Sourcewell Awarded Contract
Contract # 060920-NVS

International Trucks is pleased to provide you with this proposal compliant with all terms of the Sourcewell Vehicles and Chassis Contract #060920-NVS awarded to Navistar, Inc for new International Trucks. If you have any questions regarding enrollment in Sourcewell or detailed contract terms and conditions, please see your International Truck sales representative.

	PROPOSAL PREPARED FOR:	PROPOSAL PREPARED BY:
Sourcewell Member:	City of Joplin, MO	Summit Truck Group
Contact:	Dean Smith	Clayton White
Address:	1301 W 2nd St.	2800 S Davis Blvd
City/State/Zip:	Joplin, MO 64801	Joplin, MO 64801
Phone:	417-624-0820	417-439-0701
Email:	dsmith2@joplinmo.org	clayton.white@summittruckgroup.com

Proposal Number	1885-01
Date	8/24/2021
Quantity of this Specification	1
Single Sourcewell Transaction Total Volume	1

Chassis				
	New 2023 International MV607 Chassis		$	120,490.00
	Base Chassis List	$ 94,163.00		
	Options List	$ 26,327.00		
	Sourcewell Contract Discount	34.5%	$	(41,569.05)
	Volume Incentive		$	-
	Net Sourcewell Chassis Price		$	78,920.95
Sourcewell Partner Body				
			$	-
			$	-
		4.00%	$	-
Non-Sourcewell Dealer Supplied Body				
	Pro-Patch TCM 500-80-DHER		$	90,116.00
			$	-
	Handling Fee	1.00%	$	901.16
Additional Post Build Work				
	Dealer Prep		$	1,000.00
			$	-
			$	-
			$	-
			$	-
			$	-
	Handling Fee		$	-
Service Contracts				
			$	-
			$	-
			$	-
Additional Freight				
			$	-
			$	-
Additional Floorplan				
			$	-
			$	-
Additional Fees & Taxes				
	Concession to equalize with MODOT contract		$	(5,000.00)
			$	-
			$	-
Final Sourcewell Customer Price FOB			**$**	**165,938.11**

Terms:



MV607 SBA

Sales Proposal For:

City of Joplin

Presented By:

Summit Truck Group

Prepared For:
City of Joplin
Dean Smith
602 S Main St.
Joplin, MO 64801-2316
(417)624 - 0820
Reference ID: Asphalt Patcher

Presented By:
Summit Truck Group
Clayton White
2800 S. Davis Boulevard
JOPLIN MO 64804 -
(417)781-2766



Model Profile
2023 MV607 SBA (MV607)

AXLE CONFIG:	4X2
APPLICATION:	Construction Dump
MISSION:	Requested GVWR: 35000. Calc. GVWR: 38000 Calc. Start / Grade Ability: 38.07% / 1.50% @ 55 MPH Calc. Geared Speed: 89.2 MPH
DIMENSION:	Wheelbase: 209.00, CA: 141.90, Axle to Frame: 65.00
ENGINE, DIESEL:	{Cummins B6.7 300} EPA 2021, 300HP @ 2600 RPM, 660 lb-ft Torque @ 1600 RPM, 2600 RPM Governed Speed, 300 Peak HP (Max)
TRANSMISSION, AUTOMATIC:	{Allison 3500 RDS} 5th Generation Controls, Wide Ratio, 6-Speed with Double Overdrive, with PTO Provision, Less Retarder, Includes Oil Level Sensor, with 80,000-lb GVW and GCW Max, On/Off Highway
CLUTCH:	Omit Item (Clutch & Control)
AXLE, FRONT NON-DRIVING:	{Meritor MFS-12-122A} I-Beam Type, 12,000-lb Capacity
AXLE, REAR, SINGLE:	{Dana Spicer S26-190} Single Reduction, 26,000-lb Capacity, R Wheel Ends Gear Ratio: 5.57
CAB:	Conventional, Day Cab
TIRE, FRONT:	(2) 12R22.5 Load Range H HSR2 (CONTINENTAL), 483 rev/mile, 75 MPH, All-Position
TIRE, REAR:	(4) 12R22.5 Load Range H HSR2 (CONTINENTAL), 483 rev/mile, 75 MPH, All-Position
SUSPENSION, REAR, SINGLE:	31,000-lb Capacity, Vari-Rate Springs, with 4500-lb Capacity Auxiliary Rubber Springs
PAINT:	Cab schematic 100WP Location 1: 9219, Winter White (Std) Chassis schematic N/A

Code	Description
MV60700	Base Chassis, Model MV607 SBA with 209.00 Wheelbase, 141.90 CA, and 65.00 Axle to Frame.

AXLE CONFIGURATION

1ANA	AXLE CONFIGURATION {Navistar} 4x2
	Notes : Pricing may change if axle configuration is changed.

