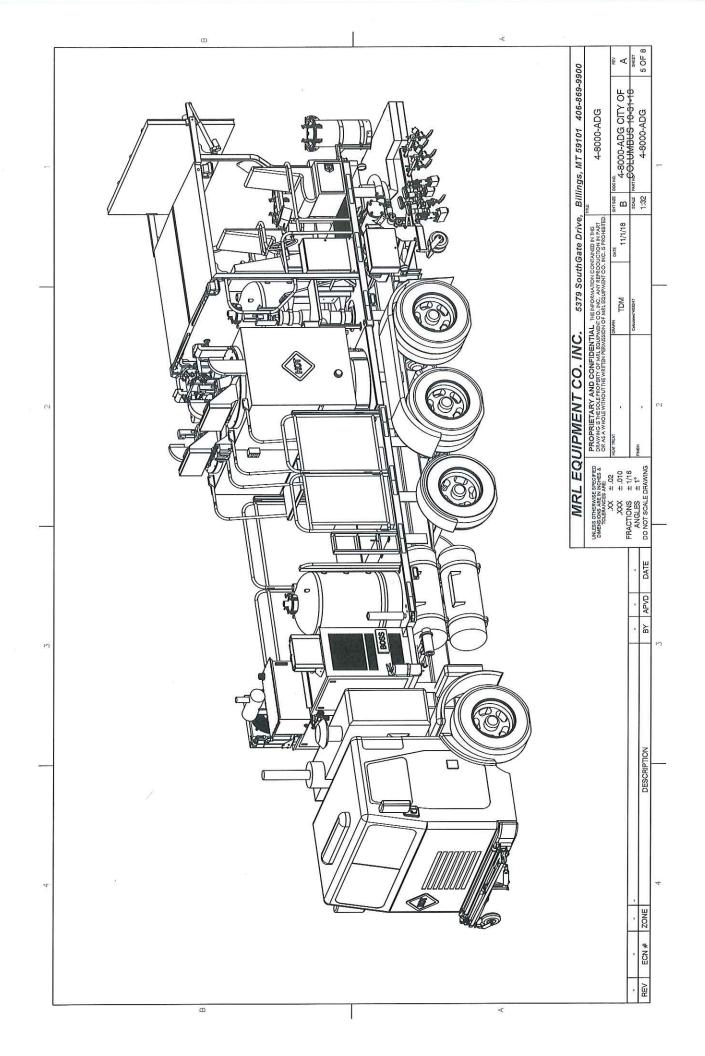
















PETERBILT CAB & CHASSIS SPECIFICATIONS

PETERBILT

MRL EQUIPMENT COMPANY-STOCK Montana Peterbilt M500 1110 3RD Ave North 5379 SOUTHGATE DRIVE **BILLINGS, Montana United States 59101** Billings, Montana United States 59101 Phone: (406) 869-9900 Phone: (406) 252-5667 Fax: Fax: (406) 252-9949 Email: DWeimer@MontanaPB.com **Contact Email:** Prepared for: **Default Contact Vehicle Summary** Chassis Unit 19840 Model 520 Fr Axle Load (lbs): Model: Rr Axle Load (lbs) 46000 Full Truck Type: 107446 G.C.W. (lbs): 79340 Description: Road Conditions: Application 100 Class A (Highway) City Delivery Intended Serv.: Class B (Hwy/Mtn) 0 Other Commodity Commodity: Class C (Off-Hwy) 0 Class D (Off-Road) 0 Body Platform w/Devices Maximum Grade: 6 Type: Wheelbase (in): 220 12 Length (ft): Overhang (in): 96 8.0 Height (ft): Fr Axle to BOC (in): 0.1 2000 Max Laden Weight (lbs): Cab to Axle (in): 219.9 Cab to EOF (in): 315.9 Trailer Overall Comb. Length 390 0 No. of Trailer Axles: (in): Type: 0 Special Req. Length (ft): United States Registry 0.0 Height (ft): 0 Kingpin Inset (in): 0 Corner Radius (in): Restrictions 40 Length (ft): 102 Width (in): Height (ft): 13.5 Date: Approved by: Note: All sales are F.O.B. designated plant of manufacture. Ask your dealer for a quote today, or visit our website @ www.paccarfinancial.com. PACCAR Financial offers innovative finance, lease and insurance programs customized to meet your needs. Unpublished options may require review/approval. Dimensional and performance data for unpublished options may vary from that displayed in PROSPECTOR.

