



TRUCKWORX

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Attn: City of Laurel

November 5, 2018

Dear Lorenzo Anderson:

Pursuant to the Single Axle KnuckleBoom Truck bid opportunity with the City Laurel, Truckworx-Kenworth is proposing the below for your review. Please be advised that lease finance options will be provided after the bid for firm pricing information. Pricing will not be accurate because of the Reverse Auction.

2019 T370 33k GVW	
Engine Cummins	260 HP (9 liter)
Transmission Allison w/PTO	3500 RDS
Front Axle Meritor	12k
Rear Axle Dana Spicer	21k
Cab to Axle for Dump Truck	Completed
Color	White
Tires	11R22.5
Wheels	Steel
Ratio	5.57
Fan hub on/off or Two speed fan hub	Fan hub Horton 2 speed
Cooling Module	1000 square inches
Front Tow Hooks	2
Alternator	160 amp
End of April as of today Delivery Date	
Buy Back and Lease Finance Options will be provided 48 hours after bid is closed	



Thank you for your consideration regarding a Kenworth Truck. Please feel free to contact me if you have any questions. I look forward to providing you with "The World's Best!"


Jay Callaway,
Director of Government Accounts





TRUCKWORX

















































































































































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ABOUT TRUCKWORX



Truckworx provides sales, parts, and service for Kenworth, Hino, and Isuzu commercial trucks, Blue Bird, and Micro Bird buses, and six trailer lines including MAC, Talbert, Pitts, Dragon, Clement, and Fontaine. Truckworx started as Kenworth of Birmingham in 1978 by B.B. and Bob Mitchell and is still family-owned and operated today. The company employs over 350 people with ten facilities throughout Alabama and Mississippi. Truckworx operates full-service dealerships in Birmingham, Huntsville, Dothan, Montgomery, Mobile, and Thomasville, Alabama, as well as Jackson, Mississippi. Additionally, Truckworx owns and operates a heavy-duty body shop and TRP Parts Store in the Birmingham Metro area.

In addition to our high-quality products, our level of service is unmatched! Our highly trained parts staff is knowledgeable on all makes and models, and we stock an extensive inventory of truck and bus parts in each of our ten facilities. We work on all makes and models and are certified to do warranty work on Caterpillar, Cummins, and Paccar engines; Kenworth, Hino, and Isuzu trucks and Blue Bird and Micro Bird buses.

	Birmingham	Dothan	Montgomery	Mobile	Jackson	Huntsville	Thomasville
							
							
							
							
Trailers							
Authorized Repair Center							
Authorized Repair Center							
Authorized Repair Center							
VIS Check Machine							
Hunter Alignment Machine							
DeShazo Overhead Cranes							
Express Lube							
DPF Cleaning Machine							
Flywheel Resurfacing							
Preventative Maint. Plans							
All Makes Suspension Work							
Air Conditioner/Heater Repair/Installation							
 Axles and Driveline							
  Power Steering Repairs							
 Automatic							
 Manual							
 Rear End							

**MINIMUM SPECIFICATIONS FOR A HEAVY DUTY TRASH LOADER
(Shuttle Type)**

It is the intent of these specifications to describe a New 2019 model truck mounted, hydraulic operated knuckle boom trash loader. To be used in collection and loading of bulk trash, limbs, leaves, building material of like nature. These specifications are describing and stating the minimum requirements of a truck mounted trash loader to perform this function. Bids with equipment not meeting these minimum capacities and requirements will be subject to rejection.

The apparent silence of this specification and any supplement specification as to any details or the omission from it of a detailed description concerning any point shall be regarded as meaning that only the best commercial practices are to prevail and that only materials of first quality and correct type, size, and design are to be used. All interpretations of the specification shall be made upon the basis of this statement.

All bidders must write in the blanks, YES if meeting or exceeding specifications and NO IF EXCEPTIONS ARE TAKEN. Any exceptions must be explained in detail writing on bidder's own letter head and attached to the bid when submitted. All proposals include delivery, training of operator and service personnel. Bidder must attach copy of complete warranty of unit and components. The City reserves the right to reject any and all bids.

Delivery of bid on New Heavy Duty Trash Loader, to be within 90 days upon receiving the above said truck. The successful bidder will deliver completed unit F.O.B. to City of Laurel with a minimum of one full day training.

BOOM:

YES TOTAL BOOM LENGTH TO BE 20FT. MAIN BOOM TO BE 16FT. WITH A 4FT. TELESCOPING SECTION.

YES MINIMUM LIFT CAPACITY TO BE 3,000 LBS. @ 20 FT. (INCLUDING GRAPPLE)

YES BOOM PEDESTAL TO BE CONSTRUCTED OF HIGH STRENGTH STEEL, PROVIDING A 3:1 SAFETY FACTOR.

YES ALL HYDRAULIC HOSES LOCATED AT THE OPERATOR POSITION (BOOM PEDESTAL) MUST BE ENCLOSED IN THE PEDESTAL BASE. ACCESS PROVIDED BY AN EASILY REMOVABLE STEEL COVER.

YES BOOM PIVOT SHALL BE MOUNTED TO THE PEDESTAL BY MEANS OF A SLEWING RING\BEARING THAT HAS A MINIMUM CAPACITY OF 513,000 LBS. STATIC LOAD AND 186,000 Ft-Lbs. MOMENT. SLEWING RING SHALL BE 3 1/2" THICK AND HAVE AN O.D. OF 25 3/4". BOOM PIVOT SHALL BE CONSTRUCTED WITH A 9" O.D. SAFETY RETAINING TUBE. THE BOOM PIVOT SAFETY RETAINING TUBE SHALL BE A MINIMUM OF 12" LONG AND CONFINE ALL HOSES WHICH PASS THROUGH THE PEDESTAL/BOOM PIVOT ASSEMBLY.

YES BOOM ROTATION OF 360 DEGREES MINIMUM WITH MECHANICAL STOPS FOR SAFETY.

YES BOOM ROTATION SHALL BE ACCOMPLISHED BY A DIRECT HYDRAULIC SWING DRIVE THROUGH A SLEWING (BEARING) RING PRODUCING 250,000 INCH-POUNDS TORQUE.

YES ENTIRE BOOM ASSEMBLY SHALL BE DESIGNED WITH A TENSILE STRENGTH TO PROVIDE A SAFETY FACTOR OF 3 TO 1 AT THE RATED LOAD CAPACITY.

YES MAIN BOOM SHALL BE CONSTRUCTED OF (2) 4"x 8" HIGH STRENGTH STEEL TUBE.

YES TIP BOOM SHALL BE CONSTRUCTED FROM A 5" X 7" HIGH STRENGTH STEEL TUBE.

YES TIP BOOM SHALL HAVE A 4' TELESCOPIC EXTENSION TIP SECTION CONSTRUCTED FROM 4"X 6" HIGH STRENGTH STEEL TUBE.

YES MAIN BOOM SHALL BE EQUIPPED WITH MECHANICAL STOPS TO PROHIBIT HYDRAULIC CYLINDERS FROM BOTTOMING OUT. EXTEND BOOM STOPS MUST BE EASILY ACCESSIBLE AND REMOVABLE FOR SERVICE.

YES BOOM PEDESTAL TO BE MOUNTED DIRECTLY TO THE CHASSIS FRAME RAILS. MOUNTING MUST INCLUDE INSIDE FRAME RAIL SUPPORTS AT THE MOUNTING POINTS.

YES THE ENTIRE BOOM MUST BE SERVICEABLE DOWN TO THE COMPONENT LEVEL, E.G., EVERY HYDRAULIC HOSE, FLUID TUBES, BRACKET, PIN, ETC. HAVING TO REPLACE SUBASSEMBLIES IN ORDER TO REPAIR A COMPONENT WILL NOT BE ACCEPTABLE.

YES TELESCOPIC TIP EXTENSION SHALL BE EQUIPPED WITH REPLACEABLE NYLON BEARINGS ON ALL 3 SIDES WITH ROLLER ON BOTTOM. BEARINGS MUST BE EASILY ACCESSIBLE FOR REPLACEMENT AND HAVE AUTOMATIC "SLACK-HOSE-TAKE-UP."

YES ALL BOOM CONNECTIONS REQUIRING PINS SHALL BE EQUIPPED WITH REPLACEABLE BUSHINGS AND HEAT-TREATED PINS.

YES ALL OPERATING FUNCTIONS SHALL BE CONTROLLED FROM THE OPERATOR STATION MOUNTED ON THE LEFT HAND SIDE OF THE BOOM. THE OPERATOR STATION MUST ROTATE WITH THE BOOM ASSEMBLY AND HAVE A CUSHIONED OPERATOR SEAT WITH ARM REST AND SEAT BELT. A STEP MADE OF SLIP RESISTANT MATERIAL IS REQUIRED FOR EASE OF ACCESS.

YES A TWO STAGE TANDEM PUMP ALLOWS FOR MULTI-FUNCTION CONTROL OF THE LOADER.

YES OPERATOR CONTROLS SHALL BE MECHANICAL " JOYSTICK " TYPE. ALL CONTROLS SHALL BE CLEARLY IDENTIFIED AS TO FUNCTION.

YES SWING CONTROLS SHALL BE MECHANICAL FOOT OPERATED CONTROLS WITH SAFETY COVERS TO PREVENT INADVERTENT ACTIVATION.

YES ELECTRONIC ENGINE SPEED-UP CONTROL IS REQUIRED. CABLE OR AIR ACTUATED WILL NOT BE ACCEPTABLE.

YES LOADER SHALL BE FURNISHED WITH COVERED ENCLOSED CAB PER CITY OF LAUREL SPECIFICATIONS.

TRASH GRAPPLE\BUCKET:

YES BUCKET SHALL HAVE A 360 DEGREE CONTINUOUS ROTATING GRAPPLE WITH A REPLACEABLE HYDRAULIC SWIVEL. SWIVEL SHALL NOT BE WELDED OR BE AN INTEGRAL PART OF THE GRAPPLE.

YES BUCKET IS TO BE OPENED AND CLOSED BY (2) HYDRAULIC CYLINDERS WITH A CLOSING FORCE\BITE" OF 3,600 LBS.

YES BUCKET IS TO BE 4' LONG AND CAPABLE OF OPENING TO 60 INCHES FROM LIP TO LIP.

YES BUCKET SHALL BE FABRICATED WITH A BOLT ON REPLACEABLE H.S.H.C. STEEL CUTTING EDGE.

YES PROVISION SHALL BE MADE TO STORE THE GRAPPLE TO THE FRONT OF THE PEDESTAL BASE WHILE THE UNIT IS BEING TRANSPORTED.

HYDRAULICS:

YES RESERVOIR SHALL BE A MINIMUM OF 45 GALLONS. IT SHALL HAVE A DUAL LEVEL/OIL TEMPERATURE GAUGE ON SIDE OF TANK. AN IN-TANK SUCTION STRAINER IS INCLUDED.

YES FILTER SHALL BE A 10-MICRON, RETURN LINE REPLACEABLE FILTER MOUNTED ON OUTSIDE OF RESERVOIR.

YES MAIN BOOM, TIP BOOM AND OUTRIGGER HYDRAULIC CYLINDERS SHALL CONTAIN PILOT OPERATED CHECK VALVES AS AN INTEGRAL PART OF EACH CYLINDER TO PREVENT BOOM MOVEMENT IN THE EVENT OF HYDRAULIC HOSE FAILURE. BOLT ON PILOT OPERATED CHECK VALVES WILL NOT BE PERMISSIBLE.

