



AGENDA ITEM EXECUTIVE SUMMARY

Title:	Recommendation to Approve a Resolution Authorizing the Mayor and the City Clerk of the City of St. Charles to Approve the Award of a 2017 Freightliner 114SD 6x4 66k Chassis, with Sewer Cleaning Equipment, to E J Equipment, Inc., and Approve Trade In of Replaced 2012 Vactor 2112 Vehicle #1859
Presenter:	Mike Shortall

Please check appropriate box:

X	Government Operations (3/21/16)		Government Services
	Planning & Development		City Council
	Public Hearing		

Estimated Cost:	\$419,188	Budgeted:	YES	X	NO	
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If NO, please explain how item will be funded:

Executive Summary:

We are seeking approval to purchase a new 2017 Freightliner 114SD 6x4 66k Chassis, for use by the Public Works Department's Sewer staff. Two quotes for a 2017 Freightliner 114D Chassis were taken, each to install sewer cleaning equipment on the chassis. E J Equipment, Inc., was taken through Suburban Purchasing [SP] Cooperative and Standard Equipment Company was taken through NJPA Joint Purchasing Program. We would like to award the local service and lower \$419,188 quote to E J Equipment, Inc. This quote also includes no cost add-ons that Standard would have charged for. This vehicle was budgeted and approved in the 2015/16 budget year and approved by the City Fleet Committee.

Standard Equipment Company, NJPA Joint Purchasing Program	\$421,319
E J Equipment, Inc., SP Cooperative Local vendor	419,188

We are also seeking approval to trade-in the replaced 2012 Vactor 2112, Vehicle #1859.

Attachments: (please list)

Quotes and Resolution

Recommendation / Suggested Action (briefly explain):

Recommendation to approve a Resolution Authorizing the Mayor and the City Clerk of the City of St. Charles to Approve the Award of a 2017 Freightliner 114SD 6x4 66k Chassis, With Sewer Cleaning Equipment, to E J Equipment, Inc., and Approve Trade-in of Replaced 2012 Vactor 2112 ,Vehicle #1859.

For office use only: Agenda Item Number: 5f

City of St. Charles, Illinois
Resolution No. _____

**A Resolution Authorizing the Mayor and the City Clerk of the City of
St. Charles to Approve the Award of a 2017 Freightliner 114SD 6x4 66k
Chassis, With Sewer Cleaning Equipment, to E J Equipment, Inc., and
Approve Trade-In of Replaced 2012 Vactor 2112, Vehicle #1859**

**Presented & Passed by the
City Council on _____, 2016**

BE IT RESOLVED by the Mayor and City Council of the City of St. Charles, Kane and DuPage Counties, Illinois, that the Mayor and City Clerk be and the same are hereby authorized to approve the Award of a 2017 Freightliner 114SD 6x4 66k Chassis, With Sewer Cleaning Equipment, to E J Equipment, Inc., in the amount of \$272,688, and approve trade-in of replaced 2012 Vactor 2112 ,Vehicle #1859 in the amount of \$146,500.

PRESENTED to the City Council of the City of St. Charles, Illinois,
this _____ day of March, 2016

PASSED by the City Council of the City of St. Charles, Illinois this _____ day of
March, 2016

APPROVED by the Mayor of the City of St. Charles, Illinois, this _____ day of
March, 2016

Raymond P. Rogina, Mayor

ATTEST:

City Clerk

COUNCIL VOTE:

Ayes:

Nays:

Absent:

Abstain:

E J EQUIPMENT, INC.
 PO Box 665 • 6949 N. 3000 E. Rd.
 Manteno, IL 60950
 PH: (815) 468-0250 • Fax: (815) 468-8055
 www.ejequipment.com



Ship To: SAME AS BELOW

Branch 01 - CENTRAL		
Date 02/26/2016	Time 13:55:00 (O)	Page 1
Account No. STCHA004	Phone No. 6303774486	Estimate No. Q00142
Ship Via	Purchase Order	
ERIC LESAGE		Salesperson S23

Invoice To: CITY OF ST. CHARLES
 2 E MAIN STREET
 ST. CHARLES IL 60174

Attention: DAVE TODD

EQUIPMENT ESTIMATE - NOT AN INVOICE

Description	** Q U O T E **	QUOTE VALID: 03/03/2016	Amount
VAC-CON V312LHA/1500 COMBINATION SEWER CLEANER AS SPECIFIED			419188.00

