

Prepared For :
xxx xxx
Columbus City Of
77 N Front St
Columbus, OH 43215
UNITED STATES
Phone :614 645 6104

Prepared by:
Jonah Schneider
FYDA FREIGHTLINER COLUMBUS,INC
2700 NE PLAIN CITY - GEORGESVILLE RD
WEST JEFFERSON, OH 43162
Phone :6148510002

SPECIFICATION PROPOSAL

Data Code	Description	Weight Front	Weight Rear
Price Level			
PRL-30M	M2 PRL-30M (EFF:MY27 ORDERS)		
Data Version			
DRL-009	SPECPRO21 DATA RELEASE VER 009		
Vehicle Configuration			
001-172	M2 106 PLUS CONVENTIONAL CHASSIS	5,709	3,450
004-227	2027 MODEL YEAR SPECIFIED		
002-004	SET BACK AXLE - TRUCK		
019-004	STRAIGHT TRUCK PROVISION, NON-TOWING		
003-001	LH PRIMARY STEERING LOCATION		
General Service			
AA1-002	TRUCK CONFIGURATION		
AA6-002	DOMICILED, USA 50 STATES (EPA CLEAN IDLE LABEL OR NO CLEAN IDLE REQUIRED)		
99D-027	EPA CLEAN IDLE LABEL - (INCLUDES 6X4 INCH LABEL ON LOWER FORWARD OF DRIVER DOOR)		
A85-010	UTILITY/REPAIR/MAINTENANCE SERVICE		
A84-1GM	GOVERNMENT BUSINESS SEGMENT		
AA4-010	DIRT/SAND/ROCK COMMODITY		
AA5-002	TERRAIN/DUTY: 100% (ALL) OF THE TIME, IN TRANSIT, IS SPENT ON PAVED ROADS		
AB1-008	MAXIMUM 8% EXPECTED GRADE		
AB5-001	SMOOTH CONCRETE OR ASPHALT PAVEMENT - MOST SEVERE IN-TRANSIT (BETWEEN SITES) ROAD SURFACE		
995-091	MEDIUM TRUCK WARRANTY		
A66-99D	EXPECTED FRONT AXLE(S) LOAD 12000.0 lbs		
A68-99D	EXPECTED REAR DRIVE AXLE(S) LOAD 23000.0 lbs		



Data Code	Description	Weight Front	Weight Rear
A63-99D	EXPECTED GROSS VEHICLE WEIGHT CAPACITY 35000.0 lbs		

Truck Service

AA3-006	UTILITY BODY		
AF3-166	P.B. LOADER CORPORATION		
AF7-99D	EXPECTED BODY/PAYLOAD CG HEIGHT ABOVE FRAME "XX" INCHES 32.0 in		

Engine

101-3BN	CUM L9 300 HP @ 2200 RPM; 2200 GOV RPM, 860 LB-FT @ 1200 RPM	640	30
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Electronic Parameters

79A-075	75 MPH ROAD SPEED LIMIT		
79B-000	CRUISE CONTROL SPEED LIMIT SAME AS ROAD SPEED LIMIT		
79U-001	PTO GOVERNOR RAMP RATE - 25 RPM PER SECOND		
79V-001	FUEL DOSING OF AFTERTREATMENT ENABLED IN PTO MODE-CLEANS HYDROCARBONS AT HIGH TEMPERATURES ONLY		
79W-027	CRUISE CONTROL BUTTON PTO CONTROL AND THREE REMOTE PTO SPEEDS		
79X-003	PTO SPEED 1 SETTING - 800 RPM		
79Y-001	PTO SPEED 2 SETTING - 900 RPM		
79Z-016	PTO SPEED 3 SETTING - 1100 RPM		
80G-015	PTO MINIMUM RPM - 800		
80J-002	REGEN INHIBIT SPEED THRESHOLD - 5 MPH		
80S-022	PTO 1, WITH SWITCH, TEM SUPPLIED REQUEST AND INTERLOCKS, WITH PTO CONNECTIONS, ENGAGE WHILE DRIVING INTERLOCKS		

Engine Equipment

99C-024	EPA 2010/GHG 2024 CONFIGURATION		
13E-001	STANDARD OIL PAN		
105-001	ENGINE MOUNTED OIL CHECK AND FILL		

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Data Code	Description	Weight Front	Weight Rear
014-1B5	SIDE OF HOOD AIR INTAKE WITH DONALDSON HIGH CAPACITY AIR CLEANER WITH SAFETY ELEMENT, FIREWALL MOUNTED		
124-1D7	DR 12V 160 AMP 28-SI QUADRAMOUNT PAD ALTERNATOR WITH REMOTE BATTERY VOLT SENSE		
292-206	(3) DTNA GENUINE, FLOODED STARTING, MIN 2850CCA, 525RC, THREADED STUD BATTERIES	40	20
290-017	BATTERY BOX FRAME MOUNTED		
281-001	STANDARD BATTERY JUMPERS		
282-001	SINGLE BATTERY BOX FRAME MOUNTED LH SIDE UNDER CAB		
291-017	WIRE GROUND RETURN FOR BATTERY CABLES WITH ADDITIONAL FRAME GROUND RETURN		
289-001	NON-POLISHED BATTERY BOX COVER		
293-058	NON-ESSENTIAL POSITIVE LOAD DISCONNECT, IN CAB CONTROL SWITCH MOUNTED OUTBOARD OF DRIVER SEAT	2	
295-029	POSITIVE AND NEGATIVE POSTS FOR JUMPSTART LOCATED ON FRAME NEXT TO STARTER	2	
306-015	PROGRESSIVE LOW VOLTAGE DISCONNECT AT 12.3 VOLTS FOR DESIGNATED CIRCUITS	2	
107-032	CUMMINS TURBOCHARGED 18.7 CFM AIR COMPRESSOR WITH INTERNAL SAFETY VALVE		
108-002	STANDARD MECHANICAL AIR COMPRESSOR GOVERNOR		
131-013	AIR COMPRESSOR DISCHARGE LINE		
152-040	ELECTRONIC ENGINE INTEGRAL WARNING AND DERATE PROTECTION SYSTEM		
128-076	CUMMINS ENGINE INTEGRAL BRAKE WITH VARIABLE GEOMETRY TURBO ON/OFF	20	
016-1C2	RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH B-PILLAR MOUNTED VERTICAL TAILPIPE	30	25
28F-014	ENGINE AFTERTREATMENT DEVICE, AUTOMATIC OVER THE ROAD REGENERATION AND VIRTUAL REGENERATION REQUEST SWITCH IN CLUSTER		
239-020	10 FOOT 00 INCH (120 INCH+0/-5.9 INCH) EXHAUST SYSTEM HEIGHT		
237-1CR	RH CURVED VERTICAL TAILPIPE B-PILLAR MOUNTED ROUTED FROM STEP		
23U-001	6 GALLON DIESEL EXHAUST FLUID TANK		



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Data Code	Description	Weight Front	Weight Rear
30N-003	100 PERCENT DIESEL EXHAUST FLUID FILL		
43X-002	LH MEDIUM DUTY STANDARD DIESEL EXHAUST FLUID TANK LOCATION		
23Y-001	STANDARD DIESEL EXHAUST FLUID PUMP MOUNTING		
43Y-001	STANDARD DIESEL EXHAUST FLUID TANK CAP		
242-011	ALUMINUM AFTERTREATMENT DEVICE/MUFFLER/TAILPIPE SHIELD(S)		
273-058	AIR POWERED ON/OFF ENGINE FAN CLUTCH		
276-001	AUTOMATIC FAN CONTROL WITHOUT DASH SWITCH, NON ENGINE MOUNTED		
110-003	CUMMINS SPIN ON FUEL FILTER		
118-008	COMBINATION FULL FLOW/BYPASS OIL FILTER		
120-998	NO COOLANT FILTER	-10	
266-101	900 SQUARE INCH ALUMINUM RADIATOR	15	
103-040	ANTIFREEZE TO -60F, OAT (NITRITE AND SILCATE FREE) EXTENDED LIFE COOLANT		
171-007	GATES BLUE STRIPE COOLANT HOSES OR EQUIVALENT		
172-001	CONSTANT TENSION HOSE CLAMPS FOR COOLANT HOSES		
270-016	RADIATOR DRAIN VALVE		
168-002	LOWER RADIATOR GUARD		
138-011	PHILLIPS-TEMRO 1000 WATT/115 VOLT BLOCK HEATER	4	
140-053	BLACK PLASTIC ENGINE HEATER RECEPTACLE MOUNTED UNDER LH DOOR		
134-001	ALUMINUM FLYWHEEL HOUSING		
132-004	ELECTRIC GRID AIR INTAKE WARMER		
155-058	DELCO 12V 38MT HD STARTER WITH INTEGRATED MAGNETIC SWITCH		
Transmission			
342-582	ALLISON 3000 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION	200	60



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Transmission Equipment			
343-339	ALLISON VOCATIONAL PACKAGE 223 - AVAILABLE ON 3000/4000 PRODUCT FAMILIES WITH VOCATIONAL MODELS RDS, HS, MH AND TRV		
84B-012	ALLISON VOCATIONAL RATING FOR ON/OFF HIGHWAY APPLICATIONS AVAILABLE WITH ALL PRODUCT FAMILIES		
84C-023	PRIMARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 6, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY		
84D-023	SECONDARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 6, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY		
84E-000	PRIMARY SHIFT SCHEDULE RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		
84F-000	SECONDARY SHIFT SCHEDULE RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		
84G-000	PRIMARY SHIFT SPEED RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		
84H-000	SECONDARY SHIFT SPEED RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		
84J-000	ENGINE BRAKE RANGE PRESELECT RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		
84K-000	ENGINE BRAKE RANGE ALTERNATE PRESELECT RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		
84N-011	NEUTRAL AT STOP ENABLED		
84U-000	DRIVER SWITCH INPUT - DEFAULT - NO SWITCHES		
85E-011	MAXIMUM ENGINE SPEED FOR PTO ENGAGEMENT 1000 RPM		
353-074	QUICKFIT BODY LIGHTING CONNECTOR UNDER CAB, WITH BLUNTCUTS		
34C-011	ELECTRONIC TRANSMISSION WIRING TO CUSTOMER INTERFACE CONNECTOR		
362-2JT	CUSTOMER INSTALLED CHELSEA 281 SERIES PTO	50	
363-001	PTO MOUNTING, LH SIDE OF MAIN TRANSMISSION ALLISON		



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Data Code	Description	Weight Front	Weight Rear
341-018	MAGNETIC PLUGS, ENGINE DRAIN, TRANSMISSION DRAIN, AXLE(S) FILL AND DRAIN		
345-003	PUSH BUTTON ELECTRONIC SHIFT CONTROL, DASH MOUNTED		
97G-004	TRANSMISSION PROGNOSTICS - ENABLED 2013		
370-015	WATER TO OIL TRANSMISSION COOLER, IN RADIATOR END TANK	15	
346-003	TRANSMISSION OIL CHECK AND FILL WITH ELECTRONIC OIL LEVEL CHECK		
35T-001	ATF-SYNTHETIC AUTOMATIC TRANSMISSION FLUID		

Front Axle and Equipment

400-1A6	DETROIT DA-F-12.0-3 12,000# FF1 71.5 KPI/3.74 DROP SINGLE FRONT AXLE	
402-020	MERITOR 15X4 Q+ CAM FRONT BRAKES	
403-002	NON-ASBESTOS FRONT BRAKE LINING	
419-023	CONMET CAST IRON FRONT BRAKE DRUMS	
427-001	FRONT BRAKE DUST SHIELDS	5
409-006	FRONT OIL SEALS	
408-001	VENTED FRONT HUB CAPS WITH WINDOW, CENTER AND SIDE PLUGS - OIL	
416-022	STANDARD SPINDLE NUTS FOR ALL AXLES	
405-002	MERITOR AUTOMATIC FRONT SLACK ADJUSTERS	
536-050	TRW THP-60 POWER STEERING	
539-003	POWER STEERING PUMP	
534-015	2 QUART SEE THROUGH POWER STEERING RESERVOIR	
40T-003	SYNTHETIC 40/50W FRONT AXLE LUBE	