YES TWO OPERATOR BALL VALVES, LOCATED AT THE OPERATOR STATION, WILL ALLOW FOR TRAVEL OF THE BOOM IN THE TRAILER. THESE VALVES ALLOW THE MAIN BOOM AND SWING FUNCTIONS "FREE FLOAT". THESE VALVES MUST INCORPORATE SAFETY LATCHES.

YES ALL HOSES SHALL BE RATED AT 4,000-PSI WORKING PRESSURE.

YES PORT TUBING THROUGHOUT THE MAIN AND TIP BOOM SHALL BE STAINLESS STEEL TUBE.

YES CONTROL VALVES SHALL HAVE A 20 GPM RATING.

YES SUCCESSFUL BIDDER MUST PROVIDE A COMPUTER PRINTOUT AT TIME OF DELIVERY SHOWING PARTICLE TESTING OF THE HYDRAULIC OIL DONE JUST PRIOR TO THE UNIT BEING SHIPPED IN ORDER TO ILLUSTRATE TOTALLY UNCONTAMINATED OIL.

POWER SOURCE:

YES UNIT TO BE MOUNTED ON ANY CHASSIS THAT MEETS THE SPECIFICATION PREVIOUSLY STATED, WITH A HEAVY – DUTY "HOT SHIFT" PTO AND A HEAVY – DUTY BI-ROTATIONAL TANDEM HYDRAULIC PUMP.

THROTTLE CONTROL:

YES UNIT TO HAVE AN ELECTRIC OPERATED THROTTLE CONTROL TO MAINTAIN PROPER ENGINE SPEED WHEN LOADER IS OPERATED UNDER LOAD. SWITCH FOR THROTTLE CONTROL TO BE MOUNTED ON OPERATOR'S PLATFORM FOR OPERATOR'S CONVENIENCE.

YES THROTTLE SPEED-UP SHALL OPERATE ONLY WHEN THE TRANSMISSION IN THE NEUTRAL POSITION.

OUTRIGGERS:

YES OUTRIGGERS SHALL BE EXTENDABLE TO A DISTANCE THAT WILL RESIST LOADS OF 85% OF THE TIPPING MOMENT UNDER MAXIMUM RATED LOAD.

YES THE OUTRIGGERS ARE TO BE EQUIPPED WITH SMOOTH PADS TO CAUSE MINIMUM DAMAGE TO CONTACTED SURFACE.

YES OUTRIGGERS SHALL TELESCOPE HORIZONTALLY IN AND OUT; AND VERTICALLY UP AND DOWN, AND OPERATE INDEPENDENTLY BY MEANS OF INDIVIDUAL MECHANICAL LINKAGE CONTROLS. CONTROLS MUST BE LOCATED A DISTINCTIVE DISTANCE FROM THE MAIN BOOM CONTROLS.

YES OUTRIGGER CYLINDERS FOR STABILIZING LOADER SHALL BE MOUNTED INSIDE TELESCOPING LEGS.

YES OUTRIGGERS SHALL RETRACT TO WITHIN THE MAXIMUM HIGHWAY WIDTH AND WILL EXTEND TO A MAXIMUM WIDTH TO RESIST THE DESIGN LOAD MOMENT.

YES OUTRIGGER CYLINDERS SHALL CONTAIN HOLDING VALVES ON EXTEND AND RETRACT FUNCTIONS TO PREVENT OUTRIGGER LEAK DOWN.

LIGHTS AND REFLECTORS:

YES SHALL CONFORM TO CURRENT STATE AND FEDERAL STANDARDS.

PAINT:

YES LOADER SHALL RECEIVE (1) COAT OF HIGH- GRADE PRIMER AND (2) COATS OF HIGH-GRADE ENAMEL PAINT (MANUFACTURER'S STANDARD COLORS).

PINTLE HITCH TRAILER CONNECTION:

YES THE LOADER SHALL HAVE A "PINTLE HITCH CONNECTION" RATED NO LESS THEN 90,000 LBS. FOR SHUTTLE TRAILER ATTACHMENT.

YES HYDRAULIC "QUICK CONNECT/DISCONNECT" FITTINGS SHALL BE PROVIDED AT THE REAR OF THE UNIT FOR HOOK-UP TO THE TRAILER DUMP SYSTEM, AND HYDRAULIC JACKSTAND. CONTROLS FOR THIS FUNCTION SHALL BE LOCATED AT THE REAR OF THE LOADER.

YES PROVISIONS TO BE MADE FOR SELECTOR TO PROVIDE OIL WHEN TRAILER CONNECTED.

YES CUSTOMER MUST PROVIDE MAKE AND MODEL OF QUICK DISCONNECTS TO ENSURE COMPATABILITY TO CUSTOMER'S EXISTING TRAILERS.

WARRANTY:

YES BIDDER MUST PROVIDE ALL WARRANTIES REQUIRED BELOW. FAILURE TO PROVIDE SUCH WARRANTIES MAY RESULT IN YOUR BID BEING DEEMED NON-RESPONSIVE.

YES ENTIRE UNIT TO HAVE A ONE YEAR PARTS AND LABOR WARRANTY, A 3 YEAR WARRANTY ON GEAR BOX AND SLEWING RING, AND A 3 YEAR STRUCTURAL WARRANTY.

YES BIDDER MUST PROVIDE "ON-SITE" WARRANTY SERVICE.

YES BIDDER MUST PROVIDE LOCATION OF NEAREST FACTORY AUTHORIZED REPAIR FACILITY.

DELIVERY:

YES INDICATE NUMBER OF DAYS THE PRODUCT SHALL BE DELIVERED AFTER THE RECEIPT OF CHASSIS AT MANUFACTURE'S FACILITY.

(SEPARATE OPTION)

**MINIMUM SPECIFICATIONS FOR
HEAVY DUTY BULK TRASH TRAILER**

It is the intent of these specifications to describe a heavy-duty trailer to be used in the collection and hauling of bulk trash, limbs, brush, leaves, building materials, etc., or any other materials. Material, workmanship, design and capacities are being for a piece of equipment that will be required to do a certain job. Any bids submitted not meeting all of these specifications are subject to rejection.

All bidders must fill in all blanks: YES if meeting or exceeding specifications and NO if exception is taken to specification. Any exceptions taken must be explained in written detail on bidder's letterhead and attached to the bid submitted. All quotes are to include equipment delivery and the training of City personnel to operate and service the equipment. Bidder must attach a copy of the factory warranty for the equipment being bid.

Delivery of bid on New Heavy Duty Bulk Trash Trailer, to be within 90 days upon receiving notice to proceed by Director of Public Works.

YES Minimum 22 cubic yard capacity.

YES Minimum 20 foot body length. (20 feet is trailer length only, does not include tongue.)

YES Main trailer frame to be two (2) fourteen (14) inch wide heavy-duty I beams, twenty-two pounds (22) per foot with adequate cross members. Cross members to be 4"X1/4 structural channel 5.4 pounds per foot.

YES Suspension to have two (2) 15,000 pound capacity axle, with total axle and spring capacity of 30,000 pounds.

YES DUAL Wheels 17.5 demountable, and four (8) tires. Tire size: 215-75R – 17.5R Radial tubeless.

YES Must have electric operated brakes with proper hook-up to truck chassis.

YES Body of trailer to be constructed with five (5) inch structural channel main sills and four (4) inch structural channel cross sills. Cross sills to be placed on 16" centers. Body floor to be built with seven (7) gauge steel, floor to be formed over and under the ends of cross sills. Body inside width to be 91 inches and overall width not to exceed eight (8) feet. Wall stiffeners will be welded to top rail and stiffeners will be welded to the wall sheet. Side walls will be continuously welded to the floor plate and end wall will be continuously welded to the floor and to the intersection of the walls. Front body wall to be 48 inches high. Side body walls to be 48 inches high. Body walls to be constructed with 10-gauge sheet steel. Wall stiffeners to be a minimum of 11 gauge formed c channels placed on approximately 24-inch centers. Body walls shall have a top rail formed from 11 gauge minimum steel in such manner as to encapsulate top end of vertical wall stiffeners and edge of wall sheet. Body to be constructed with 7 inch @ 9.8 lbs. per foot structural channel main sill the full length of the body and 4 inch @ 5.4 lbs. per foot structural channel cross sills. Cross sills to be placed on 16-inch centers. Body shall have (2) equal width barn type rear doors 48 inches high to swing completely around to each side wall with provisions to positively latch open for dumping. Doors shall be hinged with 1-inch diameter hinge pins. Door latch will secure both doors at the top and bottom where the doors meet.

YES Body to be equipped with heavy-duty barn type rear doors with positive latch. Hinges to be

minimum 1 inch pins, with straps to be no less than ½ x3 inch flat bar with grease points. Rear doors shall be fabricated from 10-gauge steel with a circumferential frame of 4-inch structural channel. Hydraulic jack stand must be capable to lift loaded trailer for disconnection and connection to chassis. Hydraulic jack stand cylinder shall contain a pilot operated check valve as an integral part of the cylinder. A bolt on pilot operated check valve will not be permissible. Trailer to be equipped with a (2) bank hydraulic valve to control hoist and hydraulic jack. Trailer to be equipped with quick hydraulic hose disconnects. Wiring harness shall be quick disconnect from towing vehicle. The quick disconnects shall be located at the hitch point.

YES **Body Hoist** to be equipped with two (2) telescoping hydraulic cylinders. Lifting capacity to be 30,000 pounds, with a minimum 5 inch O.D. cylinder, providing 15 tons of lifting capacity to 45 degrees tilt of the body. Scissor lift not acceptable.

YES **Trailer** to have a hydraulic operated jackstand with a minimum of 20 inch stroke.

YES Trailer to be equipped with lights to meet all state and federal safety standards. All wiring to be protected with metal tubing. Tail lights to be mounted in rubber cushions in rear post of trailer.

YES Trailer to be equipped with a two (2) bank hydraulic valve to control hoist and jack leg stand. Jackstand hoist must be able to lift loaded trailer for disconnection or connection to truck.

YES Trailer to have heavy-duty tongue with four (4) five (5) inch structural channels and equipped with safety chains. Body shall be of pintle hook design for truck. Truck should be capable of towing trailer by pintle hitch. Body shall have a 15,000-lb. axles minimum. Body floor shall be made of 7-gauge steel.

YES **Paint:** All metal to be properly cleaned, primed, and painted orange. Trailer body shall receive receive (1) coat of high-grade primer and (2) coats of high-grade urethane paint on the outside of the body. The trailer body shall receive (1) coat of high-grade primer and (1) coat of high-grade urethane paint on the inside.

YES **Lights and Reflectors:** Shall conform to current state and federal standards.

YES **Complete shop/maintenance and parts manuals.**

YES **Warranty:** Bidder must provide all warranties required below. Failure to provide such warranties may result in your bid being deemed non-responsive.

Warranty Period:

State Warranty:

1 Year on hydraulics

1 YEAR _____

3 Year on structural

3 YEAR _____

Serviceability:

Please state nearest facility for service, including mileage distance, for the:

Trailer: Bay Springs, MS 24 MILES _____

Delivery: Indicate number of day's product will be delivered after receiving purchase order / notice to proceed. 40-50 days ROC

YES **Safety Rear Bumper:** Body shall have a rear safety bumper that meets DOT regulations.

