VENCIE CITY OF

TEREX TL-50

QUOTATION

M2 106 CONVENTIONAL CHASSIS

SET BACK AXLE - TRUCK

CUM ISB 6.7-250 250 HP @ 2300 RPM, 2600 GOV, 660 LB/FT @ 1600 RPM

ALLISON 3500 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION

RS-21-160 21,000# R-SERIES SINGLE REAR AXLE

21,000# 52 INCH VARIABLE RATE MULTI-LEAF SPRING REAR SUSPENSION WITH LEAF SPRING HELPER DETROIT DA-F-14.7-3 14,700# FF1 71.5 KPI/3.74 DROP SINGLE FRONT AXLE

14,600# FLAT LEAF FRONT SUSPENSION

106 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB

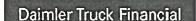
5700MM (224 INCH) WHEELBASE

11/32X3-1/2X10-15/16 INCH STEEL FRAME (8.73MMX277.8MM/0.344X10.94 INCH) 120KSI

1600MM (63 INCH) REAR FRAME OVERHANG

			PER UNIT		TOTAL
VEHICLE PRICE TO	OTAL # OF UNITS (1)	\$		\$	
EXTENDED WARRANTY	\$	\$		\$	
DEALER INSTALLED OPTIONS	\$	\$		\$	
CUSTOMER PRICE BEFORE TAX	•	\$		\$	OPERATOR STATEMENT AND ADMINISTRATION OF THE STATEMENT AND ADMINIS
TAXES AND FEES					
TAXES AND FEES		\$		\$	
OTHER CHARGES	\$	\$		\$	
TRADE-IN		Maga		5 110	
TRADE-IN ALLOWANCE		\$	(0)	\$	(0)
BALANCE DUE	(LOCAL CURRENCY)	\$	185,936	\$	185,936

2013/14 FLORIDA SHERIFFS CONTRACT SPEC 11 13-11-0904 LOU BACHRODT FREIGHTLINER LOW BID ON THIS SPEC.



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Application Version 8.6,005 Data Version PRL-06M.016 VENICE CITY OF TEREX TL-50



SPECIFICATION PROPOSAL

Description

Price Level

M2 PRL-06M (EFF:08/08/13)

Data Version

SPECPRO21 DATA RELEASE VER 016

Vehicle Configuration

M2 106 CONVENTIONAL CHASSIS 2015 MODEL YEAR SPECIFIED SET BACK AXLE - TRUCK

TRAILER TOWING PROVISION AT END OF

FRAME FOR TRUCK

LH PRIMARY STEERING LOCATION

General Service

TRUCK/TRAILER CONFIGURATION

DOMICILED, USA (EXCLUDING CALIFORNIA AND CARB OPT-IN STATES)

UTILITY/REPAIR/MAINTENANCE SERVICE

GOVERNMENT BUSINESS SEGMENT

FIXED LOAD COMMODITY

TERRAIN/DUTY: 10% (SOME) OF THE TIME, IN TRANSIT, IS SPENT ON NON-PAVED ROADS

MAXIMUM 8% EXPECTED GRADE

MAINTAINED GRAVEL OR CRUSHED ROCK - MOST SEVERE IN-TRANSIT (BETWEEN SITES) ROAD SURFACE

MEDIUM TRUCK WARRANTY

EXPECTED FRONT AXLE(S) LOAD: 14000.0 lbs

EXPECTED REAR DRIVE AXLE(S) LOAD:

21000.0 lbs

EXPECTED GROSS VEHICLE WEIGHT CAPACITY

: 35000.0 lbs

EXPECTED GROSS COMBINATION WEIGHT:

50000.0 lbs



Description

Truck Service

UTILITY BODY

EXPECTED BODY/PAYLOAD CG HEIGHT ABOVE

FRAME "XX" INCHES: 32.0 in

Tractor Service

VAN TRAILER

SINGLE (1) TRAILER

Engine

CUM ISB 6.7-250 250 HP @ 2300 RPM, 2600 GOV, 660 LB/FT @ 1600 RPM

Electronic Parameters

75 MPH ROAD SPEED LIMIT

CRUISE CONTROL SPEED LIMIT SAME AS ROAD

SPEED LIMIT

PTO MODE ENGINE RPM LIMIT - 1100 RPM

PTO MODE BRAKE OVERRIDE - SERVICE

BRAKE ONLY ENABLED

PTO RPM WITH CRUISE SET SWITCH - 700 RPM

PTO RPM WITH CRUISE RESUME SWITCH - 800

RPM

PTO MODE CANCEL VEHICLE SPEED - 5 MPH

PTO GOVERNOR RAMP RATE - 250 RPM PER

SECOND

PTO MINIMUM RPM - 700

REGEN INHIBIT SPEED THRESHOLD - 5 MPH

Engine Equipment

2013 ONBOARD DIAGNOSTICS/2010

EPA/CARB/GHG14

NO 2008 CARB EMISSION CERTIFICATION

STANDARD OIL PAN

ENGINE MOUNTED OIL CHECK AND FILL

ONE PIECE VALVE COVER

SIDE OF HOOD AIR INTAKE WITH FIREWALL MOUNTED DONALDSON AIR CLEANER

DR 12V 160 AMP 28-SI QUADRAMOUNT PAD ALTERNATOR WITH REMOTE BATTERY VOLT SENSE

(2) ALLIANCE MODEL 1131, GROUP 31, 12 VOLT MAINTENANCE FREE 1850 CCA THREADED

STUD BATTERIES

BATTERY BOX FRAME MOUNTED



Description

STANDARD BATTERY JUMPERS

SINGLE BATTERY BOX FRAME MOUNTED LH SIDE UNDER CAB

WIRE GROUND RETURN FOR BATTERY CABLES WITH ADDITIONAL FRAME GROUND RETURN

NON-POLISHED BATTERY BOX COVER

CUMMINS TURBOCHARGED 18.7 CFM AIR COMPRESSOR WITH INTERNAL SAFETY VALVE

STANDARD AIR COMPRESSOR GOVERNOR

AIR COMPRESSOR DISCHARGE LINE

ELECTRONIC ENGINE INTEGRAL SHUTDOWN PROTECTION SYSTEM

RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH HORIZONTAL TAILPIPE

ENGINE AFTERTREATMENT DEVICE, AUTOMATIC OVER THE ROAD REGENERATION AND DASH MOUNTED REGENERATION REQUEST SWITCH

STANDARD EXHAUST SYSTEM LENGTH

RH STANDARD HORIZONTAL TAILPIPE

13 GALLON DIESEL EXHAUST FLUID TANK

100 PERCENT DIESEL EXHAUST FLUID FILL

LH MEDIUM DUTY STANDARD DIESEL EXHAUST FLUID TANK LOCATION

STANDARD DIESEL EXHAUST FLUID PUMP MOUNTING

STANDARD DIESEL EXHAUST FLUID TANK CAP

HORTON HT650 FRONTAL AIR ON/OFF ENGINE FAN CLUTCH

AUTOMATIC FAN CONTROL WITHOUT DASH SWITCH, NON ENGINE MOUNTED

CUMMINS SPIN ON FUEL FILTER

FULL FLOW OIL FILTER

950 SQUARE INCH ALUMINUM RADIATOR

ANTIFREEZE TO -34F, ETHYLENE GLYCOL PRE-CHARGED SCA HEAVY DUTY COOLANT

GATES BLUE STRIPE COOLANT HOSES OR EQUIVALENT

CONSTANT TENSION HOSE CLAMPS FOR COOLANT HOSES

RADIATOR DRAIN VALVE

LOWER RADIATOR GUARD

ALUMINUM FLYWHEEL HOUSING



Description

ELECTRIC GRID AIR INTAKE WARMER DELCO 12V 38MT HD STARTER WITH INTEGRATED MAGNETIC SWITCH

Transmission

ALLISON 3500 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION

Transmission Equipment

ALLISON VOCATIONAL PACKAGE 223 -AVAILABLE ON 3000/4000 PRODUCT FAMILIES WITH VOCATIONAL MODELS RDS, HS, MH AND TRV

ALLISON VOCATIONAL RATING FOR ON/OFF HIGHWAY APPLICATIONS AVAILABLE WITH ALL PRODUCT FAMILIES

PRIMARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 6, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY

SECONDARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 6, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY

VEHICLE INTERFACE WIRING AND PDM WITH BODY BUILDER CONNECTOR AT END OF FRAME

ELECTRONIC TRANSMISSION CUSTOMER ACCESS CONNECTOR FIREWALL MOUNTED

CUSTOMER INSTALLED CHELSEA 277 SERIES PTO

PTO MOUNTING, LH SIDE OF MAIN TRANSMISSION

MAGNETIC PLUGS, ENGINE DRAIN, TRANSMISSION DRAIN, AXLE(S) FILL AND DRAIN

PUSH BUTTON ELECTRONIC SHIFT CONTROL, DASH MOUNTED

TRANSMISSION PROGNOSTICS - ENABLED 2013

WATER TO OIL TRANSMISSION COOLER, IN RADIATOR END TANK

TRANSMISSION OIL CHECK AND FILL WITH ELECTRONIC OIL LEVEL CHECK

SYNTHETIC TRANSMISSION FLUID (TES-295 COMPLIANT)

Front Axle and Equipment

DETROIT DA-F-14.7-3 14,700# FF1 71.5 KPI/3.74 DROP SINGLE FRONT AXLE



Description

MERITOR 16.5X5 Q+ CAST SPIDER CAM FRONT BRAKES, DOUBLE ANCHOR, FABRICATED SHOES

NON-ASBESTOS FRONT BRAKE LINING

CONMET CAST IRON FRONT BRAKE DRUMS

FRONT BRAKE DUST SHIELDS

SKF SCOTSEAL PLUS XL FRONT OIL SEALS

VENTED FRONT HUB CAPS WITH WINDOW,

CENTER AND SIDE PLUGS - OIL

STANDARD SPINDLE NUTS FOR ALL AXLES

MERITOR AUTOMATIC FRONT SLACK

ADJUSTERS

TRW TAS-85 POWER STEERING

POWER STEERING PUMP

2 QUART SEE THROUGH POWER STEERING

RESERVOIR

SYNTHETIC 75W-90 FRONT AXLE LUBE

Front Suspension

14,600# FLAT LEAF FRONT SUSPENSION
GRAPHITE BRONZE BUSHINGS WITH SEALS FRONT SUSPENSION

Rear Axle and Equipment

RS-21-160 21,000# R-SERIES SINGLE REAR AXLE

6.14 REAR AXLE RATIO

IRON REAR AXLE CARRIER WITH STANDARD AXLE HOUSING

MXL 17T MERITOR EXTENDED LUBE MAIN DRIVELINE WITH HALF ROUND YOKES

DRIVER CONTROLLED TRACTION DIFFERENTIAL - SINGLE REAR AXLE

(1) DRIVER CONTROLLED DIFFERENTIAL LOCK REAR VALVE FOR SINGLE DRIVE AXLE

BLINKING LAMP WITH EACH MODE SWITCH, DIFFERENTIAL UNLOCK WITH IGNITION OFF, ACTIVE <5 MPH

MERITOR 16.5X7 Q+ CAST SPIDER CAM REAR BRAKES, DOUBLE ANCHOR, FABRICATED SHOES

NON-ASBESTOS REAR BRAKE LINING

BRAKE CAMS AND CHAMBERS ON FORWARD SIDE OF DRIVE AXLE(S)

