

REQUEST FOR PROPOSALS

Un-Priced Technical Proposals

ADDENDUM # 2

To provide

**Single Engine Powered High-Velocity Combination Sewer Cleaner/Vacuum
and Chassis**

BID # 2021-002WL

Publication Dates: January 14, 2021 & January 21, 2021

BID Response Deadline: February 11, 2021 at 2:00 PM

Reverse Auction: February 18, 2021 at 10:30

ADDENDUM # 2

Single Engine Powered High-Velocity Combination Sewer Cleaner/Vacuum and Chassis Bid # 2021-002WL

(PHASE ONE OF A MULTI-STEP PROCUREMENT PROCESS)

SINGLE ENGINE POWERED HIGH-VELOCITY COMBINATION SEWER CLEANER/VACUUM AND CHASSIS BID # 2021-002WL

ADDENDUM # 2: TECHNICAL SPECIFICATIONS

*See changes/additions in **RED**.

Round Debris Storage Tank – No changes or additions

Water Tanks - No changes or additions

Water Pump System – No changes or additions

Air Vac System – No changes or additions

Vacuum Boom System – No changes or additions

Debris Body – No changes or additions

Debris Tank Dual Flush Out System – No changes or additions

Hose Reel Assembly – No changes or additions

Operating Station and Controls – No changes or additions

In Cab Controls – No Changes or additions

Miscellaneous Tools, Accessories, Storage – No changes or additions

Standard Items to be Included – No changes or additions

***Lighting**

1. The body shall include two stop and turn tail-lights, two backup lights, a license plate light and all DOT required clearance lights and reflectors. All lights are to be LED. A back-up alarm shall be installed.
2. Amber LED strobe lights shall be installed, two on the top front of the unit, two side strobes and two strobes on the top rear of the unit, one on each side. In addition, an LED directional arrow board shall be installed on the rear of the unit.
3. A wireless rechargeable hand-held spotlight with charging station shall be supplied to aid in viewing deep manholes.
4. Dual boom mounted work lights shall be installed for nighttime work. In addition, six flood lights shall be installed around the unit, two at the rear, one on the hose reel, one on each side of truck body and one at the side dump station.

Warranty – No changes or additions

2021 Truck Chassis Basic Minimum Specifications

The following are the minimum basic truck chassis specifications. A detailed chassis specification must be included with bid that includes a turning radius and wall to wall turning diameter diagram.

- 2020 IH HV607 SBA Conventional Cab Tandem Axle
- Wheelbase (W.B.) = 266 Inches
- G.V.W.R. Front = 20,000 Lbs
- G.V.W.R. Rear = 46,000 Lbs
- G.A.W.R.R. = 66,000 Lbs
- Cab to Axle (CA) = 198.90 Inches
- Chassis Turning Radius = 40'11"
- Chassis Wall to Wall Turning Diameter = 86'2"
- **Minimum 370 H.P. Diesel Engine (Equal or equivalent to Cummins)**
- **Minimum 3000 RDS Automatic Transmission (Equal or equivalent to Allison)**

General Bidder Requirements/Information – No changes or additions

FORM A

*Submission Cover Letter
for
Un-priced Technical Proposals*

Includes Addendum # 2 changes and additions

Mobile Single Engine Powered High Velocity Combination Sewer Cleaner/Vacuum and Chassis
Bid # 2021-002WL

The undersigned proposes to provide LED Luminaires as per the specifications (and addendum) provided by the City of Tupelo and the subsequent proposal from the bidder named below:

If, after reviewing all vendor submissions, the City of Tupelo decides to invite Mid South Septic Services, LLC (company name) to submit priced bids, we agree to participate in the reverse auction, which will take place on **February 18, 2021 at 10:00 AM**. We understand that detailed instructions regarding the reverse auction process will be emailed to all approved vendors.

It is understood that we have only one opportunity to submit an un-priced technical proposal. We affirm that we have read and understood this request for un-priced technical proposals and understand that Phase Two must be completed before the items are awarded. We understand that any missing information or documents required by the BID may be cause for rejection of the proposal.

We acknowledge that the City of Tupelo has the sole discretion and authority to determine whether our proposed commodity meets the specifications issued and also if it will meet the requirements and needs of the City of Tupelo Water & Light Department in performing their assigned daily tasks. We understand that the City of Tupelo may or may not invite our participation in Phase Two (REVERSE AUCTION – Priced Bids) of this procurement.

We agree to abide by the terms and conditions of the PH Bidding Group Supplier agreement and understand that any questions regarding the agreement or the bid process should be directed to 662-407-0193 or cory@phbidding.com.

If we are invited by the City of Tupelo to participate in Phase Two (REVERSE AUCTION – Priced Bids) of this procurement, the invitation should be directed to:

Printed Name Mark Redd

Title Sales Manager

Company Name Mid South Septic Services, LLC

Email mark@midsouthseptic.com

Phone 901-616-7009

FORM B

Proposal Form

Includes Addendum # 2 changes and additions

Mobile Single Engine Powered High Velocity Combination Sewer Cleaner/Vacuum and Chassis
Bid # 2021-002WL

The undersigned proposes to furnish a Mobile Single Engine Powered High Velocity Combination Sewer Cleaner/Vacuum and Chassis that meets the specifications provided. The undersigned certifies that the minimum specifications, terms and conditions contained in this BID have been considered and understood. By submitting a proposal, I/We do certify that the commodities offered do meet the specifications contained in this Invitation to Bid.

The Combination Jetter-Vacuum Unit is to perform cleaning and removal of sand, stone, bottles, cans, grease and sludge and any other materials from pits, catch basins, lift stations, sanitary or sewer water drain lines. The machine must be a single engine design. The machine shall use a high-pressure jet rodding system in conjunction with a vacuum system for the removal of debris. This unit is to be truck mounted as described in this specification.

Please confirm the required specifications.

=====
Specifications:

Round Debris Storage Tank

1. The debris tank volume shall be ten (10) cubic yards (2,020 gallons) with a minimum usable capacity of 9.5 cubic yards.

Comply (Yes) (No) Will Supply 9.7 cu. yd. usable capacity

2. The entire debris tank shall be hinged at the rear and designed to dump at a 45-degree angle via a 3-stage hydraulic cylinder with a rated capacity of 56,000 lbs. Units with internal push out plates or scissor style tank lifts that may require periodic maintenance shall not be acceptable. For additional safety during routine maintenance, a manual tank prop shall be supplied.

Comply (Yes) (No) Will Supply _____

3. A top hinged, full diameter domed rear door shall hydraulically open and close to a 90-degree angle to eliminate dragging the door through the discharged debris. This shall be accomplished by means of a power open, power close hydraulic cylinder. This feature shall eliminate the need for door grabbers or hooks to secure the rear door during the locking and unlocking process. For ease of maintenance, cleaning and dumping, tanks with half door or flat steel door designs will be considered unacceptable.

Comply (Yes) (No) Will Supply Full diameter, domed for maximum strength

4. For maximum operator safety, all controls for raising and lowering the debris tank, locking and unlocking the rear door, power opening and power closing of the rear door, debris tank flush-out system, boom functions, engine throttle, water pump engagement and emergency kill switch shall be located in a NEMA 4 control panel positioned on the curb side of the power deck just behind the chassis cab.