Trade Ins
 =====

2009 VACTOR
 Serial #: N/A

Trade In Total: 146500.00-

Subtotal: 272688.00

Quote Total: 272688.00

Authorization: _____

X

Received By

Prepared for:
EJ Equipment --Suburban
Purchasing Cooperative
6949 N. 3000 East Road
Manteno, IL 60950
Phone: 815-468-0250

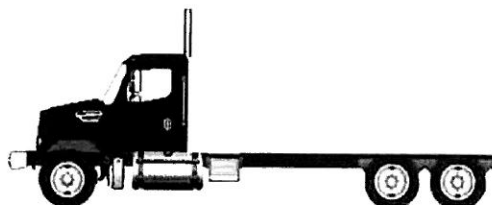
Prepared by:
Duane Schaefer
TRANSCHICAGO TRUCK
GROUP
776 N. YORK ROAD
ELMHURST, IL 60126
Phone: 630-279-0600 ext 609
E-Mail:
duaneschaefer@transchicago.com

A proposal for
EJ Equipment --Suburban Purchasing Cooperative
For St Charles
Customer Draft # 5

Prepared by
TRANSCHICAGO TRUCK GROUP
Duane Schaefer

Feb 03, 2016

Freightliner 114SD



Components shown may not reflect all spec'd options and are not to scale

Application Version 8.9.003
Data Version PRL-14D.014
15 NOV 114SD DD13 St Charles



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Freightliner reserves the right to change specifications, prices, and weights, without notice.

Prepared for:
EJ Equipment --Suburban
Purchasing Cooperative
6949 N. 3000 East Road
Manteno, IL 60950
Phone: 815-468-0250

Prepared by:
Duane Schaefer
TRANSCHICAGO TRUCK
GROUP
776 N. YORK ROAD
ELMHURST, IL 60126
Phone: 630-279-0600 ext 609
E-Mail:
duaneschaefer@transchicago.com

SPECIFICATION PROPOSAL

	Description
Price Level	
	SD PRL-14D (EFF:10/05/15)
Data Version	
	SPECPRO21 DATA RELEASE VER 014
Vehicle Configuration	
	114SD CONVENTIONAL CHASSIS 2017 MODEL YEAR SPECIFIED SET FORWARD AXLE - TRUCK STRAIGHT TRUCK PROVISION LH PRIMARY STEERING LOCATION
General Service	
	TRUCK CONFIGURATION DOMICILED, USA (EXCLUDING CALIFORNIA AND CARB OPT-IN STATES) UTILITY/REPAIR/MAINTENANCE SERVICE GOVERNMENT BUSINESS SEGMENT LIQUID BULK COMMODITY TERRAIN/DUTY: 100% (ALL) OF THE TIME, IN TRANSIT, IS SPENT ON PAVED ROADS MAXIMUM 8% EXPECTED GRADE SMOOTH CONCRETE OR ASPHALT PAVEMENT - MOST SEVERE IN-TRANSIT (BETWEEN SITES) ROAD SURFACE FREIGHTLINER LEVEL II WARRANTY EXPECTED FRONT AXLE(S) LOAD : 20000.0 lbs EXPECTED REAR DRIVE AXLE(S) LOAD : 46000.0 lbs EXPECTED GROSS VEHICLE WEIGHT CAPACITY : 66000.0 lbs
Truck Service	

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EJ Equipment --Suburban
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6949 N. 3000 East Road
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Phone: 815-468-0250

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Description	
SEWER/INDUSTRIAL VACUUM BODY	
DETROIT DD13 12.8L 410 HP @ 1625 RPM, 1900 GOV RPM, 1550 LB/FT @ 975 RPM	Engine
62 MPH ROAD SPEED LIMIT CRUISE CONTROL SPEED LIMIT SAME AS ROAD SPEED LIMIT 5 MINUTES IDLE SHUTDOWN WITH CLUTCH AND SERVICE BRAKE OVERRIDE PTO MODE ENGINE RPM LIMIT - 1100 RPM PTO MODE BRAKE OVERRIDE - SERVICE BRAKE APPLIED 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 TWO REMOTE PTO SPEEDS REMOTE PTO SPEED 1 SETTING - 1000 RPM REMOTE PTO SPEED 2 SETTING - 900 RPM SOFT CRUISE CONTROL ENABLED PTO MINIMUM RPM - 700	Electronic Parameters
2016 ONBOARD DIAGNOSTICS/2010 EPA/CARB/GHG17 2008 CARB EMISSION CERTIFICATION - CLEAN IDLE (INCLUDES 6X4 INCH LABEL ON LOWER FORWARD CORNER OF DRIVER DOOR) NO 2013 ENGINE ESCALATOR STANDARD OIL PAN ENGINE MOUNTED OIL CHECK AND FILL SIDE OF HOOD AIR INTAKE WITH FIREWALL MOUNTED DONALDSON AIR CLEANER WITH SAFETY ELEMENT AND PASSIVE PRECLEANER DR 12V 160 AMP 28-SI QUADRAMOUNT PAD ALTERNATOR WITH REMOTE BATTERY VOLT SENSE	Engine Equipment