CONMET CAST IRON REAR BRAKE DRUMS



Description

REAR BRAKE DUST SHIELDS

SKF SCOTSEAL PLUS XL REAR OIL SEALS

HALDEX GOLDSEAL LONGSTROKE 1-DRIVE

AXLE SPRING PARKING CHAMBERS

MERITOR AUTOMATIC REAR SLACK

ADJUSTERS

SYNTHETIC 75W-90 REAR AXLE LUBE

Rear Suspension

21,000# 52 INCH VARIABLE RATE MULTI-LEAF SPRING REAR SUSPENSION WITH LEAF

SPRING HELPER

SPRING SUSPENSION - NO AXLE SPACERS

STANDARD U-BOLT PAD

Brake System

AIR BRAKE PACKAGE

WABCO 4S/4M ABS WITHOUT TRACTION

CONTROL

REINFORCED NYLON, FABRIC BRAID AND WIRE

BRAID CHASSIS AIR LINES

FIBER BRAID PARKING BRAKE HOSE

STANDARD BRAKE SYSTEM VALVES

STANDARD AIR SYSTEM PRESSURE

PROTECTION SYSTEM

STD U.S. FRONT BRAKE VALVE

RELAY VALVE WITH 5-8 PSI CRACK PRESSURE,

NO REAR PROPORTIONING VALVE

BW AD-9 BRAKE LINE AIR DRYER WITH HEATER

AIR DRYER FRAME MOUNTED

STEEL AIR BRAKE RESERVOIRS

CLEAR FRAME RAILS FROM BACK OF CAB TO

FRONT REAR SUSPENSION BRACKET, BOTH

RAILS OUTBOARD

BW DV-2 AUTO DRAIN VALVE WITHOUT HEATER

ON ALL TANK(S)

Trailer Connections

AIR CONNECTIONS TO END OF FRAME WITH GLAD HANDS FOR TRUCK AND NO DUST COVERS

PRIMARY CONNECTOR/RECEPTACLE WIRED FOR SEPARATE STOP/TURN, CENTER PIN POWERED THROUGH IGNITION

SAE J560 7-WAY PRIMARY TRAILER CABLE RECEPTACLE MOUNTED END OF FRAME



Description

UPGRADED CHASSIS MULTIPLEXING UNIT UPGRADED BULKHEAD MULTIPLEXING UNIT

Wheelbase & Frame

5700MM (224 INCH) WHEELBASE

11/32X3-1/2X10-15/16 INCH STEEL FRAME (8.73MMX277.8MM/0.344X10.94 INCH) 120KSI

1600MM (63 INCH) REAR FRAME OVERHANG

FRAME OVERHANG RANGE: 61 INCH TO 70 INCH

CALC'D BACK OF CAB TO REAR SUSP C/L (CA): 158.45 in

CALCULATED EFFECTIVE BACK OF CAB TO REAR SUSPENSION C/L (CA): 155.45 in

CALC'D FRAME LENGTH - OVERALL: 316.39

CALC'D SPACE AVAILABLE FOR DECKPLATE: 158.45 in

CALCULATED FRAME SPACE LH SIDE: 122.95

in CALCULATED FRAME SPACE RH SIDE: 167.41

in

SQUARE END OF FRAME

FRONT CLOSING CROSSMEMBER

STANDARD WEIGHT ENGINE CROSSMEMBER

STANDARD MIDSHIP #1 CROSSMEMBER(S)

STANDARD REARMOST CROSSMEMBER

STANDARD SUSPENSION CROSSMEMBER

Chassis Equipment

THREE-PIECE 14 INCH PAINTED STEEL BUMPER WITH COLLAPSIBLE ENDS

FRONT TOW HOOKS - FRAME MOUNTED

BUMPER MOUNTING FOR SINGLE LICENSE

PLATE

BETTS B-60NT PAINTED MUDFLAP BRACKETS

WITH NO TAPE

FENDER AND FRONT OF HOOD MOUNTED

FRONT MUDFLAPS

GRADE 8 THREADED HEX HEADED FRAME

FASTENERS

Fuel Tanks

50 GALLON/189 LITER SHORT RECTANGULAR ALUMINUM FUEL TANK - LH RECTANGULAR FUEL TANK(S)



Description

PLAIN ALUMINUM/PAINTED STEEL

FUEL/HYDRAULIC TANK(S) WITH PAINTED

BANDS

FUEL TANK(S) FORWARD

PLAIN STEP FINISH

FUEL TANK CAP(S)

ALLIANCE FUEL FILTER/WATER SEPARATOR

WITH PRIMER PUMP

EQUIFLO INBOARD FUEL SYSTEM

HIGH TEMPERATURE REINFORCED NYLON

FUEL LINE

Tires

GOODYEAR G661 HSA 12R22.5 16 PLY RADIAL

FRONT TIRES (MATCH MARKED)