YES **Body Safety Prop:** Body safety prop shall prevent the body from falling unexpectedly and support the body in an upright tilted position when fully loaded for maintenance only.

**MINIMUM SPECIFICATIONS FOR A TRUCK CHASSIS
TO BE USED WITH A HEAVY DUTY TRASH LOADER**

It is the intent of these specifications to describe a new 2019 truck chassis to be used with a hydraulic operated knuckle boom trash loader and trash collection trailer. These specifications are describing and stating the minimum requirements of a truck chassis needed to perform certain work functions. Bids with equipment not meeting these minimum capacities and requirements will be subject to rejection.

All bidders must fill in all blanks: **YES**, if meeting or exceeding specification; and **NO**, if exception is taken to a certain specification. Any exceptions taken must be explained in detailed writing on bidders own letterhead and attached to the bid submitted. All quotes are to include delivery of chassis to knuckle boom loader and body supplier. Bidder must attach a copy of warranty on chassis bid.

The City reserves the right to reject any and all bids.

ENGINE:

YES_____ MIN. 260 H.P. 6 CYLINDER DIESEL W/ 720LB/FT TORQUE. ISL WET SLEEVE ENGINE

160_____ 200 AMP ALTERNATOR

YES_____ (3) 12 VOLT 2250 CCA BATTERIES. POSITIVE AND NEGATIVE POST FOR JUMPSTART. POSITIVE LOAD DISCONNECT WITH CAB MOUNTED CONTROL SWITCH MOUNTED OUTBOARD DRIVER SEAT

YES_____ 18.7 CFM COMPRESSOR

_EXCEEDS_____ 115 VOLT BLOCK HEATER

EQUIVALENT YES_____ GATES BLUE STRIPE COOLANT HOSES

YES_____ RH HORIZONTAL AFTER TREATMENT DEVICE.

YES_____ 1300 SQUARE INCH RADIATOR

YES_____ ENGINE BRAKE W ON/OFF DASH SWITCH

20.7 EXCEEDS _____ 13 GALLON DEF TANK MIN.

TRANSMISSION

YES_____ ALLISON 3000 RDS W/ PTO PROVISION AND PUSH BUTTON SHIFT CONTROL ON DASH

YES_____ INTERFACE WIRING AND BODY BUILDER CONNECTOR BACK OF CAB.

YES_____ ELECTRONIC TRANSMISSION CUSTOMER ACCESS CONNECTOR BACK OF CAB

YES_____ WATER TO OIL TRANSMISSION COOLER

YES_____ CASTROL TRANSYND SYNTHETIC TRANSMISSION FLUID

FRONT AXLE

YES _____ 12,000LB FRONT AXLE

YES _____ 12,000LB TAPER LEAF SUSPENSION W/ SHOCK ABSORBERS

YES _____ 16.5" X 5" Q+ BRAKE SHOES W/ AUTO SLACK ADJUSTERS AND GUNITE DRUMS

REAR AXLE

YES _____ 21,000LB REAR AXLE

YES _____ 23,000LB FLAT-LEAF SUSPENSION W/ HELPER AND RADIUS ROD

_YES _____ 17T MAIN DRIVELINE OR EQUIVALENT

5.57 _____ AXLE RATIO TO BE BETWEEN 5.14 AND 6.86 TO ACHIEVE ROAD SPEED OF 68 MPH.

_YES _____ 16.5" X 7" Q+ BRAKE SHOES W/ AUTO SLACK ADJUSTERS AND GUNITE DRUMS

BRAKE SYSTEM

YES _____ ANTI-LOCK AIR BRAKES

_YES _____ BENDIX AD-9 AIR DRYER W HEATER & PULL CABLES ON ALL RESERVOIRS.

FRAME AND WHEELBASE

YES _____ 173" WHEELBASE OR EQUIVALENT FOR BODY SPECIFIED. 108 CA, 60 AF.

YES _____ FRONT TOW HOOKS

_YES _____ 11/32" X 3-1/2" X 10-15/16" STEEL FRAME OR EQUIVALENT WITH 120KSI

FUEL TANKS & EQUIPMENT

75 GALLON EXCEEDS _____ 60 GALLON LH ALUMINUM FUEL TANK.

YES _____ FUEL WATER SEPARATOR WITH PRIMER

CAB

YES _____ HEAVY DUTY NON-AUTOMOTIVE CAB W CHROME GRILL. BUG SCREEN, LH/RH GRAB HANDLES,

NO _____ AIR CAB MOUNTS

_YES _____ DUAL STAINLESS STEEL HEATED MIRRORS, LH & RH 8" CONVEX MIRRORS

YES _____ DUAL AIR HORNS MOUNTED UNDER HOOD

YES _____ HEATER, DEFROSTER, AIR CONDITIONER

YES _____ HIGH BACK AIR RIDE DRIVER SEAT W/ 2-MAN PASSENGER SEAT W/ TOOLBOX UNDERNEATH. BLACK VINYL SEAT COVERS FOR DRIVER AND PASSENGER.

YES_____ CRUISE CONTROL, TACHOMETER, BACKUP ALARM, OIL PRESSURE GAUGE

EXCEEDS WITH BLUETOOTH_____ AM/FM RADIO

_YES_____ AUTOMATIC SELF-RESET CIRCUIT BREAKERS

YES_____ 2 ½LB FIRE EXTINGUISHER AND TRIANGULAR REFLECTORS

YES_____ TWO CUP HOLDERS IN DASH

YES

_____ ELECTRIC WINDSHIELD WIPERS WITH DELAY

TIRES AND WHEELS

_YES_____ FRONT TIRES: 11R/22.5 16 PLY WITH HIGHWAY TREAD – 10 HUB PILOT DISC WHEELS

_YES_____ REAR TIRES: 11R/22.5 14 PLY WITH TRACTION TREAD –10 HUB PILOT DISC WHEELS

GENERAL CHASSIS REQUIREMENTS

YES_____ TRUCK TO BE WHITE IN COLOR.

_83_____ MUST PROVIDE PARTS/WARRANTY/SERVICE WITHIN 60 MILE RADIUS.

YES_____ MUST PROVIDE PARTS AND SERVICE MANUALS WITH UNIT.

_YES_____ MUST PROVIDE STATE AND DOT INSPECTION.

__YES__ MUST PROVIDE ON-SITE DRIVER TRAINING AT TIME OF DELIVERY.

__yes__ MUST PROVIDE TOWING/ROADSIDE SERVICE WARRANTY FOR 1YEAR.

SUPPLIER BID FORM

Name of bidder: Truckworx-Kenworth

Address of bidder: 330 Legget Drive; Richland, MS 39208

Make of unit: T-370

Model of unit: Kenworth

Price of unit.....\$Unpriced

Lease price of unit.....\$ Unpriced

36 month lease payment.....\$ After Bid

Balloon payment.....\$ After Bid

48 month lease payment.....\$ After Bid

Balloon payment.....\$ After Bid

60 month lease payment.....\$ After Bid

Balloon payment.....\$ After Bid

Guaranteed buy back @ 36 months or 5000 hours.....\$ After Bid

Guaranteed buy back @ 48 months or 6000 hours.....\$ After Bid

Guaranteed buy back @ 60 months or 7500 hours.....\$ After Bid

Interest rate (APR) – 36 mo. @ _____%, 48 mo. @ _____%, 60 mo. @ _____%

Warranty (Enclose copy).....See proposal

Labor rate for non warranty work(per hour)..... 105

Travel mileage rate...(per mile)..... ? no mobile service

Distance from nearest facility..... 83
miles

Delivery Date....._April Delivery as of
today, firm, date upon PO _____

Exceptions and Justifications to Specifications; Truckworx will furnish the above buy
back number and leasing information 48 hours after the bid closes. At this time
prices are not firm or accurate due to this Reverse Auction on the 13th.

Representative_Jay Callaway Director of Government Accounts

TRASH BODY TRAILER SPECIFICATIONS
TBT 2023
20 FEET LONG, 23 CUBIC YARDS

1.0 TRASH BODY TRAILER:

- 1.1 MINIMUM 23 CUBIC YARD CAPACITY.
- 1.2 MINIMUM 20 FT. BODY LENGTH.
- 1.3 BODY FLOOR SHALL BE MADE OF 7 GAUGE STEEL.
- 1.4 BODY WALLS TO BE CONSTRUCTED WITH 10 GAUGE SHEET STEEL. WALL STIFFENERS TO BE A MINIMUM OF 11GAUGE FORMED CHANNELS PLACED ON APPROXIMATELY 24-INCH CENTERS.
- 1.5 BODY WALLS SHALL HAVE A TOP RAIL FORMED FROM 11 GAUGE MINIMUM STEEL IN SUCH MANNER AS TO ENCAPSULATE TOP END OF VERTICAL WALL STIFFENERS AND EDGE OF WALL SHEET.
- 1.6 WALL STIFFENERS WILL BE WELDED TO TOP RAIL AND STIFFENERS WILL BE WELDED TO THE WALL SHEET.
- 1.7 FRONT AND SIDE BODY WALLS TO BE 48 INCHES HIGH.
- 1.8 BODY FULL LENGTH MAIN STRUCTURAL CHANNEL SILLS TO BE 7 INCH @ 9.8 LBS. PER FT. CROSS SILLS TO BE 4 INCH @ 5.4 LBS. PER FT STRUCTURAL CHANNEL. CROSS SILLS TO BE PLACED ON 16-INCH CENTERS.
- 1.9 BODY SHALL HAVE (2) EQUAL WIDTH BARN TYPE REAR DOORS 48 INCHES HIGH TO SWING COMPLETELY AROUND TO EACH SIDE WALL WITH PROVISIONS TO POSITIVELY LATCH OPEN FOR DUMPING.
- 1.10 EACH DOOR SHALL BE HINGED WITH (2) X 1 INCH HINGE PINS. HINGES MUST BE WELDED TO BODY AND DOOR AND MUST CONTAIN EASILY ACCESSIBLE GREASE FITTINGS. DOOR LATCH WILL SECURE BOTH DOORS AT THE TOP, BOTTOM, AND CENTER WHERE THE DOORS MEET.
- 1.11 REAR DOORS SHALL BE FABRICATED FROM 10-GAUGE STEEL WITH A CIRCUMFERENTIAL FRAME OF 4-INCH STRUCTURAL CHANNEL.
- 1.12 BODY EXTERIOR SHALL RECEIVE (1) COAT OF HIGH-GRADE PRIMER AND (2) COATS OF HIGH-GRADE ENAMEL PAINT.
- 1.13 BODY INTERIOR SHALL RECEIVE (1) COAT OF HIGH-GRADE PRIMER AND (1) COAT OF HIGH-GRADE ENAMEL PAINT.

2.0 TRAILER BODY HOIST:

- 2.1 THE HOIST SYSTEM SHALL BE TWO 5" BORE, TWO STAGE TELESCOPIC HYDRAULIC CYLINDERS RATED @ 2,500 PSI WORKING PRESSURE MOUNTED TO PROVIDE A 45 DEGREE DUMP ANGLE. LEFT AND RIGHT HOIST CYLINDERS MUST BE MOUNTED OUTBOARD OF THE CHASSIS FRAME.
- 2.2 Two (2) BODY SAFETY PROPS SHALL BE INSTALLED ON EACH SIDE OF THE TRAILER FRAME RAILS.