ENGINE

12ERL	ENGINE, DIESEL {Cummins B6.7 300} EPA 2021, 300HP @ 2600 RPM, 660 lb-ft Torque @ 1600 RPM, 2600 RPM Governed Speed, 300 Peak HP (Max)
12XCS	CARB EMISSION WARR COMPLIANCE Federal, Does Not Comply with CARB Emission Warranty
12WZE	CARB IDLE COMPLIANCE Federal, Does Not Comply with California Clean Air Idle Regulations
12VHP	EMISSION, CALENDAR YEAR {Cummins B6.7} EPA, OBD and GHG Certified for Calendar Year 2021
12UYE	RADIATOR Aluminum, 2-Row, Cross Flow, Over Under System, 717 SqIn Louvered, with 313 SqIn Charge Air Cooler, Includes In-Tank Oil Cooler
	Includes : DEAERATION SYSTEM with Surge Tank : HOSE CLAMPS, RADIATOR HOSES Gates Shrink Band Type; Thermoplastic Coolant Hose Clamps : RADIATOR HOSES Premium, Rubber
12TSY	FAN DRIVE {Borg-Warner SA85} Viscous Type, Screw On
	Includes : FAN Nylon
12VBR	AIR CLEANER with Service Protection Element
12703	ANTI-FREEZE Red, Extended Life Coolant; To -40 Degrees F/ -40 Degrees C, Freeze Protection
12WSY	BLOCK HEATER, ENGINE {Phillips} 120V/750W, for Cummins ISB/B6.7 Engines
	Includes : BLOCK HEATER SOCKET Receptacle Type; Mounted below Drivers Door
12XAT	ENGINE CONTROL, REMOTE MOUNTED Provision for; Includes Wiring for Body Builder Installation of PTO Controls, with Ignition Switch Control, for Cummins ISB/B6.7 and ISL/L9 Engines
12WPV	OIL PAN 15 Quart Capacity, For Cummins ISB/B6.7 Engines
12VXT	THROTTLE, HAND CONTROL Engine Speed Control; Electronic, Stationary, Variable Speed; Mounted on Steering Wheel

TRANSMISSION

13AVL	TRANSMISSION, AUTOMATIC {Allison 3500 RDS} 5th Generation Controls, Wide Ratio, 6-Speed with Double Overdrive, with PTO Provision, Less Retarder, Includes Oil Level Sensor, with 80,000-lb GVW and GCW Max, On/Off Highway
13WUS	ALLISON SPARE INPUT/OUTPUT for Rugged Duty Series (RDS) and Regional Haul Series (RHS), General Purpose Trucks, Package Number 223, Modified for Single Input Auto Neutral
13WEH	AUTOMATIC NEUTRAL Allison Transmission Shifts to Neutral When Parking Brake is Engaged and Remains in Neutral When Parking Brake is Disengaged, without On/Off Switch
13WVV	NEUTRAL AT STOP Allison Transmission Shifts to Neutral When Service Brake is Depressed and Vehicle is at Stop; Remains in Neutral Until Service Brake is Released

Code	Description
13XAL	PTO LOCATION Customer Intends to Install PTO at Left Side of Transmission
13WYU	SHIFT CONTROL PARAMETERS {Allison} 3000 or 4000 Series Transmissions, Performance Programming
13WLP	TRANSMISSION OIL Synthetic; 29 thru 42 Pints
13WET	TRANSMISSION SHIFT CONTROL Column Mounted Stalk Shifter, Not for Use with Allison 1000 & 2000 Series Transmission

CLUTCH

11001	CLUTCH Omit Item (Clutch & Control)

REAR AXLES, SUSPENSIONS

14AHK	AXLE, REAR, SINGLE {Dana Spicer S26-190} Single Reduction, 26,000-lb Capacity, R Wheel Ends . Gear Ratio: 5.57
14VAJ	SUSPENSION, REAR, SINGLE 31,000-lb Capacity, Vari-Rate Springs, with 4500-lb Capacity Auxiliary Rubber Springs

FRONT AXLES

2ASC	AXLE, FRONT NON-DRIVING {Meritor MFS-12-122A} I-Beam Type, 12,000-lb Capacity

FRONT SUSPENSIONS

3ADC	SUSPENSION, FRONT, SPRING Parabolic Taper Leaf, Shackle Type, 12,000-lb Capacity, with Shock Absorbers Includes : SPRING PINS Rubber Bushings, Maintenance-Free

CABS, COWLS, BODIES

16030	CAB Conventional, Day Cab Includes : CLEARANCE/MARKER LIGHTS (5) Flush Mounted
16ZBT	ACCESS, CAB Steel, Driver & Passenger Sides, Two Steps per Door, for use with Day Cab and Extended Cab
16BAM	AIR CONDITIONER with Integral Heater and Defroster
16VKB	CAB INTERIOR TRIM Classic, for Day Cab Includes : CONSOLE, OVERHEAD Molded Plastic with Dual Storage Pockets, Retainer Nets and CB Radio Pocket; Located Above Driver and Passenger : DOME LIGHT, CAB Door Activated and Push On-Off at Light Lens, Timed Theater Dimming, Integral to Overhead Console, Center Mounted : SUN VISOR (2) Padded Vinyl; 2 Moveable (Front-to-Side) Primary Visors, Driver Side with Toll Ticket Strap
16VLK	CAB REAR SUSPENSION Air Suspension, for Mid Cab Height
16GED	GAUGE CLUSTER Base Level; English with English Electronic Speedometer Includes : GAUGE CLUSTER DISPLAY: Base Level (3" Monochromatic Display), Premium Level (5" LCD Color Display); Odometer, Voltmeter, Diagnostic Messages, Gear Indicator, Trip Odometer, Total Engine Hours, Trip Hours, MPG, Distance to Empty/Refill for