Model 520

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Complete

11/29/2018 3:45:36 PM

Jan 1, 2019

Dan Weimer

Printed:

Effective Date:

Prepared by:

Model Number:

Quote/DTPO/CO:

Version Number:

PETERBILT

Montana Peterbilt M500 1110 3RD Ave North		MRL EQUIPMENT COMPANY-STOCK 5379 SOUTHGATE DRIVE	
Billings, Mo Phone: Fax: Email:	ntana United States 59101 (406) 252-5667 (406) 252-9949 DWeimer@MontanaPB.com	BILLINGS, Montana United States 5910 Phone: (406) 869-9900 Fax: Contact Email: Prepared for: Default Contact	1
	D	escription	Weight
Base Model			10 175
	industry. The rugged, aluminum increased uptime and lap seam frame for corrosion resistance. E watertight performance. This low dimension of productivity and vecab tilt enhances maintenance a	vithstand the harsh demands of the refuse cab delivers best-in-class durability for construction on a zinc-coated steel sub-ulkhead-style doors provide years of cab forward vehicle adds a new resatility. An industry-leading, 65-degree nd serviceability. Body installation is cost inter console provides convenient access	16,475
	Other Commodity	2	0
		tht, typically operating within a 100-mile nways and other paved surfaces. Typically ivery.	0
	Platform w/Devices		0
	United States Registry		0
Configuration	on		
Comiguration	Not Applicable Secondary Manufacturer		0
Frame & Eq	10-3/4in Steel Rails 343-450	6,000 RBM; Yield Strength: 120,000 psi.	319
-	Full Steel Inner Liner		755
	Frame Components Bolted		0
	EOF Square with Steel Xmk		64
	Omit Rear Mudflaps and Ha	ngers	0
Front Axle &	& Equipment		
	fittings on tie rod ends, king pins maintenance & help extend serv EMGARD® FE 75W-90 syntheti economy improvement. Reduce resulting in increased uptime. P	nprove handling & reduce tire wear. Zerk , & draglink ball joints for ease of ice life of components. Cognis c axle lube provides over 1% fuel s wear & extends maintenance intervals, rovides improved fluid flow to protect ditions & withstand the stress from high	0
	Taper Leaf Springs, Shocks	20,000 lb	0
	Standard with Heavy Resistance		0
	Power Steering Sheppard S	ו עמ טוו עו טוו עו וייט טווי עו	U

	For use with 22,000 lb. axle ratings. Glidekote splines on steering shaft	
	extend service life of components. PHP10 Aluminum PreSet PLUS Hubs Air Disc	-55
	Use with Front Axle Dana Spicer 5in Drop IPO 3.5in, Front Axle	0
	5" drop (127MM) provides lower chassis suspension and profile.	Ü
	Dana Spicer Wide Track IPO Std, Front Axle 71in KPI IPO 69in for E1202, E1322, E1462, D2000F front axles. For improved turning radius.	15
P. P. C.	Air Disc Front Brakes	0
	Complies with reduced stopping distance regulations.	
Rear Axle & Equip		0
	Dana Spicer D46-172 46,000 lb	945
	Watson-Chalin SL1190SSR (1) 13,500 lb Pusher Includes (1) air tank. Self-Steering Pusher	
	48in Pusher Axle Spacing From Centerline of Forward Drive Axle	0
	PHP10 Iron PreSet PLUS Hubs, Cast Drums With 13.5K or 20K Self-Steering Pusher Axles	0
	PHP10 Iron PreSet PLUS Hubs	0
(4	Long Stroke Parking Brakes, Drive Axle(s)	0
	Diff Lock Rear-Rear Or Single Drive Axle (Air Rocker Switch occupies the space of one gauge)	24
	Rear Brake Camshaft Reinforcement	9
	Gusseted Cam Brackets, Drive Axle(s)	2
	SBM Valve Full trucks require a spring brake modulation (SBM) system for emergency braking application. This system requires an SBM valve and a relay valve with spring brakes on the rear axles. The SBM valve allows the foot valve to operate the rear axle spring brakes if a failure exists in the rear air system.	0
	Anti-Lock Braking System (ABS) 4S4M ABS-6. Includes air braking system.	0
	Synthetic Axle Lubricant All Axles Peterbilt heavy duty models include Fuel Efficient Cognis EMGARD FE75W-90 which provides customers performance advantages over current synthetic lubricants with reduced gear wear and extended maintenance intervals, resulting in increased uptime. In addition, the lubricant provides improved fluid flow to protect gears in extreme cold conditions and withstand the stress from high temperatures, extending component life.	0
	Lift Axle Regulator Mtd on Crossmember, Switch and Gauge in Dash.	0
	Bendix Air Cam Rear Drum Brakes 16.5x7 Includes Automatic Slack Adjusters & Outboard Mounted Brake Drums.	0
	Ratio 4.78 Rear Axle	0
9	Peterbilt Air Trac 46,000 lbs, 54in Axle Spacing Light Weight	0
	Dash Mtd Dump Switch With Indicator Light For suspension	2
Engine & Equipme	PACCAR MX-11 430@1600 GV@2200 1650@900 (2017 Emissions) N20690 N162 64Maximum Accelerator Pedal Ve N20700 N006 64Max Cruise Speed (N006) N20710 N052 650Idle Target (N052) N20740 N015 NOEnable MX Retarder in Neutra	670
	N20710 N052 650ldle Target (N052)	