GOODYEAR G182 RSD 11R22.5 14 PLY RADIAL

REAR TIRES

Hubs

CONMET HIGH CAPACITY PRE-SET BEARING

ALUMINUM FRONT HUBS

CONMET PRE-SET BEARING IRON REAR HUBS

Wheels

MAXION WHEELS 90541 22.5X8.25 10-HUB PILOT

6.20 INSET 2-HAND STEEL DISC FRONT

WHEELS

MAXION WHEELS 90541 22.5X8.25 10-HUB PILOT

2-HAND STEEL DISC REAR WHEELS

FRONT WHEEL MOUNTING NUTS

REAR WHEEL MOUNTING NUTS

Cab Exterior

106 INCH BBC FLAT ROOF ALUMINUM

CONVENTIONAL CAB

AIR CAB MOUNTS

LH AND RH GRAB HANDLES

PAINTED PLASTIC GRILLE

ARGENT SILVER HOOD MOUNTED AIR INTAKE

GRILLE

FIBERGLASS HOOD

TUNNEL/FIREWALL LINER

SINGLE 14 INCH ROUND HADLEY AIR HORN

UNDER LH DECK

DUAL ELECTRIC HORNS

SINGLE HORN SHIELD



Description

DOOR LOCKS AND IGNITION SWITCH KEYED THE SAME

REAR LICENSE PLATE MOUNT END OF FRAME

INTEGRAL HEADLIGHT/MARKER ASSEMBLY

(5) AMBER MARKER LIGHTS

DAYTIME RUNNING LIGHTS

INTEGRAL STOP/TAIL/BACKUP LIGHTS

STANDARD FRONT TURN SIGNAL LAMPS

DUAL WEST COAST BRIGHT FINISH MIRRORS

DOOR MOUNTED MIRRORS

102 INCH EQUIPMENT WIDTH

LH AND RH 8 INCH BRIGHT FINISH CONVEX MIRRORS MOUNTED UNDER PRIMARY MIRRORS

STANDARD SIDE/REAR REFLECTORS

63X14 INCH TINTED REAR WINDOW

TINTED DOOR GLASS LH AND RH WITH TINTED NON-OPERATING WING WINDOWS

MANUAL DOOR WINDOW REGULATORS

TINTED WINDSHIELD

2 GALLON WINDSHIELD WASHER RESERVOIR WITHOUT FLUID LEVEL INDICATOR, FRAME MOUNTED

Cab Interior

OPAL GRAY VINYL INTERIOR

MOLDED PLASTIC DOOR PANEL

MOLDED PLASTIC DOOR PANEL

BLACK MATS WITH SINGLE INSULATION

FORWARD ROOF MOUNTED CONSOLE WITH UPPER STORAGE COMPARTMENTS WITHOUT NETTING

IN DASH STORAGE BIN

(2) CUP HOLDERS LH AND RH DASH

GRAY/CHARCOAL FLAT DASH

HEATER, DEFROSTER AND AIR CONDITIONER

STANDARD HVAC DUCTING

MAIN HVAC CONTROLS WITH RECIRCULATION

SWITCH

STANDARD HEATER PLUMBING

DENSO HEAVY DUTY AIR CONDITIONER

COMPRESSOR

BINARY CONTROL, R-134A



Description

STANDARD INSULATION

SOLID-STATE CIRCUIT PROTECTION AND FUSES

12V NEGATIVE GROUND ELECTRICAL SYSTEM

DOME LIGHT WITH 3-WAY SWITCH ACTIVATED BY LH AND RH DOORS

CAB DOOR LATCHES WITH MANUAL DOOR LOCKS

(1) 12 VOLT POWER SUPPLY IN DASH

BASIC HIGH BACK NON SUSPENSION DRIVER SEAT WITH FORE AND AFT ADJUSTMENT

2 MAN TOOL BOX MID BACK NON SUSPENSION PASSENGER SEAT

LH AND RH INTEGRAL DOOR PANEL ARMRESTS

VINYL WITH VINYL INSERT DRIVER SEAT

VINYL WITH VINYL INSERT PASSENGER SEAT

3 POINT DRIVER AND PASSENGER AND 2 POINT CENTER FRONT SEAT BELT RETRACTORS

FIXED STEERING COLUMN

4-SPOKE 18 INCH (450MM) STEERING WHEEL

DRIVER AND PASSENGER INTERIOR SUN VISORS

Instruments & Controls

GRAY DRIVER INSTRUMENT PANEL

GRAY CENTER INSTRUMENT PANEL

ENGINE REMOTE INTERFACE WITH PARK BRAKE AND NEUTRAL INTERLOCKS

BLACK GAUGE BEZELS

LOW AIR PRESSURE LIGHT AND BUZZER

2 INCH PRIMARY AND SECONDARY AIR PRESSURE GAUGES

INTAKE MOUNTED AIR RESTRICTION INDICATOR WITHOUT GRADUATIONS

ELECTRONIC CRUISE CONTROL WITH SWITCHES IN LH SWITCH PANEL

KEY OPERATED IGNITION SWITCH AND INTEGRAL START POSITION; 4 POSITION OFF/RUN/START/ACCESSORY

ODOMETER/TRIP/HOUR/DIAGNOSTIC/VOLTAGE DISPLAY: 1X7 CHARACTER, 26 WARNING LAMPS, DATA LINKED, ICU3

DIAGNOSTIC INTERFACE CONNECTOR, 9 PIN, SAE J1939, LOCATED BELOW DASH

2 INCH ELECTRIC FUEL GAUGE



Description

ENGINE REMOTE INTERFACE NOT CONFIGURED

ENGINE REMOTE INTERFACE CONNECTOR IN ENGINE COMPARTMENT

ELECTRICAL ENGINE COOLANT TEMPERATURE GAUGE

TRANSMISSION OIL TEMPERATURE INDICATOR LIGHT

ENGINE AND TRIP HOUR METERS INTEGRAL WITHIN DRIVER DISPLAY

(1) DASH MOUNTED PTO SWITCH WITH INDICATOR LAMP

ELECTRIC ENGINE OIL PRESSURE GAUGE

AM/FM/WB RADIO WITH FRONT AUXILIARY INPUT

DASH MOUNTED RADIO

(2) RADIO SPEAKERS IN CAB

AM/FM ANTENNA MOUNTED ON FORWARD LH ROOF

ELECTRONIC MPH SPEEDOMETER WITH SECONDARY KPH SCALE, WITHOUT ODOMETER

STANDARD VEHICLE SPEED SENSOR

ELECTRONIC 3000 RPM TACHOMETER

IDLE LIMITER, ELECTRONIC ENGINE

FOUR ON/OFF ROCKER SWITCHES IN THE DASH WITH INDICATOR LIGHTS AND WIRE ROUTED TO CHASSIS AT BACK OF CAB, LABEL OPT

BW TRACTOR PROTECTION VALVE

TRAILER HAND CONTROL BRAKE VALVE

DIGITAL VOLTAGE DISPLAY INTEGRAL WITH DRIVER DISPLAY

SINGLE ELECTRIC WINDSHIELD WIPER MOTOR WITH DELAY

MARKER LIGHT SWITCH INTEGRAL WITH HEADLIGHT SWITCH

TWO VALVE PARKING BRAKE SYSTEM WITH WARNING INDICATOR

SELF CANCELING TURN SIGNAL SWITCH WITH DIMMER, WASHERWIPER AND HAZARD IN HANDLE

INTEGRAL ELECTRONIC TURN SIGNAL FLASHER WITH HAZARD LAMPS OVERRIDING STOP LAMPS



Description

Design	
	PAINT: ONE SOLID COLOR
Color	
	CAB COLOR A: N0006EA WHITE ELITE SS
	BLACK, HIGH SOLIDS POLYURETHANE CHASSIS PAINT
	MAXION WHEELS W POWDER WHITE (N0006EA) FRONT WHEELS/RIMS
	MAXION WHEELS W POWDER WHITE (N0006EA) REAR WHEELS/RIMS
	BUMPER PAINT: FP24812 ARGENT SILVER DUPONT FLEX
Certification /	Compliance