Code	Description
	: GAUGE CLUSTER Speedometer, Tachometer, Engine Coolant Temp, Fuel Gauge, DEF Gauge, Oil Pressure Gauge, Primary and Secondary Air Pressure or Auxiliary Air Pressure (if Air Equipped) : WARNING SYSTEM Low Fuel, Low DEF, Low Oil Pressure, High Engine Coolant Temp, Low Battery Voltage (Visual and Audible), Low Air Pressure, Primary and Secondary (if Air Equipped)
16XJN	INSTRUMENT PANEL Flat Panel
16HKT	IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster
16SNT	MIRRORS (2) Aero Pedestal, Power Adjust, Heated, Turn Signals, Black Heads and Arms, 6.5" x 14" Flat Glass, Includes 6.5" x 6" Convex Mirrors, for 102" Load Width
	Notes : Mirror Dimensions are Rounded to the Nearest 0.5"
16JPT	SEAT, DRIVER {National 2000} Air Suspension, Mid Back, Vinyl, 2 Position Front Cushion Adjustment, -3 to +14 Degree Back Angle Adjust
16SMP	SEAT, TWO-MAN PASSENGER {National} Vinyl, Less Under Seat Storage Compartment
16XCK	WINDOW, MANUAL (2) and Manual Door Locks, Left and Right Doors

FRAMES

1CAH	FRAME RAILS Heat Treated Alloy Steel (120,000 PSI Yield); 10.375" x 3.705" x 0.438" (263.5mm x 94.1mm x 11.1mm); 456.0" (11582mm) Maximum OAL
1LNG	BUMPER, FRONT Contoured, Steel, Painted Gloss Black
1570	TOW HOOK, FRONT (2) Frame Mounted
1WEJ	WHEELBASE RANGE 199" (505cm) Through and Including 254" (645cm)

BRAKES

4091	BRAKE SYSTEM, AIR Dual System for Straight Truck Applications
	Includes : BRAKE LINES Color and Size Coded Nylon : DRAIN VALVE Twist-Type : GAUGE, AIR PRESSURE (2) Air 1 and Air 2 Gauges; Located in Instrument Cluster : PARKING BRAKE CONTROL Yellow Knob, Located on Instrument Panel : PARKING BRAKE VALVE For Truck : QUICK RELEASE VALVE On Rear Axle for Spring Brake Release: 1 for 4x2, 2 for 6x4 : SPRING BRAKE MODULATOR VALVE R-7 for 4x2, SR-7 with relay valve for 6x4/8x6
4AZA	AIR BRAKE ABS {Bendix AntiLock Brake System} 4-Channel (4 Sensor/4 Modulator) Full Vehicle Wheel Control System
4XDC	BRAKES, FRONT {Meritor 15X4 Q-PLUS CAST} Air S-Cam Type, Cast Spider, Fabricated Shoe, Double Anchor Pin, Size 15" X 4", 13,200-lb Capacity
4EXP	BRAKE CHAMBERS, FRONT AXLE {Bendix} 20 SqIn
4LAG	SLACK ADJUSTERS, FRONT {Gunite} Automatic
4XCZ	BRAKES, REAR {Meritor 16.5X7 P} Air S-Cam Type, Cast Spider, Cast Shoe, Double Anchor Pin, Includes Greaseable and Zinc Coated Anchor Pins, Size 16.5" X 7", 38,000-lb Capacity per Axle
4EXU	BRAKE CHAMBERS, REAR AXLE {Bendix EverSure} 30/30 SqIn Spring Brake
4LGG	SLACK ADJUSTERS, REAR {Gunite} Automatic
4SPA	AIR COMPRESSOR {Cummins} 18.7 CFM

Code	Description
4VKH	AIR TANK LOCATION (2) Mounted Under Battery Box, Outside Right Rail, Under Cab

STEERING

5PSA	STEERING GEAR {Sheppard M100} Power
5708	STEERING COLUMN Tilting
5CAW	STEERING WHEEL 4-Spoke; 18" Dia., Black

DRIVELINES

6DGG	DRIVELINE SYSTEM {Dana Spicer} 1710, for 4x2/6x2

EXHAUST SYSTEMS

7BME	EXHAUST SYSTEM Horizontal Aftertreatment System, Frame Mounted Under Right Rail Back of Cab, Includes Single Short Horizontal Tail Pipe
7SCP	ENGINE EXHAUST BRAKE for Cummins ISB/B6.7/ISL/L9 Engine with Variable Vane Turbo Charger