Front Suspension

620-1D8	13,300# TAPERLEAF FRONT SUSPENSION	75
619-005	MAINTENANCE FREE RUBBER BUSHINGS - FRONT SUSPENSION	



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Data Code	Description	Weight Front	Weight Rear
410-001	FRONT SHOCK ABSORBERS		

Rear Axle and Equipment

420-037	MERITOR RS-23-161 23,000# R-SERIES SINGLE REAR AXLE		174
421-538	5.38 REAR AXLE RATIO		
424-001	IRON REAR AXLE CARRIER WITH STANDARD AXLE HOUSING		
386-011	SPL170 XL DANA SPICER MAIN DRIVELINE WITH HALF ROUND YOKES	25	25
423-020	MERITOR 16.5X7 Q+ CAST SPIDER CAM REAR BRAKES, DOUBLE ANCHOR, FABRICATED SHOES		
433-002	NON-ASBESTOS REAR BRAKE LINING		
434-012	BRAKE CAMS AND CHAMBERS ON REAR SIDE OF DRIVE AXLE(S)		
451-023	CONMET CAST IRON REAR BRAKE DRUMS		
425-002	REAR BRAKE DUST SHIELDS		5
440-006	REAR OIL SEALS		
426-100	WABCO TRISTOP D LONGSTROKE 1-DRIVE AXLE SPRING PARKING CHAMBERS		
428-002	MERITOR AUTOMATIC REAR SLACK ADJUSTERS		
41T-002	CURRENT AVAILABLE SYNTHETIC 75W-90 REAR AXLE LUBE		

Rear Suspension

622-1DC	26,000# FLAT LEAF SPRING REAR SUSPENSION WITH HELPER AND RADIUS ROD		170
621-002	SPRING SUSPENSION - 1.00" AXLE SPACER		
431-001	STANDARD AXLE SEATS IN AXLE CLAMP GROUP		
623-005	FORE/AFT CONTROL RODS		

Pusher / Tag Equipment

429-998	NO PUSHER/TAG BRAKE DUST SHIELDS
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Brake System

018-002	AIR BRAKE PACKAGE
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Data Code	Description	Weight Front	Weight Rear
490-100	WABCO 4S/4M ABS		
871-001	REINFORCED NYLON, FABRIC BRAID AND WIRE BRAID CHASSIS AIR LINES		
904-001	FIBER BRAID PARKING BRAKE HOSE		
412-001	STANDARD BRAKE SYSTEM VALVES		
46D-002	STANDARD AIR SYSTEM PRESSURE PROTECTION SYSTEM		
413-002	STD U.S. FRONT BRAKE VALVE		
432-003	RELAY VALVE WITH 5-8 PSI CRACK PRESSURE, NO REAR PROPORTIONING VALVE		
480-047	BW AD-IS (DRM) BRAKE LINE AIR DRYER WITH SHIELD, HEATER AND INTEGRAL RESERVOIR		
479-014	AIR DRYER RESERVOIR MOUNTED		
460-001	STEEL AIR BRAKE RESERVOIRS		
477-008	BW DV-2 AUTO DRAIN VALVE WITH HEATER - WET TANK, PETCOCKS ALL OTHERS		

Trailer Connections

481-998	NO TRAILER AIR HOSE
476-998	NO AIR HOSE HANGER
310-998	NO TRAILER ELECTRICAL CABLE

Wheelbase & Frame

545-525	5250MM (207 INCH) WHEELBASE		
546-122	8.0MM X 89.0MM X 261MM STEEL FRAME (0.31X3.50X10.28 INCH) 140KSI	180	40
552-030	1600MM (63 INCH) REAR FRAME OVERHANG		
55W-006	FRAME OVERHANG RANGE: 61 INCH TO 70 INCH		
AC8-99D	CALC'D BACK OF CAB TO REAR SUSP C/L (CA) 141.14 in		
AE8-99D	CALCULATED EFFECTIVE BACK OF CAB TO REAR SUSPENSION C/L (CA) 138.14 in		
AE4-99D	CALC'D FRAME LENGTH - OVERALL 308.66 in		



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Data Code	Description	Weight Front	Weight Rear
FSS-0LH	CALCULATED FRAME SPACE LH SIDE 95.95 in		
FSS-0RH	CALCULATED FRAME SPACE RH SIDE 108.52 in		
AM6-99D	CALC'D SPACE AVAILABLE FOR DECKPLATE 0.0 in		
553-001	SQUARE END OF FRAME		
587-003	REAR TOW HOOKS		10
550-001	FRONT CLOSING CROSSMEMBER		
559-001	STANDARD WEIGHT ENGINE CROSSMEMBER		
561-001	STANDARD CROSSMEMBER BACK OF TRANSMISSION		
562-001	STANDARD MIDSHIP #1 CROSSMEMBER(S)		
572-001	STANDARD REARMOST CROSSMEMBER		
565-001	STANDARD SUSPENSION CROSSMEMBER		

Chassis Equipment

556-1AP	THREE-PIECE 14 INCH PAINTED STEEL BUMPER WITH COLLAPSIBLE ENDS	30
558-001	FRONT TOW HOOKS - FRAME MOUNTED	15
574-011	SINGLE LICENSE PLATE BUMPER MOUNTING ON LH SIDE	
585-998	NO MUDFLAP BRACKETS	
590-998	NO REAR MUDFLAPS	
586-024	FENDER AND FRONT OF HOOD MOUNTED FRONT MUDFLAPS	
551-007	GRADE 8 THREADED HEX HEADED FRAME FASTENERS	
44Z-002	EXTERIOR HARNESSSES WRAPPED IN ABRASION TAPE	
607-001	CLEAR FRAME RAILS FROM BACK OF CAB TO FRONT REAR SUSPENSION BRACKET, BOTH RAILS OUTBOARD	

Fifth Wheel

578-998	NO FIFTH WHEEL
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Fuel Tanks



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Data Code	Description	Weight Front	Weight Rear
204-215	50 GALLON/189 LITER SHORT RECTANGULAR ALUMINUM FUEL TANK - LH	20	
218-005	RECTANGULAR FUEL TANK(S)		
215-005	PLAIN ALUMINUM/PAINTED STEEL FUEL/HYDRAULIC TANK(S) WITH PAINTED BANDS		
212-007	FUEL TANK(S) FORWARD		
664-001	PLAIN STEP FINISH		
205-001	FUEL TANK CAP(S)		
122-1H3	DETROIT FUEL/WATER SEPARATOR WITH WATER IN FUEL SENSOR	-5	
216-020	EQUIFLO INBOARD FUEL SYSTEM		
202-016	HIGH TEMPERATURE REINFORCED NYLON FUEL LINE		

Tires

093-16M	CONTINENTAL HSR3 11R22.5 14 PLY RADIAL FRONT TIRES	70	
094-12P	CONTINENTAL HDR2+ 11R22.5 14 PLY RADIAL REAR TIRES		92

Hubs

418-060	CONMET PRESET PLUS PREMIUM IRON FRONT HUBS		
450-060	CONMET PRESET PLUS PREMIUM IRON REAR HUBS		

Wheels

502-752	MAXION WHEELS 91541 22.5X8.25 10-HUB PILOT 6.20 INSET 2-HAND STEEL DISC FRONT WHEELS	-8	
505-752	MAXION WHEELS 91541 22.5X8.25 10-HUB PILOT 2-HAND STEEL DISC REAR WHEELS		-16
496-011	FRONT WHEEL MOUNTING NUTS		
497-011	REAR WHEEL MOUNTING NUTS		

Cab Exterior

829-071	106 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB		
650-008	AIR CAB MOUNTING		
705-012	CAB ROOF REINFORCEMENTS FOR ROOF MOUNTED COMPONENTS		



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Data Code	Description	Weight Front	Weight Rear
678-001	LH AND RH GRAB HANDLES		
646-045	MOLD-IN COLOR GRILLE		
65X-011	MOLD-IN COLOR HOOD MOUNTED AIR INTAKE GRILLE		
644-004	FIBERGLASS HOOD		
690-002	TUNNEL/FIREWALL LINER		
727-1AF	SINGLE 14 INCH ROUND HADLEY AIR HORN UNDER LH DECK	4	
726-001	SINGLE ELECTRIC HORN		
575-001	REAR LICENSE PLATE MOUNT END OF FRAME		
312-075	LED LOW BEAM AND HIGH BEAM HEADLIGHTS		
302-047	LED AERODYNAMIC MARKER LIGHTS		
315-062	RECTANGULAR CLEAR FOG LIGHTS MOUNTED UNDER BUMPER	6	
311-019	HEADLIGHTS ON WITH WIPERS, WITH DAYTIME RUNNING LIGHTS		
294-001	INTEGRAL STOP/TAIL/BACKUP LIGHTS		
300-015	STANDARD FRONT TURN SIGNAL LAMPS		
318-032	SWITCH, INDICATOR LIGHT AND APPROXIMATELY 10 FEET OF WIRE ON CHASSIS RH BACK OF CAB FOR CUSTOMER FURNISHED UTILITY LIGHT(S)		
744-1BK	DUAL WEST COAST MOLDED-IN COLOR HEATED MIRRORS WITH LH AND RH REMOTE		
797-001	DOOR MOUNTED MIRRORS		
796-001	102 INCH EQUIPMENT WIDTH		
743-1AP	LH AND RH 8 INCH MOLDED-IN COLOR CONVEX MIRRORS MOUNTED UNDER PRIMARY MIRRORS		
74A-001	RH DOWN VIEW MIRROR		
74B-080	RH AND LH 8 INCH STAINLESS STEEL FENDER MOUNTED CONVEX MIRRORS WITH TRIPOD BRACKETS	8	
729-001	STANDARD SIDE/REAR REFLECTORS		



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768-043	63X14 INCH TINTED REAR WINDOW		
661-003	TINTED DOOR GLASS LH AND RH WITH TINTED NON-OPERATING WING WINDOWS		
654-011	RH AND LH ELECTRIC POWERED WINDOWS		
663-013	1-PIECE SOLAR GREEN GLASS WINDSHIELD		
659-019	2 GALLON WINDSHIELD WASHER RESERVOIR WITHOUT FLUID LEVEL INDICATOR, FRAME MOUNTED		
Cab Interior			
055-017	PROFESSIONAL TRIM PACKAGE		
707-105	MIST AND CARBON CLOTH INTERIOR "PROFESSIONAL"		
70K-016	CARBON WITH BASE BLACK ACCENT		
706-013	MOLDED DOOR PANEL		
708-013	MOLDED PLASTIC DOOR PANEL		
772-006	BLACK MATS WITH SINGLE INSULATION		
785-025	(1) 12V DASH MOUNTED POWER OUTLET		
691-001	FORWARD ROOF MOUNTED CONSOLE		
693-019	LH AND RH DOOR STORAGE POCKETS INTEGRATED INTO MOLDED DOOR PANELS		
738-021	DIGITAL ALARM CLOCK IN DRIVER DISPLAY		
742-007	(2) CUP HOLDERS LH AND RH DASH		
680-029	M2/SD DASH		
720-003	5 LB. FIRE EXTINGUISHER	10	
700-002	HEATER, DEFROSTER AND AIR CONDITIONER		
701-013	STANDARD HVAC DUCTING WITH PRE-FILTER FOR OUTSIDE AIR INTAKE		
703-005	MAIN HVAC CONTROLS WITH RECIRCULATION SWITCH		
170-015	STANDARD HEATER PLUMBING		