3.0 AXLE:

<p>3.1 A SINGLE AXLE RATED AT 22,400#’S UTILIZING AIR BRAKES AND INCLUDING DUAL P235/75R17.5 TIRES AND RIMS WILL BE FURNISHED.</p> <p>3.2 OPTIONAL AXLE: TANDEM 15,000# AXLES WITH ELECTRIC OR AIR BRAKES INCLUDING DUAL P215/75R17.5 TIRES AND RIMS WILL BE FURNISHED.</p>	
<p>4.0 WARRANTY:</p> <p>4.1 BIDDER MUST PROVIDE ALL WARRANTIES REQUIRED BELOW. FAILURE TO PROVIDE SUCH WARRANTIES MAY RESULT IN YOUR BID BEING DEEMED NON-RESPONSIVE.</p> <p>4.2 ENTIRE UNIT TO HAVE A ONE YEAR PARTS AND LABOR WARRANTY AND A 3 YEAR STRUCTURAL WARRANTY.</p>	
<p>5.0 DELIVERY:</p> <p>5.1 INDICATE NUMBER OF DAYS THE PRODUCT SHALL BE DELIVERED AFTER RECEIPT OF THE PURCHASE ORDER BY THE MANUFACTURER.</p>	

HOL-MAC CORPORATION WARRANTY POLICY

Hol-Mac Corp. (Pac-Mac ®) warrants each Hol-Mac product it manufactures and each new part and component sold by Hol-Mac to be free of defects in material and workmanship, provided the parts and components are operated and maintained in accordance with Hol-Mac published operating and maintenance instructions applicable thereto. This warranty is subject to the terms and conditions stated below.

Warrantor: This warranty is granted by Hol-Mac Corporation, P.O. Box 349, Bay Springs, Mississippi 39422. All warranty work must be accomplished by Hol-Mac at its factory in Bay Springs, Mississippi, or by such other facility specifically authorized by Hol-Mac. All warranty work performed by a facility other than Hol-Mac must be approved by Hol-Mac in writing prior to commencement of said work.

Duration of Warranty: The time periods applicable to the warranty of the specified component parts of the Hol-Mac products are as follows:

Major Structural Component Parts —3 year
Non-Hydraulic Replacement Parts – 1 year
Hydraulic Drive - 3 year

Exclusion and Disclaimers: This warranty does not extend to normal maintenance services such as cleaning, greasing, mechanical adjustments and maintenance inspections or to any defect due to the negligence of others, failure to operate or maintain the product in accordance with the published operating and maintenance instructions furnished by Hol-Mac, unreasonable use, accidents, alterations or wear and tear. Hol-Mac also reserves the right to make changes in the design or material of its products without incurring obligation to incorporate such changes in any product previously manufactured.

Procedure for Obtaining Performance Under this Warranty: In order to qualify under this warranty, the owner must notify Hol-Mac within (45) days of discovery of the defect and promptly deliver the entire product or defective part to Hol-Mac at its factory in Bay Springs, MS, or if requested by Hol-Mac to such other authorized facility designated by Hol-Mac. Upon receipt of such product, part or component, if it is found not to be defective in material or workmanship, Hol-Mac shall notify the owner of such fact and request instructions for the return of such product, part or component to the owner. All costs of transporting Hol-Mac products to and from the Hol-Mac factory, or such other authorized facility designated by Hol-Mac, shall be paid by the owner.

NO OTHER WARRANTY, WHETHER OF FITNESS OR OTHERWISE, EXPRESSED OR IMPLIED, IN FACT OR BY LAW, IS GIVEN BY HOL-MAC WITH RESPECT TO ANY NEW PRODUCT, PART OR COMPONENT, OR WITH RESPECT TO ANY WORK AND NO OTHER OR FURTHER OBLIGATION OR LIABILITY SHALL BE INCURRED BY HOL-MAC BY REASON OF THE MANUFACTURE, SALE, OR LEASE OF ANY PRODUCT, PART, OR COMPONENT OR OF ITS USE, WHETHER FOR BREACH OF WARRANTY, NEGLIGENCE OF MANUFACTURE OR OTHERWISE.

SPECIFICATION
For "SKBR-20H-F" SERIES LOADER (360 DEGREE BOOM ROTATION W/STOPS)
TRUCK MOUNTED SHUTTLE SYSTEM KNUCKLE BOOM LOADER
 ("H" STYLE OUTRIGGERS) (-F INDICATES; GRAPPLE STORES FORWARD OF PEDESTAL)

THE UNIT WILL BE USED IN COLLECTION AND LOADING OF BULK TRASH, LIMBS, LEAVES, BUILDING MATERIALS, AND WHITE GOODS, OR OTHER MATERIALS OF THAT NATURE. **UNIT MUST BE MANUFACTURED IN AN ISO 9000:2000 CERTIFIED FACILITY.** ALL BIDDERS MUST FILL IN ALL INFORMATION. IF MEETING OR EXCEEDING SPECIFICATIONS PUT **YES**, AND IF EXCEPTIONS ARE TAKEN PUT **NO**. ANY EXCEPTIONS MUST BE EXPLAINED IN WRITING. ALL PROPOSALS INCLUDE DELIVERY, TRAINING OF OPERATORS AND SERVICE PERSONNEL.

LOADER SPECIFICATIONS

VENDOR'S RESPONSE, Y/N EXCEPTIONS

1.0 BOOM:

- 1.1 TOTAL BOOM LENGTH TO BE 20FT. MAIN BOOM TO BE 16FT. WITH A 4FT. TELESCOPING SECTION.
- 1.2 MINIMUM LIFT CAPACITY TO BE 3,000 LBS. @ 20 FT. (INCLUDING GRAPPLE)
- 1.3 BOOM PEDESTAL TO BE CONSTRUCTED OF HIGH STRENGTH STEEL, PROVIDING A 3:1 SAFETY FACTOR.
- 1.4 ALL HYDRAULIC HOSES LOCATED AT THE OPERATOR POSITION (BOOM PEDESTAL) MUST BE ENCLOSED IN THE PEDESTAL BASE. ACCESS PROVIDED BY AN EASILY REMOVABLE STEEL COVER.
- 1.5 BOOM PIVOT SHALL BE MOUNTED TO THE PEDESTAL BY MEANS OF A SLEWING RING\BEARING THAT HAS A MINIMUM CAPACITY OF 513,000 LBS. STATIC LOAD AND 186,000 FT-LBS. MOMENT. SLEWING RING SHALL BE 3 1/2" THICK AND HAVE AN O.D. OF 25 3/4". BOOM PIVOT SHALL BE CONSTRUCTED WITH A 9" O.D. SAFETY RETAINING TUBE. THE BOOM PIVOT SAFETY RETAINING TUBE SHALL BE A MINIMUM OF 12" LONG AND CONFINE ALL HOSES WHICH PASS THROUGH THE PEDESTAL/BOOM PIVOT ASSEMBLY.
- 1.6 BOOM ROTATION OF 360 DEGREES MINIMUM WITH MECHANICAL STOPS FOR SAFETY.
- 1.7 BOOM ROTATION SHALL BE ACCOMPLISHED BY A DIRECT HYDRAULIC SWING DRIVE THROUGH A SLEWING (BEARING) RING PRODUCING 250,000 INCH-POUNDS TORQUE.
- 1.8 ENTIRE BOOM ASSEMBLY SHALL BE DESIGNED WITH A TENSILE STRENGTH TO PROVIDE A SAFETY FACTOR OF 3 TO 1 AT THE RATED LOAD CAPACITY.
- 1.9 MAIN BOOM SHALL BE CONSTRUCTED OF (2) 4"x 8" HIGH STRENGTH STEEL TUBE.
- 1.10 TIP BOOM SHALL BE CONSTRUCTED FROM A 5" X 7" HIGH STRENGTH STEEL TUBE.
- 1.11 TIP BOOM SHALL HAVE A 4' TELESCOPIC EXTENSION TIP SECTION CONSTRUCTED FROM 4"x 6" HIGH STRENGTH STEEL TUBE.
- 1.12 MAIN BOOM SHALL BE EQUIPPED WITH MECHANICAL STOPS TO PROHIBIT HYDRAULIC CYLINDERS FROM BOTTOMING OUT. EXTEND BOOM STOPS MUST BE EASILY ACCESSIBLE AND REMOVABLE FOR SERVICE.
- 1.13 BOOM PEDESTAL TO BE MOUNTED DIRECTLY TO THE CHASSIS FRAME RAILS. MOUNTING MUST INCLUDE INSIDE FRAME RAIL SUPPORTS AT THE MOUNTING POINTS.
- 1.14 THE ENTIRE BOOM MUST BE SERVICEABLE DOWN TO THE COMPONENT LEVEL, E.G., EVERY HYDRAULIC HOSE, FLUID TUBES, BRACKET, PIN, ETC. HAVING TO REPLACE SUBASSEMBLIES IN ORDER TO

REPAIR A COMPONENT WILL NOT BE ACCEPTABLE.

1.15 TELESCOPIC TIP EXTENSION SHALL BE EQUIPPED WITH REPLACEABLE NYLON BEARINGS ON ALL 3 SIDES WITH ROLLER ON BOTTOM. BEARINGS MUST BE EASILY ACCESSIBLE FOR REPLACEMENT AND HAVE AUTOMATIC "SLACK-HOSE-TAKE-UP."

1.16 ALL BOOM CONNECTIONS REQUIRING PINS SHALL BE EQUIPPED WITH REPLACEABLE BUSHINGS AND HEAT-TREATED PINS.

1.17 ALL OPERATING FUNCTIONS SHALL BE CONTROLLED FROM THE OPERATOR STATION MOUNTED ON THE LEFT HAND SIDE OF THE BOOM. THE OPERATOR STATION MUST ROTATE WITH THE BOOM ASSEMBLY AND HAVE A CUSHIONED OPERATOR SEAT WITH ARM REST AND SEAT BELT. A STEP MADE OF SLIP RESISTANT MATERIAL IS REQUIRED FOR EASE OF ACCESS.

1.18 A TWO STAGE TANDEM PUMP ALLOWS FOR MULTI-FUNCTION CONTROL OF THE LOADER.

1.19 OPERATOR CONTROLS SHALL BE MECHANICAL "JOYSTICK " TYPE. ALL CONTROLS SHALL BE CLEARLY IDENTIFIED AS TO FUNCTION.

1.20 SWING CONTROLS SHALL BE MECHANICAL FOOT OPERATED CONTROLS WITH SAFETY COVERS TO PREVENT INADVERTENT ACTIVATION.

1.21 ELECTRONIC ENGINE SPEED-UP CONTROL IS REQUIRED. CABLE OR AIR ACTUATED WILL NOT BE ACCEPTABLE.

2.0 TRASH GRAPPLE\BUCKET:

2.1 BUCKET SHALL HAVE A 360 DEGREE CONTINUOUS ROTATING GRAPPLE WITH A REPLACEABLE HYDRAULIC SWIVEL. SWIVEL SHALL NOT BE WELDED OR BE AN INTEGRAL PART OF THE GRAPPLE.