Comply (Yes) (No) _____ Will Supply _____

Water Tanks

1. The combined usable capacity of the water tanks shall be a minimum of 1,400 gallons and a maximum of 1,500 gallons.

Comply (Yes) (No) _____ Will Supply 1,450 gallon usable capacity

2. The water tanks shall have a minimum of 4" inter-connections to assure rapid, level filling and even load distribution.

Comply (Yes) (No) _____ Will Supply _____

3. A water fill system with direct flow from a water hydrant shall be located on the curbside of the unit and supplied with a 2.5" NSFT female swivel connection. An inline strainer shall be supplied to prevent sediment from entering the water tanks.

Comply (Yes) (No) _____ Will Supply _____

4. The water tanks shall be manufactured from a non-corrosive material to prevent rust yet still provide for maximum strength.

Comply (Yes) (No) _____ Will Supply Poly graphite with lifetime warranty

Water Pump System

1. The pump shall be capable of operating at flows from 0-100 gallons per minute and from pressures of 0-2500 PSI, without changing the nozzle. The pressure and GPM shall be adjustable at the operator's station via a pneumatically operated unloader valve assembly. This shall allow the operator to vary the pressure and/or GPM without affecting engine RPM or vacuum system performance.

Comply (Yes) (No) _____ Will Supply _____

2. An adjustable spray wash down handgun with 1/2" x 35' hose shall be provided at mid-ship to allow the operator to deliver water to area served by pick up hose and to the inside of the debris body for clean out.

Comply (Yes) (No) _____ Will Supply _____

Air Vac System

1. The vacuum system shall include a positive displacement rotary lobe type blower driven via chassis engine and heavy duty split transfer case direct to the blower. This system shall be capable of a minimum of 18" Hg of vacuum and 5,197 CFM air flow. This system shall allow the operator to vacuum debris that is submerged under water or in a dry environment. Air conveyance (fan) systems and hydraulically driven vacuum systems are not acceptable.

Comply (Yes) (No) _____ Will Supply _____

2. A vacuum/pressure gauge shall be supplied at the operator's station.

Comply (Yes) (No) _____ Will Supply _____

3. A self-aligning, positive sealing ball and rubber socket connection between the debris tank and the air-vac system shall be supplied.

Comply (Yes) (No) _____ Will Supply _____

Vacuum Boom System

1. One (1) quick clamp for each pipe supplied shall be provided.

Comply (Yes) (No) _____ Will Supply _____

2. Boom shall be fully controlled by a remote push button pendant control station with 25 ft cable. Controls to include up/down, left/right, in/out boom functions, vacuum relief, e-stop and main power switch.

Comply (Yes) (No) _____ Will Supply _____

3. A cordless remote boom control system equipped to activate boom functions, throttle, water pump on/off, hose reel in/out, hose reel speed, vacuum relief on/off and emergency disengagement e-stop shall be provided.

Comply (Yes) (No) _____ Will Supply _____

Debris Body

1. Body shall have a rear door that is hinged at the top and is equipped with a replaceable neoprene type seal. Adjustable for periodic compensation of door seal wear.

Comply (Yes) (No) _____ Will Supply Self-adjusting wedge locks

2. Body shall be dumped by raising the body to a 45-degree angle utilizing a forward mounted, double acting hydraulic dump cylinder.

Comply (Yes) (No) _____ Will Supply _____

Debris Tank Dual Flush Out System

1. A system of nozzles shall be installed in the debris tank in a manner so as not to become buried in the debris. These nozzles will completely flush out the debris and scour the top, sides and bottom of the debris tank and rear door. An electric over hydraulic 3-way control valve will switch water flow from one set of nozzles to the other as needed.

Comply (Yes) (No) _____ Will Supply _____

2. The system shall include a minimum of two high-pressure nozzles. Each nozzle shall have a minimum of 20 orifices at various angles to ensure proper coverage. Each nozzle shall be suspended from the top of the debris tank by a flexible, heavy duty wire reinforced rubber hose. These rubber hoses shall eliminate the normal corrosion problems commonly associated with steel pipe within a debris tank. A second set of two (2) floor mounted nozzles shall be installed to scour the bottom of the debris tank as well as the rear door strainer screen.

Comply (Yes) (No) _____ Will Supply _____

Hose Reel Assembly

1. The reel capacity shall be a minimum of 800 feet of 1" I.D. thermoplastic sewer hose.

Comply (Yes) (No) _____ Will Supply _____

2. The unit shall come equipped with 600' of 1" x 2500 PSI sewer hose and a 20' x 1" wire braided rubber leader hose.

Comply (Yes) (No) _____ Will Supply _____

3. A heavy duty automatic hose level wind shall be included to assist the operator in placing the hose evenly on the hose reel. The hose guide shall allow insertion or removal of sewer hose if necessary.

Comply (Yes) (No) _____ Will Supply _____

4. Optional Equipment: An air cylinder actuated pinch-roller shall exert downward pressure across full width of reel to retain hose on reel when encountering nozzle blockages.

Comply (Yes) _____ (No) Will Supply Not required with triplex water pump

Operating Station and Controls

1. There shall be a hose reel joystick to control the pay in and pay out of the hose reel, this joystick shall offer speed control that increases the further the joystick is moved in either direction. There shall be an additional hose reel speed dial for setting specific speed ranges of the reel. There shall be a boom joystick that controls all function of the boom including up/down, left/right, and extend/retract. There shall be an E-stop button to bring the machine to safe operating condition.

Comply (Yes) (No) _____ Will Supply _____

In Cab Controls

1. All back-up camera features shall be displayed on the In Cab Control screen. Rear back-up color camera with 130 degree viewing angle shall be provided. Rear camera shall be equipped with automatic activation when vehicle is shifted into reverse.

Comply (Yes) (No) _____ Will Supply Full time operation

2. All work lights shall be able to be activated or deactivated in cab with on screen controls.

Comply (Yes) (No) _____ Will Supply _____

3. A manhole placement camera shall be installed on the hose reel frame to aide in placement of the hose reel and boom for quicker operator setups. It shall display on the in-cab control screen.

Comply (Yes) (No) _____ Will Supply _____

Miscellaneous Tools, Accessories, Storage

1. Two (2) locking, aluminum toolboxes located one on each side shall be provided. In addition, aluminum tool trays, one on each side of the debris body shall be supplied.

Comply (Yes) (No) _____ Will Supply _____

2. Tube storage racks shall be provided to accommodate six (6) 8" diameter vacuum tubes. Tube storage racks requiring lifting above waist level will be considered unsafe and unacceptable.

Comply (Yes) (No) _____ Will Supply _____

3. 15-degree penetrator nozzle shall be provided.

Comply (Yes) (No) _____ Will Supply 15 & 30 degree nozzles included

4. To simplify routine maintenance, a central remote lubrication manifold shall be installed at ground level to cover all grease points throughout the body and boom assemblies.

Comply (Yes) (No) _____ Will Supply _____

Standard Items to be Included

Quantity	Description	Comply (Yes)	Comply (No)	Will Supply
1	15 Degree Nozzle (65 GPM)	X		
1	1" x 12" Nozzle Extension	X		
1	8" x 6' Intake Tube	X		
1	8" x 6' Extension Tube	X		
1	Back-Up Alarm	X		
3	8" x 5' Extension Tube	X		
1	8" x 4' Extension Tube	X		
1	20' Leader Hose	X		
1	Low Water Warning Light & Alarm	X		
1	Electronic Hose Footage Counter	X		
1	Traffic Cone Holder and Cones	X		
1	Warning Light & Alarm if Boom is Not Secured	X		
1	Handgun with 35' x 1/2" Hose	X		
1	Tube Connector Tool		X	Not required with flat flange tubes
1	Hydrant Wrench	X		
1	25' Fill Hose	X		
1	Manhole Lid Hook	X		
1	3-Nozzle Storage Rack	X		
1	Fill Hose Storage Basket	X		
2	Tiger-Tail Hose Protector with Rope	X		
2	Sets Owners, Parts & Maintenance Manuals	X		

Lighting

1. The body shall include two stop and turn tail-lights, two backup lights, a license plate light and all DOT required clearance lights and reflectors. All lights are to be LED. A back-up alarm shall be installed.