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130-041	VALEO HEAVY DUTY A/C REFRIGERANT COMPRESSOR		
702-002	BINARY CONTROL, R-134A		
739-033	STANDARD INSULATION		
285-013	SOLID-STATE CIRCUIT PROTECTION AND FUSES		
280-007	12V NEGATIVE GROUND ELECTRICAL SYSTEM		
324-1B3	STANDARD LED CAB LIGHTING		
787-998	NO SECURITY DEVICE		
657-001	DOOR LOCKS AND IGNITION SWITCH KEYED THE SAME		
78G-004	KEY QUANTITY OF 4		
655-005	LH AND RH ELECTRIC DOOR LOCKS		
740-998	NO MATTRESS	-20	-15
722-028	TRIANGULAR REFLECTORS KIT WITHOUT FLARES SHIPPED LOOSE IN CAB	10	
756-338	BASIC ISRINGHAUSEN HIGH BACK AIR SUSPENSION DRIVERS SEAT WTIH MECHANICAL LUMBAR AND INTEGRATED CUSHION EXTENSION	30	
760-338	BASIC ISRINGHAUSEN HIGH BACK AIR SUSPENSION PASSENGER SEAT WTIH MECHANICAL LUMBAR AND INTEGRATED CUSHION EXTENSION	25	10
759-006	DUAL DRIVER SEAT ARMRESTS AND INBOARD PASSENGER SEAT ARMREST	6	
711-004	LH AND RH INTEGRAL DOOR PANEL ARMRESTS		
758-1AK	BLACK VINYL DRIVER SEAT COVER		
761-1AK	BLACK VINYL PASSENGER SEAT COVER		
763-102	HIGH VISIBILITY ORANGE SEAT BELTS		
532-002	ADJUSTABLE TILT AND TELESCOPING STEERING COLUMN		
540-044	4-SPOKE 18 INCH (450MM) BLACK STEERING WHEEL WITH SWITCHES		
765-002	DRIVER AND PASSENGER INTERIOR SUN VISORS		



Prepared For :
xxx xxx
Columbus City Of
77 N Front St
Columbus, OH 43215
UNITED STATES
Phone :614 645 6104

Prepared by:
Jonah Schneider
FYDA FREIGHTLINER COLUMBUS,INC
2700 NE PLAIN CITY - GEORGESVILLE RD
WEST JEFFERSON, OH 43162
Phone :6148510002

Data Code	Description	Weight Front	Weight Rear
Instruments & Controls			
106-002	ELECTRONIC ACCELERATOR CONTROL		
732-998	NO INSTRUMENT PANEL-DRIVER		
734-022	FULLY CONFIGURABLE CENTER INSTRUMENT PANELS		
87L-001	ENGINE REMOTE INTERFACE WITH PARK BRAKE INTERLOCK		
870-001	BLACK GAUGE BEZELS		
486-001	LOW AIR PRESSURE INDICATOR LIGHT AND AUDIBLE ALARM		
840-001	DUAL NEEDLE PRIMARY AND SECONDARY AIR PRESSURE GAUGE		
198-003	DASH MOUNTED AIR RESTRICTION INDICATOR WITH GRADUATIONS		
721-001	97 DB BACKUP ALARM		3
149-015	ELECTRONIC CRUISE CONTROL WITH CONTROLS ON STEERING WHEEL SPOKES		
156-007	KEY OPERATED IGNITION SWITCH AND INTEGRAL START POSITION; 4 POSITION OFF/RUN/START/ACCESSORY		
811-044	PREMIUM INSTRUMENT CLUSTER WITH 5.0 INCH TFT COLOR DISPLAY		
81B-003	DIGITAL PANEL LAMP DIMMER SWITCH IN DRIVER DISPLAY		
160-038	HEAVY DUTY ONBOARD DIAGNOSTICS INTERFACE CONNECTOR LOCATED BELOW LH DASH		
844-001	2 INCH ELECTRIC FUEL GAUGE		
148-072	ENGINE REMOTE INTERFACE WITH ONE OR MORE SET SPEEDS		
48H-004	QUICKFIT POWERTRAIN INTERFACE CONNECTOR UNDER CAB WITH BLUNTCUTS		
48C-004	QUICKFIT PROGRAMMABLE INTERFACE CONNECTOR(S) UNDER CAB WITH BLUNTCUTS		
163-014	ENGINE REMOTE INTERFACE CONNECTOR AT POWERTRAIN INTERFACE CONNECTOR		
856-001	ELECTRICAL ENGINE COOLANT TEMPERATURE GAUGE		
864-001	2 INCH TRANSMISSION OIL TEMPERATURE GAUGE		



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Data Code	Description	Weight Front	Weight Rear
867-004	ELECTRONIC OUTSIDE TEMPERATURE SENSOR DISPLAY IN DRIVER MESSAGE CENTER		
830-017	ENGINE AND TRIP HOUR METERS INTEGRAL WITHIN DRIVER DISPLAY		
33A-051	PRE-WIRE; DASH TO ROOF FOR LIGHTBAR/STROBE/BEACON: TWO 30AMP WIRES & TWELVE 10AMP WIRES		
372-123	PTO CONTROLS FOR ENHANCED VEHICLE ELECTRIC/ELECTRONIC ARCHITECTURE		
736-998	NO OBSTACLE DETECTION SYSTEM		
72J-998	NO DR ASSIST SYSTEM		
73H-014	(1) BACKUP CAMERA-END OF FRAME MOUNTED WITH 15 FOOT EXTRA LONG CABLE COILED AT END OF FRAME		
49B-998	NO VEHICLE STABILITY ADVISOR OR CONTROL		
73B-998	NO LANE DEPARTURE WARNING SYSTEM		
852-002	ELECTRIC ENGINE OIL PRESSURE GAUGE		
679-998	NO OVERHEAD INSTRUMENT PANEL		
35M-011	1 QUIKFIT PROGRAMABLE MODULE (QPM/XMC) W/ (4) 20AMP FUSED RELAYS	10	
746-143	7" B-PANEL INTERACTIVE TOUCHSCREEN DISPLAY RADIO W/ USB-C, APPLE CARPLAY, ANDROID AUTO, BLUETOOTH/AM/FM/SXM/WB, WITH MICROPHONE		
747-001	DASH MOUNTED RADIO		
750-002	(2) RADIO SPEAKERS IN CAB		
753-998	NO AM/FM RADIO ANTENNA		
748-006	POWER AND GROUND WIRING PROVISION OVERHEAD		
749-001	ROOF/OVERHEAD CONSOLE CB RADIO PROVISION		
752-017	MULTI-BAND AM/FM/WB/CB LH MIRROR MOUNTED ANTENNA SYSTEM		
75W-998	NO MULTIBAND ANTENNA		
78C-004	INTEROPERABLE SDAR ANTENNA, SHIP LOOSE		
74D-006	STANDARD RADIO WIRING WITH STEERING WHEEL		



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Data Code	Description	Weight Front	Weight Rear
	CONTROLS		
810-027	ELECTRONIC MPH SPEEDOMETER WITH SECONDARY KPH SCALE, WITHOUT ODOMETER		
817-001	STANDARD VEHICLE SPEED SENSOR		
812-001	ELECTRONIC 3000 RPM TACHOMETER		
813-1C8	DETROIT CONNECT PLATFORM HARDWARE		
8D1-313	3 YEARS DAIMLER CONNECTIVITY BASE PACKAGE ON (FEATURES VARY BY MODEL) POWERED BY DETROIT CONNECT ON CUMMINS ENGINES		
6TS-008	(2) TMC RP1226 ACCESSORY CONNECTORS: (1) LOCATED BEHIND PASSENGER SIDE REMOVABLE DASH PANEL (1) CENTER OF OVERHEAD CONSOLE		
162-002	IGNITION SWITCH CONTROLLED ENGINE STOP		
329-133	FOUR EXTRA HARDWIRED SWITCHES IN DASH, ROUTE TO BETWEEN SEATS, BLUNTCUT		
4C1-026	HARDWIRE SWITCH #1, ON/OFF LATCHING, 10 AMPS BATTERY POWER		
4C2-026	HARDWIRE SWITCH #2, ON/OFF LATCHING, 10 AMPS BATTERY POWER		
4C3-016	HARDWIRE SWITCH #3, ON/OFF LATCHING, 20 AMPS IGNITION POWER		
4C4-005	HARDWIRE SWITCH #4,ON/OFF MOMENTARY, 20 AMPS IGNITION POWER		
81Y-005	PRE-TRIP INSPECTION FEATURE FOR EXTERIOR LAMPS ONLY		
264-030	(1) OVERHEAD MOUNTED LANYARD CONTROL FOR DRIVER AIR HORN		
883-998	NO TRAILER HAND CONTROL BRAKE VALVE		
836-015	DIGITAL VOLTAGE DISPLAY INTEGRAL WITH DRIVER DISPLAY		
660-008	SINGLE ELECTRIC WINDSHIELD WIPER MOTOR WITH DELAY		
304-030	ROTARY HEADLAMP SWITCH, MARKER LIGHTS/HEADLIGHTS SWITCH WITH PULL OUT FOR OPTIONAL FOG/ROAD LAMPS		
882-009	ONE VALVE PARKING BRAKE SYSTEM WITH WARNING INDICATOR		
299-020	SELF CANCELING TURN SIGNAL SWITCH WITH DIMMER, HEADLAMP FLASH, WASH/WIPE/INTERMITTENT		



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Data Code	Description	Weight Front	Weight Rear
298-046	INTEGRAL ELECTRONIC TURN SIGNAL FLASHER WITH 40 AMP (20 AMP PER SIDE) TRAILER LAMP CAPACITY		
87T-998	NO WRG/SW-OPTL #2,CHAS,AIR		

Design

065-000	PAINT: ONE SOLID COLOR
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Color

980-40D	CAB COLOR A: CUSTOM YELLOW ELITE L0486EB
986-020	BLACK, HIGH SOLIDS POLYURETHANE CHASSIS PAINT
962-972	POWDER WHITE (N0006EA) FRONT WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)
966-972	POWDER WHITE (N0006EA) REAR WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)
964-6Z7	BUMPER PAINT: FP24812 ARGENT SILVER DUPONT FLEX
963-003	STANDARD E COAT/UNDERCOATING

Certification / Compliance

996-001	U.S. FMVSS CERTIFICATION, EXCEPT SALES CABS AND GLIDER KITS
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TOTAL VEHICLE SUMMARY

Weight Summary

	Weight Front	Weight Rear	Total Weight
Factory Weight+	7215 lbs	4083 lbs	11298 lbs
Total Weight+	7215 lbs	4083 lbs	11298 lbs

Other Factory Charges

PMV-024	GHG24 SURCHARGE - CUMMINS
RD1-313	3 YEARS DAIMLER CONNECTIVITY BASE PACKAGE ON (FEATURES VARY BY MODEL) POWERED BY DETROIT CONNECT ON CUMMINS ENGINES
RD3-998	NO SAFETY EVENT VIEWER
RAG-020	CUMMINS TARIFF CHARGE - \$205
PAT-025	STEEL, ALUMINUM, AND CHINA TARIFF IMPACT FEE 108/114 SD AND M2 106/112
R27-001	MY27 ESCALATOR
P73-2FT	STANDARD DESTINATION CHARGE



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Extended Warranty

WAG-039 TOWING: 2 YEARS/UNLIMITED MILES/KM EXTENDED TOWING COVERAGE \$1200 CAP
FEX APPLIES

(+) Weights Shown are estimates only.
If weight is critical, contact Customer Application Engineering.

(**) Prices shown do not include taxes, fees, etc... "Net Equipment Selling Price" is located on the Quotation Details Proposal Report.

(***) All cost increases for major components (Engines, Transmissions, Axles, Front and Rear Tires) and government mandated requirements, tariffs, and raw material surcharges will be passed through and added to factory invoices.



City of Columbus RFQ031243
Department of Public Service/Division of Infrastructure Management
Pothole Patcher Truck
BIDDER GUIDE

The following information is provided by the City of Columbus to assist you in navigating the formal bid procedures. This information is not to supersede or replace any of the actual bid specifications or requirements; its sole purpose is to provide information on the process. If you have any questions regarding the process, please contact the appropriate City of Columbus representative listed on the bid solicitation (for specification questions see instructions below).