2.2 BUCKET IS TO BE OPENED AND CLOSED BY (2) HYDRAULIC CYLINDERS WITH A CLOSING FORCE\BITE" OF 3,600 LBS.

2.3 BUCKET IS TO BE 4' LONG AND CAPABLE OF OPENING TO 60 INCHES FROM LIP TO LIP.

2.4 BUCKET SHALL BE FABRICATED WITH A BOLT ON REPLACEABLE H.S.H.C. STEEL CUTTING EDGE.

2.5 PROVISION SHALL BE MADE TO STORE THE GRAPPLE TO THE FRONT OF THE PEDESTAL BASE WHILE THE UNIT IS BEING TRANSPORTED.

3.0 HYDRAULICS:

3.1 RESERVOIR SHALL BE A MINIMUM OF 45 GALLONS. IT SHALL HAVE A DUAL LEVEL/OIL TEMPERATURE GAUGE ON SIDE OF TANK. AN IN-TANK SUCTION STRAINER IS INCLUDED.

3.2 FILTER SHALL BE A 10-MICRON, RETURN LINE REPLACEABLE FILTER MOUNTED ON OUTSIDE OF RESERVOIR.

3.3 MAIN BOOM, TIP BOOM AND OUTRIGGER HYDRAULIC CYLINDERS SHALL CONTAIN PILOT OPERATED CHECK VALVES AS AN INTEGRAL PART OF EACH CYLINDER TO PREVENT BOOM MOVEMENT IN THE EVENT OF HYDRAULIC HOSE FAILURE. BOLT ON PILOT OPERATED CHECK VALVES WILL NOT BE PERMISSIBLE.

3.4 TWO OPERATOR BALL VALVES, LOCATED AT THE OPERATOR STATION, WILL ALLOW FOR TRAVEL OF THE BOOM IN THE TRAILER. THESE VALVES ALLOW THE MAIN BOOM AND SWING FUNCTIONS "FREE FLOAT". THESE VALVES MUST INCORPORATE SAFETY LATCHES.

3.5 ALL HOSES SHALL BE RATED AT 4,000-PSI WORKING PRESSURE.

3.6 PORT TUBING THROUGHOUT THE MAIN AND TIP BOOM SHALL BE STAINLESS STEEL TUBE.

3.7 CONTROL VALVES SHALL HAVE A 20 GPM RATING.

3.8 SUCCESSFUL BIDDER MUST PROVIDE A COMPUTER PRINTOUT AT TIME OF DELIVERY SHOWING PARTICLE TESTING OF THE HYDRAULIC OIL DONE JUST PRIOR TO THE UNIT BEING SHIPPED IN ORDER TO ILLUSTRATE TOTALLY UNCONTAMINATED OIL.

4.0 POWER SOURCE:

4.1 UNIT TO BE MOUNTED ON ANY CHASSIS THAT MEETS THE SPECIFICATION PREVIOUSLY STATED, WITH A HEAVY – DUTY “HOT SHIFT” PTO AND A HEAVY – DUTY BI-ROTATIONAL TANDEM HYDRAULIC PUMP.

5.0 THROTTLE CONTROL:

5.1 UNIT TO HAVE AN ELECTRIC OPERATED THROTTLE CONTROL TO MAINTAIN PROPER ENGINE SPEED WHEN LOADER IS OPERATED UNDER LOAD. SWITCH FOR THROTTLE CONTROL TO BE MOUNTED ON OPERATOR’S PLATFORM FOR OPERATOR’S CONVENIENCE.

5.2 THROTTLE SPEED-UP SHALL OPERATE ONLY WHEN THE TRANSMISSION IN THE NEUTRAL POSITION.

6.0 OUTRIGGERS:

6.1 OUTRIGGERS SHALL BE EXTENDABLE TO A DISTANCE THAT WILL RESIST LOADS OF 85% OF THE TIPPING MOMENT UNDER MAXIMUM RATED LOAD.

6.2 THE OUTRIGGERS ARE TO BE EQUIPPED WITH SMOOTH PADS TO CAUSE MINIMUM DAMAGE TO CONTACTED SURFACE.

6.3 OUTRIGGERS SHALL TELESCOPE HORIZONTALLY IN AND OUT; AND VERTICALLY UP AND DOWN, AND OPERATE INDEPENDENTLY BY MEANS OF INDIVIDUAL MECHANICAL LINKAGE CONTROLS. CONTROLS MUST BE LOCATED A DISTINCTIVE DISTANCE FROM THE MAIN BOOM CONTROLS.

6.4 OUTRIGGER CYLINDERS FOR STABILIZING LOADER SHALL BE MOUNTED INSIDE TELESCOPING LEGS.

6.5 OUTRIGGERS SHALL RETRACT TO WITHIN THE MAXIMUM HIGHWAY WIDTH AND WILL EXTEND TO A MAXIMUM WIDTH TO RESIST THE DESIGN LOAD MOMENT.

6.6 OUTRIGGER CYLINDERS SHALL CONTAIN HOLDING VALVES ON EXTEND AND RETRACT FUNCTIONS TO PREVENT OUTRIGGER LEAK DOWN.

7.0 LIGHTS AND REFLECTORS:

7.1 SHALL CONFORM TO CURRENT STATE AND FEDERAL STANDARDS.

8.0 PAINT:

8.1 LOADER SHALL RECEIVE (1) COAT OF HIGH- GRADE PRIMER AND (2) COATS OF HIGH-GRADE ENAMEL PAINT (MANUFACTURER’S STANDARD COLORS).

9.0 PINTLE HITCH TRAILER CONNECTION:

9.1 THE LOADER SHALL HAVE A "PINTLE HITCH CONNECTION" RATED NO LESS THEN 90,000 LBS. FOR SHUTTLE TRAILER ATTACHMENT.

9.2 HYDRAULIC "QUICK CONNECT/DISCONNECT" FITTINGS SHALL BE PROVIDED AT THE REAR OF THE UNIT FOR HOOK-UP TO THE TRAILER DUMP SYSTEM, AND HYDRAULIC JACKSTAND. CONTROLS FOR THIS FUNCTION SHALL BE LOCATED AT THE REAR OF THE LOADER.

9.3 PROVISIONS TO BE MADE FOR SELECTOR TO PROVIDE OIL WHEN TRAILER CONNECTED.

9.4 CUSTOMER MUST PROVIDE MAKE AND MODEL OF QUICK DISCONNECTS TO ENSURE COMPATABILITY TO CUSTOMER'S EXISTING TRAILERS.

10.0 WARRANTY:

10.1 BIDDER MUST PROVIDE ALL WARRANTIES REQUIRED BELOW. FAILURE TO PROVIDE SUCH WARRANTIES MAY RESULT IN YOUR BID BEING DEEMED NON-RESPONSIVE.

10.2 ENTIRE UNIT TO HAVE A ONE YEAR PARTS AND LABOR WARRANTY, A 3 YEAR WARRANTY ON GEAR BOX AND SLEWING RING, AND A 3 YEAR STRUCTURAL WARRANTY.

10.3 BIDDER MUST PROVIDE "ON-SITE" WARRANTY SERVICE.

10.4 BIDDER MUST PROVIDE LOCATION OF NEAREST FACTORY AUTHORIZED REPAIR FACILITY.

11.0 DELIVERY:

11.1 INDICATE NUMBER OF DAYS THE PRODUCT SHALL BE DELIVERED AFTER THE RECEIPT OF CHASSIS AT MANUFACTURE'S FACILITY.

OPTIONAL ADDITIONS/SUBSTITUTIONS TO GENERIC SPECIFICATION SKBR-20H-F

INSERT 1.20 FOR ENCLOSED CAB WITHOUT/AIR CONDITIONING

1.20 THE ENTIRE OPERATOR WORK STATION SHALL HAVE AN ENCLOSED CAB. SLIDING WINDOWS SHALL BE PROVIDED ON ALL FOUR SIDES OF THE CAB FOR MAXIMUM OPERATOR VISIBILITY.

INSERT 1.20 FOR ENCLOSED CAB WITH/AIR CONDITIONING

1.20 THE ENTIRE OPERATOR WORK STATION SHALL HAVE AN ENCLOSED CAB. SLIDING WINDOWS SHALL BE PROVIDED ON ALL FOUR SIDES OF THE CAB FOR MAXIMUM OPERATOR VISIBILITY. THE ENCLOSED OPERATOR'S STATION SHALL HAVE A 12 VOLT AIR CONDITIONER.

SUBSTITUTE ITEM 12.1 FOR HEAVY DUTY 22,500 AIR BRAKE AXLE

12.1 A SINGLE AXLE RATED AT 22,500#'S UTILIZING AIR BRAKES (ABS) INCLUDING TIRES AND RIMS WILL BE FURNISHED.

SUBSTITUTE ITEM 9.2 FOR HYDRAULIC "JACK STAND" FEATURE

9.2 A HYDRAULIC HOIST (JACK STAND) SHALL BE FURNISHED TO ASSIST THE HOOK-UP OF THE TRAILER TO THE "PINTLE HITCH" LOCATED ON THE SHUTTLE LOADER.

SPECIFICATION
For "SKBR-20H-F" SERIES LOADER (360 DEGREE BOOM ROTATION W/STOPS)
TRUCK MOUNTED SHUTTLE SYSTEM KNUCKLE BOOM LOADER
 ("H" STYLE OUTRIGGERS) (-F INDICATES; GRAPPLE STORES FORWARD OF PEDESTAL)

THE UNIT WILL BE USED IN COLLECTION AND LOADING OF BULK TRASH, LIMBS, LEAVES, BUILDING MATERIALS, AND WHITE GOODS, OR OTHER MATERIALS OF THAT NATURE. **UNIT MUST BE MANUFACTURED IN AN ISO 9000:2000 CERTIFIED FACILITY.** ALL BIDDERS MUST FILL IN ALL INFORMATION. IF MEETING OR EXCEEDING SPECIFICATIONS PUT **YES**, AND IF EXCEPTIONS ARE TAKEN PUT **NO**. ANY EXCEPTIONS MUST BE EXPLAINED IN WRITING. ALL PROPOSALS INCLUDE DELIVERY, TRAINING OF OPERATORS AND SERVICE PERSONNEL.