Comply (Yes) (No) _____ Will Supply _____

2. Amber LED strobe lights shall be installed, two on the top front of the unit, two side strobes and two strobes on the top rear of the unit, one on each side. In addition, an LED directional arrow board shall be installed on the rear of the unit.

Comply (Yes) (No) _____ Will Supply _____

3. A wireless re-chargeable hand-held spotlight with charging station shall be supplied to aid in viewing deep manholes.

Comply (Yes) (No) _____ Will Supply _____

4. Dual boom mounted work lights shall be installed for nighttime work. In addition, six flood lights shall be installed around the unit, two at the rear, one on the hose reel, one on each side of truck body and one at the side of dump station.

Comply (Yes) (No) _____ Will Supply _____

Warranty – Bidder must indicate the standard warranty coverage for the basic unit, water tanks, debris tank, water pump, PTO and PD blower. A copy of the manufacturer's warranty documents must be included.

Comply (Yes) (No) _____ Will Supply _____

2021 Truck Chassis Basic Minimum Specifications

The following are the minimum basic truck chassis specifications. A detailed chassis specification must be included with bid that includes a turning radius and wall to wall turning diameter diagram.

- 2020 IH HV607 SBA Conventional Cab Tandem Axle

Comply (Yes) (No) _____ Will Supply 2022 Model

- Wheelbase (W.B.) = 266 Inches

Comply (Yes) (No) _____ Will Supply _____

- G.V.W.R. Front = 20,000 Lbs

Comply (Yes) (No) _____ Will Supply _____

- G.V.W.R. Rear = 46,000 Lbs

Comply (Yes) (No) _____ Will Supply _____

- G.A.W.R.R. = 66,000 Lbs

Comply (Yes) (No) _____ Will Supply _____

- Cab to Axle (CA) = 198.90 Inches

Comply (Yes) (No) _____ Will Supply _____

- Chassis Turning Radius = 40'11"

Comply (Yes) (No) _____ Will Supply _____

- Chassis Wall to Wall Turning Diameter = 86'2"

Comply (Yes) (No) _____ Will Supply _____

- Minimum 370 H.P. Diesel Engine (Equal or equivalent to Cummins)

Comply (Yes) (No) _____ Will Supply _____

- Minimum 3000 RDS Automatic Transmission (Equal or equivalent to Allison)

Comply (Yes) (No) _____ Will Supply _____

Signed Mark Redd Printed Mark Redd
Company Mid South Septic Services, LLC Title Sales Manager
Address 11284 Gulfstream Rd. Arlington, TN 38002
Phone 901-616-7009 Email mark@midsouthseptic.com

Required..... Please mark (Yes) _____ or (No)

I will require technical assistance during the reverse auction process for the submission of my bid. This will require me to either contact PH Bidding Group at 662-407-0193 or cory@phbidding.com at least one day prior to the reverse auction date, or be at the Tupelo City Hall, Purchasing Department, no less than 30 minutes prior to the beginning of the reverse auction process.

Prepared For:
CITY OF TUPELO
Tommy Monts
P. O. Box 1485
Tupelo, MS 38802-
(662)841 - 6491
Reference ID: Mid South Septi

Presented By:
SUMMIT TRUCK GROUP
Bruce Underwood
1007 INTERNATIONAL DR.
TUPELO MS 388045814
662-842-3401

Thank you for the opportunity to provide you with the following quotation on a new International truck. I am sure the following detailed specification will meet your operational requirements, and I look forward to serving your business needs.

Model Profile
2022 HV607 SBA (HV607)

AXLE CONFIG: 6X4
APPLICATION: Sewer Vac
MISSION: Requested GVWR: 64000. Calc. GVWR: 66000
 Calc. Start / Grade Ability: 19.14% / 2.25% @ 55 MPH
 Calc. Geared Speed: 68.7 MPH

DIMENSION: Wheelbase: 266.00, CA: 198.90, Axle to Frame: 63.00
ENGINE, DIESEL: {Cummins L9 370} EPA 2021, 370HP @ 2100 RPM, 1250 lb-ft Torque @ 1200 RPM, 2100 RPM Governed Speed, 370 Peak HP (Max)

TRANSMISSION, AUTOMATIC: {Allison 3000 RDS} 5th Generation Controls, Close 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-20-133A} Wide Track, I-Beam Type, 20,000-lb Capacity
AXLE, REAR, TANDEM: {Meritor RT-46-160P} Single Reduction, 46,000-lb Capacity, with Lube Oil Pump, 200 Wheel Ends Gear Ratio: 5.63

CAB: Conventional, Day Cab
TIRE, FRONT: (2) 425/65R22.5 Load Range L HAC 3 (CONTINENTAL), 465 rev/mile, 68 MPH, All-Position
TIRE, REAR: (8) 11R22.5 Load Range G AH37 (HANKOOK), 501 rev/mile, 75 MPH, All-Position
SUSPENSION, REAR, TANDEM: {Hendrickson HMX EX 460} Walking Beam, 46,000-lb Capacity, 54" Axle Spacing, Rubber Springs, with Transverse Torque Rods, Rubber End Bushings

FRAME REINFORCEMENT: Full Outer C-Channel, Heat Treated Alloy Steel (120,000 PSI Yield), 10.813" x 3.892" x 0.312" (274.6mm x 98.8mm x 7.9mm), 480.0" (12192mm) OAL

PAINT: Cab schematic 100WL
 Location 1: 9219, Winter White (Std)
 Chassis schematic N/A