Any addenda issued by the City of Columbus will be posted on this site. The City of Columbus will send notification of addenda to Bidders that have an active login id and password with Columbus Vendor Services and are registered for the commodity code(s) associated with this solicitation.

Though the notification methods above will be utilized to notify bidders of addenda it is ultimately the Bidder's responsibility to check this site for verification of any issued addenda.

IN ORDER FOR YOUR BID TO BE CONSIDERED:

 X **Pricing** is to be entered into the corresponding lines in the body of the RFQ

AND

The following documents must be completed and attached to your response. *Complete this checklist to confirm the items required in your bid. Failure to submit the listed documents may be cause for the rejection of your bid:*

 Completed Product Bid details (pages 6 - 17)

 Reference Pages

 Subcontractor Information

 Experience Documentation

 Literature

 Warranty

Please refer to the Vendor Services User Guide for guidance using the Attachment feature to attach references, literature, warranty information and any other documentation as needed. **ALL ATTACHMENTS MUST BE IN PDF FORMAT TO ATTACH.**

PLEASE NOTE – Per ORC Chapter 1703, to be awarded this bid you must show proof your company is registered and in good standing to do business in the State of Ohio through the Secretary of State, or provide a certified statement that your company falls within one of the exemptions in the Ohio Revised Code Chapter 1703.02. To register or check the status of your company go to <https://www.ohiosos.gov/businesses/>

City of Columbus RFQ031243
Department of Public Service/Division of Infrastructure Management
Pothole Patcher Truck
Detailed Specifications

3.2.3 **Subcontractor Information Required:** If subcontractor(s) are to be used, please list names, addresses, telephone numbers and a contact person for each subcontractor. All subcontracts must have valid contract compliance certification.

3.2.3.1 **Subcontractor Contact:** Should the offeror use subcontractors, the City shall use the offeror as the primary contact point.

3.2.4 **Specification Questions:** Questions regarding this bid, including any exceptions and/or suggested changes to the requirements, must be submitted on the vendor services portal by 11:00 am (local time) on Monday, October 6, 2025. Responses and any necessary addenda will be posted as an amendment to this RFQ on the City's Vendor Services portal no later than 11:00 a.m. (local time) on Thursday, October 9, 2025. The City strongly encourages bidders to submit exceptions and/or changes during this stage of the process. Bidders submitting exceptions and/or changes before this date will greatly reduce the likelihood of their bid being rejected as non-responsive to the specifications. Bidders whom have not registered and created a new user on the City's portal <https://columbusvendorservices.powerappsportals.com/> are strongly encouraged to do so. Notice of any pre-bid notes and addenda will only be sent to Bidders who have registered at the site.

3.2.4.1 For further instructions on how to submit "Vendor Questions" through the Vendor Portal, please see Section "Add Vendor Questions" provided in the City of Columbus Vendor Services User Guide.

3.2.4.2 The City has instructional videos to assist bidders at the portal. Tutorial videos are available to be viewed through You Tube or by clicking the following link:

https://www.youtube.com/channel/UCTIkkGNM7GHIITzoqQVNJIA/videos?shelf_id=0&view=0&sort=dd

SECTION NUMBER	SPECIFICATION DESCRIPTION	DESCRIBE ACTUAL PRODUCT BID
3.3	Specification Information: The equipment shall be a new and unused Diesel Powered Standard Conventional Truck with a mounted LPG heated pothole patching body. The pothole patching unit shall be capable of making permanent asphalt repairs under most weather conditions. The pothole patching unit is to be a PB Loader Model BC-4 or approved alternate. <u>Bidders shall note compliance with the following specifications in the Describe Actual Product Bid column.</u> Indicate make, model, year and description of equipment bid. Bidders shall submit a copy of dealers build sheets with bid.	

City of Columbus RFQ031243
Department of Public Service/Division of Infrastructure Management
Pothole Patcher Truck
Detailed Specifications

SECTION NUMBER	SPECIFICATION DESCRIPTION	DESCRIBE ACTUAL PRODUCT BID
3.3.1	Alternates	
	Bids will be considered on units complying with the specifications. All alternates must be detailed in an attached letter to bid and the Manufacturer and Model clearly identified. Explanations must fully state what is to be furnished. All alternates must exceed specifications. The City of Columbus reserves the right to determine whether any proposed alternates are within the specifications.	
3.3.2	Truck	
3.3.2.1	The unit shall be a Single Axle, Conventional Cab truck.	Comply
3.3.2.2	Chassis shall be suitable for mounting a minimum – 4 cubic yard capacity hopper.	Comply
3.3.2.3	G.V.W minimum rating of 35,000 lbs.	Comply
3.3.2.4	Overall height of body and chassis shall not exceed 13' 6" above level ground or as required for the arrangement and configuration of equipment bid.	Comply
3.3.3	Wheelbase	
3.3.3.1	Shall be 207 inches minimum WB with a 120-inch minimum CA or as required for the arrangement and configuration of the equipment bid.	Comply, will adjust per body Upfitter
3.3.4	Engine	
3.3.4.1	Cummins L9 – 300 HP or equal.	Comply
3.3.4.2	Equipment shall include oil filter, fuel filter, air filter with restriction gauge, water filters, and automatic fan control for specific engine as required by the manufacturer.	Comply
3.3.4.3	Cooling system to be manufacturer's optional extended or increased capacity, with coolant filter, coolant recovery system, and coolant protection to -20 degrees.	Comply
3.3.4.4	Exhaust system with vertical muffler and vertical tail pipe with heat shield and grab handle.	Comply
3.3.4.5	Engine shall be equipped with a warning light and buzzer for high water temperature and low oil pressure and to include automatic engine shut down.	Comply
3.3.4.6	Electronic hand throttle, dash or steering mounted, with quick release.	Comply

City of Columbus RFQ031243
Department of Public Service/Division of Infrastructure Management
Pothole Patcher Truck
Detailed Specifications

SECTION NUMBER	SPECIFICATION DESCRIPTION	DESCRIBE ACTUAL PRODUCT BID
3.3.4.7	Thermostatically controlled 120-volt engine block heater with the engine manufacturer's recommended wattage and a receptacle mounted in front of chassis.	Comply
3.3.4.8	Shall have a minimum of a 28-gallon fuel tank.	Comply exceed 50 gallon
3.3.4.9	Shall have a fuel / water separator with water-in-fuel sensor.	Comply
3.3.4.10	Shall have a minimum of a 6-gallon diesel exhaust fluid tank.	Comply
3.3.5	Transmission	
3.3.5.1	The unit shall be equipped with an Allison 3000RDS with PTO provision, with dash mounted temperature gauge, cooler, filter, and dipstick in accessible location. Acceptable for fluids to be monitored electronically.	Comply
3.3.5.2	The transmission should be equipped with an external heavy-duty water/oil cooler.	Comply
3.3.6	Front Axle, Suspension	
3.3.6.1	Minimum of 12,000 pounds rated, with heavy duty shocks and hydraulic power steering.	Comply
3.3.7	Rear Axle, Suspension	
3.3.7.1	Minimum capacity rating of 23,000 pounds for rear axles.	Comply
3.3.7.2	Suspension shall be minimum 23,000 lb. capacity with multi-leaf spring rear suspension with rubber helper.	Comply exceeds
3.3.8	Frame	
3.3.8.1	The frame shall be the manufacturer's optional heavy duty, off highway type, reinforced by the addition of an inner liner or outer liner extending from the front of the front spring hanger to the rear end of the frame.	Comply
3.3.8.2	Minimum frame ratings: 120,000 PSI.	Comply exceeds
3.3.8.3	Two (2) tow hooks or tow bars mounted on frame on front and rear of chassis.	Comply
3.3.8.4	The after frame (AF) length shall be suitable for the arrangement and configuration of the equipment.	Comply per upfitter req
3.3.8.5	The chassis shall be equipped with a full-width, HD steel front bumper.	Comply

City of Columbus RFQ031243
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Detailed Specifications

SECTION NUMBER	SPECIFICATION DESCRIPTION	DESCRIBE ACTUAL PRODUCT BID
3.3.9	Brakes	
3.3.9.1	Brakes shall be capable of stopping and holding a fully loaded unit in all types of operating conditions.	Comply
3.3.9.2	Service brakes shall be heavy duty, anti-lock, ABS, drum or disc brakes with dust shields, maximum size available for the type of axle used, with automatic slack adjusters at all four (4) wheel locations.	Comply
3.3.9.3	The system shall include a minimum of 13 cubic foot water cooled air compressor.	COMPLY EXCEEDS
3.3.9.4	Spring type safety brake with mechanical screw type release.	Comply
3.3.9.5	The brake system shall be equipped with a Bendix Westinghouse extended purge Model AD-IS heated air dryer or equal.	Comply
3.3.9.6	The primary air tank shall be equipped with DV-2 heated drain valve. All secondary tanks shall be equipped with Berg pull cord drain valves.	Comply heater on Air Dryer may make this option obsolete
3.3.9.7	The parking brake shall be compatible with the Allison RDS transmission and brakes.	Comply
3.3.10	Tires and Wheels	
3.3.10.1	Front tires, (2) two tubeless type properly sized and rated for specified weight load of axle.	Comply
3.3.10.2	Rear tires, minimum (4) four tubeless radial, lug type, properly sized and rated for specified weight of axle.	Comply
3.3.10.3	Front and rear wheels to be hub piloted disc one-piece wheels with one-piece rims.	Comply
3.3.11	Steering	
3.3.11.1	The unit shall include steering box, gears and front axle options for maximum maneuverability.	Comply
3.3.11.2	The power steering pump shall be sized appropriately for the axle being bid.	Comply
3.3.11.3	Each bidder shall supply information showing turning radius of vehicle for each configuration proposed.	Comply when confirmed with upfitter

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Detailed Specifications

SECTION NUMBER	SPECIFICATION DESCRIPTION	DESCRIBE ACTUAL PRODUCT BID
3.3.12	Electrical	
3.3.12.1	Alternator shall be a 12-volt system with a maximum output of not less than 160 amps or as needed for the configuration.	Comply
3.3.12.2	Batteries shall be maintenance free multiple 12-volt battery pack providing a minimum combined CCA rating of 2200 at 0 degrees or as needed for the configuration.	Comply
3.3.12.3	A battery cut-off switch or low voltage disconnect shall be installed on the vehicle. This switch shall not be construed as the ignition switch.	Comply
3.3.12.4	All electrical wiring shall be color coded, systematically identified, full length runs, enclosed within a wire loom, and terminating in a waterproof junction box suitable for body supplier to make connections to the chassis, located on the outside of the cab. Tap in type splices are unacceptable.	Comply
3.3.12.5	All cab chassis and body lights shall be LED where applicable.	Comply
3.3.12.6	Shall have strobe lights in the head and taillights.	Body Builder Supplied
3.3.13	Cab and Equipment	
3.3.13.1	Conventional type cab with air ride.	Comply
3.3.13.2	Forward tilting fiberglass hood with bright finish grill and radiator stone guard.	Comply
3.3.13.3	Tilt steering wheel.	Comply
3.3.13.4	Tinted safety glass on all cab windows.	Comply
3.3.13.5	Intermittent electric dual windshield wipers on with headlights and washers.	Comply
3.3.13.6	Dual sun visors.	Comply
3.3.13.7	High output hot water heater and dual defrosters, fresh air type.	Comply
3.3.13.8	Factory installed air conditioning.	Comply
3.3.13.9	Air horns mounted under deck and single electric horn.	Comply
3.3.13.10	Complete set of gauges, all illuminated and interior cab lights suitable for map reading.	Comply