U.S. FMVSS CERTIFICATION, EXCEPT SALES CABS AND GLIDER KITS

Extended Warranty

Dealer Installed Options

TOWING EXTENDED/ROADSIDE SERVICE WARRANTY, 1 YEAR/UNLIMITED MILES/KM, \$550 CAP

Weight Weight Front Rear TEREX HI-RANGER TL 50 PER ATTACHED 0 0 SPECS MOUNTED AND DELIVERED

Total Dealer Installed Options 0 lbs 0 lbs







Page 1 of 14

Ring Power Corporation 500 World Commerce Parkway St. Augustine, FL 32092 Andrew Kurz Cell – (305) 323-6427

STATE CONTRACT

6/02/2014

City of Venice 221 S. Seaboard Avenue Venice, FL 34285

Attention: Chuck Speake

Phone: (941) 486-2422 EXT. 30026

Qty. Description

AERIAL DEVICE (off of FSA Contract) LOU BACHRODT FREIGHTLINER SPEC 11 13-11-0904 FLORIDA SHERIFFS CONTRACT M2 106

One (1) New Terex Hi-Ranger TL50 Articulating / Telescoping Aerial Device providing a working height of 54.6 ft (16.6 m) and a side reach of 36.0 ft (11.0 m) with a side mount platform or a working height of 54.6 ft (16.6 m) and a side reach of 36.0 ft (11.0 m) with an end mount platform. Unit will be mounted behind the cab.

Design Criteria:

* Design criteria is in accordance with current industry and engineering standards applicable and accepted for structural and hydraulic design.

Platform Leveling:

- * Leveling is provided by a master/slave cylinder system.
- * A control a both the upper and lower control is provided.

Upper Controls:

- * "Control-Plus" single stick controller
- * Non-metallic control handle
 - * Dielectrically tested for limited secondary protection between the valve and handle.
 - * May provide limited secondary protection for operator depending on condition and cleanliness.
 - * Not rated for electrical protection, although it may provide limited secondary protection.
- * Not intended to replace safe work practices or primary protection such as cover-up and personal protection equipment.
- * Enable lever must be actuated before operation.
- * Controls upper boom lift, boom extension and rotation.

Lower Control:

- * Individual control levers are located in an accessible location on the turntable.
- * The lower controls activate boom lift, boom extension, platform leveling, and rotation.
- * An upper/lower control selector provides override of platform controls, along with an emergency stop.

Lower Boom:

* Constructed of high strength, rectangular steel tube with a rectangular bi-axial epoxy resin filament

, t

wound, high strength fiberglass insert providing an insulation gap of 16 inches.

* The lower boom articulation is from 0 to 87 degrees.

Upper Boom:

- * Aerial device upper boom is constructed of high strength steel.
- * The upper boom has an articulation of -40 to 75 degrees (Platform to reach the ground).
- * A boom rest with a cam style tie down strap is provided.

Second Section Boom:

- * The second section boom is constructed of high strength filament wound fiberglass.
- * Extension of the second section is accomplished by a hydraulic cylinder.
- * The upper boom has a total insulation gap of 20 inches retracted and 64 inches extended for end mount platform.
- * (Note: Side mount platform will be reduced by 12 inches.)
- * Tapered non-metallic rollers mounted at the end of the second section boom support the fiberglass boom under load minimizing scratches and abrasions. The sides of the fiberglass boom are supported and guided by non-metallic rollers to reduce tracking.

Lower Boom Cylinder:

* Single, threaded end gland design, double acting hydraulic lift cylinder equipped with integral holding valves.

Upper Boom Cylinder:

* A double acting hydraulic lift cylinder equipped with integral holding valve is provided.

Extension Cylinder:

- * The boom cylinder is of threaded end gland design.
- * The cylinder is equipped with integral holding valves to prevent creep and hold the boom is position in the event of hose failure.

Engine Throttle Control:

- * A two speed engine throttle control is provided at the upper controls.
- * The engine will advance to a pre-set speed when engaged and decrease to idle when disengaged.

Boom Interlock:

* To operate the boom the outriggers must be extended.

Pedestal:

- * Square constructed pedestal is of welded high strength steel construction and designed with access holes for maintenance of hydraulic plumbing.
- * The pedestal top plate and turntable base plate are machined from a single piece of thick plate.

Turntable:

- * The turntable is constructed of side plates with an offset configuration to provide maximum strength.
- * The steel bottom plate has provisions for attaching the outer race of the rotation bearing.

Continuous Unrestricted Rotation:

- * A hydraulic rotary manifold provides a rotating oil distribution system for continuous and unrestricted rotation.
- * One 3/8 inch hydraulic port is available for options.
- * Self-locking worm gear rotation drive is provided and equipped with bi-directional motor.

- * A 7/8 inch external hex shaft allows for manual rotation.
- * A minimum 4-channel electric collector ring is provided.

Rotation Bearing:

- * The rotation bearing is a heavy-duty "shear ball" bearing with external gear teeth utilizing polished alloy steel balls.
- * Both the inner and outer races are made from high-strength alloy steel and are heat treated to provide maximum life.
- * High strength grade 8 bolts attach the inner and outer races to the pedestal and turntable.

ANSI Rating:

* Aerial device is designed as a Category C machine and is dielectrically tested and rated for operation up to 46,000 volts AC per ANSI/SIA A92.2-2009.

Hydraulic System:

- * Full pressure, open center hydraulic system.
- * A 20 gallon hydraulic oil reservoir is built into the pedestal and is provided with a 60 mesh filler screen, baffles, 100 mesh suction screen with bypass, clean out access hole, dip stick and shut off valve.
- * A spin on type 10 micron return line filter is provided.
- * A relief is also provided.
- * Hydraulic hoses are equipped with permanent type fittings.