LOADER SPECIFICATIONS

VENDOR'S RESPONSE, Y/N EXCEPTIONS

1.0 BOOM:

- 1.1 TOTAL BOOM LENGTH TO BE 20FT. MAIN BOOM TO BE 16FT. WITH A 4FT. TELESCOPING SECTION.
- 1.2 MINIMUM LIFT CAPACITY TO BE 3,000 LBS. @ 20 FT. (INCLUDING GRAPPLE)
- 1.3 BOOM PEDESTAL TO BE CONSTRUCTED OF HIGH STRENGTH STEEL, PROVIDING A 3:1 SAFETY FACTOR.
- 1.4 ALL HYDRAULIC HOSES LOCATED AT THE OPERATOR POSITION (BOOM PEDESTAL) MUST BE ENCLOSED IN THE PEDESTAL BASE. ACCESS PROVIDED BY AN EASILY REMOVABLE STEEL COVER.
- 1.5 BOOM PIVOT SHALL BE MOUNTED TO THE PEDESTAL BY MEANS OF A SLEWING RING\BEARING THAT HAS A MINIMUM CAPACITY OF 513,000 LBS. STATIC LOAD AND 186,000 FT-LBS. MOMENT. SLEWING RING SHALL BE 3 1/2" THICK AND HAVE AN O.D. OF 25 3/4". BOOM PIVOT SHALL BE CONSTRUCTED WITH A 9" O.D. SAFETY RETAINING TUBE. THE BOOM PIVOT SAFETY RETAINING TUBE SHALL BE A MINIMUM OF 12" LONG AND CONFINE ALL HOSES WHICH PASS THROUGH THE PEDESTAL/BOOM PIVOT ASSEMBLY.
- 1.6 BOOM ROTATION OF 360 DEGREES MINIMUM WITH MECHANICAL STOPS FOR SAFETY.
- 1.7 BOOM ROTATION SHALL BE ACCOMPLISHED BY A DIRECT HYDRAULIC SWING DRIVE THROUGH A SLEWING (BEARING) RING PRODUCING 250,000 INCH-POUNDS TORQUE.
- 1.8 ENTIRE BOOM ASSEMBLY SHALL BE DESIGNED WITH A TENSILE STRENGTH TO PROVIDE A SAFETY FACTOR OF 3 TO 1 AT THE RATED LOAD CAPACITY.
- 1.9 MAIN BOOM SHALL BE CONSTRUCTED OF (2) 4"x 8" HIGH STRENGTH STEEL TUBE.
- 1.10 TIP BOOM SHALL BE CONSTRUCTED FROM A 5" X 7" HIGH STRENGTH STEEL TUBE.
- 1.11 TIP BOOM SHALL HAVE A 4' TELESCOPIC EXTENSION TIP SECTION CONSTRUCTED FROM 4"x 6" HIGH STRENGTH STEEL TUBE.
- 1.12 MAIN BOOM SHALL BE EQUIPPED WITH MECHANICAL STOPS TO PROHIBIT HYDRAULIC CYLINDERS FROM BOTTOMING OUT. EXTEND BOOM STOPS MUST BE EASILY ACCESSIBLE AND REMOVABLE FOR SERVICE.
- 1.13 BOOM PEDESTAL TO BE MOUNTED DIRECTLY TO THE CHASSIS FRAME RAILS. MOUNTING MUST INCLUDE INSIDE FRAME RAIL SUPPORTS AT THE MOUNTING POINTS.
- 1.14 THE ENTIRE BOOM MUST BE SERVICEABLE DOWN TO THE COMPONENT LEVEL, E.G., EVERY HYDRAULIC HOSE, FLUID TUBES, BRACKET, PIN, ETC. HAVING TO REPLACE SUBASSEMBLIES IN ORDER TO

REPAIR A COMPONENT WILL NOT BE ACCEPTABLE.

1.15 TELESCOPIC TIP EXTENSION SHALL BE EQUIPPED WITH REPLACEABLE NYLON BEARINGS ON ALL 3 SIDES WITH ROLLER ON BOTTOM. BEARINGS MUST BE EASILY ACCESSIBLE FOR REPLACEMENT AND HAVE AUTOMATIC "SLACK-HOSE-TAKE-UP."

1.16 ALL BOOM CONNECTIONS REQUIRING PINS SHALL BE EQUIPPED WITH REPLACEABLE BUSHINGS AND HEAT-TREATED PINS.

1.17 ALL OPERATING FUNCTIONS SHALL BE CONTROLLED FROM THE OPERATOR STATION MOUNTED ON THE LEFT HAND SIDE OF THE BOOM. THE OPERATOR STATION MUST ROTATE WITH THE BOOM ASSEMBLY AND HAVE A CUSHIONED OPERATOR SEAT WITH ARM REST AND SEAT BELT. A STEP MADE OF SLIP RESISTANT MATERIAL IS REQUIRED FOR EASE OF ACCESS.

1.18 A TWO STAGE TANDEM PUMP ALLOWS FOR MULTI-FUNCTION CONTROL OF THE LOADER.

1.19 OPERATOR CONTROLS SHALL BE MECHANICAL "JOYSTICK " TYPE. ALL CONTROLS SHALL BE CLEARLY IDENTIFIED AS TO FUNCTION.

1.20 SWING CONTROLS SHALL BE MECHANICAL FOOT OPERATED CONTROLS WITH SAFETY COVERS TO PREVENT INADVERTENT ACTIVATION.

1.21 ELECTRONIC ENGINE SPEED-UP CONTROL IS REQUIRED. CABLE OR AIR ACTUATED WILL NOT BE ACCEPTABLE.

2.0 TRASH GRAPPLE\BUCKET:

2.1 BUCKET SHALL HAVE A 360 DEGREE CONTINUOUS ROTATING GRAPPLE WITH A REPLACEABLE HYDRAULIC SWIVEL. SWIVEL SHALL NOT BE WELDED OR BE AN INTEGRAL PART OF THE GRAPPLE.

2.2 BUCKET IS TO BE OPENED AND CLOSED BY (2) HYDRAULIC CYLINDERS WITH A CLOSING FORCE\ "BITE" OF 3,600 LBS.

2.3 BUCKET IS TO BE 4' LONG AND CAPABLE OF OPENING TO 60 INCHES FROM LIP TO LIP.

2.4 BUCKET SHALL BE FABRICATED WITH A BOLT ON REPLACEABLE H.S.H.C. STEEL CUTTING EDGE.

2.5 PROVISION SHALL BE MADE TO STORE THE GRAPPLE TO THE FRONT OF THE PEDESTAL BASE WHILE THE UNIT IS BEING TRANSPORTED.

3.0 HYDRAULICS:

3.1 RESERVOIR SHALL BE A MINIMUM OF 45 GALLONS. IT SHALL HAVE A DUAL LEVEL/OIL TEMPERATURE GAUGE ON SIDE OF TANK. AN IN-TANK SUCTION STRAINER IS INCLUDED.

3.2 FILTER SHALL BE A 10-MICRON, RETURN LINE REPLACEABLE FILTER MOUNTED ON OUTSIDE OF RESERVOIR.

3.3 MAIN BOOM, TIP BOOM AND OUTRIGGER HYDRAULIC CYLINDERS SHALL CONTAIN PILOT OPERATED CHECK VALVES AS AN INTEGRAL PART OF EACH CYLINDER TO PREVENT BOOM MOVEMENT IN THE EVENT OF HYDRAULIC HOSE FAILURE. BOLT ON PILOT OPERATED CHECK VALVES WILL NOT BE PERMISSIBLE.

3.4 TWO OPERATOR BALL VALVES, LOCATED AT THE OPERATOR STATION, WILL ALLOW FOR TRAVEL OF THE BOOM IN THE TRAILER. THESE VALVES ALLOW THE MAIN BOOM AND SWING FUNCTIONS "FREE FLOAT". THESE VALVES MUST INCORPORATE SAFETY LATCHES.

3.5 ALL HOSES SHALL BE RATED AT 4,000-PSI WORKING PRESSURE.

3.6 PORT TUBING THROUGHOUT THE MAIN AND TIP BOOM SHALL BE STAINLESS STEEL TUBE.

3.7 CONTROL VALVES SHALL HAVE A 20 GPM RATING.

3.8 SUCCESSFUL BIDDER MUST PROVIDE A COMPUTER PRINTOUT AT TIME OF DELIVERY SHOWING PARTICLE TESTING OF THE HYDRAULIC OIL DONE JUST PRIOR TO THE UNIT BEING SHIPPED IN ORDER TO ILLUSTRATE TOTALLY UNCONTAMINATED OIL.

4.0 POWER SOURCE:

4.1 UNIT TO BE MOUNTED ON ANY CHASSIS THAT MEETS THE SPECIFICATION PREVIOUSLY STATED, WITH A HEAVY – DUTY "HOT SHIFT" PTO AND A HEAVY – DUTY BI-ROTATIONAL TANDEM HYDRAULIC PUMP.

5.0 THROTTLE CONTROL:

5.1 UNIT TO HAVE AN ELECTRIC OPERATED THROTTLE CONTROL TO MAINTAIN PROPER ENGINE SPEED WHEN LOADER IS OPERATED UNDER LOAD. SWITCH FOR THROTTLE CONTROL TO BE MOUNTED ON OPERATOR'S PLATFORM FOR OPERATOR'S CONVENIENCE.

5.2 THROTTLE SPEED-UP SHALL OPERATE ONLY WHEN THE TRANSMISSION IN THE NEUTRAL POSITION.

6.0 OUTRIGGERS:

6.1 OUTRIGGERS SHALL BE EXTENDABLE TO A DISTANCE THAT WILL RESIST LOADS OF 85% OF THE TIPPING MOMENT UNDER MAXIMUM RATED LOAD.

6.2 THE OUTRIGGERS ARE TO BE EQUIPPED WITH SMOOTH PADS TO CAUSE MINIMUM DAMAGE TO CONTACTED SURFACE.

6.3 OUTRIGGERS SHALL TELESCOPE HORIZONTALLY IN AND OUT; AND VERTICALLY UP AND DOWN, AND OPERATE INDEPENDENTLY BY MEANS OF INDIVIDUAL MECHANICAL LINKAGE CONTROLS. CONTROLS MUST BE LOCATED A DISTINCTIVE DISTANCE FROM THE MAIN BOOM CONTROLS.

6.4 OUTRIGGER CYLINDERS FOR STABILIZING LOADER SHALL BE MOUNTED INSIDE TELESCOPING LEGS.

6.5 OUTRIGGERS SHALL RETRACT TO WITHIN THE MAXIMUM HIGHWAY WIDTH AND WILL EXTEND TO A MAXIMUM WIDTH TO RESIST THE DESIGN LOAD MOMENT.

6.6 OUTRIGGER CYLINDERS SHALL CONTAIN HOLDING VALVES ON EXTEND AND RETRACT FUNCTIONS TO PREVENT OUTRIGGER LEAK DOWN.

7.0 LIGHTS AND REFLECTORS:

7.1 SHALL CONFORM TO CURRENT STATE AND FEDERAL STANDARDS.

8.0 PAINT:

8.1 LOADER SHALL RECEIVE (1) COAT OF HIGH- GRADE PRIMER AND (2) COATS OF HIGH-GRADE ENAMEL PAINT (MANUFACTURER'S STANDARD COLORS).

9.0 PINTLE HITCH TRAILER CONNECTION:

9.1 THE LOADER SHALL HAVE A "PINTLE HITCH CONNECTION" RATED NO LESS THEN 90,000 LBS. FOR SHUTTLE TRAILER ATTACHMENT.

9.2 HYDRAULIC "QUICK CONNECT/DISCONNECT" FITTINGS SHALL BE PROVIDED AT THE REAR OF THE UNIT FOR HOOK-UP TO THE TRAILER DUMP SYSTEM, AND HYDRAULIC JACKSTAND. CONTROLS FOR THIS FUNCTION SHALL BE LOCATED AT THE REAR OF THE LOADER.

9.3 PROVISIONS TO BE MADE FOR SELECTOR TO PROVIDE OIL WHEN TRAILER CONNECTED.

9.4 CUSTOMER MUST PROVIDE MAKE AND MODEL OF QUICK DISCONNECTS TO ENSURE COMPATABILITY TO CUSTOMER'S EXISTING TRAILERS.

10.0 WARRANTY:

10.1 BIDDER MUST PROVIDE ALL WARRANTIES REQUIRED BELOW. FAILURE TO PROVIDE SUCH WARRANTIES MAY RESULT IN YOUR BID BEING DEEMED NON-RESPONSIVE.

10.2 ENTIRE UNIT TO HAVE A ONE YEAR PARTS AND LABOR WARRANTY, A 3 YEAR WARRANTY ON GEAR BOX AND SLEWING RING, AND A 3 YEAR STRUCTURAL WARRANTY.