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SECTION NUMBER	SPECIFICATION DESCRIPTION	DESCRIBE ACTUAL PRODUCT BID
3.3.13.11	Grab handles and steps, both sides of cab.	Comply
3.3.13.12	Engine hour meter inside of cab.	Comply
3.3.13.13	Air suspension high back driver's seat and air suspension high back passenger seat.	Comply
3.3.13.14	Lap and shoulder seat belts with retractors for both driver and passenger seats. Seat Belts to have extenders supplied.	Comply
3.3.13.15	C.B. and AM/FM/CD radio and antenna.	Comply
3.3.13.16	Electronic backup alarm.	Comply
3.3.13.17	Maximum capacity air compressor to be provided with truck.	Comply
3.3.13.18	A 20# ABC fire extinguisher shall be properly mounted in an easily accessible area for the operator.	Comply and exceed w 5 lb in cab as well
3.3.13.19	Shall have powered locks and windows.	Comply
3.3.13.20	Shall have Bluetooth capabilities.	Comply
3.3.13.21	Shall have Fog lights.	Comply
3.3.14	Mirrors	
3.3.14.1	Left and right outside, heated mirrors, West Coast type, minimum size 7" x 15" with adjustable arm mount and heated 7" convex both sides.	Comply
3.3.14.2	Two (2) hood mounted convex mirrors left and right shall be properly installed on the hood.	Comply
3.3.15	Paint	
3.3.15.1	Complete body unit to be primed and painted, to paint manufacturer's recommendations, with Yellow 5248A lead free or equal.	Comply
3.3.15.2	The complete unit (excluding cab if non-ferrous) shall be rust proofed and undercoated.	Comply and to be done after upfitter installed body
3.3.16	Keys	
3.3.16.1	Four (4) sets of keys shall be provided.	Comply

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SECTION NUMBER	SPECIFICATION DESCRIPTION	DESCRIBE ACTUAL PRODUCT BID
3.3.17	PB Loader Model BC-4 or Approved Alternate	
3.3.17.1	Mix Hopper	
3.3.17.1.1	Hopper shall have a minimum capacity of 4 cubic yards and a maximum of 7 cubic yards. Hopper shall be double wall constructed with 2" – 6lb. density insulation throughout the body.	Body Builder Bid Doc attached for all body compliance
3.3.17.1.2	Material shall be discharged by a belt over chain, 24" wide conveyor system Conveyor system shall include high temperature, heavy duty, multiply, 18" wide Kevlar® belt riveted onto every other crossbar by four rivets.	
3.3.17.1.3	Belting shall have Wear guard coating and sealed ends for lacing.	
3.3.17.1.4	Belt ends shall be spliced together with screw attached splicer bar.	
3.3.17.1.5	Belt shall be reinforced and designed to withstand a minimum of 800°F and harsh cleaning solvents.	
3.3.17.1.6	Chain shall have crossbars on every other chain link of conveyor and shall have sprockets with a 1¾" shaft.	
3.3.17.1.7	The conveyor shall be driven through a gearbox by a hydraulic motor with both forward and reverse controls.	
3.3.17.1.8	3/8" Pintle chain shall be driven by a 25:1 right angle gearbox, and hydraulic high torque motor.	
3.3.17.1.9	The unit shall have an insulated hot well for the emulsion wand.	
3.3.17.1.10	Shall have a lockable tool storage compartment.	
3.3.17.2	Hopper Doors	
3.3.17.2.1	Hopper doors shall be 2" double wall constructed with the same insulation as the hopper walls.	
3.3.17.2.2	Shall have single hinged top lids with expansion corrugations.	
3.3.17.2.3	Hopper doors shall operate hydraulically with 2" by 11" stroke cylinders.	
3.3.17.2.4	Conveyor belt system must automatically shut down when hopper doors are in the open position.	
3.3.17.2.5	Door controls shall be at the rear of unit on the right side and accessible from ground level.	

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SECTION NUMBER	SPECIFICATION DESCRIPTION	DESCRIBE ACTUAL PRODUCT BID
3.3.17.3	Hydraulic System	
3.3.17.3.1	The hydraulic system shall operate at a minimum of 1500 PSI.	
3.3.17.3.2	The controller shall be clearly labeled "PTO" with warning light when in operation.	
3.3.17.3.3	Hydraulic oil reservoir tank shall have a cut off valve on filter.	
3.3.17.3.4	Hydraulic hoses and fittings shall be high pressure hoses and crimped fittings to have a minimum of 8000 PSI burst pressure.	
3.3.17.3.5	Minimum 30-gallon hydraulic oil capacity, 50 GPM, with thermostat controlled, 12vdc fan type oil cooler.	
3.3.17.3.6	Throttle Control: Load sense automatic, on-demand engine throttle control to maintain proper hydraulic oil flow and pressure.	
3.3.17.3.7	Hydraulic tool line and hose reel shall be a minimum 3000 PSI with dual 25' hydraulic tool lines. Reel is spring loaded auto-retractable.	
3.3.17.3.8	Auxiliary Circuit (for hand tools): Controls shall be located at the operator work station, with quick couplers for pavement breaker.	
3.3.17.4	Heating System Working Hours	
3.3.17.4.1	Body shall have heat tubes and an interior heat chamber with passageways to direct heat evenly throughout the unit.	
3.3.17.4.2	Shall have two propane fueled cast manifold burners with flume adjustment rating of 67,000 BTU's each controlled by 12-volt electronic ignitors.	
3.3.17.4.3	Shall be controlled by a thermostat with a range of 100F to 300F.	
3.3.17.4.4	Shall have a 100% fuel shut-off safety system if burner is extinguished.	
3.3.17.4.5	Shall have a fully enclosed burn area located at the front of the unit for operator safety.	
3.3.17.4.6	Shall have an air actuated exhaust stack damper.	
3.3.17.4.7	Shall have a minimum 35-gallon horizontal, frame mounted tank with fill gauge and quick fill port.	

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SECTION NUMBER	SPECIFICATION DESCRIPTION	DESCRIBE ACTUAL PRODUCT BID
3.3.17.5	Heating System Non-Working Hours	
3.3.17.5.1	Shall be low density electric heat.	
3.3.17.5.2	Shall have a minimum 6KW, 240 VAC Thermostatically controlled heater with a range of 100F to 300F for overnight heating of asphalt.	
3.3.17.5.3	Shall have a minimum 25-foot power cord with ground fault interrupt system.	
3.3.17.5.4	All electronic controls shall be solid state shock resistant.	
3.3.17.5.5	Hopper thermostat shall have a built-in high limit safety shut down switch.	
3.3.17.6	Emulsion Tank Heating System Working Hours	
3.3.17.6.1	Shall use the truck cooling system as a heat source with a minimum of 1" steel tubing to circulate water from the truck engine.	
3.3.17.6.2	System shall have a temperature control valve at the tank with a thermostat that reads 0F to 300F.	
3.3.17.6.3	Emulsion tank capacity shall be a minimum of 85 gallons comprised of 10 GA steel with reinforced bottom.	
3.3.17.6.4	Solvent tank shall be a minimum of 15 gallons comprised of 10 GA steel tank with reinforced bottom.	
3.3.17.6.5	Tank shall be vented with a removable fill basket strainer.	
3.3.17.6.6	Tank shall be capable of switching from emulsion to solvent with one valve lever.	
3.3.17.6.7	Tank shall have 2 inches of insulation surrounding it.	
3.3.17.7	Emulsion Tank Heating System Non-Working Hours	
3.3.17.7.1	Unit shall be equipped with a 110 VAC plug-in heat system.	
3.3.17.7.2	Overnight heating shall be controlled by a temperature sensor.	
3.3.17.7.3	Heating elements shall be low-density stainless steel.	
3.3.17.8	Liquid Asphalt Oil Pump	
3.3.17.8.1	Shall be a hydraulically driven, self-priming, variable speed, reversible, rotary gear pump with relief valve. Operating at 20 GPM at 1200 RPM, 100 PSI.	

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SECTION NUMBER	SPECIFICATION DESCRIPTION	DESCRIBE ACTUAL PRODUCT BID
3.3.17.8.2	The pump will circulate the emulsion oil to prevent separation and crush any lumps that may form in the emulsion oil to prevent clogging of the spray tip.	
3.3.17.8.3	Liquid asphalt hand sprayer shall be a minimum 5' x 3/8" wand, equipped with fan nozzle and Deadman Control Valve.	
3.3.17.8.4	Sprayer hose shall be a minimum 15' x 1/2" with a reversible pump and releasing agent flush system for cleaning pump and lines.	
3.3.17.8.5	Pump, lines, and spray wand are in an insulated heated area for maximum performance.	
3.3.17.8.6	There shall be a connector valve for flushing road oil pump and lines and a drain.	
3.3.17.8.7	The unit shall have a hose reel for releasing agent spray wand with a minimum combined length of 20'. Reel is to be spring loaded auto-retractable.	
3.3.17.8.8	The unit shall have a spray wand with a minimum of 3' foot hose mounted to the front of the hopper for easy hopper cleaning.	
3.3.17.8.9	The unit shall have a minimum eight (10) gallon drip pan for waste oil combination, for flushing pump, spray wand and lines, with necessary valve for draining.	
3.3.17.8.10	The unit shall have a frame mounted, minimum ten (10) gallon water tank with valve and hose. Water to supply asphalt vibratory roller with rust proof liner.	
3.3.17.8.11	18" wide cross frame spoils bin, mounted behind the cab, constructed of 10 GA HR steel doors on each side to discharge material. Cab Guard with Perforated window for safety on chassis cab shall be included, mounted behind the 18" wide cross spoils bin.	
3.3.17.8.12	The unit shall have a minimum 200,000 propane BTU hand torch with shut-off valve and a minimum of 25' of hose with hose rack. Hand torch has a minimum 5-gallon LP gas bottle with a mounting bracket for transport.	

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SECTION NUMBER	SPECIFICATION DESCRIPTION	DESCRIBE ACTUAL PRODUCT BID
3.3.17.8.13	Unit shall have a Pavement Breaker, complete with quick couplers, asphalt cutter, tamper and detachable shank with lockable transporting bracket.	
3.3.17.8.14	Unit shall have a vibratory roller with a minimum of 4 hp engine, operating weight of 351 lbs., centrifugal force 2250 lbs. and single drum vibratory roller 22" wide, centrifugal clutch and water tank.	
3.3.17.8.15	Unit shall have a hydraulic rear lift platform for loading and unloading vibratory roller, with holding down brackets and a pavement breaker mount. On passenger side.	
3.3.17.8.16	The platform shall have a safety latch in the up position.	
3.3.17.8.17	Unit shall have an in-cab "platform down" indicator light.	
3.3.17.8.18	All controls for platform shall be at the rear of the unit on passenger side.	
3.3.17.8.19	Unit shall have a minimum 18" x 46" work deck constructed of 1/4" angle iron and 3/16" expanded metal and expanded metal steps with assist handrails. Shall be mounted between hopper and truck cab. Deck should provide easy and safe access to emulsion oil tank and asphalt hopper from passenger side.	
3.3.17.8.20	Unit shall have two (2) each spring-loaded asphalt chute and shovel holders, mounted curb side of unit.	
3.3.17.8.21	Unit shall have a cone rack holding up to 8 - 28" cones.	
3.3.17.8.22	Shall have a backup camera, with color screen and audio sound and Mobile Mule DVR on-board recording with a minimum two (2) 128 GB SD cards with GPS capabilities.	
3.3.17.8.23	Camera shall be on when truck is running.	
3.3.17.8.24	Unit shall have a 16 light directional arrow board, State D.O.T approved.	
3.3.17.8.25	Superior Signal model SRTA16 or equal.	
3.3.17.8.26	16 amber LED lights, 32 flash patterns, 8 patterns per function. Arrow flashing left, right, and warning bar.	