Miscellaneous:

- * All metallic components of the complete aerial device are prime painted.
- * The fiberglass upper boom, boom inserts, platforms, and covers are white.
- * Two complete manuals providing operation and maintenance procedures, and a replacement parts listing.
- * Warning decals provided with unit.
- 1 Pedestal with 20 Gallon Internal Tank.
- 1 Platform 24" x 48" x 42":
 - * One curbside mounted fiberglass platform with a rated capacity up to 600-lbs. with restrictions
 - * Includes one outside access step with slip-resistant surface.
 - * Two safety harnesses with lanyards.
- 1 Insulated Platform Liner For 24" x 48" x 42" Platform:
 - * Tested at 50 KV AC.
- 1 Vinyl Platform Cover For 24" x 48" Platform:
 - * Waterproof with internal elastic cord around edge.
- 1 Dual Hydraulic Tool Outlets At Platform With Flow Control:
 - * Installed at the platform to accommodate two open center hydraulic tools.
 - * Provides 5 GPM at 2250 psi at engine idle.
- 1 Auxiliary Let Down for use with Open Center Hydraulics:
 - * Allows for the descent of the boom (platform) in the most direct manner for a time limited by the duty cycle of the electric motor.
 - *Includes 12 volt electric motor for use on a 12 volt chassis.

Note: This includes a switch for activation at pedestal for electric or air function.

- 1 Upper Controls: (In lieu of standard 3-function control)
 - * "Control-Plus" single stick controller (4-function)
 - * Non-metallic control handle
 - * Dielectrically tested for limited secondary protection between the valve and handle.
 - * May provide limited secondary protection for operator depending on condition and cleanliness.
 - * Not rated for electrical protection, although it may provide limited secondary protection.
 - * Not intended to replace safe work practices or primary protection such as cover-up and personal protection equipment.
 - * Enable lever must be actuated before operation.
 - * Controls lower boom lift, upper boom lift, boom extension and rotation.
 - ** NOTE: Will not work on a closed center system.
- 1 Hydraulic Platform Rotator:
 - * For end mount platform.
 - * Allows 180-degrees hydraulic rotation and is controlled at the upper controls.
- 1 Insulated Engine Stop / Start:
 - * Controlled from platform
- 1 Platform Rest Saddle with a padded rest.
 - * Provides platform support during road travel
- 1 Terex Chassis Controller (DTS51) 12 volt:
 - *Display Screen Provides Inputs and Outputs indication for trouble shooting.
 - *Warning screens.
 - *Switch Buttons have LED indicators to show when active.
 - *Recommended for all Class 6 and above Chassis types.
 - *One system for all Chassis Types
 - *Controller programmable for communication with different Chassis manufacturers.
- Top mount, Removable 1000 lb. Jib/Winch with Platform Rotation
 - * Levels with platform.
 - * Rotates with the platform.
 - * Hydraulic articulation from 0 to 90 degrees.
 - * 54"" load radius from the platform shaft.
 - * Hydraulic extension 16".
 - * Jibw/winch is removable and comes with ship loose socket to store the jib/winch when removed.
 - * Maximum jib capacity of 1000 lb.
 - * Includes up to 75' of 3/8" winch rope and hook.
- 1 Subframe for 120" CA chassis.
 - * Subframe constructed for non-possum belly application.
 - * Subframe is 170.00" long
 - * Constructed with 6" x 6" x 1/4" wall square tubing with 5/16" thick steel plate.
- 1 Tie down kit for two set of outriggers for TL Models.
- 1 Heavy Duty A-frame Outriggers:
 - * Hydraulic double acting outriggers including integral holding valves.
 - * 145.5" Spread pin to pin and 157.4" to outside of pads at 8.8" penetration and 40" frame height.

- * 13" x 12" Swivel type stabilizer pads.
- 1 Under slung Modified A-frame Outriggers:
 - * Hydraulic double acting outriggers including integral holding valves.
- 1 Controls For 2-Sets Of Outriggers And Auxiliary Tool Outlets (Open center systems):
 - * Recessed at rear of truck each side for ease of view for outrigger placement.
 - * Includes switches and alarm for outrigger in motion alarm.
- 1 Boom Stow Interlock In Addition to be used with Standard Boom Interlock:
 - * To operate the outriggers the boom must be in the stowed position and to operate the boom the outriggers must be extended.
- 1 Pump for systems requiring 11 gallons per minute:

*Fixed displacement vane pump providing 5 gallons per minute at 725 engine rpm and 8 gallons per minute at 1050 engine rpm with a 103% pto.

Changes to FSA Spec per Customer Spec

* Upgrade: Extra HD Outriggers

Price: \$621.00

* Downgrade: Outrigger controls w/o tool outlets

Price: -\$150.00

* Delete: Tool Outlets at platform

Price: -\$605.00

* Delete: 180 degree Rotator

Price: -\$947.00

* Delete: Delete Jib/Winch

Price: -\$8,093.00

* Delete: Boom Stow Interlock

Price: -\$304.00

4.7

UTILITY BODY (As Quoted on the FSA Spec for TL50)

168 inches long x 46 inches high x 94 inches wide Chassis cab to axle (CA) of 120 inches with dual rear wheel axle.

Body Dimensions:

46 Inches - Compartment height

18 Inches - Compartment depth

58 Inches - Load space width

28 Inches - Top of body to the top of the floor

24 Inches - Horizontal compartment height

4 Inches - Wheel well box height

Body Materials:

16 gauge galvanneal. - Main body material

12 gauge hot rolled treadplate compartment tops with 45 degree drip edge.

18 gauge galvanneal - Inner door panels

18 gauge galvanneal - Outer door panels

- 5/16" Stainless Steel continuous rod - Door Hinge Rod.

- Stainless Steel - Door Hinge Sockets.

14 gauge galvanneal - Wheel Panels

14 gauge galvanneal - Front bulkhead

18 gauge galvanized - Shelving & dividers.

Subframe Installation:

- Install customer supplied subframe, with outriggers attached, to body (include tie down kit if necessary).