<u>Code</u>	<u>Description</u>
HV60700	Base Chassis, Model HV607 SBA with 266.00 Wheelbase, 198.90 CA, and 63.00 Axle to Frame.
1570	TOW HOOK, FRONT (2) Frame Mounted
1AND	AXLE CONFIGURATION {Navistar} 6x4
	<u>Notes</u> : Pricing may change if axle configuration is changed.
1CBU	FRAME RAILS Heat Treated Alloy Steel (120,000 PSI Yield); 10.125" x 3.580" x 0.312" (257.2mm x 90.9mm x 8.0mm); 480.0" (12192) Maximum OAL
1GBP	FRAME REINFORCEMENT Full Outer C-Channel, Heat Treated Alloy Steel (120,000 PSI Yield), 10.813" x 3.892" x 0.312" (274.6mm x 98.8mm x 7.9mm), 480.0" (12192mm) OAL
1LEH	LICENSE PLATE HOLDER Single Plate, Swing Type, Mounted Below Front Bumper
1LLA	BUMPER, FRONT Swept Back, Steel, Heavy Duty
1WGZ	WHEELBASE RANGE 264" (670cm) Through and Including 311" (790cm)
2ARY	AXLE, FRONT NON-DRIVING {Meritor MFS-20-133A} Wide Track, I-Beam Type, 20,000-lb Capacity
3AHL	SUSPENSION, FRONT, SPRING Parabolic Taper Leaf, Shackle Type, 22,000-lb Capacity, Steel Springs 20K Capacity and (2) Rubber Auxiliary Springs 2K Capacity, with Shock Absorbers
4091	BRAKE SYSTEM, AIR Dual System for Straight Truck Applications
	<u>Includes</u> : 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
4732	DRAIN VALVE {Berg} with Pull Chain, for Air Tank
4AZA	AIR BRAKE ABS {Bendix AntiLock Brake System} 4-Channel (4 Sensor/4 Modulator) Full Vehicle Wheel Control System
4EBD	AIR DRYER {Wabco System Saver 1200} with Heater
4EXU	BRAKE CHAMBERS, REAR AXLE {Bendix EverSure} 30/30 Sqli Spring Brake
4EXV	BRAKE CHAMBERS, FRONT AXLE {Bendix} 24 Sqli
4LAG	SLACK ADJUSTERS, FRONT {Gunite} Automatic
4LGG	SLACK ADJUSTERS, REAR {Gunite} Automatic
4SPA	AIR COMPRESSOR {Cummins} 18.7 CFM
4VKC	AIR DRYER LOCATION Mounted Inside Left Rail, Back of Cab
4WBX	DUST SHIELDS, FRONT BRAKE for Air Cam Brakes
4WDM	DUST SHIELDS, REAR BRAKE for Air Cam Brakes
4WZJ	AIR TANK LOCATION (2) : One Mounted Under Each Rail, Front of Rear Suspension, Parallel to Rail
4XDR	BRAKES, REAR {Meritor 16.5X7 Q-PLUS CAST} Air S-Cam Type, Cast Spider, Fabricated Shoe, Double Anchor Pin, Size 16.5" X 7", 23,000-lb Capacity per Axle
4XDT	BRAKES, FRONT {Meritor 16.5X6 Q-PLUS CAST} Air S-Cam Type, Cast Spider, Fabricated Shoe, Double Anchor Pin, Size 16.5" X 6", 20,000-lb Capacity

<u>Code</u>	<u>Description</u>
4XEE	PARK BRAKE CHAMBERS, ADDITIONAL (2) Spring Brake Type
5708	STEERING COLUMN Tilting
5CAW	STEERING WHEEL 4-Spoke; 18" Dia., Black
5PTB	STEERING GEAR (2) {Sheppard M100/M80} Dual Power
6DGT	DRIVELINE SYSTEM {Dana Spicer} SPL170 Main Driveline with SPL170 Interaxle Shaft, for 6x4
7BEV	AFTERTREATMENT COVER Steel, Black
7BLW	EXHAUST SYSTEM Horizontal Aftertreatment System, Frame Mounted Right Side Under Cab, for Single Vertical Tail Pipe, Frame Mounted Right Side Back of Cab
7WAZ	TAIL PIPE (1) Turnback Type
7WCR	EXHAUST HEIGHT 10' 11"
7WDN	MUFFLER/TAIL PIPE GUARD (1) Aluminum
8000	ELECTRICAL SYSTEM 12-Volt, Standard Equipment
	<u>Includes</u>
	: 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
	: 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
8518	CIGAR LIGHTER Includes Ash Cup
8541	HORN, ELECTRIC (2) Disc Style
8GXD	ALTERNATOR {Leece-Neville AVI160P2013} Brush Type, 12 Volt, 160 Amp Capacity, Pad Mount, with Remote Sense
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
8MSG	BATTERY SYSTEM {Fleetrite} Maintenance-Free, (3) 12-Volt 1980CCA Total, Top Threaded Stud
8RGA	2-WAY RADIO Wiring Effects; Wiring with 20 Amp Fuse Protection, Includes Ignition Wire with 5 Amp Fuse, Wire Ends Heat Shrink and Routed to Center of Header Console in Cab
8RMV	SPEAKERS (2) 6.5" Dual Cone Mounted in Doors
8RPT	RADIO AM/FM/WB/Clock/USB Input/Auxiliary Input
8THB	BACK-UP ALARM Electric, 102 dBA
8TPR	STOP, TURN, TAIL & B/U LIGHTS {Weldon} Multi-Function LED Lamp, Mounted Outside Rails, Includes LED License Plate Light
8WGD	SOLENOID, AIR for Customer Use; Provides (4) Normally Closed Pilot Air Source, Approx. 4 CFM, Includes Latched Switch in Cab; Air Available Only with Key in "Ignition" or "Accessory" Position; Air Will Exhaust with Key in "Off" Position

<u>Code</u>	<u>Description</u>
8WGL	WINDSHIELD WIPER SPD CONTROL Force Wipers to Slowest Intermittent Speed When Park Brake Set and Wipers Left on for a Predetermined Time
8WPH	CLEARANCE/MARKER LIGHTS (5) {Truck Lite} Amber LED Lights, Flush Mounted on Cab or Sunshade
8WPZ	TEST EXTERIOR LIGHTS Pre-Trip Inspection will Cycle all Exterior Lamps Except Back-up Lights
8WRB	HEADLIGHTS ON W/WIPERS Headlights Will Automatically Turn on if Windshield Wipers are turned on
8WWJ	INDICATOR, LOW COOLANT LEVEL with Audible Alarm
8WXB	HEADLIGHT WARNING BUZZER Sounds When Head Light Switch is on and Ignition Switch is in "Off" Position
8WXG	STARTING MOTOR {Mitsubishi Electric Automotive America 105P} 12-Volt, with Soft-Start
8XAH	CIRCUIT BREAKERS Manual-Reset (Main Panel) SAE Type III with Trip Indicators, Replaces All Fuses
8XDU	BATTERY BOX Steel, with Aluminum Cover, 14" Wide, 2-3 Battery Capacity, Mounted Left Side Under Cab
8XGT	TURN SIGNALS, FRONT Includes LED Side Turn Lights Mounted on Fender
8XHC	ALARM, PARKING BRAKE Electric Horn Sounds in Repetitive Manner when Vehicle Park Brake is "NOT" Set, with Ignition "ON" or "OFF" and any Door Opened
8XHD	BATTERY DISCONNECT SWITCH 300 Amp, Disconnects Charging Circuits, Locks with Padlock, Cab Mounted
8XHN	HORN, AIR Single Trumpet, Black, with Lanyard Pull Cord
8XKZ	USB PORT (2) Located in the Instrument Panel
9585	FENDER EXTENSIONS Rubber
9AAB	LOGOS EXTERIOR Model Badges
9AAE	LOGOS EXTERIOR, ENGINE Badges
9HBM	GRILLE Stationary, Chrome
9WAC	BUG SCREEN Mounted Behind Grille
9WBC	FRONT END Tilting, Fiberglass, with Three Piece Construction, for WorkStar/HV
10060	PAINT SCHEMATIC, PT-1 Single Color, Design 100 <u>Includes</u> : PAINT SCHEMATIC ID LETTERS "WL"
10761	PAINT TYPE Base Coat/Clear Coat, 1-2 Tone
10WCY	SAFETY TRIANGLES
10WWP	MUD FLAPS, FRONT WHEELS (2) Rubber, Mounted on Fender Extension, for Tire Size 425/445
10XAN	FIRE EXTINGUISHER 5 lb Class A B C
10XAP	FIRE EXTINGUISHER BRACKET Mounted Left Side Driver Seat
11001	CLUTCH Omit Item (Clutch & Control)
12703	ANTI-FREEZE Red, Extended Life Coolant; To -40 Degrees F/ -40 Degrees C, Freeze Protection
12849	BLOCK HEATER, ENGINE 120V/1000W, for Cummins ISB/B6.7/ISL/L9 Engines <u>Includes</u> : BLOCK HEATER SOCKET Receptacle Type; Mounted below Drivers Door
12ESR	ENGINE, DIESEL {Cummins L9 370} EPA 2021, 370HP @ 2100 RPM, 1250 lb-ft Torque @ 1200 RPM, 2100 RPM Governed Speed, 370 Peak HP (Max)