10.3 BIDDER MUST PROVIDE "ON-SITE" WARRANTY SERVICE.

10.4 BIDDER MUST PROVIDE LOCATION OF NEAREST FACTORY AUTHORIZED REPAIR FACILITY.

11.0 DELIVERY:

11.1 INDICATE NUMBER OF DAYS THE PRODUCT SHALL BE DELIVERED AFTER THE RECEIPT OF CHASSIS AT MANUFACTURE'S FACILITY.

OPTIONAL ADDITIONS/SUBSTITUTIONS TO GENERIC SPECIFICATION SKBR-20H-F**INSERT 1.20 FOR ENCLOSED CAB WITHOUT/AIR CONDITIONING**

1.20 THE ENTIRE OPERATOR WORK STATION SHALL HAVE AN ENCLOSED CAB. SLIDING WINDOWS SHALL BE PROVIDED ON ALL FOUR SIDES OF THE CAB FOR MAXIMUM OPERATOR VISIBILITY.

INSERT 1.20 FOR ENCLOSED CAB WITH/AIR CONDITIONING

1.20 THE ENTIRE OPERATOR WORK STATION SHALL HAVE AN ENCLOSED CAB. SLIDING WINDOWS SHALL BE PROVIDED ON ALL FOUR SIDES OF THE CAB FOR MAXIMUM OPERATOR VISIBILITY. THE ENCLOSED OPERATOR'S STATION SHALL HAVE A 12 VOLT AIR CONDITIONER.

SUBSTITUTE ITEM 12.1 FOR HEAVY DUTY 22,500 AIR BRAKE AXLE

12.1 A SINGLE AXLE RATED AT 22,500#'S UTILIZING AIR BRAKES (ABS) INCLUDING TIRES AND RIMS WILL BE FURNISHED.

SUBSTITUTE ITEM 9.2 FOR HYDRAULIC "JACK STAND" FEATURE

9.2 A HYDRAULIC HOIST (JACK STAND) SHALL BE FURNISHED TO ASSIST THE HOOK-UP OF THE TRAILER TO THE "PINTLE HITCH" LOCATED ON THE SHUTTLE LOADER.



Truckworx K415
2220 Finley BLVD

MISS MUNI LEAGUE

Birmingham, Alabama United States 35242
Phone:
Fax:
Email:

Phone:
Fax:
Contact Email:
Prepared for:

Vehicle Summary

Unit		Chassis	
Model:	T370 SERIES	Fr Axle Load (lbs):	12000
Type:	CONVENTIONAL	Rr Axle Load (lbs)	21000
Description:	FULL TRUCK	G.C.W. (lbs):	33000
Application		Road Conditions:	
Intended Serv.:	Construction. Vehicles used in the construction	Class A (Highway)	79
Commodity:	Other building materials	Class B (Hwy/Mtn)	20
Body		Class C (Off-Hwy)	01
Type:	Flatbed	Class D (Off-Road)	00
Length (ft):	26.0	Maximum Grade:	6
Height (ft):	12.0	Wheelbase (in):	176
Max Laden Weight (lbs):	4000	Overhang (in):	60
Trailer		Fr Axle to BOC (in):	68
No. of Trailer Axles:	0	Cab to Axle (in):	108
Type:		Cab to EOF (in):	168
Length (ft):	0.0	Overall Comb. Length (in):	276
Height (ft):	0.0	Special Req.	
Kingpin Inset (in):	0	U.S. Domestic Registry, 50-State	
Corner Radius (in):	0		
Restrictions			
Length (ft):	120		
Width (in):	102		
Height (ft):	15.0		

Approved by: _____

Date: _____

Note: All sales are F.O.B. designated plant of manufacture.



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Model Number: T370 SERIES CONVENTIONAL
Quote/DTP/CO: Q20841473
Version Number: 41.20

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2220 Finley BLVD

MISS MUNI LEAGUE

Birmingham, Alabama United States 35242

Phone:

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Email:

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Prepared for:

Data	Code	Description	Weight
Model			
0000370	O	T370 SERIES CONVENTIONAL Electric Door locks LH/RH; Ignition & doors keyed alike; Single electric horn; Single-piece windshield; Electric windshield wipers, 2-speed plus intermittent; Electric windshield washers; Steering wheel 18in. 4-spoke; Glovebox door with locking latch; Dash-mounted cruise control with switches; Turn signal switch with column-mounted dimmer; Standard dash panels include gray w/ burl wood accents; Slate Gray interior primary color; Dark Slate Gray seat color; Floormat; Inside sunvisor, LH/RH; Door courtesy lights; Under-dash center console with 1 cup holder, 1 ashtray & 1 lighter.	9,642
0070006	O	T370 Class 7: medium-duty Conventional.	0
0080050	O	CARB Idle Emissions Reduction Feature for PX-7 and PX-9	0
0090015	O	Medium-duty 4x2 automatic.	0
0091040	O	Other building materials	0
0093130	O	Construction. Vehicles used in the construction industry, other than those listed above. Use typically involves operating on the jobsite, to pick up or deliver construction materials, or to position the vehicle for its intended use at the construction site. Includes such activities as delivery of precast concrete, concrete pumpers, flatbeds or roll-offs for delivery of construction materials or equipment, etc. Typically includes some operation off of paved roads. Road usage: any combination, which includes some Class C.	0
0095140	O	Flatbed	0
0098025	O	U.S. Domestic Registry, 50-State	0

Engine & Equipment

0129461	O	PACCAR PX-9 260 2017 260@2200 720@1300 Includes turbo exhaust brake, no code is used. Diagnostic Plug for data link, Oil Cooler, Aluminum Flywheel Housing. N09200 N205 75...Standard Maximum Speed Limit [LSL] N09220 N207 0...Expiration Distance N09260 P14 73...Maximum Accelerator Pedal Vehicle Speed N09300 P19 73...Maximum Cruise Speed N09360 N203 252...Reserve Speed Function Reset Distance N09380 N202 0...Maximum Cycle Distance N09400 N206 10...Maximum Active Distance N09420 N201 0...Reserve Speed Limit Offset N09440 P11 YES..Engine Protection Shutdown	555
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Data	Code	Description	Weight
		N09460 P06 NO...Gear Down Protection	
		N09480 P26 1400.Max PTO Speed	
		N09500 P02 YES..Cruise Control Auto Resume	
		N09520 P04 NO...Auto Engine Brake in Cruise	
		N09540 N209 0....Expiration Distance	
		N09560 P520 YES..Enable Idle Shutdown Park Brake Set	
		N09580 P32 5....Timer Setting	
		N09600 P233 YES..Enable Impending Shutdown Warning	
		N09620 P234 60...Timer For Impending Shutdown Warning	
		N09640 P516 35...Engine Load Threshold	
		N09680 P33 NO...Idle Shutdown Manual Override	
		N09720 P230 YES..Enable Hot Ambient Automatic Override	
		N09740 P46 40...Low Ambient Temperature Threshold	
		N09760 P56 60...Intermediate Ambient Temperature Threshold	
		N09780 P47 80...High Ambient Temperature Threshold	
1000158	O	Prospector Version 43.0 Replaces 42.1	0
1000684	O	Effective VSL Setting NA	0
1000858	O	Engine Idle Shutdown Timer Disabled	0
1000859	O	Enable EIST Ambient Temp Override	0
1000891	O	Eff EIST NA Expiration Miles Use only with MX and Cummins engines	0
1002060	S	Air compressor: Cummins 18.7 CFM For Cummins And PACCAR PX engines.	0
1031130	S	Air Cleaner: Dry-type firewall mounted w/filter restriction indicator.	0
1105230	O	Fan Hub: Horton 2-Speed for ISL9, ISL-G, PX-8 or PX-9	0
1121200	S	Cooling module: 1000 square inches T170/T270/T370/T470. Includes metal surge tank on T170/T270/T370.	0
1160205	O	Bug screen: Front of grille on C500 ,T800, T880, and W900. Behind grille on T660, T680, and T300 (Medium Duty).	2
1247194	O	Exhaust:2017 EPA RH Under Cab DPF/SCR For PX-9 w/ Single Vertical RH Side of Cab Tailpipe.	215
1290130	O	Tailpipe: 5 in. single 30 in. 45 degree curved.	0
1321145	O	Fuel Filter:Fleetguard FS1003 Fuel/Water Separator for PX-9	0
1321200	O	Run Aid:None *For Fuel Filter	0
1321300	O	Start Aid:None *For Fuel Filter	0
1504006	O	Block heater, PACCAR 1750 watt 120V for PX-6 and PX-7, 1000 watt for PX-8 and PX-9 or ISL9 engines .	2
1816260	S	Alternator: PACCAR 160 amp, brush type	0

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Data	Code	Description	Weight
1821210	O	Batteries: 3 PACCAR GP31 threaded post (700-730) 2100-2190 CCA dual purpose.	57
1836100	S	Starter: PACCAR 12 volt electrical system. W/ centralized power distribution incorporating plug-in style relays. Circuit protection for serviceability, 12-volt light system w/circuit protection circuits number & color coded.	0
1840005	O	Battery disconnect switches 2, mounted on battery box.	2
1900082	O	Multi-function engine connector for body builder interface for Cummins.	0
1900976	O	Body Builder Control Harness coiled EOF for customer installed remote throttle and remote PTO controls. Harness includes Remote PTO control and Remote Throttle controls. T680/T880 models do not require 12-way engine connector sales codes. All other models require (1900082 or 1900084).	2

Transmission & Clutch

2011205	O	Transmission: Allison 3000RDS 6-speed w/PTO drive gear. 5th Gen controls. Includes heat exchanger & oil level sensor. Rugged Duty Series for vocational applications. Transynd transmission fluid is standard on all Allison 1000, 2000, 3000 & 4000 series transmissions. Requires a push button shift control code. Oil temperature gauge is standard on class 8 models.	291
2401905	O	Driveline: 3 Dana standard-duty; 2 centerbearing. *Standard duty is 1710 series.	169
2410018	O	Torque converter included w/Allison Transmission.	0
2410203	U	Allison FuelSense Base: Inclds. EcoCal,	0
2410204	O	Delete Allison Fuel Sense	0
2410244	O	J1939 Park Brake Auto Neutral	0
2429358	O	Rear transmission support springs for transmission PTO applications are required to ensure that engine flywheel housings are not overloaded when transmission PTO's are installed.	0

Front Axle & Equipment

2502230	O	Dana Spicer E-1202IL Front Axle rated 12K 3-1/2in. drop. Use W/Air Brakes Only. Medium Duty Only.	0
2603006	S	Front brakes included w/ front hub package.	0
2701000	S	Air Brake: 14,600 lb. package includes Bendix 16-1/2 x5 brakes, cast drums, aluminum 10-bolt hub pilot Preset hubs, hubcaps, oil seals & automatic slack adjusters. For use w/ 22-1/2in. wheels.	0
2790035	O	Maximum length wheel studs for hub pilot wheels only. Option is standard length w/ dual aluminum wheels, code not required.	2

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Data	Code	Description	Weight
2863015	S	Front Springs: Taperleaf 12K w/ shock absorber for use on 2010+ chassis w/ 22.5in. wheels only.	0
2895223	S	Single power steering gear: 13.2K for air brakes.	0
2900022	O	Front frame raised 0.8 inches. for ground clearance with 22.5 in. tires	0