Prepared for:
EJ Equipment --Suburban
Purchasing Cooperative
6949 N. 3000 East Road
Manteno, IL 60950
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776 N. YORK ROAD
ELMHURST, IL 60126
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Description

(3) ALLIANCE MODEL 1231, GROUP 31, 12 VOLT
MAINTENANCE FREE 3375 CCA THREADED
STUD BATTERIES
BATTERY BOX FRAME MOUNTED
STANDARD BATTERY JUMPERS
SINGLE BATTERY BOX FRAME MOUNTED LH
SIDE BACK OF CAB
WIRE GROUND RETURN FOR BATTERY CABLES
WITH ADDITIONAL FRAME GROUND RETURN
NON-POLISHED BATTERY BOX COVER
POSITIVE LOAD DISCONNECT WITH CAB
MOUNTED CONTROL SWITCH WITH LOCKING
PROVISION MOUNTED OUTBOARD DRIVER
SEAT
POSITIVE AND NEGATIVE POSTS FOR
JUMPSTART LOCATED ON FRAME NEXT TO
STARTER
BW MODEL BA-921 19.0 CFM SINGLE CYLINDER
AIR COMPRESSOR WITH SAFETY VALVE
ELECTRONIC ENGINE INTEGRAL WARNING AND
DERATE PROTECTION SYSTEM
RH OUTBOARD UNDER STEP MOUNTED
HORIZONTAL AFTERTREATMENT SYSTEM
ASSEMBLY WITH RH B-PILLAR MOUNTED
VERTICAL TAILPIPE
ENGINE AFTERTREATMENT DEVICE,
AUTOMATIC OVER THE ROAD REGENERATION
AND DASH MOUNTED REGENERATION
REQUEST SWITCH
INTEGRATED STACK AND B-PILLAR PIPE WITH
MINIMUM STACK PROTRUSION ABOVE CAB
RH CURVED VERTICAL TAILPIPE B-PILLAR
MOUNTED ROUTED FROM STEP
6 GALLON DIESEL EXHAUST FLUID TANK
100 PERCENT DIESEL EXHAUST FLUID FILL
STANDARD DIESEL EXHAUST FLUID PUMP
MOUNTING
LH MEDIUM DUTY STANDARD DIESEL EXHAUST
FLUID TANK LOCATION
STANDARD DIESEL EXHAUST FLUID TANK CAP
ALUMINUM AFTERTREATMENT
DEVICE/MUFFLER/TAILOPIPE SHIELD(S)
BORG WARNER (KYSOR) REAR AIR ON/OFF
ENGINE FAN CLUTCH



Prepared for:
EJ Equipment --Suburban
Purchasing Cooperative
6949 N. 3000 East Road
Manteno, IL 60950
Phone: 815-468-0250

Prepared by:
Duane Schaefer
TRANSCHICAGO TRUCK
GROUP
776 N. YORK ROAD
ELMHURST, IL 60126
Phone: 630-279-0600 ext 609
E-Mail:
duaneschaefer@transchicago.com

Description

AUTOMATIC FAN CONTROL WITHOUT DASH
SWITCH, NON ENGINE MOUNTED
DDC SUPPLIED ENGINE MOUNTED FUEL
FILTER/FUEL WATER SEPARATOR WITH
WATER-IN-FUEL INDICATOR
FULL FLOW OIL FILTER
1500 SQUARE INCH ALUMINUM RADIATOR
ANTIFREEZE TO -34F, OAT (NITRITE AND
SILICATE FREE) EXTENDED LIFE COOLANT
GATES BLUE STRIPE COOLANT HOSES OR
EQUIVALENT
CONSTANT TENSION HOSE CLAMPS FOR
COOLANT HOSES
HDEP FIXED RATIO COOLANT PUMP AND
RADIATOR DRAIN VALVE
1350 ADAPTER FLANGE FOR FRONT PTO
PROVISION
DELCO 12V MOD 3.175-39MT+ OCP STARTER
WITH THERMAL PROTECTION AND
INTEGRATED MAGNETIC SWITCH