ELECTRICAL SYSTEMS

8000	ELECTRICAL SYSTEM 12-Volt, Standard Equipment Includes : DATA LINK CONNECTOR For Vehicle Programming and Diagnostics In Cab : HAZARD SWITCH Push On/Push Off, Located on Instrument Panel to Right of Steering Wheel : HEADLIGHT DIMMER SWITCH Integral with Turn Signal Lever : PARKING LIGHT Integral with Front Turn Signal and Rear Tail Light : STARTER SWITCH Electric, Key Operated : STOP, TURN, TAIL & B/U LIGHTS Dual, Rear, Combination with Reflector : TURN SIGNAL SWITCH Self-Cancelling for Trucks, Manual Cancelling for Tractors, with Lane Change Feature : TURN SIGNALS, FRONT Includes Reflectors and Auxiliary Side Turn Signals, Solid State Flashers; Flush Mounted : WINDSHIELD WIPER SWITCH 2-Speed with Wash and Intermittent Feature (5 Pre-Set Delays), Integral with Turn Signal Lever : WINDSHIELD WIPERS Single Motor, Electric, Cowl Mounted : WIRING, CHASSIS Color Coded and Continuously Numbered
8GXD	ALTERNATOR {Leece-Neville AVI160P2013} Brush Type, 12 Volt, 160 Amp Capacity, Pad Mount, with Remote Sense
8RPP	ANTENNA Shark Fin, Roof Mounted
8THB	BACK-UP ALARM Electric, 102 dBA
8VUX	BATTERY BOX Steel, with Plastic Cover, 25" Wide, 2-3 Battery Capacity, Mounted Right Side Under Cab
8MJT	BATTERY SYSTEM {Fleetrite} Maintenance-Free, (2) 12-Volt 1900CCA Total, Top Threaded Stud
8HAB	BODY BUILDER WIRING Back of Day Cab at Left Frame or Under Sleeper, Extended or Crew Cab at Left Frame; Includes Sealed Connectors for Tail/Amber Turn/Marker/ Backup/Accessory Power/Ground and Sealed Connector for Stop/Turn
8XAH	CIRCUIT BREAKERS Manual-Reset (Main Panel) SAE Type III with Trip Indicators, Replaces All Fuses
8518	CIGAR LIGHTER Includes Ash Cup

Code	Description
8HAH	ELECTRIC TRAILER BRAKE/LIGHTS Accommodation Package to Rear of Frame; for Combined Trailer Stop, Tail, Turn, Marker Light Circuits; Includes Electric Trailer Brake Accommodation Package with Cab Connections for Mounting Customer Installed Electric Brake Unit, Less Trailer Socket
8XKC	HEADLIGHTS Halogen, with Daytime Running Lights, Automatic Twilight Controlled
8XHN	HORN, AIR Single Trumpet, Black, with Lanyard Pull Cord
8VAY	HORN, ELECTRIC Disc Style
8WWJ	INDICATOR, LOW COOLANT LEVEL with Audible Alarm
8718	POWER SOURCE Cigar Type Receptacle without Plug and Cord
8RPT	RADIO AM/FM/WB/Clock/USB Input/Auxiliary Input
8RMV	SPEAKERS (2) 6.5" Dual Cone Mounted in Doors
8WTK	STARTING MOTOR {Delco Remy 38MT Type 300} 12 Volt, Less Thermal Over-Crank Protection
8TKK	TRAILER AUXILIARY FEED CIRCUIT for Electric Trailer Brake Accommodation/Air Trailer ABS; with 30 Amp Fuse and Relay, Controlled by Ignition Switch

FRONT END

9WAY	FRONT END Tilting, Fiberglass, with Three Piece Construction
9HAD	GRILLE Chrome
9AAB	LOGOS EXTERIOR Model Badges
9AAE	LOGOS EXTERIOR, ENGINE Badges

SPEEDOMETER, TOOLS, MISC

10JPA	CUSTOMER IDENTITY for Sourcewell
10060	PAINT SCHEMATIC, PT-1 Single Color, Design 100 Includes : PAINT SCHEMATIC ID LETTERS "WP"
10761	PAINT TYPE Base Coat/Clear Coat, 1-2 Tone
10SLV	PROMOTIONAL PACKAGE Government Silver Package

FUEL TANKS

15SRE	FUEL TANK Top Draw, Non-Polished Aluminum, D-Style, 19" Tank Depth, 50 US Gal (189L), Mounted Left Side, Under Cab
15WDG	DEF TANK 7 US Gal (26L) Capacity, Frame Mounted Outside Left Rail, Under Cab
15LMS	FUEL/WATER SEPARATOR 12 VDC Electric Heater, Includes Pre-Heater, Includes Water-in-Fuel Sensor, Cummins Supplied on Engine

WHEELS, TIRES - FRONT

27DTJ	WHEELS, FRONT {Maxion 90541} DISC; 22.5x8.25 Rims, Painted Steel, 2-Hand Hole, 10-Stud, 285.75mm BC, Hub-Piloted, Flanged Nut, with Steel Hubs
7382155415	(2) TIRE, FRONT 12R22.5 Load Range H HSR2 (CONTINENTAL), 483 rev/mile, 75 MPH, All-Position

WHEELS, TIRES - REAR

Code	Description
28DTJ	WHEELS, REAR {Maxion 90541} DUAL DISC; 22.5x8.25 Rims, Painted Steel, 2-Hand Hole, 10-Stud, 285.75mm BC, Hub-Piloted, Flanged Nut, with Steel Hubs
7382155415	(4) TIRE, REAR 12R22.5 Load Range H HSR2 (CONTINENTAL), 483 rev/mile, 75 MPH, All-Position