	70 N013 4Downhill Speed Limiter Vehic	
	80 N001 16Minimum Speed to Turn Cruise	
	90 N003 19Minimum Cruise Control Speed 00 N002 19Min Speed to Automatically T	
	30 N039 OFFAllow Multi-Torque Only When	
	40 N187 5Timer Setting Non-PTO Mode w	
	50 N188 5Timer Setting Non-PTO Mode w	
	60 N185 40Low Ambient Temperature Over	
N208	70 N184 80High Ambient Temperature Ove	
N209	00 N186 5Timer Setting When in PTO Mo	
	10 N190 YESReset EIST Timer Based on En	
	30 N071 ONFIC Enable/Disable (N071)	
	NO72 1900Maximum Fast Idle Control En	
	90 N078 ONPTO Mode Disabled w/ Clutch	
	100 N101 ONPTO Mode Disabled w/ Service	
	110 N079 ONPTO Mode Enable Only w/ Park 120 N080 1PTO Vehicle Speed Limit (N08	
	30 N089 ONPTO Mode Enable Only w/ Tran	
	00 N087 780RPM Set Point (N087)	
	10 N086 2000Maximum Engine Speed During	
	60 N110 1Enable Set Point w/ Set/Acce	
	70 N191 NOOverrule EIST Timer Based on	
N211	90 N193 0Expiration Distance (N193)	
N212	30 N197 YESEnable Accelerator Pedal Res	
	40 N198 YESEnable Service Brake Reset (
	50 N199 YESEnable Clutch Pedal Reset (N	
	N200 YESAllow EIST Timer Overrules i	
	N163 0Maximum Cycle Distance (N163	
	100 N169 0Expiration Distance (N169)	
	110 N170 65Standard Maximum Speed Limit 120 N106 650Minimum Engine Speed During	
N216	N179 YESEnable Park Brake Reset (N17	
	50 N173 0Reserve Speed Offset (N173)	
	N164 252Reserve Speed Function Reset	
	000 N073 0Cab Accel Pedal Type in PTO	
	10 N182 30Coolant Temperature Overrule	
N219	20 N219 3Offset mode (N219)	
	30 N224 0Maximum Vehicle Speed Bonus	
	40 N227 -2Maximum Vehicle Speed Penalt	
	N246 4Minimum Vehicle Speed for DS	
	N247 1Lowest Gear that DSA will be	
	170 N248 6Highest Gear that DSA will b 180 N076 2000Max Accelerator Controlled E	
	90 N307 OFFCab Accelerator Active in Re	
	ine Idle Shutdown Timer Enabled	0
		0
	ble EIST Ambient Temp Overrule	0
	EIST NA Expiration Miles	0
	ctive VSL Setting NA	
	cal Operating Speed 65 MPH	0
	Retarder State Cruise Control On	0
	ual Mode Engine Parameter)	
	ertrain Optimized for Fuel Economy	0
	analysis for vehicles which operate at or near cruise speed 90 plus	
	ent of time.	0
	ertrain Optimization Declined By	0
	er / Customer	0
	ole MX Retarder Auto Retard (Engine Parameter)	0
Engi	ine Monitoring Protection - Derate	0
	CAR MX) A warning is provided in the A-Panel display when DPF	
	neration is required. Continued operation without regeneration will e automate derating of the engine's power and can result in damage	
	e automate defailing of the engine's power and can result in damage	
	B Engine Idling Compliance	0
CAR	Engine ming compliance	O