<u>Code</u>	<u>Description</u>
12THT	FAN DRIVE {Horton Drivemaster} Two-Speed Type, Direct Drive, with Residual Torque Device for Disengaged Fan Speed <u>Includes</u> : FAN Nylon
12UWY	RADIATOR Aluminum, Cross Flow, Front to Back System, 1228 SqIn, with 1167 SqIn Charge Air Cooler <u>Includes</u> : DEAERATION SYSTEM with Surge Tank : HOSE CLAMPS, RADIATOR HOSES Gates Shrink Band Type; Thermoplastic Coolant Hose Clamps : RADIATOR HOSES Premium, Rubber
12VBC	AIR CLEANER Single Element
12VHR	FEDERAL EMISSIONS {Cummins L9} EPA, OBD and GHG Certified for Calendar Year 2021
12VXU	THROTTLE, HAND CONTROL Engine Speed Control for PTO; Electronic, Stationary Pre-Set, Two Speed Settings; Mounted on Steering Wheel
12WZE	EMISSION COMPLIANCE Federal, Does Not Comply with California Clean Air Idle Regulations
12XBM	ENGINE CONTROL, REMOTE MOUNTED Provision for; Includes Wiring for Body Builder Installation of PTO Controls and Starter Lockout, with Ignition Switch Control, for Cummins B6.7 and L9 Engines
13AVR	TRANSMISSION, AUTOMATIC {Allison 3000 RDS} 5th Generation Controls, Close 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
13WAW	OIL COOLER, AUTO TRANSMISSION {Modine} Water to Oil Type
13WET	TRANSMISSION SHIFT CONTROL Column Mounted Stalk Shifter, Not for Use with Allison 1000 & 2000 Series Transmission
13WLP	TRANSMISSION OIL Synthetic; 29 thru 42 Pints
13WUH	ALLISON SPARE INPUT/OUTPUT for Rugged Duty Series (RDS), Airport Refueler, Sewer Evac, Package Number 150
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
13WYU	SHIFT CONTROL PARAMETERS {Allison} 3000 or 4000 Series Transmissions, Performance Programming
13XAA	PTO CONTROL, DASH MOUNTED For Customer Provided PTO; Includes Switch, Electric/Air Solenoid, Piping and Wiring
13XAL	PTO LOCATION Customer Intends to Install PTO at Left Side of Transmission
14GRR	AXLE, REAR, TANDEM {Meritor RT-46-160P} Single Reduction, 46,000-lb Capacity, with Lube Oil Pump, 200 Wheel Ends . Gear Ratio: 5.63
14UMX	SUSPENSION, REAR, TANDEM {Hendrickson HMX EX 460} Walking Beam, 46,000-lb Capacity, 54" Axle Spacing, Rubber Springs, with Transverse Torque Rods, Rubber End Bushings
14WBV	SHOCK ABSORBERS, REAR (4) for Hendrickson HMX Suspension Only, Mounted from Frame to Beam
14WCR	TRANSVERSE TORQUE RODS {Hendrickson} TRAAX Rod, Transverse Only
14WMK	AXLE, REAR, LUBE {EmGard FE-75W-90} Synthetic Oil; 65 thru 89.99 Pints
15LNR	FUEL/WATER SEPARATOR {Racor 400 Series} with Primer Pump, Includes Water-in-Fuel Sensor, Mounted on Engine
15SXJ	FUEL TANK Top Draw, Non-Polished Aluminum, 24" Dia, 50 US Gal (189L), Mounted Left Side, Under Cab
15WCN	DEF TANK 5 US Gal (19L) Capacity, Frame Mounted Outside Left Rail, Under Cab

<u>Code</u>	<u>Description</u>
15WCS	FUEL COOLER Less Thermostat; Mounted in Front of Cooling Module
16030	CAB Conventional, Day Cab
16BAM	AIR CONDITIONER with Integral Heater and Defroster
16GDG	GAUGE CLUSTER Premium Level; English with English Speedometer and Tachometer, for Air Brake Chassis, Includes Engine Coolant Temperature, Primary and Secondary Air Pressure, Fuel and DEF Gauges, Oil Pressure Gauge, Includes 5 Inch LCD Color Display
16HGH	GAUGE, OIL TEMP, AUTO TRANS for Allison Transmission
16HKT	IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster
16JNT	SEAT, DRIVER {National 2000} Air Suspension, High Back with Integral Headrest, Vinyl, Isolator, 1 Chamber Lumbar, with 2 Position Front Cushion Adjust, -3 to +14 Degree Angle Back Adjust
16RPV	SEAT, PASSENGER {National 2000} Air Suspension, High Back with Integral Headrest, Vinyl, Isolated, 1 Chamber Lumbar, 2 Position Front Cushion Adjustment, -3 to +14 Degree Back Adjust
16SDH	MIRROR, CONVEX, HOOD MOUNTED {Lang Mekra} (1) Right Side, Black, 7.5" Sq.
16SNL	MIRRORS (2) C-Loop, Black Heads and Arms, 7.5" x 14" Flat Glass, Includes 7.5" x 7" Convex Mirrors, for 102" Load Width
	<u>Notes</u>
	: Mirror Dimensions are Rounded to the Nearest 0.5"
16SNW	MIRROR, CONVEX, LOOK DOWN Right Side, Black, 6" x 10.5"
16VKB	CAB INTERIOR TRIM Classic, for Day Cab
	<u>Includes</u>
	: 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
16WBY	ARM REST, RIGHT, DRIVER SEAT
16WBZ	ARM REST, LEFT, PASSENGER SEAT
16WEE	CAB SOUND INSULATION Includes Dash Insulator and Engine Cover Insulator
16WJU	WINDOW, POWER (2) and Power Door Locks, Left and Right Doors, Includes Express Down Feature
16WLS	FRESH AIR FILTER Attached to Air Intake Cover on Cowl Tray in Front of Windshield Under Hood
16WSK	CAB REAR SUSPENSION Air Bag Type
16XJN	INSTRUMENT PANEL Flat Panel
16ZBT	ACCESS, CAB Steel, Driver & Passenger Sides, Two Steps per Door, for use with Day Cab and Extended Cab
27DUN	WHEELS, FRONT {Accuride 29807} DISC; 22.5x12.25 Rims, Powder Coat Steel, 5-Hand Hole, 10-Stud, 285.75mm BC, Hub-Piloted, Flanged Nut, with Steel Hubs, Offset 5.37"
28DUW	WHEELS, REAR {Accuride 51408} DUAL DISC; 22.5x8.25 Rims, Powder Coat Steel, 2-Hand Hole, 10-Stud, 285.75mm BC, Hub-Piloted, Flanged Nut, with Steel Hubs
60AAH	BDY INTG, REMOTE POWER MODULE (2) Mounted Inside Cab Behind Driver Seat, Up to 6 Outputs & 6 Inputs Each, Max 20 amp per Channel, Max 80 amp Total; Includes 2 Switch Packs with Latched Switches
60ABN	BDY INTG, RPM I/O HARNESS Includes Two Harnesses with Six Input Blunt Cut Wires and Six Output Blunt Cut Wires, for use with Two RPM

<u>Code</u>	<u>Description</u>
7372135809	(8) TIRE, REAR 11R22.5 Load Range G AH37 (HANKOOK), 501 rev/mile, 75 MPH, All-Position
7752665441	(2) TIRE, FRONT 425/65R22.5 Load Range L HAC 3 (CONTINENTAL), 465 rev/mile, 68 MPH, All-Position
Services Section:	
40128	WARRANTY Standard for HV507, HV50B, HV607 Models, Effective with Vehicles Built July 1, 2017 or Later, CTS-2025A

Please feel free to contact me regarding these specifications should your interests or needs change. I am confident you will be pleased with the quality and service of an International vehicle.