Transmission

ALLISON 4000 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
DRIVER SWITCH INPUT - DEFAULT - NO
SWITCHES
MAXIMUM ENGINE SPEED FOR PTO
ENGAGEMENT 2600 RPM - ALLISON 5TH GEN
TRANSMISSIONS
TCU-MAX PTO ENGINE SPEED OPERATION NOT
CONFIGURED

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15 NOV 114SD DD13 St Charles



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Prepared for:
EJ Equipment --Suburban
Purchasing Cooperative
6949 N. 3000 East Road
Manteno, IL 60950
Phone: 815-468-0250

Prepared by:
Duane Schaefer
TRANSCHICAGO TRUCK
GROUP
776 N. YORK ROAD
ELMHURST, IL 60126
Phone: 630-279-0600 ext 609
E-Mail:
duaneschaefer@transchicago.com

Description

TCU-MAX PTO O/P SPD ENG NOT CONFIGURE
TCU-MAXIMUM PTO OUTPUT SPEED
OPERATION NOT CONFIGURED
VEHICLE INTERFACE WIRING CONNECTOR
WITH OUT BLUNT CUTS, AT FIREWALL
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,
FRAME MOUNTED
TRANSMISSION OIL CHECK AND FILL WITH
ELECTRONIC OIL LEVEL CHECK
SYNTHETIC TRANSMISSION FLUID (TES-295
COMPLIANT)

Front Axle and Equipment

DETROIT DA-F-20 0-5 20,000# FL1 71.0 KPI/3.74
DROP SINGLE FRONT AXLE
MERITOR 16.5X6 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
STANDARD KING PIN BUSHINGS
TRW THP-60 POWER STEERING WITH RCH45
AUXILIARY GEAR
POWER STEERING PUMP

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EJ Equipment --Suburban
Purchasing Cooperative
6949 N. 3000 East Road
Manteno, IL 60950
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TRANSCHICAGO TRUCK
GROUP
776 N. YORK ROAD
ELMHURST, IL 60126
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duaneschaefer@transchicago.com

Description	
4 QUART POWER STEERING RESERVOIR	
OIL/AIR POWER STEERING COOLER	
ORGANIC SAE 80/90 FRONT AXLE LUBE	
Front Suspension	
20,000# FLAT LEAF FRONT SUSPENSION	
GRAPHITE BRONZE BUSHINGS WITH SEALS - FRONT SUSPENSION	
FRONT SHOCK ABSORBERS	
Rear Axle and Equipment	
RT-46-160P 46,000# R-SERIES TANDEM REAR AXLE	
4.30 REAR AXLE RATIO	
IRON REAR AXLE CARRIER WITH STANDARD AXLE HOUSING	
MXL 176T MERITOR EXTENDED LUBE MAIN DRIVELINE WITH HALF ROUND YOKES	
MXL 17T MERITOR EXTENDED LUBE INTERAXLE DRIVELINE WITH HALF ROUND YOKES	
(1) INTERAXLE LOCK VALVE FOR TANDEM OR TRIDEM DRIVE AXLES	
BLINKING LAMP WITH EACH MODE SWITCH, INTERAXLE UNLOCK DEFAULT WITH IGNITION OFF	
MERITOR 16.5X7 Q+ CAST SPIDER CAM REAR BRAKES, DOUBLE ANCHOR, FABRICATED SHOES	
NON-ASBESTOS REAR BRAKE LINING	
CAM BRAKE AUXILIARY SUPPORT BRACKETS	
CONMET CAST IRON REAR BRAKE DRUMS	
REAR BRAKE DUST SHIELDS	
SKF SCOTSEAL PLUS XL REAR OIL SEALS	
HALDEX GOLDSEAL LONGSTROKE 2-DRIVE AXLES SPRING PARKING CHAMBERS	
HALDEX AUTOMATIC REAR SLACK ADJUSTERS	
ORGANIC SAE 80/90 REAR AXLE LUBE	
STANDARD REAR AXLE BREATHER(S)	
Rear Suspension	
HENDRICKSON RT463 REAR SUSPENSION @ 46,000#	
HENDRICKSON RT/RTE - 7.19" SADDLE	