WHEELS MISC OPTIONS

29PAR	PAINT IDENTITY, FRONT WHEELS Disc Front Wheels; with Vendor Applied White Powder Coat Paint
29PAS	PAINT IDENTITY, REAR WHEELS Disc Rear Wheels; with Vendor Applied White Powder Coat Paint

BODY INTEGRATION

60AKG	BDY INTG, PTO ACCOMMODATION for (3) Latched Rocker Switches, (1) PTO Switch, (2) Generic Switches to Control (3) 30 amp relays, with Programmable Interlocks, for Body Builder Hook up in the Engine Compartment Left Side, Recommended for Automatic Transmissions
	Services Section:

WARRANTY

40129	WARRANTY Standard for MV Series, Effective with Vehicles Built July 1, 2017 or Later, CTS-2020A

H.D. INDUSTRIES, Inc.

Pro-Patch Pot Hole Patcher

P.O. BOX 8250 · JACKSONVILLE, TEXAS 75766 · (903) 586-6126 · www.pro-patch.com

August 24, 2021

Dean Smith
City of Joplin, MO

Dear Mr. Smith:

Thank you for requesting information on the Pro-Patch Asphalt Pothole Patcher. I appreciate your interest and I am sending you this quote with recommended options for a well-equipped patch unit. However, you can add or delete items to best suit your needs. The Pro-Patch can be purchased through TIPS, the Texas Buyboard or HGAC.

1.	Basic Unit Model TCM 500-80 DHER	$57,950.00
2.	Emulsion Automatic Rejuvenator System	2,232.00
3.	1.25 Cubic yard 30" Spoils Bin Gravity Dump	2,215.00
4.	Hydraulic Bi-fold Steel Top Doors	4,998.00
5.	25 CFM Hydraulic Air Compressor	3,970.00
6.	Air-line hose reel with 20' of hose	625.00
7.	Hydraulic Rear Lift Platform for compactor Plate or Roller w/Breaker Mount	3,050.00
8.	Hydraulic Secondary Auger Motor	1,999.00
9.	Diesel Fuel Hose Reel w/20 FT Hose	375.00
10.	8 Gallon Drip & Waste Pan	490.00
11.	10 Gallon Stainless Steel Water Tank	620.00
12.	50 Gallon Frame Mounted LP Gas Bottle	1,895.00
13.	Superior Signal SRTA16, 16-Light Arrow Board	1,525.00
14.	Four (4) Maxxima M20484YCL 4" Amber LED Strobe Lights, Grill Mount	450.00
15.	Meteorlight SY2000 Strobe Light LED, Pedestal Mount	355.00
16.	Maxxima Rectangular 6.5" Oval Tail Lights, Backup and Amber Strobes	665.00
17.	22" x 46" Work Deck	1,147.00
18.	Backup Camera RVS-770613- KIT1 Color w/ Audio Sound	595.00
19.	Four (2) Asphalt Lute/Shovel Holder, 1 on each side	320.00
20.	Chelsea Hot Shift PTO	2,195.00
21.	Electronic Engine Throttle Control	362.00
22.	10 lb ABC Fire Extinguisher	160.00
23.	Color: Black	Included
	Subtotal	**$88,393.00**
	Delivery and Training	**$1,723.00**
	TOTAL	**$90,116.00**

Delivery ~~in 120—150~~30-45 days after receiving ~~purchase order~~chassis.

Pricing is good for 90 days. I hope this information is helpful to you. If you have any questions or need any additional information, please feel free to give me a call at 1-800-256-6126. Thank you.

Sincerely,

Harold Dillingham,

Harold Dillingham, President

H.D. INDUSTRIES, Inc.

Pro-Patch Pot Hole Patcher

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ASPHALT POTHOLE PATCHER
SPECIFICATIONS MODEL TCM 500-80-DHER

1. **GENERAL**
The ***Pro-Patch*** model TCM 500-80-DHER is a unitized asphalt repair machine capable of making permanent asphalt repairs under most weather conditions.

2. **BODY DIMENSIONS**
The body is 112" long, 54" high and 78" wide. Hopper is 10 gauge steel and 16 gauge insulated jacket. It has Diamond Tread safety step side fenders with body assist handles. Body has L.E.D. style stop, turn, emergency flashers and marker lights. The body has a lockable tool storage compartment measuring 83" long, 18" deep and 10" high. All electrical wiring shall be color coded, soldered, shrink wrapped in polyvinyl, and incased in conduit. ***MUD FLAPS INCLUDED.***

3. **BODY INSULATION**
The asphalt aggregate hopper and road oil tank are fully insulated with 2" industrial, high temperature 12R factor insulation encased in a double steel jacket.

4. **CAPACITY**
The asphalt aggregate hopper holds 500 cubic yards level full or 7 tons maximum load.