Approved by Seller:

Accepted by Purchaser:

Official Title and Date

Firm or Business Name

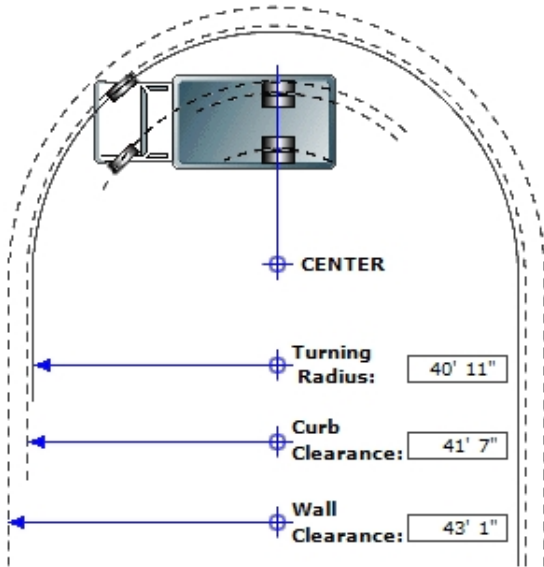
Authorized Signature

Authorized Signature and Date

SUMMIT TRUCK GROUP
1007 INTERNATIONAL DR.
TUPELO MS 388045814
662-842-3401

**This proposal is not binding upon the seller without
Seller's Authorized Signature**

Official Title and Date



Series: HV
 Model: HV607
 Description: HV607 SBA
 Model Year: 2022

Calculation Factors

Wheelbase: 266
 Front Axle: 0002ARY
 Description: AXLE, FRONT NON-DRIVING, {Meritor MFS-20-133A} Wide Track, I-Beam Type, 20,000-lb Capacity
 Front Wheel: 0027DUN
 Description: WHEELS, FRONT, {Accuride 29807} DISC; 22.5x12.25 Rims, Powder Coat Steel, 5-Hand Hole, 10-Stud, 285.75mm BC, Hub-Piloted, Flanged Nut, with Steel Hubs, Offset 5.37"
 Front Tire: 07752665441
 Description: TIRES, 425/65R22.5 Load Range L HAC 3 (CONTINENTAL), 465 rev/mile, 68 MPH, All-Position
 Steering Gear: 0005PTB
 Description: STEERING GEAR, (2) {Sheppard M100/M80} Dual Power

Turning Radius Statistics

General Information

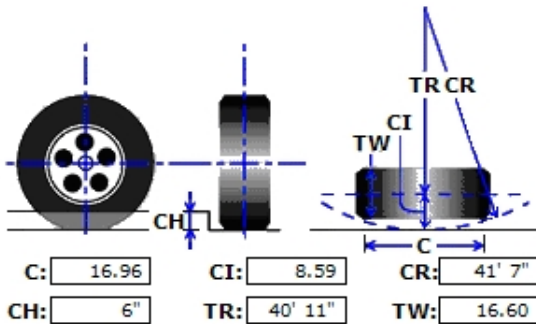
Inside Turn Angle: 39 Degrees
 Radial Overhang: 26

Axle Information

KingPin Inclination: 6.25 Degrees
 KingPin Center: 71

Turning Radius - Curb View

C - Curb Contact Length: 16.96
 CI - Curb Clearance Increment: 8.59
 CR - Curb Clearance Radius: 41'7"
 CH - Curb Height: 6"
 TR - Turning Radius: 40'11"
 TW - Tire Width: 16.60



* All Measurements are in inches, unless otherwise specified.

This information is based on engineering information available at this time. Actual figures may vary. Navistar, Inc. cannot accept liability for consequences due to this variance.



Tupelo Bid Specification's Compliance Worksheet

Customer Name Tupelo Water and Light

Dealer

Mid-South Septic Services

Contact Name _____

Contact Name

Mark Redd

Address _____

Address

11284 Gulfstream Rd.
Arlington, TN 38002

333 Court Street
Tupelo, Mississippi 38804

Phone Number _____

Phone Number

(901) 616-7009

E-Mail Address _____

E-Mail Address

mark@midsouthseptic.com

0. BODY

Qty	Item	Description	List Price	Extended List	Net Price	Extended Net
1.00	B10-1450	10 yds. of Debris, 1450 Gallons of Water Rear Reel Combination Unit	Included			

1. VACUUM SYSTEM

Qty	Item	Description	List Price	Extended List	Net Price	Extended Net
1.00	STD-0013	Kevlar Reinforced Poly-Chain Drive System	Included	\$0.00	Included	\$0.00
1.00	STD-0014	Blower Engagement at Operators Station	Included	\$0.00	Included	\$0.00
1.00	STD-0015	Horizontally Mounted Stainless Steel Final Filter	Included	\$0.00	Included	\$0.00
1.00	STD-0016	Vacuum Relief Valves	Included	\$0.00	Included	\$0.00
1.00	STD-0017	Vacuum Gauge at Operators Station	Included	\$0.00	Included	\$0.00
1.00	134000000	ROOTS Model 824 (5197 CFM, 18" Hg)	Included			

1.1. WATER SYSTEM

Qty	Item	Description	List Price	Extended List	Net Price	Extended Net
1.00	STD-0018	Side Hand Gun Connection	Included	\$0.00	Included	\$0.00
1.00	STD-0013	Kevlar Reinforced Poly-Chain Drive System	Included	\$0.00	Included	\$0.00
1.00	STD-0020	Water Pump Air Purge Valve	Included	\$0.00	Included	\$0.00

Qty	Item	Description	List Price	Extended List	Net Price	Extended Net
1.00	STD-0021	Pressure Relief Valve Shall be Installed to Protect the Pump	Included	\$0.00	Included	\$0.00
1.00	A384024-80	80 GPM @ 2000 PSI Water System	Included	\$0.00	Included	\$0.00
1.00	A215555-23	Unloader Control System Side & Rear	Included			
1.00	A239902	Water Purge/Blow Out System	Included			