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SECTION NUMBER	SPECIFICATION DESCRIPTION	DESCRIBE ACTUAL PRODUCT BID
3.3.17.8.27	The board shall be mounted on the rear of the unit with in-cab controls.	
3.3.17.8.28	Unit shall have pedestal mounted Meteorlight model SY2000 amber, 80 double flashes per minute or equal.	
3.3.17.8.29	Unit shall have three (3) each 5" LED Flood work lights. Two (2) rear mount and one (1) mount to light up inside of Hopper and LED light-in control panel.	
3.3.17.8.30	Unit shall have grill mounted strobe lights, 4" Superior Signal SS-SYLED04-AA, white 18 flash patterns or equal.	
3.3.17.8.31	Unit shall have truck lite rectangle 6.5" oval taillights; red, clear, amber, and strobe taillights.	
3.3.17.8.32	Unit shall have a pivotal asphalt chute that attaches at the rear with tilt adjustment features.	
3.3.17.8.33	Shall be a discharge conveyer system with forward and reverse controls and fully greaseable	
3.3.17.8.34	Unit shall come equipped with an air blow gun with a minimum of 25 feet of 3/8" hose and wand.	
3.3.17.8.35	Air gun shall be powered by a Vanair Hydraulic System – RC40 40 CFM Compressor or equivalent.	
3.4	Training	
3.4.1	Manufacturer shall provide a training program that covers the unit's safe operational instruction. The training program shall be for a minimum of (1) one working day for the operators of the machine.	Comply
3.4.2	Manufacturer shall provide a training program that covers the unit's maintenance procedures. The training program shall be for a minimum of (1) one working day for Fleet Services personnel.	Comply

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REFERENCES

The bidder must briefly document its capabilities and submit an outline of its experience and work history in the supply and delivery of Pothole Patcher Trucks for the past five years by submitting contact information of professional references from four (4) separate contracts. References should consist of projects of a similar scope, complexity, and cost.

Business Name: City of Delaware Tel #: (740) 2031801 - _____

Address: 440 E Williams St Delaware OH 43015

E-mail: fcrist@delawareohio.net Fax #: (_____) _____ - _____

Contact: Fred Crist Equipment purchase date: Since 2009

Equipment Provided/ Warranty Service Performed:

Parts sales service

Business Name: City of Dublin Tel #: (614) 4960207 - _____

Address: 6555 Shier Rings Rd Dublin OH 43016

E-mail: jhyatt@dublin.oh.us Fax #: (_____) _____ - _____

Contact: John Hyatt Equipment purchase date: Since 2009

Equipment Provided/ Warranty Service Performed:

Parts Sales Service

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REFERENCES (continued)

Business Name: ODOT Tel #: (614) 3512386 - _____

Address: 1620 W Broad St Columbus, OH 43215

E-mail: doug.burke@dot.ohio.gov Fax #: () _____ - _____

Contact: Doug Burke Equipment purchase date: Since 2008

Equipment Provided/ Warranty Service Performed:

Parts Sales Service

Business Name: Ariel Corp Tel #: (740) 3970314 - _____

Address: 35 Blackjack Rd MT VERNON OH 43050

E-mail: tmundy@arielcorp.com Fax #: () _____ - _____

Contact: Tony Mundy Equipment purchase date: Since 2017

Equipment Provided/ Warranty Service Performed:

parts sales service

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SUBCONTRACTORS INFORMATION (IF APPLICABLE)

Business Name: Best Equipment Tel #: () -

Address: 12620 York Delta Dr NORTH ROYALTON, OH 44133

E-mail: pjohnson@bestequipmentco.com Fax #: () -

Contact: PJ Johnson Equipment purchase date: Since 2020

Equipment Provided/ Warranty Service Performed:

Equipment and body upfit

Business Name: _____ Tel #: () -

Address: _____

E-mail: _____ Fax #: () -

Contact: _____ Equipment purchase date: _____

Equipment Provided/ Warranty Service Performed:



SALES PROPOSAL

Provided by Best Equipment Company, Inc.

Experts in Municipal and Contractor Environmental Equipment Since 1917

Proudly Serving Indiana, Ohio, Kentucky, and Michigan

Prepared Especially For

Fyda Freightliner

Jonah Schneider

Central Ohio Sales Manager

Prepared By

PJ Johnson

Central Ohio Sales

Document ID	Prepared For	Prepared On	Pricing Valid Through
O - 25-1102 Q - 00003273 Please Reference Document ID Purchase Orders	Fyda Freightliner	10/12/2025	30 Days

Procurement	Payment Terms	FOB
Sales Proposal	Invoice	Delivery to Columbus, Ohio

Product	Unit Price	Quantity	Total
New Equipment PB Loader BC Patcher PB Loader BC-4 Asphalt Patcher -Belt conveyance discharge -Insulated & heated body -Hydraulically opened top doors -Stanley BR-67 hammer -Vanair RC40 air compressor -Working heaters & overnight heaters -Vibratory roller and lift platform storage -Cross-body spoils bin <i>*Adheres to the bid specifications*</i> Compliance sheet included			
	\$210,229.75	1.00	\$210,229.75
Subtotal			\$210,229.75
Discounts			(\$8,409.20)
Grand Total			\$201,820.55

Agreement
Sign below to accept and agree to this sales proposal and all terms and conditions. Any changes to this agreement must be done so in writing. This agreement is binding. By signing, you agree that you are authorized to execute this contract.

Signature

Title

Date

Notes

Supply and install PB Loader BC-4 body on chassis supplied by Fyda Freightliner

New equipment includes pre-delivery inspection, delivery to customer site, and basic operational and maintenance training. Standard Manufacturer's warranty applies. Warranty Statements are available upon request.

BestCare

Need a plan to take care of your investment? BestCare is Best Equipment Company's preventative maintenance program, offering you customized plans to properly maintain and extend the life of your equipment. Email us at bestcare@bestequipmentco.com to learn more.

Terms and Conditions

Quotation

This document is provided for quotation purposes only and does not constitute an invoice. Do not remit payment based on this quotation. A final invoice will be prepared and sent, reflecting the total amount due at the time of billing.

Taxes

Applicable sales taxes are not included in this quotation unless specifically noted. Tax estimates may be provided upon request and are deemed reliable but not guaranteed. Exact taxes will be calculated and applied at the time of invoicing.

Order Cancellation

All order cancellations must be submitted in writing and are subject to the following terms:

Inventory Units: Cancellations of in-stock units may be subject to a cancellation fee of up to 10% of the total purchase price to cover administrative, restocking, and holding costs.

Custom and Customer-Ordered Units: Orders for custom-built or factory-ordered equipment are non-cancellable once submitted to the manufacturer. If a cancellation is requested and approved, a cancellation fee of up to 25% of the total purchase price may apply, based on production status, supplier penalties, and costs incurred.

Payment Terms

Payment is due in full upon invoicing unless alternate terms have been agreed to in writing by both the Buyer and Seller. All contractors are subject to COD (Cash on Delivery) terms unless otherwise approved in advance.

Delivery

Delivery dates provided are estimations only and are not guaranteed. Best Equipment Company, Inc. shall not be held liable for any loss of time, revenue, or other consequential damages due to delays in delivery. Title and risk of loss transfer to the Buyer upon delivery and unloading of equipment, as acknowledged by signature on this sales proposal or delivery confirmation. Due to continued volatility in global markets and supply chain constraints lead times are subject to change.

Unforeseen Costs and Price Adjustments

Prices quoted are based on current costs and market conditions at the time of proposal. In the event of unforeseen cost increases beyond our control—including but not limited to tariffs, surcharges, manufacturer-imposed price changes, or freight increases—Best Equipment Company, Inc. reserves the right to adjust the final purchase price accordingly. Such adjustments will be communicated in writing and applied proportionally to the affected goods or services.

Financing

If the Buyer is seeking financing, arrangements must be secured and executed in a timely manner. Delays in securing financing may result in cancellation of the agreement or reallocation of inventory.

Dispute Resolution

Any dispute arising from or related to the execution of this order shall first be addressed through good faith negotiations between the Parties. If such negotiations do not resolve the dispute within thirty (30) days, the Parties agree to submit the matter to mediation before a mutually selected neutral mediator. Mediation shall occur within forty-five (45) days of mediator selection. The Parties shall share equally in the cost of mediation. All rights, remedies, and defenses of the Parties are preserved should mediation prove unsuccessful. During any dispute resolution process, both Parties shall continue to perform their obligations to the extent practicable.

Limitation of Liability

Best Equipment Company, Inc.'s liability in connection with the sale of equipment shall not exceed the purchase price of the goods. Under no circumstances shall the Seller be liable for incidental, consequential, or special damages, including lost profits or business interruption.

Governing Law

This agreement shall be governed by and construed in accordance with the laws of the State of Indiana. Any disputes shall be resolved in the appropriate state or federal court located within Marion County, Indiana.

Entire Agreement

This quotation and its terms constitute the entire agreement between the Buyer and Seller regarding the goods and services described herein and supersede all prior or contemporaneous understandings, whether written or oral. Modifications must be in writing and signed by both parties.

V04042025

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PB LOADER
COMMENTS NOTED
BELOW

3.2.3 **Subcontractor Information Required:** If subcontractor(s) are to be used, please list names, addresses, telephone numbers and a contact person for each subcontractor. All subcontracts must have valid contract compliance certification.

3.2.3.1 **Subcontractor Contact:** Should the offeror use subcontractors, the City shall use the offeror as the primary contact point.

3.2.4 **Specification Questions:** Questions regarding this bid, including any exceptions and/or suggested changes to the requirements, must be submitted on the vendor services portal by 11:00 am (local time) on Monday, October 6, 2025. Responses and any necessary addenda will be posted as an amendment to this RFQ on the City's Vendor Services portal no later than 11:00 a.m. (local time) on Thursday, October 9, 2025. The City strongly encourages bidders to submit exceptions and/or changes during this stage of the process. Bidders submitting exceptions and/or changes before this date will greatly reduce the likelihood of their bid being rejected as non-responsive to the specifications. Bidders whom have not registered and created a new user on the City's portal <https://columbusvendorservices.powerappsportals.com/> are strongly encouraged to do so. Notice of any pre-bid notes and addenda will only be sent to Bidders who have registered at the site.

3.2.4.1 For further instructions on how to submit "Vendor Questions" through the Vendor Portal, please see Section "Add Vendor Questions" provided in the City of Columbus Vendor Services User Guide.

3.2.4.2 The City has instructional videos to assist bidders at the portal. Tutorial videos are available to be viewed through You Tube or by clicking the following link:

https://www.youtube.com/channel/UCTIkGGM7GHIITzoqQVNJIA/videos?shelf_id=0&view=0&sort=dd

SECTION NUMBER	SPECIFICATION DESCRIPTION	DESCRIBE ACTUAL PRODUCT BID
3.3	Specification Information: The equipment shall be a new and unused Diesel Powered Standard Conventional Truck with a mounted LPG heated pothole patching body. The pothole patching unit shall be capable of making permanent asphalt repairs under most weather conditions. The pothole patching unit is to be a PB Loader Model BC-4 or approved alternate. <u>PB Loader model BC-4 is being supplied with this submission</u> Bidders shall note compliance with the following specifications in the Describe Actual Product Bid column. Indicate make, model, year and description of equipment bid. Bidders shall submit a copy of dealers build sheets with bid.	