5. **HEATING SYSTEMS**
The body shall have a dry radiant heat chamber heated by 2 each 67,000 BTU retort tube propane burners with vertical exhaust stacks. **The exhaust stack dampeners are electronically actuated to close when burners are off to reduce heat loss**. The burners are thermostat controlled and regulated at 10 PSI. The ignition system is 12 volt DC with electronic igniter. Gas burner has a safety shut-off on loss of flame or excessive temperature. Automatic safety shut-off when diesel pump is operating. Burner has two stages, ignites on 10 oz. pressure, operates at 10 PSI, on high burn regulated by the same thermostat as the electric heater. Thermostats will be 0/300° F. solid state. *Systems using Heat Transfer Oil are not acceptable.*

6. **ELECTRONIC CONTROLS**
All electronic controls will be solid state shock resistant. Thermostat for tack oil tank is 50/200° F. Thermostat for asphalt aggregate hopper is 0/300° F. Digital with temperature read out. Thermostat for the asphalt hopper has built in high limit safety shut down switch. Same thermostat controls the 12 volt LP Gas fired system and the 220 volt electric heating system.

7. **EMULSION OIL TANK CAPACITY AND HEATING SYSTEM**
The tank, built onto the main body, has a capacity of 80 gallons and a double steel jacket with 2" insulation. The tank is equipped with a heat transfer system with an adjustable temperature valve that is capable of heating the emulsion oil from 0 to 150° F., using the truck engine coolant system as the heat source. *The emulsion pump and all lines are in an insulated heated area*. The tank has 220 volt thermostat controlled ***NEMA explosion proof*** dry well electric heater. Tank has an 8" fill spout and a 2" gate valve on tank drain. *For ease of maintenance or change out of heater, tank does not have to be drained.*

8. **EMULSION REJUVENATOR**
The tank is equipped with an automatic rejuvenation system, Patent No. 16597547, that will help keep the emulsion oil from separating which will prevent pump and lines from clogging up and eliminate sludge build-up in the tank.

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Pro-Patch Pot Hole Patcher
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ASPHALT POTHOLE PATCHER
SPECIFICATIONS MODEL TCM 500-80-DHER

9. **ELECTRIC HEATING SYSTEM**
The asphalt aggregate hopper and liquid asphalt oil tank is heated by a 220 volt, 62 kw ***OSHA required NEMA explosion proof*** dry well electric heater, thermostat controlled with 25' of cord with dual in-line 30 amp fuses with MOV 220 vac surge absorber. The heating system is capable of maintaining heated material up to 300° F. during non-working hours.

10. **HYDRAULIC CONTROL VALVE**
Five spool, two-way, variable flow with 2200 PSI relief valve. The valve controls hydraulic screw conveyor, hydraulic doors, asphalt agitator, liquid asphalt pump and tool circuit. **The valve has an internal or external safety design that will protect the operator and not allow the screw conveyor or asphalt agitator to operate when the doors are open.** This system is designed to divert hydraulic oil pressure back to the tank. Electric solenoids on hydraulic valve are not acceptable due to mechanical override feature and ease of bypassing system. The valve is operated from the rear of machine by remote levers. To reduce maintenance problems the main directional control valve stack has no electric solenoids.

11. **HYDRAULIC OPERATED STEEL TOP DOORS**
Two (2) hydraulically operated bi-fold steel top doors with hex brake for rigidity. Doors are insulated with 2" of high temperature insulation in a double steel jacket. The doors have rain seal caps and flex plates to keep asphalt out of door hinges. Each door shall have a 1 ½" bore with 13" stroke hydraulic cylinder with bypass and flow control valves. The controls for doors are at the rear of the unit.

12. **HYRAULIC REAR LIFT PLATFORM FOR COMPACTOR**
Equipped with a hydraulically operated lift platform for loading or unloading compactor plate. The platform has a Safety latch in the up position, an in cab "platform down" indicator light with compactor holding down brackets and A pavement breaker mount. All controls for platform are at the rear of the unit.

13. **ASPHALT DISPENSING SYSTEM, SCREW CONVEYOR TYPE**
10' long by 6" diameter progressive screw conveyor has hard surfaced flights welded continuously on 2" scheduled 80 pipe and is ball bearing mounted. Conveyor is driven by a 13,000 in.lb. torque variable speed hydraulic motor with forward and reverse. Shall have a delivery chute with 120° of pivot. *All bearings can be greased through a feeder line mounted outside the unit from ground level.*

14. **HYDRAULIC SECONDARY AUGER MOTOR**
A secondary, hydraulic, 13,000 in. lb. torque, variable speed booster motor installed at rear of auger to assist in dispensing bad or stiff asphalt mix. This also eliminates shearing coupler keys and bolts in the auger shaft

15. **ASPHALT AGITATOR**
The agitator shaft is built into the premix hopper and designed to break up asphalt bridging due to vibratory compaction. The scheduled 160 shaft has 12 spikes and is ball bearing mounted and driven by a 13,000 in.lb. torque variable speed hydraulic motor with forward and reverse. *All bearings can be greased through a feeder line mounted outside the unit from ground level.*

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ASPHALT POTHOLE PATCHER
SPECIFICATIONS MODEL TCM 500-80-DHER

16. **FRAME MOUNTED LP GAS BOTTLE**
50 Gallon frame mounted LP gas Bottle with quick fill connector, 10 PSI regulator and fuel sight gauge.

17. **HAND TORCH**
For drying off repair site and cleaning hand tools, the unit has a 200,000 BTU propane hand torch with shut-off valve and 10' of hose with hose rack. Hand torch has mounting bracket for transport.