	PACCAR PX-7, PX-9 and MX, Cummins ISL, ISM and ISX diesel engines will include the required factory installed serialized sticker on the drivers door to identify them as meeting the NOx idling standard.	
	270 Amp Alternator, Standard Brush 12 Volt system with circuit protection for reliable easy maintenance & service. Weather pack silicone sealed electrical chassis connectors enhance value, durability, reliability. Wires numbered every 4" or less.	10
	PACCAR Premium Starter-MX Engines Only	0
11	2 PACCAR Premium 12V Starting Batteries 2000 CCA Threaded stud type terminal. Stranded copper battery cables are double aught (00) or larger to reduce resistance.	-62
	Kissling Battery Disconnect Switch 300 AMP; Mounted on battery box	3
	2-Speed Fan Clutch For Frequent Start/Stops	0
	Wabco 25.9 CFM Air Compressor, MX only	7
	Compression Brake, MX	0
	PACCAR Fuel/Water Separator Standard Service	0
	No Fluid Heat Option for Fuel Filter	0
	No Electric Heat Option for Fuel Filter	0
	Engine Protection Shutdown Includes oil pressure, oil temperature, coolant temperature, and intake manifold temperature.	0
	High Efficiency Cooling System Cooling module is a combination of steel and aluminum components, with aluminum connections to maximize performance and cooling capability. Silicone radiator & heater hoses enhance value, durability, & reliability. Constant tension band clamps reduce leaks. ClimaTech extended life coolant extends maintenance intervals which reduces maintenance costs. Anti-freeze effective to -30 degrees F helps protect the engine. Low coolant level sensor warns of low coolant condition to prevent engine damage. Radiator Size by Model: 587: 1330 sq in, 579/367 FEPTO 1325 sq in, 567/365/367: 1440 sq in, 384/386: 1301 sq in, 365 FEPTO: 1184 sq in, 389/367 HH: 1669 sq in, 348: 1000 sq in, 320: 1242 sq in.	0
	Bugscreen-Removable Type Grill Mtd	0
	Additional clips at bottom of bugscreen. Stainless Steel Grille	0
	Heavy Duty Air Cleaner Molded rubber air intake connections with lined stainless steel clamps seal	0
	to prevent contaminants in air intake.	
	Exhaust Vertical LH DPF/SCR LH Back of Cab Vertical (2017).	0
	Curved Tip Standpipe(s)	1
	36in Ht, 5in Dia Chrome, Clear Coat Standpipe(s)	4
Transmission & E	Equipment	200
	Allison 4500 RDS-P Transmission, Gen 5 Rugged Duty Series. Includes Rear Transmission Support except on MX engines, TranSynd Transmission Fluid, and Water Oil Heat Exchange. Also includes features that monitor the transmission fluid, filter and clutch condition. Will display percent life remaining for the transmission fluid, filter and clutches on the shift selector. This information may be displayed using the Mode and Up and Down buttons. A wrench icon will also be included to indicate when the transmission fluid, filter or clutches need servicing. (Suited for vehicles operating on/off highway and/or requiring PTO operation) Forward Ratios: 1st-4.70, 2nd-2.21, 3rd-1.53, 4th-1.00, 5th-0.76, 6th-0.67 / Reverse Ratios: DR-(5.55)	390
	1810 HD Driveline, 1 Midship Bearing	15
	4.5in x .180 wall tubing	
	(1) Dash Mounted Single Acting Air PTO Control	0