Rear Axle & Equipment

3031094	S	Single Dana Spicer P22060S single reduction rear axle. T300/K300: use with/air brakes. Single rear axle 22K capacity rated at 21K.	0
3200557	O	Rear Axle Ratio - 5.57.	0
3300000	S	Single rear brakes included w/rear hub package.	0
3403003	O	26K air brake package includes 16-1/2x7 in. brakes, cast drums, iron 10-bolt hub pilot hubs, slack adjusters and oil seals for use w/ 22.5 in. wheels.	0
3407046	O	Longer studs for aluminum wheels w/ steel hub pilot wheels.	6
3485009	S	Spring Brake: 3030 high output single.	0
3495226	S	Bendix 4S/4M anti-lock brake system.	0
3531000	O	Wheel Differential Lock for Dana Spicer Axle P22060S; changes S to D to the axle part number.	15
3636422	O	Rear suspension: single Reyco 79KB taperleaf 23K. Medium-duty. Unladen Height: 9 in. Laden Height: 7.3 in. Not rear air disc brake compatible.	57
3836310	O	Rear shock absorbers for Reyco 79KB.	35

Tires & Wheels

4038737	O	Front Tires: Goodyear Fuel Max RSA 11R22.5 16PR	0
4238681	O	Rear tires: Goodyear G182 RSD11R22.5 14PR 42.1 in. diameter, all position. 19.6 in. SLR. Code is priced per pair of tires.	52
4900004	O	Rear Tire Quantity: 4	0
5042285	O	Front Wheel: Accuride 50344 22.5x8.25 steel Steel Armor(TM) powder coat, hub-pilot mount, heavy-duty 5 hand-hole hub pilot mount.	20
5242285	O	Rear Wheel: Accuride 50344 22.5x8.25 steel Steel Armor(TM) powder coat, hub-pilot mount. Heavy-duty 5 hand-hole hub pilot mount. Code is priced per pair of wheels.	40
5853906	O	Powder coat white steel wheel. Use in conjunction with front, dual front, rear, spare or lift axle wheel code(s). All wheels on chassis must have same finish color.	0
5900004	O	Rear Wheel/Rim Quantity: 4	0

Frame & Equipment

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Data	Code	Description	Weight
6054250	O	Frame Rails: 10-5/8 x 3-1/2 x 5/16 in. Steel to 308 in. Truck frame weight is 2.91 lb.-in. per pair of rails. Section modulus is 14.80 cu.in., RBM is 1,776,000 in.-lbs per rail. 120,000 PSI yield. Heat treated. Frame rail availability may be restricted based upon application, axle/suspension capacity, fifth wheel setting, or component/dimensional specifications. The results of the engineering review may result in a change to the requested frame rail. If a change is required Kenworth Application Engineering will advise the dealer of the appropriate material specification for a substitute rail.	105
6308715	O	Bumper: Aerodynamic Chrome Requires a bumper setting code.	0
6319409	S	40.9 in. Bumper setting. Requires a bumper code.	0
6321005	O	Removable Front Tow Hooks: 2.	15
6390103	S	Front mudflaps.	0
6391201	O	Custom Frame Layout: one chassis	0
6400636	O	Battery box cantilever aluminum BOC with fiberglass cover.	0
6409901	O	Battery box location: LH Side.	0
6451059	O	T270/370 Non-polished 2010 or later DPF/SCR cover with cab access step assembly, RH under. End plates will be painted standard black frame color.	0
6490122	S	One-piece welded crossmember assembly with 12mm frame fasteners, center and rear frame. Standard crossmember.	0
6490430	O	Bolted Rear Cab Support Crossmember. Replaces T3 standard.	17
6679915	O	Customer-installed bulkhead and/or headache rack.	0
6721102	O	Rear mudflap arms: Betts B-25 standard-duty, straight. Includes B1732 mounting brackets as standard.	12
6722000	O	Rear mudflap shields: White plastic antisail w/ Kenworth logo.	9
6742009	S	Square end-of-frame w/o crossmember; non-towing.	0
Fuel Tanks & Equip			
7210075	O	Fuel Tank: 75 US gallon 24.5in. aluminum under replace. Class 8 fuel tanks w/o locking caps include an anti-siphon device on the filler neck.	-16
7722019	O	Medium round DEF tank. 20.7 gallons of usable volume. The DEF tank will be located on the side you specified. If you have specific configuration or body builder concerns, please utilize the Custom Frame Layout option. Standard capacity is calculated by fuel capacity of the vehicle and will accommodate two diesel fill-ups for every DEF fill-up. For 1:1 DEF fuel fill ratio, add 7889204.	32

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7831042	O	Fuel Tank Steps: 6in. wide upper & lower F/1 LH under round tank 24.5in. NFPA Compliant. Includes fuel tank crossbrace.	8
7889203	O	Standard DEF to fuel fill ratio: 2:1 or greater.	0
7889604	O	DEF tank location is on the LH.	0
7920075	O	Location: 75 gal fuel tank LH under cab	0
Cab & Equipment			
8024310	S	Cab: Curved Glass Conventional. Cab Includes aluminum & fiberglass fully hucked cab w/ all aluminum bulkhead doors & continuous stainless steel piano-style door hinges. Single electric horn standard. Incandescent exterior lights include diagnosable bulb detection and warning. Trailer cable on tractors includes integrity detection. Standard features include multiplex wiring for interior lights, automated pre-trip inspection, short and open check diagnostics. Warning alarm will sound when lights are left on.	0
8080137	O	Cab door bearing blocks, top & bottom.	0
8090310	S	Hood: Sloped aerodynamic hood includes grill & separate bumper.	0
8108010	S	Cab heater: W/integral defrosters & A/C 45,000 btu cab heater. No sleeper heater/AC. Includes 5 mode rotary control. T660 include filter media.	0
8201200	O	Adjustable telescoping tilt steering column.	10
8208495	O	Two spare switches: Wired to power.	0
8220106	O	Gauge: Dash mounted air filter restriction gauge.	0
8226667	O	Gauge: Oil Temperature Gauge Transmission. The NavPlus HD unit includes a virtual transmission oil temperature gauge.	0
8282004	O	KW Driver Information Center: Includes fuel economy, RPM display, trip information, truck information, diagnostics, gear display, alarm clock.	0
8282009	S	Instrument package: Includes speedometer, tachometer, fuel gauge, engine coolant temperature gauge, engine oil pressure, voltmeter. Class 8 also includes primary & secondary air reservoir gauges & an air application gauge. DEF level gauge and warning lamp are included with 2010+ engines. Engine hour meter and outside air temperature readouts are standard. Primary read out will be MPH. Add 8240620 to switch primary scale to KPH in Canada.	0
8282990	O	Full burl wood dash panels	0
8330003	S	Cab interior: Pinnacle. Includes vinyl headliner & cab back panel, slate gray interior, dark slate gray seats, floormats, LH/RH inside sunvisor & door courtesy lights.	0

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8410481	O	Driver seat: Kenworth Air cushion Plus IB Mordura Standard features includes 7 in. fore and aft slide adjustment w/isolator, 6-23 degree recline, air suspension with cover, dual armrests, and single chamber air lumbar support. Seat cushion is 20 inches wide w/ 2-position tilt and 2-position front cushion extension. Seat material has a horizontal stitch pattern and is 2-tone in color. Seat back is carpeted. Seat is manufactured by National. Includes inside visor and retractable 3-point matching seat belts. Grey seat belts.	0
8478328	O	Rider seat: 2 man bench Mordura. Standard features include 34.5 in. wide 2-tone seat cushion w/ fixed base. Armrests are not available. Seat back is carpeted. Includes inside visor and retractable 3-point matching seat belts. Grey seat belts.	61
8490150	O	Seat color: Jet Black.	0
8496559	O	Driver and Rider Seat Belts: Orange Seat Belts. Replacing standard color.	0
8601421	O	Kenworth Radio with AM/FM/WB/USB and Bluetooth	4
8699913	O	Dash-mounted CB assembly: Includes bracket & binding posts. Dual antenna leads located on mirror bracket.	4
8700083	O	Under-dash center console: W/2 cup holders, 1 ashtray, 1 lighter, 1 12V outlet & a storage compartment.	0
8700154	O	Self cancelling turn signal: W/head light dimmer switch .	0
8800733	O	Grabhandle: LH w/ short extension over door.	4
8800734	O	Grabhandle: RH w/ short extension over door.	4
8832115	O	Daylite Door: LH/RH includes RH peeper window	0
8841618	O	Dual rectangular air horn 23 in. LH & RH top of roof. Includes air horn covers.	11
8850210	S	Dual convex mirrors 7-1/2 in. w/ offset mounting, and non-heated.	0
8850300	S	Look-Down, Pass. Door, Stainless 8.5x4.4	0
8866101	O	Mirror: Dual Prutsmann mirror 7 in. x 16 in. polished stainless steel, thermostatically controlled. switch located on door pad.	0
8869005	S	Mirror brackets 8-1/2 ft load width.	0
8871438	S	Rear Cab Stationary Window 17 in. x 36 in.	0
8879200	S	Manual LH & electric-powered RH door window. Switch located on door.	0
8890135	O	Exterior stainless steel sunvisor.	11
Lights & Instruments			
9010801	S	Headlamps: Halogen Projector Low Beam, Halogen Complex Reflector High Beam	0
9022137	O	Marker Lights: Five, rectangular, LED	0

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9030010	S	Turn Signal Lights: Mounted on fender	0
9070138	S	Combination Stop, Tail, Turn & Backup Lights RH & LH.	0
9090115	O	Reflectors: Two Midframe	0
9090126	O	Electric Backup Alarm: Meets SAE J994 & OSHA requirements.	4
9090845	O	Circuit Breakers: Replacing fuses. Does not apply to any 5-amp fuse box position. Brakers include stop/brake/turn, tail lamp, high & low beams, marker/clearance lamps, horn, fuel heat, gauges, air dryer, HVAC controls, panel lamps. Some circuits will remain fuses.	0
Air Equipment			
9101215	S	Air Dryer Bendix AD-IS heated Puraguard	0
9108001	O	Moisture ejection valve w/ pull cable drain.	0
9140254	O	Locate air dryer inside RH rail BOC. This code requires the use of a custom frame layout code.	0
9140288	O	Air tanks: clear of transmission area. This code requires the use of a custom frame layout code.	0
Extended Warranty			
9200008	O	Base Warranty - PACCAR PX-9 Engine 24 months / 250,000 miles / 402,336 km / 6250 hours.	0
9200022	S	Base Warranty - Standard Service Medium Duty 12 months / Unlimited miles & km	0
Miscellaneous			
9400072	O	Ship to Dealer.	0
9409852	O	GHG Secondary Manufacturer: Does Not Apply	0
9490003	O	Additional lead time required for off highway & /or specialty component truck.	0
9490206	O	Warning triangle reflector kit: Shipped loose. Kit consists of 3 triangles in plastic carrying case. Not floor mounted.	4
9490404	O	One 5 lb. dry chemical type fire extinguisher mounted outboard of driver seat. Class ABC.	11
Paint			
9700000	O	Paint color number(s). N97020 A - L0006 WHITE N97200 FRAME N0001 BLACK	0
9943004	O	Bumper Unpainted	0
9943050	O	Day Cab Standard Paint	0
9944820	O	1 - Color Paint - Day Cab Color will be White if no other color is specified.	0

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Data	Code	Description	Weight
9965510	S	Base coat/clear coat. The Kenworth Color Selector contains additional instructions, as well as information on Kenworth paint guidelines and surface finish applications. Kenworth is standard with Dupont Imron Elite paint.	0
Total Weight			11474 lb

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