Body Floor and Understructure:

- Cut out in bed area floor for customer supplied aerial/digger
- 12 gauge hot rolled treadplate Floor
- 6 Inch structural steel channel full frame.

Accessories:

- Automotive rotary type door latches.
- Chain stops on all doors.
- Rubber rolled crown type fenders.
- Automotive Bulb Type Weatherstripping.
- Master door lock system.

Paint:

- Prime Paint Complete (Sherwin Williams E2A933) 2 to 3 mil. Dry

Streetside Compartmentation

1st Vertical:

30" Wide x 46" High x 18" Deep

- Five (5) 3/8" round stock fixed material hooks 1-3-1.

2nd Vertical:

30" Wide x 46" High x 18" Deep

- Two (2) adjustable shelves each with Five (5) adjustable dividers

3rd Vertical:

30" Wide x 46" High x 18" Deep

- Two (2) adjustable shelves each with Five (5) adjustable dividers

Horizontal Compartment:

54" Wide x 24" High x 18" Deep

- Eight (8) adjustable dividers installed on compartment bottom

Rear Vertical:

24" Wide x 46" High x 18" Deep

- Five (5) 3/8" round stock fixed material hooks 1-3-1.

Hotstick Shelf:

168 Inch long shelf installed on the streetside with a rear dropdown access door.

- Automotive rotary type door latches.
- Automotive Bulb Type Weatherstripping.

Curbside Compartmentation

1st Vertical:

30" Wide x 46" High x 18" Deep

- Five (5) 3/8" round stock fixed material hooks 1-3-1.

Curb Side Access 30" Wide

Gripstrut access steps to bed area with

12 gauge galvanneal risers and side kickplates.

Two (2) grabhandles at the side access of the body.

One (1) cable type access step under the side access steps.

3rd Vertical:

30" Wide x 46" High x 18" Deep

- Two (2) adjustable shelves each with Five (5) adjustable dividers

Horizontal Compartment:

54" Wide x 24" High x 18" Deep

- One (1) adjustable shelf with Eight (8) adjustable dividers

Rear Vertical:

24" Wide x 46" High x 18" Deep

- Five (5) 3/8" round stock fixed material hooks 1-3-1.

Tailshelf:

- 12 Ga. treadplate tailshelf 30 inches long X 94 inches wide x 6 inches high with smooth sides. 6 Inch structural steel channel full frame.

Tailshelf Rear Lighting:

- 94" Wide 7-Lamp light bar installed at rear of tailshelf
- Rubber mounted recessed rear lighting kit with harness Installed

- Two (2) stop/tail/turn lights Peterson Brand M-426-R Incandescent
- Two (2) clear back up lights Peterson Brand M-415 Incandescent
- Two (2) front clearance lights reflector style- Peterson Brand M-143-A Incandescent
- 8 foot wire coil in front compartment.
- Two (2) side clearance lights reflector style- Peterson Brand M-143-R Incandescent
- Two (2) rear clearance lights reflector style Peterson Brand M-143-R Incandescent
- Three (3) light center cluster reflector style- Peterson Brand M-143-R Incandescent
- 7-Lamp light wiring harness.

Wheel Chock Storage:

- Two (2) built into body fender panel on streetside and curbside.

Upgrade: N/A

Price:

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INSTALLATION AND ACCESSORIES (As Quoted on the FSA Spec for TC55)

- 1 Install Aerial Device Behind Cab And Install All Associated Components:
 - * Final test and inspect completed unit including stability and dielectric testing per manufacturers requirements and ANSI/SIA A92.2-2009.
- 1 Hose and fittings to connect the hydraulic system from the oil reservoir to the pump and unit.
- 1 Platform rest, bottom base
- 1 DOT Inspection.
- 1 Set chassis parameters.
- 1 Power take off with indicator light for automatic transmission.
- 1 Back-up alarm to sound when the vehicle is shifted into reverse.
- 4 Laminated wood outrigger pad 24" x 24" x 2-1/4" with rope handle.
 - * Includes outrigger pad storage.
- 4 Rubber wheel chocks with eye bolt.
- 2 Cable type gripstrut stirrup step.
- 1 Rigid stirrup step mounted on side access for ground to body access.
- 1 Access step mounted on floor of the body to access the top of body compartment.
- 1 Access steps to platform from top of body or flatbed floor.
- 4 Grab Handles
- One pair of mud flaps with logo 30" tall.
 Note: Trim As-Required.
- 1 Bracket for storing grounding cable.
- 1 2/0 Black Electrical Cable used for grounding per ASTM F855-04:
 - * 50' of multi-strand flexible copper cable, three grounding lugs, two ferrules and grounding clamp.
 - * Three point grounding system for grounding vehicle during work operations.
 - * Cable must be fully removed from bracket before use.

NOTE! Purchaser to verify this meets their company's requirements for fault current.

- Boom rest for Aerial, H-frame style weldment used on A-frame, Radials or Out/Down outriggers, 36" wide.
- 1 Lighted license plate bracket kit.
 - * Light is incandescent.

Qty.	Description
2	Preco 4242A amber strobe light with 4" tall & 6" dia. lens, and Preco BG4240 branch guard
2	Strobe mounting bracket weldment.
1	Remote engine stop / start from rear of vehicle.
1	15 ton pintle hook: * Safety chain eyes. * Chassis frame reinforcements.
1	Front Mounted Winch With Cone Holder
1	Horizontal Ladder Rack * Located on Street side on Body
1	Rubber Blanket Box
1	Rope Rail
1	Bench Vise * Mounted to Tail Shelf
1	Bumper Sticks * Steel
1	Chainsaw Box
1	Wire Reel Holder
2	LED Strobe Lights * Mounted on Boom Rest
1	Flood Lights
1	LED Lights in Cabinets
1	Wireless Spot Light * Go Light
1	LED Lights Front and Rear
1	LED Traffic Advisor
1	1800 Watt Power Inverter
1	Grab Handles, Steps and Stair Painted Red
1	Paint line body one color *Note - Paint under carriage black.

Qty.