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SECTION NUMBER	SPECIFICATION DESCRIPTION	DESCRIBE ACTUAL PRODUCT BID
3.3.1	Alternates	
	Bids will be considered on units complying with the specifications. All alternates must be detailed in an attached letter to bid and the Manufacturer and Model clearly identified. Explanations must fully state what is to be furnished. All alternates must exceed specifications. The City of Columbus reserves the right to determine whether any proposed alternates are within the specifications.	
3.3.2	Truck	
3.3.2.1	The unit shall be a Single Axle, Conventional Cab truck.	Chassis to be supplied by Dealer. See PB Loader comments to chassis specifications below.
3.3.2.2	Chassis shall be suitable for mounting a minimum – 4 cubic yard capacity hopper.	
3.3.2.3	G.V.W minimum rating of 35,000 lbs.	
3.3.2.4	Overall height of body and chassis shall not exceed 13' 6" above level ground or as required for the arrangement and configuration of equipment bid.	PBL complies.
3.3.3	Wheelbase	
3.3.3.1	Shall be 207 inches minimum WB with a 120-inch minimum CA or as required for the arrangement and configuration of the equipment bid.	PBL recommends a 140-inch Cab to Axle with 207-inch WB.
3.3.4	Engine	
3.3.4.1	Cummins L9 – 300 HP or equal.	
3.3.4.2	Equipment shall include oil filter, fuel filter, air filter with restriction gauge, water filters, and automatic fan control for specific engine as required by the manufacturer.	
3.3.4.3	Cooling system to be manufacturer's optional extended or increased capacity, with coolant filter, coolant recovery system, and coolant protection to -20 degrees.	
3.3.4.4	Exhaust system with vertical muffler and vertical tail pipe with heat shield and grab handle.	
3.3.4.5	Engine shall be equipped with a warning light and buzzer for high water temperature and low oil pressure and to include automatic engine shut down.	
3.3.4.6	Electronic hand throttle, dash or steering mounted, with quick release.	

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SECTION NUMBER	SPECIFICATION DESCRIPTION	DESCRIBE ACTUAL PRODUCT BID
3.3.4.7	Thermostatically controlled 120-volt engine block heater with the engine manufacturer's recommended wattage and a receptacle mounted in front of chassis.	
3.3.4.8	Shall have a minimum of a 28-gallon fuel tank.	
3.3.4.9	Shall have a fuel / water separator with water-in-fuel sensor.	
3.3.4.10	Shall have a minimum of a 6-gallon diesel exhaust fluid tank.	
3.3.5	Transmission	
3.3.5.1	The unit shall be equipped with an Allison 3000RDS with PTO provision, with dash mounted temperature gauge, cooler, filter, and dipstick in accessible location. Acceptable for fluids to be monitored electronically.	
3.3.5.2	The transmission should be equipped with an external heavy-duty water/oil cooler.	
3.3.6	Front Axle, Suspension	
3.3.6.1	Minimum of 12,000 pounds rated, with heavy duty shocks and hydraulic power steering.	
3.3.7	Rear Axle, Suspension	
3.3.7.1	Minimum capacity rating of 23,000 pounds for rear axles.	
3.3.7.2	Suspension shall be minimum 23,000 lb. capacity with multi-leaf spring rear suspension with rubber helper.	
3.3.8	Frame	
3.3.8.1	The frame shall be the manufacturer's optional heavy duty, off highway type, reinforced by the addition of an inner liner or outer liner extending from the front of the front spring hanger to the rear end of the frame.	
3.3.8.2	Minimum frame ratings: 120,000 PSI.	
3.3.8.3	Two (2) tow hooks or tow bars mounted on frame on front and rear of chassis.	
3.3.8.4	The after frame (AF) length shall be suitable for the arrangement and configuration of the equipment.	
3.3.8.5	The chassis shall be equipped with a full-width, HD steel front bumper.	

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SECTION NUMBER	SPECIFICATION DESCRIPTION	DESCRIBE ACTUAL PRODUCT BID
3.3.9	Brakes	
3.3.9.1	Brakes shall be capable of stopping and holding a fully loaded unit in all types of operating conditions.	
3.3.9.2	Service brakes shall be heavy duty, anti-lock, ABS, drum or disc brakes with dust shields, maximum size available for the type of axle used, with automatic slack adjusters at all four (4) wheel locations.	
3.3.9.3	The system shall include a minimum of 13 cubic foot water cooled air compressor.	
3.3.9.4	Spring type safety brake with mechanical screw type release.	
3.3.9.5	The brake system shall be equipped with a Bendix Westinghouse extended purge Model AD-IS heated air dryer or equal.	
3.3.9.6	The primary air tank shall be equipped with DV-2 heated drain valve. All secondary tanks shall be equipped with Berg pull cord drain valves.	
3.3.9.7	The parking brake shall be compatible with the Allison RDS transmission and brakes.	
3.3.10	Tires and Wheels	
3.3.10.1	Front tires, (2) two tubeless type properly sized and rated for specified weight load of axle.	
3.3.10.2	Rear tires, minimum (4) four tubeless radial, lug type, properly sized and rated for specified weight of axle.	
3.3.10.3	Front and rear wheels to be hub piloted disc one-piece wheels with one-piece rims.	
3.3.11	Steering	
3.3.11.1	The unit shall include steering box, gears and front axle options for maximum maneuverability.	
3.3.11.2	The power steering pump shall be sized appropriately for the axle being bid.	
3.3.11.3	Each bidder shall supply information showing turning radius of vehicle for each configuration proposed.	

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SECTION NUMBER	SPECIFICATION DESCRIPTION	DESCRIBE ACTUAL PRODUCT BID
3.3.12	Electrical	
3.3.12.1	Alternator shall be a 12-volt system with a maximum output of not less than 160 amps or as needed for the configuration.	
3.3.12.2	Batteries shall be maintenance free multiple 12-volt battery pack providing a minimum combined CCA rating of 2200 at 0 degrees or as needed for the configuration.	
3.3.12.3	A battery cut-off switch or low voltage disconnect shall be installed on the vehicle. This switch shall not be construed as the ignition switch.	
3.3.12.4	All electrical wiring shall be color coded, systematically identified, full length runs, enclosed within a wire loom, and terminating in a waterproof junction box suitable for body supplier to make connections to the chassis, located on the outside of the cab. Tap in type splices are unacceptable.	
3.3.12.5	All cab chassis and body lights shall be LED where applicable.	
3.3.12.6	Shall have strobe lights in the head and taillights.	
3.3.13	Cab and Equipment	
3.3.13.1	Conventional type cab with air ride.	
3.3.13.2	Forward tilting fiberglass hood with bright finish grill and radiator stone guard.	
3.3.13.3	Tilt steering wheel.	
3.3.13.4	Tinted safety glass on all cab windows.	
3.3.13.5	Intermittent electric dual windshield wipers on with headlights and washers.	
3.3.13.6	Dual sun visors.	
3.3.13.7	High output hot water heater and dual defrosters, fresh air type.	
3.3.13.8	Factory installed air conditioning.	
3.3.13.9	Air horns mounted under deck and single electric horn.	
3.3.13.10	Complete set of gauges, all illuminated and interior cab lights suitable for map reading.	

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SECTION NUMBER	SPECIFICATION DESCRIPTION	DESCRIBE ACTUAL PRODUCT BID
3.3.13.11	Grab handles and steps, both sides of cab.	
3.3.13.12	Engine hour meter inside of cab.	
3.3.13.13	Air suspension high back driver's seat and air suspension high back passenger seat.	
3.3.13.14	Lap and shoulder seat belts with retractors for both driver and passenger seats. Seat Belts to have extenders supplied.	
3.3.13.15	C.B. and AM/FM/CD radio and antenna.	
3.3.13.16	Electronic backup alarm.	
3.3.13.17	Maximum capacity air compressor to be provided with truck.	
3.3.13.18	A 20# ABC fire extinguisher shall be properly mounted in an easily accessible area for the operator.	
3.3.13.19	Shall have powered locks and windows.	
3.3.13.20	Shall have Bluetooth capabilities.	
3.3.13.21	Shall have Fog lights.	
3.3.14	Mirrors	
3.3.14.1	Left and right outside, heated mirrors, West Coast type, minimum size 7" x 15" with adjustable arm mount and heated 7" convex both sides.	
3.3.14.2	Two (2) hood mounted convex mirrors left and right shall be properly installed on the hood.	
3.3.15	Paint	
3.3.15.1	Complete body unit to be primed and painted, to paint manufacturer's recommendations, with Yellow 5248A lead free or equal.	PBL complies and will paint the patcher yellow 5248A.
3.3.15.2	The complete unit (excluding cab if non-ferrous) shall be rust proofed and undercoated.	
3.3.16	Keys	
3.3.16.1	Four (4) sets of keys shall be provided.	

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SECTION NUMBER	SPECIFICATION DESCRIPTION	DESCRIBE ACTUAL PRODUCT BID
3.3.17	PB Loader Model BC-4 or Approved Alternate	
3.3.17.1	Mix Hopper	
3.3.17.1.1	Hopper shall have a minimum capacity of 4 cubic yards and a maximum of 7 cubic yards. Hopper shall be double wall constructed with 2" – 6lb. density insulation throughout the body.	PBL complies.
3.3.17.1.2	Material shall be discharged by a belt over chain, 24" wide conveyor system. Conveyor system shall include high temperature, heavy duty, multiply, 18" wide Kevlar® belt riveted onto every other crossbar by four rivets.	
3.3.17.1.3	Belting shall have Wear guard coating and sealed ends for lacing.	
3.3.17.1.4	Belt ends shall be spliced together with screw attached splicer bar.	
3.3.17.1.5	Belt shall be reinforced and designed to withstand a minimum of 800°F and harsh cleaning solvents.	
3.3.17.1.6	Chain shall have crossbars on every other chain link of conveyor and shall have sprockets with a 1¾" shaft.	
3.3.17.1.7	The conveyor shall be driven through a gearbox by a hydraulic motor with both forward and reverse controls.	
3.3.17.1.8	3/8" Pintle chain shall be driven by a 25:1 right angle gearbox, and hydraulic high torque motor.	
3.3.17.1.9	The unit shall have an insulated hot well for the emulsion wand.	
3.3.17.1.10	Shall have a lockable tool storage compartment.	↓
3.3.17.2	Hopper Doors	
3.3.17.2.1	Hopper doors shall be 2" double wall constructed with the same insulation as the hopper walls.	PBL complies.
3.3.17.2.2	Shall have single hinged top lids with expansion corrugations.	
3.3.17.2.3	Hopper doors shall operate hydraulically with 2" by 11" stroke cylinders.	
3.3.17.2.4	Conveyor belt system must automatically shut down when hopper doors are in the open position.	
3.3.17.2.5	Door controls shall be at the rear of unit on the right side and accessible from ground level.	↓

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SECTION NUMBER	SPECIFICATION DESCRIPTION	DESCRIBE ACTUAL PRODUCT BID
3.3.17.3	Hydraulic System	
3.3.17.3.1	The hydraulic system shall operate at a minimum of 1500 PSI.	PBL complies.
3.3.17.3.2	The controller shall be clearly labeled "PTO" with warning light when in operation.	
3.3.17.3.3	Hydraulic oil reservoir tank shall have a cut off valve on filter.	
3.3.17.3.4	Hydraulic hoses and fittings shall be high pressure hoses and crimped fittings to have a minimum of 8000 PSI burst pressure.	
3.3.17.3.5	Minimum 30-gallon hydraulic oil capacity, 50 GPM, with thermostat controlled, 12vdc fan type oil cooler.	
3.3.17.3.6	Throttle Control: Load sense automatic, on-demand engine throttle control to maintain proper hydraulic oil flow and pressure.	
3.3.17.3.7	Hydraulic tool line and hose reel shall be a minimum 3000 PSI with dual 25' hydraulic tool lines. Reel is spring loaded auto-retractable.	
3.3.17.3.8	Auxiliary Circuit (for hand tools): Controls shall be located at the operator work station, with quick couplers for pavement breaker.	
3.3.17.4	Heating System Working Hours	
3.3.17.4.1	Body shall have heat tubes and an interior heat chamber with passageways to direct heat evenly throughout the unit.	PBL complies.
3.3.17.4.2	Shall have two propane fueled cast manifold burners with flume adjustment rating of 67,000 BTU's each controlled by 12-volt electronic ignitors.	
3.3.17.4.3	Shall be controlled by a thermostat with a range of 100F to 300F.	
3.3.17.4.4	Shall have a 100% fuel shut-off safety system if burner is extinguished.	
3.3.17.4.5	Shall have a fully enclosed burn area located at the front of the unit for operator safety.	
3.3.17.4.6	Shall have an air actuated exhaust stack damper.	
3.3.17.4.7	Shall have a minimum 35-gallon horizontal, frame mounted tank with fill gauge and quick fill port.	