1.2. DEBRIS TANK

Qty	Item	Description	List Price	Extended List	Net Price	Extended Net
1.00	STD-0119	10 yd Debris Tank Capacity (LIFETIME WARRANTY)	Included	\$0.00	Included	\$0.00
1.00	STD-0023	56,000 lb. Double-Acting Dump Hoist	Included	\$0.00	Included	\$0.00
1.00	STD-0024	Top Hinged Hydraulic Open/Close Rear Door	Included	\$0.00	Included	\$0.00
1.00	STD-0025	4 - Individual Hydraulic Cylinder Door Locks	Included	\$0.00	Included	\$0.00
1.00	STD-0026	2 - Debris Level Sight Eyes Located in Rear Door	Included	\$0.00	Included	\$0.00
1.00	STD-0027	Stainless Steel Ball Check Valve with Air Deflector Screen	Included	\$0.00	Included	\$0.00
1.00	STD-0028	Rear Door Splash Shield	Included	\$0.00	Included	\$0.00
1.00	STD-0029	Rear Door Safety Prop	Included	\$0.00	Included	\$0.00
1.00	STD-0030	6" Rear Drain Valve in Rear Door with 15' x 6" Lay-Flat Hose	Included	\$0.00	Included	\$0.00
1.00	STD-0031	Rear Tow Hooks	Included	\$0.00	Included	\$0.00
1.00	A000401	Tank Top Nonskid Coating	Included	\$0.00	Included	\$0.00
1.00	STD-0033	Stainless Steel Fenders	Included	\$0.00	Included	\$0.00
1.00	300003522	Tank Top Access Ladder	Included	\$0.00	Included	\$0.00
1.00	A338837-1	Dual Floor Flushers & Tank Flush	Included			
1.00	A381531-1	Remote Lubrication Manifold	Included			
1.00	A383990-2	Removable Decant Hose with Disconnect & Cap	Included	\$0.00	Included	\$0.00

1.3. WATER TANKS

Qty	Item	Description	List Price	Extended List	Net Price	Extended Net
1.00	STD-0038	Heavy Duty Water Fill with Anti-Siphon Air Gap & 2" Y-Strainer	Included	\$0.00	Included	\$0.00
1.00	STD-0074	3" Y-strainer at Water Pump with Drain	Included	\$0.00	Included	\$0.00
1.00	STD-0075	Fill Hose Storage Basket	Included	\$0.00	Included	\$0.00
1.00	STD-0081	3/8" Thick Polyethylene UV Stabilized Graphite Water Tanks with 1,150 Gallon Capacity (LIFETIME WARRANTY)	Included	\$0.00	Included	\$0.00
1.00	STD-0036	Self-Cleaning Tank Design with 2.5" Quick Opening Drain	Included	\$0.00	Included	\$0.00
1.00	STD-0037	Water Level Sight Gauge	Included	\$0.00	Included	\$0.00

1.4. BOOMS

Qty	Item	Description	List Price	Extended List	Net Price	Extended Net
1.00	STD-0041	Top-Loading Boom Design One Piece HD Rubber Debris Hose	Included	\$0.00	Included	\$0.00
1.00	STD-0042	Slewing Gear Power Rotation with 360 Degree Rotation	Included	\$0.00	Included	\$0.00
1.00	STD-0043	Hydraulic Power Up/Down Rear Boom Storage	Included	\$0.00	Included	\$0.00
1.00	STD-0077	Boom Mounted Internal Air/Vac Valve (Flapper Valve)	Included	\$0.00	Included	\$0.00
1.00	STD-0045	Boom Clean Out Port	Included	\$0.00	Included	\$0.00
1.00	200041011	8" x 23' Flat Flange Extendable Boom	\$0.00	\$0.00	\$0.00	\$0.00

1.5. HOSE REEL

Qty	Item	Description	List Price	Extended List	Net Price	Extended Net
1.00	STD-0046	Hydraulically Articulated 180 Degree Street to Curb Rotation	Included	\$0.00	Included	\$0.00
1.00	STD-0047	Hose Reel Rotation Controlled via Electric/ Hydraulic Control	Included	\$0.00	Included	\$0.00
1.00	STD-0007	20' Leader Hose	Included	\$0.00	Included	\$0.00

Qty	Item	Description	List Price	Extended List	Net Price	Extended Net
1.00	A175252-Cobra	Sewer Hose 1" x 600' 2500 PSI	Included			
1.00	A338664-7	Digital footage counter IntelACount	Included			
1.00	A382703-1	Auto Level Wind	Included			

1.6. STORAGE

Qty	Item	Description	List Price	Extended List	Net Price	Extended Net
1.00	121005547	Step Toolbox	Included	\$0.00	Included	\$0.00
1.00	A180552-1	30"Wx18"Dx18"H Tool Box	Included			
1.00	A180757-S	48"Wx24"Dx24"H Tool Box with Shelf	Included			
1.00	A384668-3	Second Tiger Tail Holder Under Rear Splash Plate Bumper	Included			
1.00	A385801	Aluminum Tool Trays on Both Side of Water Tanks	Included			
1.00	A306021	Vertical 2, 8" Tube Holder on Tool Box	Included			

1.7. CONTROLS

Qty	Item	Description	List Price	Extended List	Net Price	Extended Net
1.00	STD-0050	Wireless Remote with LCD Display	Included	\$0.00	Included	\$0.00
1.00	STD-0051	6 Position Joystick Boom Control Mounted at Control Station	Included	\$0.00	Included	\$0.00
1.00	STD-0052	Chassis Tachometer	Included	\$0.00	Included	\$0.00
1.00	STD-0053	Vacuum Gauge	Included	\$0.00	Included	\$0.00
1.00	STD-0054	Hose Reel Speed Control	Included	\$0.00	Included	\$0.00
1.00	STD-0055	Water Pressure Gauge	Included	\$0.00	Included	\$0.00
1.00	STD-0056	Electronic Engine Throttle Control	Included	\$0.00	Included	\$0.00
1.00	STD-0057	Boom Up Warning Light & Alarm	Included	\$0.00	Included	\$0.00
1.00	STD-0058	Low Water Warning Light & Alarm	Included	\$0.00	Included	\$0.00
1.00	STD-0059	12 Volt Electrical Outlet at Panel	Included	\$0.00	Included	\$0.00

Qty	Item	Description	List Price	Extended List	Net Price	Extended Net
1.00	STD-0060	PTO Hour Meter	\$0.00	\$0.00	\$0.00	\$0.00
1.00	STD-0061	Back Up Alarm	Included	\$0.00	Included	\$0.00
1.00	A000372	Blower Hour Meter	Included			
1.00	A120051	Water Pump Hour Meter	Included			
1.00	A382557-6	Dual Camera Split Monitor Reversing System	Included			
1.00	121002734	Additional Hand Held Wireless Remote	Included			

1.8. LIGHTING

Qty	Item	Description	List Price	Extended List	Net Price	Extended Net
1.00	STD-0062	Boom Clearance Lights	Included	\$0.00	Included	\$0.00
1.00	STD-0063	LED Style DOT Lighting	Included	\$0.00	Included	\$0.00
1.00	A120101-LED	Control Panel Lights	Included	\$0.00	Included	\$0.00
1.00	A388569	Lighting Package (2 - Linear Body Strobes, 4 - Debris Tank Strobes, 6 - Flood Lights, 1- Arrow Board, 1 - Hand Held Spot Light)	Included			

1.9. MISCELLANEOUS

Qty	Item	Description	List Price	Extended List	Net Price	Extended Net
1.00	PAINT-WHITE	White Paint	Included	\$0.00	Included	\$0.00
1.00	STD-0065	Flexible Hose Guide (Tiger Tail)	Included	\$0.00	Included	\$0.00
0.00	STD-0066	Tube Connector Tool	Included	\$0.00	Included	\$0.00
1.00	A176150	25' x 2 1/2" Hydrant Fill Hose	Included	\$0.00	Included	\$0.00
1.00	A220260-CH-NC	Traffic Cone Holder (NO Cones)	Included			
1.00	A220330	Hydrant Wrench	Included	\$0.00	Included	\$0.00
1.00	A221800	Manhole Removal Cover Hook	Included			
1.00	J-2203	3" Flexible Hose Guide with 20' Rope	Included			