	Standard with PTO engaged indicator light on Class 8 units. Occupies the	
	space of one gauge. Specing PTO switch does not ensure the PTO will fit. ALLISON 5TH GEN RDS, PKG 223	0
	Allison FuelSense 2.0 Not Desired	0
	Omit Allison Neutral At Stop	0
	Console Mounted Push Button Shifter	0
	Allison transmissions	
	Allison 6-Speed Configuration, Wide Ratio Gears Allison 4500 Transmission Only	0
Air & Trailer Equi		0
	Bendix AD-IS EP Air Dryer with Heater And Coalescing Filter; Extended Purge	Ü
	Pull Cords All Air Tanks	1
	Nylon Chassis Hose	0
	Steel Painted Air Tanks	0
	All air tanks are steel with painted finish except when Code 4543330 Polish Aluminum Air Tanks is also selected (then exposed air tanks outside the frame rails will be polished aluminum). Peterbilt will determine the optimal size and location of required air tanks. Narratives requesting a specific air tank size or location will not be accepted for factory installation. See ECAT to determine number or location of air tanks installed.	
	Dual Brake Pedals	0
	Only Available with 6501100 or 6501110.	
Tires & Wheels		
	FF: BR 20PLY 385/65R22.5 R244	6 32
	RR: MN 14ply 11R22.5 X Line Energy Z	0
	Code-rear Tire Qty 08 FF: Alcoa 823627 22.5X12.25 Clean Buff Finish	-82
	Aluminum	02
	RR: Alcoa 883677 22.5X8.25 Clean Buff Finish	-200
	Aluminum	1100
	Code-rear Rim Qty 08	0
	FF: Polish Wheels, Outer Surface, Sgl/Tdm Steer	0
	Polish outer surface of outer wheel. Without chrome wheel nuts.	0
	RR: Polished Wheels, Outer Surface, Tandem Drive Polish outer surface of outer wheels (4). Without chrome wheel nuts.	U
	PR: Polished Wheels, Outer Surface	0
	All pusher axles. Polish outer surface of outer wheel.	Ü
	PR:(2) MN 14ply 275/80R22.5 X Line Energy Z	226
	(1) self-steering pusher axle.	
	PR: (2) Alcoa 883677 22.5X8.25 Clean Buff Finish Aluminum, (1) self-steering pusher axles.	90
	Aluminum, (1) sen-steering pusher axies.	
Fuel Tanks	001 41 1 1 1 100 0 11 1 1 1 1 1 1 1 1 1	10
	26in Aluminum 100 Gallon Fuel Tank LH BOC Paddle handle filler cap with threadless filler neck. Top draw fuel plumbing reduces chance of introducing air into the fuel system during low fuel level conditions due to the central placement of fuel pickup tube. Wire	18
	braid fuel lines increase durability & reduce potential for leaks.	
	Location LH BOC 100 Gallon	0
	Fuel Cooler Required with single fuel tank.	0
	Locate BOC Fuel Tanks Forward As Far As Possible May Result in Filler Neck Under Sleeper.	0
	DEF Tank Mounted LH BOC	0
	Models 220 and 520 mounted LH cab fender Less Than Standard DEF To Fuel Ratio 2:1	0
	Greater than minimum 1:1	U
	DEF Tank 520	0