18. **TEMPERATURE GAUGES**
The unit has two 3" dial type, stainless steel temperature gauges that constantly monitor the temperature of the asphalt hopper and road oil tank.

19. **LIQUID ASPHALT OIL PUMP**
A hydraulically driven, 1 1/2" self-priming, variable speed, reversible, rotary gear pump with relief valve. Operating at 20 GPM at 1200 RPM, 100 PSI. *The emulsion pump and all oil lines are in an insulated heated area.* The pump will circulate the emulsion oil to prevent separation and to crush any lumps that may form and cause clogging of the spray tip. *Air injection systems do not have this capability.*

20. **DIESEL FUEL / RELEASING AGENT STORAGE TANK**
An 18 gallon capacity tank, equipped with a 1.6 gpm @ 60 psi 12 volt DC pump and a hand sprayer for cleaning tools and unit. There shall be a connector valve for flushing road oil pump and lines and a 1" drain. For easy hopper cleaning access and to spray hopper before loading, units with a work deck shall have an additional front mounted spray wand with 3 ft. of hose.

21. **DIESEL FUEL / RELEASING AGENT HOSE REEL**
Hose reel for diesel fuel / releasing agent, spray wand has 20' of hose. Reel is spring loaded auto-retractable.

22. **LIQUID ASPHALT HAND SPRAYER**
A 5' x 3/8" wand, equipped with fan nozzle and Deadman Control Valve. Sprayer hose is 15' x 1/2" with a reversible pump and diesel flush system for cleaning pump and lines.

23. **HYDRAULIC PUMP**
PTO Direct mount hydraulic pump is gear type, variable speed at 12 GPM and has an operating pressure of 2000 PSI at 900 RPM.

24. **HYDRAULIC OIL RESERVOIR**
30 gallon capacity with sight and temperature gauge, ventilated fill cap, 150 micron sump strainer and a 10 micron return filler with 1" gate cutoff valve at filter.

25. **HYDRAULIC OIL COOLER**
An AKG 15 tube hydraulic oil cooler with shroud. Fan operates on 12 vdc and is thermostat controlled at 115° F.

26. **HYDRAULIC HOSE AND FITTINGS**
All high pressure hoses and crimped fittings have a minimum of 8000 PSI burst pressure.

ASPHALT POTHOLE PATCHER
SPECIFICATIONS MODEL TCM 500-80-DHER

27. **HYDRAULIC AIR COMPRESSOR**
A separate self-contained 25 CFM @ 125 PSI. 1200 RPM hydraulic driven air compressor with 60 PSI oil pump and cooling fan, used to blow out repair sight and other compressed air demands. Hydraulic and electric controls are located at right rear of unit. Air compressor comes with quick couplers, 20 foot air hose, 5 foot air blow gun with deadman control valve, 5 gallon air tank with cable assisted condensation drain and 150 psi relief valve.

28. **AIR-LINE HOSE REEL**
An air-line hose reel with 20' of hose. Reel is spring loaded auto-retractable.

29. **WATER TANK**
A frame mounted stainless steel ten (10) gallon tank with valve and hose. Water supply for asphalt compactor plate.

30. **DRIP PAN**
An eight (8) gallon drip pan for waste oil combination, for flushing pump, spray wand and lines at the end of the work Day, with necessary valve for draining.

31. **WORK DECK**
22"x46" work deck shall be constructed of ¼" angle iron and 3/16" expanded metal and expanded metal steps with assist hand rails and shall be mounted between truck and hopper body. Deck provides easy and safe access to emulsion oil tank and asphalt hopper.

32. **SPOILS BIN**
The spoils bin is 30" wide with a 1.25 cubic yard capacity, gravity dump. Asphalt spoils may be loaded or discharged from both sides of the truck.

33. **16-LIGHT DIRECTIONAL ARROW BOARD**
State D.O.T. Approved Superior Signal model SRTA16. With 16 amber (L.E.D.) lights, 32 flash patterns, 8 patterns per function. Arrow flashing left, right, and warning bar.
The board is mounted on the rear of the patch unit with in cab controls.

34. **STROBE LIGHT**
A pedestal mounted Meteorlight model SY2000 LED Amber, 80 Flashes per minute.

35. **GRILL MOUNT STROBE LIGHT**
Two (2) Superior Signal SS-SYLED04-AA, LED Amber or White 4" Front Grill Strobe Lights, 22 flash patterns.

36. **MAXXIMO STT RECTANGLE 6.5" OVAL TAIL LIGHTS**
LED RED, CLEAR, AMBER, & STROBE tail lights

37. **BACKUP CAMERA**
Backup Camera RVS-770613 – Kit1 Color w/ audio sound

38. **ASPHALT LUTE AND SHOVEL HOLDERS**
Two (2) each spring loaded asphalt lute and shovel holders. One (1) mounted driver's side and one (1) mounted curb side of unit.

39. **P.T.O.**
A Chelsea, 280 Series, Hot Shift with over speed.

ASPHALT POTHOLE PATCHER
SPECIFICATIONS MODEL TCM 500-80-DHER

40. **ELECTRONIC THROTTLE CONTROL**
A two (2) or three (3) speed, depending on application, rear mounted remote switch allows operator more control over which speed and pressure each particular job requires. As a safety feature, the switch will not function unless the park brake is set on the vehicle.