Qty	Item	Description	List Price	Extended List	Net Price	Extended Net
1.00	A237004	Additional Manuals	Included			

2. TUBES

Qty	Item	Description	List Price	Extended List	Net Price	Extended Net
1.00	STD-0067	1 - Intake Tube 6'	Included	\$0.00	Included	\$0.00
1.00	STD-0068	1 - Extension Tube 6'	Included	\$0.00	Included	\$0.00

2.2. FLAT FLANGE TUBES

Qty	Item	Description	List Price	Extended List	Net Price	Extended Net
1.00	A249032-4	Extension Tube 8" x 4' Flat Flange	Included			
2.00	A249032	Extension Tube 8" x 5' Flat Flange	Included			
3.00	A383245	8" Flat Flange J-Bolt Clamp	Included			

2.4. NOZZLES

Qty	Item	Description	List Price	Extended List	Net Price	Extended Net
1.00	STD-0069	1 - 15 Degree Nozzle	Included	\$0.00	Included	\$0.00
1.00	STD-0070	1 - 30 Degree Nozzle	Included	\$0.00	Included	\$0.00
1.00	A130001	Nozzle extension , 1" X 12"	Included			

2.5. STOCK CHASSIS OPTIONS

Qty	Item	Description	List Price	Extended List	Net Price	Extended Net
1.00	STD-0090	Delivery Charge	Included			

AQUATECH®

Combination Jet/Vac System

A PRODUCT OF HI-VAC CORPORATION

LIMITED WARRANTY

Hi-Vac® Corporation (the "Company") hereby warrants to that each new Aquatech® Combination Jet/Vac System (the "Unit") will be free of defects in material and workmanship. This Limited Warranty applies to the original end user and any transferee during the applicable time period, subject to the following terms and conditions:

1. Time Periods:

- The "Standard Warranty Period" is 12 months from date of delivery to the original end user or 2,000 operating hours, whichever occurs first. Any Unit which has been used as a demonstration unit will, upon sale and delivery to the end user, have the same Limited Warranty as provided for herein.
- Special Extended Warranties and Extended Time Periods:
 - (a) Poly-graphite Tanks Warranty: 10 years against any factory defect in material or workmanship and LIFETIME against leakage from corrosion or rust through.
 - (b) Debris Tanks Warranty: 10 years against any factory defect in material and LIFETIME against leaks due to corrosion or rust through.
 - (c) Water Pump Warranty: 5 years against water pump failure and/or factory defect in material or workmanship.
 - (d) Drive System: 5 years against drive system failure and/or any factory defect in material or workmanship. The Drive System warranty is non-transferrable

2. Exclusive Remedy: The exclusive remedy for any covered warranty claims is that Company shall repair or replace, or in lieu thereof may refund the purchase price, at its sole discretion, such defects of such Unit that the Company's examination discloses to be defective in material or factory workmanship, at Company's sole discretion. Any repairs or replacements are to be made at a location approved by Company (i.e. a selling distributor's location or the Company's facility) to assure the Unit performs according to its published specifications.

3. The Following Limitations Apply:

- (a) This Limited Warranty applies only to the original end user during the applicable warranty time periods.
- (b) Only a Unit which has been subjected to normal use and preventative maintenance per original Manufacturer recommendations contained in the Operator's Manual delivered with the Unit is covered by this Limited Warranty.
- (c) This Limited Warranty shall not apply to (and the Company shall not be responsible for) any of the following:
 - items or parts of the Unit that are subject to misuse, negligence, accident or improper maintenance by end user.
 - normal maintenance and service adjustments, including, but not limited to engine valve adjustments, fuel, air and hydraulic system cleaning, engine tune-up, clutch inspection and adjustment, etc.
 - standard consumables and preventative maintenance items or normal wear parts such as, but not limited to: oils, fluids, lubricants, hoses, gaskets, fuses, light bulbs, tires, batteries, belts, etc.
 - operation of the Unit in a manner or for a purpose not specifically recommended in writing by the Company.
 - repairs, modifications or alterations without the express written consent of the Company, which in the Company's sole judgment, have adversely affected the Unit's operation, stability, or functionality as originally designed and manufactured by Company.
- (d) The Unit and supporting equipment may incorporate many component parts manufactured by companies other than Manufacturer; including, but not limited to the following: the truck chassis, engines, compressors, water pump, exhaust/vacuum pump, high pressure water hose, hydraulic pumps, motors and valves, batteries, drive belts, power take-off, axels, tires, electrical components and other specialized equipment. This Limited Warranty does not apply to such component parts or sub-systems. For equipment and components mentioned in this

section, the end user will address warranty service and support direct with the original manufacturer or nearest authorized servicing distributor for such component parts or sub-systems. While this Limited Warranty does not cover component parts and sub-systems manufactured by third parties, Company shall pass-through to end user any warranties (if any) from such component or sub-system manufacturer to the extent permitted and simply as a matter of customer service shall make good faith efforts to provide any relevant information or reasonable assistance to end user/purchaser related to contacting such third party vendors regarding their warranties.

- (e) Any repair or replacement made to replace any defects in material or workmanship of the Unit is warranted solely for the duration of the unexpired Warranty Period. No extension of warranty is made by installation of the new part.
- (f) Company reserves the right to request the return of failed or defective parts or components to Company's factory origin for evaluation subject to Company's return authorization process and procedure.
- (g) Company will not be responsible or liable for defects, losses, damages or failures caused by end user's (or any third party's) unauthorized alternations, use of non-approved parts, unreasonable use, neglect, abuse, accident, negligent repair or failure to perform proper maintenance.
- (h) It is the responsibility of the end user to report warranty claims in a timely manner. Damages resulting from failure to report such claims promptly are not covered under this warranty.
- (i) The term "LIFETIME" means and applies to the original end user only and covers only the original end user's ownership period.

4. No Other Warranties. There are no other warranties made by company with respect to the Units, expressed or implied, other than the limited warranty as set forth above. This limited warranty supersedes any other warranty, promises or representations previously made or issued by company. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO, WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE AND COMPANY HEREBY EXCLUDES ALL SUCH WARRANTIES WHICH MIGHT OTHERWISE BE IMPLIED BY LAW, ALL OF WHICH ARE HEREBY DISCLAIMED. The Company makes no representation that the Unit has the capacity to perform any functions other than as contained in the Company's written literature, specifications or Owner's Manual accompanying delivery of the Unit. No person, affiliated company or distributor of Company's products, is authorized to alter the terms of this warranty, to give any other warranties or to assume any other liability on behalf of the Company in connection with the sale, servicing or repair of any Unit manufactured by the Company.

6. Design Changes/Product Improvements. The Company reserves the right to make design changes or improvements in its products from time to time without any obligation to change or improve any previously manufactured Units.

7. Limitation of Liability. Company's liability for breach of this Limited Warranty, whether a claim or lawsuit is brought in contract, tort, or strict liability, will be limited exclusively to repair or replacement of defects covered by the terms of this Limited Warranty. Company will not be liable for any direct or indirect, incidental, consequential, special or punitive damages of any kind which may result from defects in its Units, products, services, or from breach of this Limited Warranty, nor will Company be liable for any damages resulting from the end user's loss of use of the Unit and/or its supporting equipment.