	per Aluminum Space Saver Battery Box RH BOC	-11
11	Steel Bumper Channel Painted	(
	Includes two front tow eyes with pins.	
	Screen Over Air Intake Opening In Bumper	
Cab & Equipment		
	53in LCF ProBilt Cab Dual Seated Drive	8
	Dual Steer w/auto trans. Includes steel frames w/alum and fiberglass	
	panels, all alum doors, dual door stops, door locks, tinted safety glass thru-out, cab and door mounted entry grab handles, 65 degree hydraulic	
	tilt, sstl grille, dual rear cab fenders, service module BOC (cab tilt pump, oil	
	fill and dipstick, coolant fill and check, fluid fill and dipstick for auto trans),	
	door mounted armrests, full insulation, rubber floor mats, engine tunnel	
	mounted control console, removable instrument panel w/speedometer	
	message center, two engine oil pressure gauges, cigar lighter and	
	ashtray,inside sunvisor,17in black steering wheels LH and RH w/horn buttons, power windows, 18in step height, extended metal step w/ addt'l	
	grab handle, Front and side Directionals, Remote radio control and HVAC	
	head for applicable drive station, Multi-function turn stalk, Pantograph	
	wiper operation for expanded coverage area, Stylized single rectangular	
	headlight.	(
	4.5 Inch Rubber Flares on Cab and Wheel Well Fenders	λ
	Peterbilt Driver Seat	(
	Peterbilt Passenger Seat	(
	Air Ride Driver	43
	High Back Driver	(
	Vinyl Driver	(
	Air Ride Passenger	43
	Low Back Passenger	(
	Vinyl Passenger	(
	Gray Interior Color	(
	Includes ABS gray headliner & rear cab panel, gray vinyl engine tunnel	
	cover. For LH, RH, and dual steer dual seated power windows are standard on both doors. For dual steer RH stand-up the LH window is	
	power and the RH window is a manual sliding window.	
	Fixed Steering Column	(
	Steering Wheels for Dual Steer	(
	16 inch LH and RH drive station.	
	Rear Window Back of Cab Dark Tint	(
	18.5in X 54in Two Piece Flat Windshield	(
	Combo Fresh Air Heater/Air Conditioner	(
	With radiator mounted condenser, dedicated side window defrosters, Bi-	
	Level Heater/Defroster Controls, 54,500 BTU/HR, and silicone heater	
	hoses.	
	Outside Sunvisor - Stainless Steel	4
	Not available with 2.1M high roof sleeper.	
	Chromed LH/RH Tri-plane Mirrors, Heated,	-{
	Mounted to Doors. Chrome mirror shell / black arms. Features: Heated on	
	All Three Surfaces, Upper/Lower Mirrosr are Convex and Middle is a Flat Pane Motorized Mirror. Right Click on Option and Select Picture to See a	
	Picture of the Mirror.	
	(1) Air Horn 24.5in Chrome - Round w/Horn Shield	(
	ConcertClass w/CD, Bluetooth Phone and Audio	10
	Includes AM/FM, WB, USB and MP3.	
	Midlevel Speaker Package For Cab	6

	SmartLINQ Remote Diagnostics SmartLINQ is Peterbilt's proprietary remote diagnostics service which monitors the engine and aftertreatment for diagnostic codes providing real-	
	time code analysis maximizing vehicle uptime and strengthening the fleets partnership with their dealer. SmartLINQ provides fault coverage for over 800 codes, a customizable email notification for 116 codes plus a web portal to manage your entire fleet included at no additional charge. SmartLINQ is compatible with any telematics system and doesn't require a specific fleet management system. For those whose customers utilize PeopleNet, the pre-wire with remote diagnostics will provide a more integrated solution utilizing the existing SmartLINQ modem. For those whose customers utilize other fleet services products, the existing pre-wire option for the other fleet service devices will continue to be available SmartLINQ is standard with MX-13 engines and available on the models 587,579,567,389,367 and 365.	
	Rain Gutters Over Driver and Passenger Doors	8
	Peterbilt Pantograph Windshield Wipers With intermittent feature.	U
	Backup Alarm (107dB)	3
	Engine Oil Temperature Gauge Located in Driver Information Display	0
	Main Transmission Oil Temperature Gauge Located in Driver Information Display	0
	Air Restriction Indicator Mounted on Exhaust Stanchion	0
	Up To (4) Additional Electric Switches Without wiring	1
	Suspension Pressure Gauge Located in Driver Information Display	0
	Headlights Single Rectangular LED	0
,	(5) LED Clearance With (2) LED Marker Lights Includes (5) lights mounted on roof of cab and (1) cab side marker light mounted in front of each cab door.	0
Paint	Standard Paint Color Selection	0
	(1) Color Axalta Two Stage - Cab/Hood Base Coat/Clear Coat N85020 A - L0006EY WHITE N85500 CAB ROOF L0006EY WHITE N85200 FRAME L0001EA BLACK N85700 BUMPER L0001EA BLACK	0
Options Not Subject	ct To Discount Peterbilt Class 8 Standard Coverage	0
	1 year/100,000 Miles (160,000 km)	
	PACCAR MX Standard Coverage 2 yrs/250,000 mi (400,000 km)/6,250 hrs	0
	Vehicle Layout Option is not subject to discount. Fleets will be split prior to build so that the charge is applied to only one unit. Quotes will not reflect this. N94000 DAN WEIMER N94010 DWEIMER@MONTANAPB.COM	0
Miscellaneous	2017 EPA Emissions Engine Warranty Only	0
Total Weight		19869
	Prices and Specifications Subject to Change Without Notice.	

Unpublished options may require review/approval. Dimensional and performance data for unpublished options may vary from that displayed in PROSPECTOR.

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