Qty. Description
1 Paint TC aerial device one color.
1 Paint body floor with non-skid paint.
1 Paint compartment top with non-skid paint.

1 ICC rear bumper.

1 7-prong trailer socket.

Safety Kit consists of the following:*5-lb ABC fire extinguisher with bracket.*James King triangle reflector kit.

Changes to FSA Install Spec per Customer Spec

* Delete: Bumper Sticks

Price: \$85.00

* Delete: Wire Reel Holders

Price: \$568

Delete Front Mounted Winch With Cone Holder

Price: \$11,364.00

Delete Horizontal Ladder RackLocated on Street side on Body

Price: \$1,705.00

Delete Rubber Blanket Box

Price: \$568.00

* Delete Rope Rail: Price: \$568.00

Delete Bench ViseMounted to Tail Shelf

Price: \$1,705

* Delete Chainsaw Box

Price: \$568.00

* Delete Flood Lights Price: \$455.00

Delete LED Lights in Cabinets

Price: \$1,136.00

* Delete Wireless Spot Light

* Go Light Price: \$909.00

Description Qty.

Delete 1800 Watt Power Inverter

Price: \$2,273.00

Delete Grab Handles, Steps and Stair Painted Red

Price: \$1,136.00

CHASSIS

Reccomended:

4X2

250HP+ Engine

Automatic Transmission

35,000lbs GVWR

14,000lbs Front Axle

21,000lbs Rear Axle (minimum)

Be

\$162,500.00	Beginning Price on FSA Contract for a TL50 Unit, Body and Install
\$621.00	Total Upgrades:
-\$33,139.00	Total Downgrades/Deletions:
\$129,982.00	SUGGESTED SALE PRICE INCLUDING ALL ADJUSTMENTS:
-\$7,752.00 \$122,230.00	DISCOUNT TO CITY OF VENICE TOTAL BODY PRICE

Simplified, Compact Hydraulic Extend Under Load Jib and Winch:

- * Infinite positioning through the 120-degree articulation envelope.
- * Load radius of 0 to 65"
- * Hydraulic Extension to reposition the jib (no re-pinning required).
- * The jib's compact size barely goes below the bottom of the platform
- * Includes a 2000 lb. full drum capacity self-locking worm gear winch complete with up to 75 ft. of 1/2 inch load line with swivel hook and latch, and a load chart.
- * Includes heavy duty jib.

Notes:

- 1. Prices are FOB St. Augustine Fl.
- 2. Prices exclude any applicable taxes or license fees.
- 3. If Federal Excise Tax has not been included, you could still responsible unless a current exemption/resale certificate must be on file or provided with purchase order for tax exempt sale. Federal Excise Tax will be added if certificate is not supplied with order.
- 4. Terms: Net 30 days with pre-approved credit.
- 5. Chassis pricing is based upon current model year production availability. Any Federal mandated costs, such as 2010 emission requirements, will be passed on at cost.
- 6. Chassis payment is due upon chassis receipt at our facility.
- 7. Quotation good for 30 days. Contact us for a possible extension if required.
- 8. It is vital that we build your new unit(s) to the specifications and approved drawings as required to meet your expectations. Once the final drawings are approved and the unit(s) are in production, any changes made will result in delays and cost not only to Terex Utilities, Inc. but to you our customer. Please avoid or minimize any changes possible during our production process. Note: change orders will be billed at our "Premium Rates".
- 9. The following items must be considered by the purchaser if not already included: Back-up Alarm \$150.00; Strobe Light \$525.00; Wheel Chocks \$110.00; Outrigger Pads \$200.00 to \$650.00 (based on pad size & type); Truck Grounding Cable \$550.00; Barricade Kit \$895.00; Hydraulic Over Load Protection (derrick only, price will vary based on final option selection); Boom / Boom Stow Interlock \$700.00; Engine Stop / Start \$200.00 to \$795.00 (based on unit model); Auxiliary Let Down \$1500.00; and Platform Liner \$380.00 to \$625.00 (based on platform size).
- 10. Delivery from receipt of order shall generally be 180-240 days, provided, that (1) the chassis is received by Seller a minimum of 90 days prior to scheduled delivery, (2) drawings are sent timely and the approved drawings are returned to Seller by requested date and (3) vendor supplied chassis are order timely and suppliers delivery schedules will meet the customers delivery date or customer supplied accessories are received by Seller by the date necessary to comply with scheduled delivery. Terex Utilities, Inc. makes every effort to meet the delivery commitments we provide to our customers. Unfortunately, if a chassis manufacturer fails to deliver the bare chassis to our plant for the installation of our equipment, we cannot deliver a finished product to you, our customer. Recent inconsistencies by some chassis manufacturers have forced us to include this disclaimer in every bid. If a chassis manufacturer halts or delays production for any reason, Terex Utilities, Inc. cannot be held responsible.
- 11. Chassis requires clean frame rails, side and top. Relocation of chassis components, to facilitate equipment installation, will be in addition to above quoted price.
- 12. Trade-in conditions:
 - a. Trade-in becomes a part of this contract with acceptance of this quotation unless otherwise agreed.
 - b. Trade-in shall be maintained in a condition consistent with that at time of bid. Normal wear and tear is expected. Vehicle must meet all DOT requirements at time of delivery including but not limited to: tires, brakes, lighting, glass, etc.
 - c. All accessories shall remain with unit unless agreed upon at time of evaluation.
 - d. Trade-in, title and unit operation, maintenance, and parts manual shall be transferred at time of new unit delivery.
 - e. We reserve the right to adjust our trade-in allowance if these conditions are not met.
 - f. You hereby warrant to Terex that: (a) You have the right, power, and authority to sell the trade-in; (b) the trade-in is free and clear of all liens, encumbrances, and any claims of third parties;
 - (c) good title to the trade-in will pass to Terex; and (d) all information you have provided related to the trade-in is true and correct.
- 13. Terex South Dakota, Inc. is ISO 9001:2000 Certified.

	Accepted By:
A 4 BH	PO Number:
Account Manager – Andrew Kurz	Date:

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