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3.3.17.5	Heating System Non-Working Hours	
3.3.17.5.1	Shall be low density electric heat.	PBL complies.
3.3.17.5.2	Shall have a minimum 6KW, 240 VAC Thermostatically controlled heater with a range of 100F to 300F for overnight heating of asphalt.	
3.3.17.5.3	Shall have a minimum 25-foot power cord with ground fault interrupt system.	
3.3.17.5.4	All electronic controls shall be solid state shock resistant.	
3.3.17.5.5	Hopper thermostat shall have a built-in high limit safety shut down switch.	
3.3.17.6	Emulsion Tank Heating System Working Hours	
3.3.17.6.1	Shall use the truck cooling system as a heat source with a minimum of 1" steel tubing to circulate water from the truck engine.	PBL complies.
3.3.17.6.2	System shall have a temperature control valve at the tank with a thermostat that reads 0F to 300F.	
3.3.17.6.3	Emulsion tank capacity shall be a minimum of 85 gallons comprised of 10 GA steel with reinforced bottom.	
3.3.17.6.4	Solvent tank shall be a minimum of 15 gallons comprised of 10 GA steel tank with reinforced bottom.	
3.3.17.6.5	Tank shall be vented with a removable fill basket strainer.	
3.3.17.6.6	Tank shall be capable of switching from emulsion to solvent with one valve lever.	
3.3.17.6.7	Tank shall have 2 inches of insulation surrounding it.	
3.3.17.7	Emulsion Tank Heating System Non-Working Hours	
3.3.17.7.1	Unit shall be equipped with a 110 VAC plug-in heat system.	PBL complies.
3.3.17.7.2	Overnight heating shall be controlled by a temperature sensor.	
3.3.17.7.3	Heating elements shall be low-density stainless steel.	
3.3.17.8	Liquid Asphalt Oil Pump	
3.3.17.8.1	Shall be a hydraulically driven, self-priming, variable speed, reversible, rotary gear pump with relief valve. Operating at 20 GPM at 1200 RPM, 100 PSI.	PBL complies.

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3.3.17.8.2	The pump will circulate the emulsion oil to prevent separation and crush any lumps that may form in the emulsion oil to prevent clogging of the spray tip.	PBL complies.
3.3.17.8.3	Liquid asphalt hand sprayer shall be a minimum 5' x 3/8" wand, equipped with fan nozzle and Deadman Control Valve.	
3.3.17.8.4	Sprayer hose shall be a minimum 15' x 1/2" with a reversible pump and releasing agent flush system for cleaning pump and lines.	
3.3.17.8.5	Pump, lines, and spray wand are in an insulated heated area for maximum performance.	
3.3.17.8.6	There shall be a connector valve for flushing road oil pump and lines and a drain.	
3.3.17.8.7	The unit shall have a hose reel for releasing agent spray wand with a minimum combined length of 20'. Reel is to be spring loaded auto-retractable.	
3.3.17.8.8	The unit shall have a spray wand with a minimum of 3' foot hose mounted to the front of the hopper for easy hopper cleaning.	PBL complies with the hose on the retractable reel as per Q & A
3.3.17.8.9	The unit shall have a minimum eight (10) gallon drip pan for waste oil combination, for flushing pump, spray wand and lines, with necessary valve for draining.	PBL complies supplying 10-gallon waste tank capacity.
3.3.17.8.10	The unit shall have a frame mounted, minimum ten (10) gallon water tank with valve and hose. Water to supply asphalt vibratory roller with rust proof liner.	PBL complies offering a 16-gallon water tank.
3.3.17.8.11	18" wide cross frame spoils bin, mounted behind the cab, constructed of 10 GA HR steel doors on each side to discharge material. Cab Guard with Perforated window for safety on chassis cab shall be included, mounted behind the 18" wide cross spoils bin.	PBL complies.
3.3.17.8.12	The unit shall have a minimum 200,000 propane BTU hand torch with shut-off valve and a minimum of 25' of hose with hose rack. Hand torch has a minimum 5-gallon LP gas bottle with a mounting bracket for transport.	PBL complies with torch. Torch will be fueled from 35 gallon LP gas tank per 3.3.17.4.7. A separate 5-gallon tank is not required.

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SECTION NUMBER	SPECIFICATION DESCRIPTION	DESCRIBE ACTUAL PRODUCT BID
3.3.17.8.13	Unit shall have a Pavement Breaker, complete with quick couplers, asphalt cutter, tamper and detachable shank with lockable transporting bracket.	PBL complies. Offering a Stanley BR-67 70-pound class hydraulically powered pavement breaker.
3.3.17.8.14	Unit shall have a vibratory roller with a minimum of 4 hp engine, operating weight of 351 lbs., centrifugal force 2250 lbs. and single drum vibratory roller 22" wide, centrifugal clutch and water tank.	PBL complies. Offering a Bomag BW55e.
3.3.17.8.15	Unit shall have a hydraulic rear lift platform for loading and unloading vibratory roller, with holding down brackets and a pavement breaker mount. On passenger side.	PBL complies with hydraulic rear lift platform for vibratory roller. Exception: Lift will be mounted on the driver side. Breaker mount will be on passenger side
3.3.17.8.16	The platform shall have a safety latch in the up position.	PBL complies.
3.3.17.8.17	Unit shall have an in-cab "platform down" indicator light.	PBL complies.
3.3.17.8.18	All controls for platform shall be at the rear of the unit on passenger side.	PBL complies.
3.3.17.8.19	Unit shall have a minimum 18" x 46" work deck constructed of ¼" angle iron and 3/16" expanded metal and expanded metal steps with assist handrails. Shall be mounted between hopper and truck cab. Deck should provide easy and safe access to emulsion oil tank and asphalt hopper from passenger side.	PBL complies, offering a 20" x 90" work deck.
3.3.17.8.20	Unit shall have two (2) each spring-loaded asphalt chute and shovel holders, mounted curb side of unit.	PBL complies.
3.3.17.8.21	Unit shall have a cone rack holding up to 8 - 28" cones.	
3.3.17.8.22	Shall have a backup camera, with color screen and audio sound and Mobile Mule DVR on-board recording with a minimum two (2) 128 GB SD cards with GPS capabilities.	
3.3.17.8.23	Camera shall be on when truck is running.	
3.3.17.8.24	Unit shall have a 16 light directional arrow board, State D.O.T approved.	
3.3.17.8.25	Superior Signal model SRTA16 or equal.	
3.3.17.8.26	16 amber LED lights, 32 flash patterns, 8 patterns per function. Arrow flashing left, right, and warning bar.	

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3.3.17.8.27	The board shall be mounted on the rear of the unit with in-cab controls.	PBL complies.
3.3.17.8.28	Unit shall have pedestal mounted Meteorlight model SY2000 amber, 80 double flashes per minute or equal.	
3.3.17.8.29	Unit shall have three (3) each 5" LED Flood work lights. Two (2) rear mount and one (1) mount to light up inside of Hopper and LED light-in control panel.	
3.3.17.8.30	Unit shall have grill mounted strobe lights, 4" Superior Signal SS-SYLED04-AA, white 18 flash patterns or equal.	
3.3.17.8.31	Unit shall have truck lite rectangle 6.5" oval taillights; red, clear, amber, and strobe taillights.	
3.3.17.8.32	Unit shall have a pivotal asphalt chute that attaches at the rear with tilt adjustment features.	PBL complies. Chute will ship loose.
3.3.17.8.33	Shall be a discharge conveyer system with forward and reverse controls and fully greaseable	PBL complies. Controls are passenger side rear.
3.3.17.8.34	Unit shall come equipped with an air blow gun with a minimum of 25 feet of 3/8" hose and wand.	PBL complies.
3.3.17.8.35	Air gun shall be powered by a Vanair Hydraulic System – RC40 40 CFM Compressor or equivalent.	PBL complies.
3.4	Training	
3.4.1	Manufacturer shall provide a training program that covers the unit's safe operational instruction. The training program shall be for a minimum of (1) one working day for the operators of the machine.	PBL / Best Equipment complies
3.4.2	Manufacturer shall provide a training program that covers the unit's maintenance procedures. The training program shall be for a minimum of (1) one working day for Fleet Services personnel.	PBL / Best Equipment complies

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Hot Patching Is The **BEST METHOD**

Highway engineers and street maintenance supervisors know that hot-mix is the most effective technique for repairing potholes. The best way to make a permanent patch is to remove the old material, create a firm base, tack the hole edges, add asphalt mix, compact the material and seal the patch. Hot patches are more durable and last longer than any other patching methods.

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When you need a pothole patcher, look to PB. From truck-mounted patchers to dump body slip-in, hook lift mount and trailer models, PB makes patching a whole lot easier.



Remove old material, create a firm base and tack the hole edges.



Add asphalt mix.



ONE PATCHER FOR ALL YOUR NEEDS

PB Patchers are fully equipped for complete asphalt patching and can be mounted on any chassis. Each unit is easy to operate, easy to maintain, and designed so that just one person can tackle patching jobs with just one machine. PB Patchers can also be used to repair road shoulders and utility cuts, as well as spread salt, sand and chippings.

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- Full Hydraulic Operation
- Radiant Heat System
- Fully Insulated Containers
- Convenient Controls
- Complete Emulsion Systems

PB Makes Pothole Patching Easy...With One Machine



Compact asphalt material.



Seal and make a permanent patch!

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Adjustable Temperature Keeps Asphalt Hot

The Radiant Heat System on PB Patchers keeps asphalt hot for a full shift. Welded heat tubes spread the heat throughout the asphalt container. Temperature range is adjustable from 100° to 300°.



Convenient Heat Sources To Meet Your Needs

LPG available in 25, 35 or 50 gallon capacity; upright or horizontal styles. LPG Tanks are easily accessible for refilling and storage. (CNG, Diesel and Electric are also available only with on-board generator and electric overnight plug-in).

CONVEYOR CHOICES FOR SMOOTH OPERATION



Heavy Duty Kevlar Conveyor Belt

An extremely durable, long-lasting Kevlar belt moves asphalt out of the container for continuous operation.



Heavy Duty Steel Chain Conveyor

Equipped with strong steel chain that's heat-treated and engineered specifically to smoothly move asphalt from the container box. Superior strength ensures extended wear life.

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Any Capacity To Meet Your Requirements

Available in 1.5 to 10 cubic yard capacity. Fully insulated with 2" of industrial fiberglass insulation. Custom sizes also available; please contact us for details.



Fully Insulated Top Loading Doors

Hydraulically operated and fully insulated with 2" of industrial fiberglass insulation. Keeps asphalt hot all day and night, even during winter. Heats cold mix.

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CS Model Emulsion Spray System

Compressed air type sprayer. Sizes available: 35, 60, 130 and 200 gallon. Optional solvent tank and overnight heat system.



BH Model Emulsion Spray System

Pump type sprayer includes everything you need for tack coating. Holds 132 gallons of emulsion and 21 gallons of solvent. Includes spray system and built-in 110 VAC electric heater to keep emulsion hot overnight.

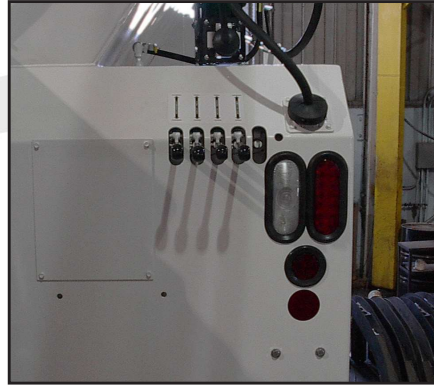
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Vibratory Roller



Spoils Bin



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Pivoting Asphalt Chute



Safety Cone Holders



Retractable Hose Reels