41. **FIRE EXTINGUISHER**
10 LB ABC Fire Extinguisher

42. **COLOR**
Black. Two (2) parts epoxy primer, two (2) finish coats polyurethane with epoxy hardener.

43. **SERVICE MANUALS AND TRAINING**
H.D. Industries, will furnish two (2) parts, service and operators manuals with a two (2) day training program for each machine and delivery.

44. **WARRANTY**
H.D. Industries warrants the ***Pro-Patch*** Asphalt Pothole Patcher for a full twelve (12) months against defects in material and workmanship of the body and on all parts and labor. Warranty work will be performed by Maryland Industrial Trucks. The contact person is Person Christ Hirsch. He can be reached at 410-6361255 EXT. 1018 or at chirsch@mdindustrialtrucks.com.

The warranty shall also include factory technical support by emailing info@pro-patch.com or call 1-800-256-6126. The Purchaser or end user shall be given a password that will give them 24 hour operating and maintenance instructions on any computer or smart phone.

H.D. Industries, Inc.
Pro-Patch Asphalt Pothole Patcher Price List
Sourcewell

EFFECTIVE : 2021

Brand Name	Model No.	Description	% Off List Price	List Price	Price
Truck Mounted Pro-Patch					
Pro-Patch	TCM 300-40 DHE	3 Cubic Yard Truck Mounted Dry Heat Asphalt Pothole Patcher with 40 gallon built on Tack Oil Tank	5.00%	$69,825.00	$ 66,500.00
Pro-Patch	TCM 425-80 or 100 DHE	4.25 Cubic Yard Truck Mounted Dry Heat Asphalt Pothole Patcher with 80 or 100 gallon built on Tack Oil Tank	5.00%	$75,950.00	$72,153.00
Pro-Patch	TCM 500-80 or 100 DHE	5 Cubic Yard Truck Mounted Dry Heat Asphalt Pothole Patcher with 80 or 100 Gallon Built on Tack Oil Tank	5.00%	$76,950.00	$73,103.00
Pro-Patch	TCM 600-80, 100, or 120 DHE	6 Cubic Yard Truck Mounted Dry Heat Asphalt Pothole Patcher with 80, 100, or 120 Gallon Built on Tack Oil Tank	5.00%	$77,950.00	$ 74,053.00
Truck Mounted Dump Body Units					
Pro-Patch	TMD 425-80 or 100DHE	4.25 Cubic Yard Truck Mounted Dump Body Dry Heat Asphalt Pothole Patcher with 80 or 100 gallon built on Tack Oil Tank	5.00%	$75,950.00	$ 72,153.00
Pro-Patch	TMD 500-80 or 100DHE	5 Cubic Yard Truck Mounted Dump Body Dry Heat Asphalt Pothole Patcher with 80 or 100 gallon built on Tack Oil Tank	5.00%	$76,950.00	$ 73,103.00
Truck Mounted Units with Diesel Fired Burners					
Pro-Patch	TCM 425-80-DHED	4.25 Cubic Yard Truck Mounted Diesel Fired Dry Heat Asphalt Pothole Patcher with 80 Gallon Independent Tack Oil Tank	5.00%	$75,950.00	$ 72,153.00
Pro-Patch	TCM 500-80-DHED	5 Cubic yard Truck Mounted Diesel Fired Dry Heat Asphalt Pothole Patcher with 80 Gallon Independent Tack Oil Tank	5.00%	$76,950.00	$ 73,103.00
All Electric Units with Emulsion Pump System					
Pro-Patch	TCM 425-80-AEEP	4.25 Cubic Yard Truck Mounted All Electric Asphalt Pothole Patcher with 80 Gal. Built on Tack Oil Tank	5.00%	$89,250.00	$ 85,000.00
Pro-Patch	TCM 500-80-AEEP	5 Cubic Yard Truck Mounted All Electric Asphalt Pothole Patcher with 80 Gal. Built on Tack Oil Tank	5.00%	$89,900.00	$ 85,405.00
Pro-Patch	TCM 600-80 or 100AEEP	6 Cubic Yard Truck Mounted All Electric Asphalt Pothole Patcher 80 or 100 Gal. Built on Tack Oil Tank	5.00%	$91,600.00	$ 87,020.00
All Electric Units with Air Injected Emulsion System					
Pro-Patch	TCM 425-80-AEA	4.25 Cubic Yard Truck Mounted All Electric Asphalt Pothole Patcher with 80 Gal. Built on Tack Oil Tank	5.00%	$89,250.00	$ 85,000.00
Pro-Patch	TCM 500-80-AEA	5 Cubic Yard Truck Mounted All Electric Asphalt Pothole Patcher with 80 Gal. Built on Tack Oil Tank	5.00%	$89,900.00	$ 85,405.00
Pro-Patch	TCM 600-80-AEA	6 Cubic Yard Truck Mounted All Electric Asphalt Pothole Patcher with 80 Gal. Built on Tack Oil Tank	5.00%	$91,600.00	$ 87,020.00
Truck Mounted Units with CNG Gas Burners					

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