Prepared for:
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Purchasing Cooperative
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Duane Schaefer
TRANSCHICAGO TRUCK
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776 N. YORK ROAD
ELMHURST, IL 60126
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E-Mail:
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	Description
	STANDARD AXLE SEATS IN AXLE CLAMP GROUP
	54 INCH AXLE SPACING
	STEEL BEAMS AND BRONZE CENTER BUSHINGS WITH BAR PIN ADJUSTABLE END CONNECTIONS
	FORE/AFT CONTROL RODS
	REAR SHOCK ABSORBERS - ONE AXLE
Brake System	
	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-9SI BRAKE LINE AIR DRYER WITH HEATER
	BENDIX OIL COALESCING FILTER FOR AIR DRYER
	AIR DRYER FRAME MOUNTED
	(1) 12 INCH STEEL AIR TANK MOUNTED ABOVE FRAME BACK OF CAB, 20 INCHES MAXIMUM BACK OF CAB PROTRUSION
	CLEAR FRAME RAILS FROM BACK OF CAB TO FRONT REAR SUSPENSION BRACKET, BOTH RAILS OUTBOARD
	PULL CABLE ON WET TANK, PETCOCK DRAIN VALVES ON ALL OTHER AIR TANKS
Trailer Connections	
	UPGRADED CHASSIS MULTIPLEXING UNIT
Wheelbase & Frame	
	6725MM (265 INCH) WHEELBASE
	1/2X3.64X11-7/8 INCH STEEL FRAME (12.7MMX301.6MM/0.5X11.88 INCH) 120KSI
	PARTIAL INNER FRAME REINFORCEMENT AT FRONT SUSPENSION



Prepared for:
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Purchasing Cooperative
6949 N. 3000 East Road
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Description

1900MM (75 INCH) REAR FRAME OVERHANG
FRAME OVERHANG RANGE: 71 INCH TO 80
INCH
24 INCH INTEGRAL FRONT FRAME EXTENSION
CALC'D BACK OF CAB TO REAR SUSP C/L (CA) :
181.54 in
CALCULATED EFFECTIVE BACK OF CAB TO
REAR SUSPENSION C/L (CA) : 178.54 in
CALC'D FRAME LENGTH - OVERALL : 391.69
CALC'D SPACE AVAILABLE FOR DECKPLATE :
181.54 in
CALCULATED FRAME SPACE LH SIDE : 101.73
in
CALCULATED FRAME SPACE RH SIDE : 149.68
in
SQUARE END OF FRAME
FRONT CLOSING CROSSMEMBER
STANDARD WEIGHT ENGINE CROSSMEMBER
STANDARD MIDSHIP #1 CROSSMEMBER(S)
STANDARD REARMOST CROSSMEMBER
HEAVY DUTY SUSPENSION CROSSMEMBER

Chassis Equipment

OMIT FRONT BUMPER, CUSTOMER INSTALLED
SPECIAL BUMPER, DOES NOT COMPLY WITH
FMCSR 393.203
GRADE 8 THREADED HEX HEADED FRAME
FASTENERS

Fuel Tanks

100 GALLON/378 LITER ALUMINUM FUEL TANK -
LH
25 INCH DIAMETER FUEL TANK(S)
PLAIN ALUMINUM/PAINTED STEEL
FUEL/HYDRAULIC TANK(S) WITH POLISHED
STAINLESS STEEL BANDS
FUEL TANK(S) FORWARD
PLAIN STEP FINISH
FUEL TANK CAP(S)
EQUIFLO INBOARD FUEL SYSTEM
AUXILIARY FUEL SUPPLY AND RETURN PORTS
LOCATED ON LH FUEL TANK



Prepared for:
EJ Equipment --Suburban
Purchasing Cooperative
6949 N. 3000 East Road
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	Description
	HIGH TEMPERATURE REINFORCED NYLON FUEL LINE FUEL COOLER
Tires	MICHELIN XZY-3 425/65R22.5 20 PLY RADIAL FRONT TIRES MICHELIN XDE M/S 11R22.5 14 PLY RADIAL REAR TIRES
Hubs	CONMET PRESET PLUS IRON FRONT HUBS CONMET PRESET PLUS IRON REAR HUBS
Wheels	ALCOA LVL ONE 82462X 22.5X12.25 10-HUB PILOT 4.68 INSET 10-HAND ALUMINUM DISC FRONT WHEELS ALCOA LVL ONE 88367X 22.5X8.25 10-HUB PILOT ALUMINUM DISC REAR WHEELS POLISHED FRONT WHEELS; OUTSIDE ONLY POLISHED REAR WHEELS; OUTSIDE OF OUTER WHEELS ONLY WHEEL STUDS FOR CUSTOMER INSTALLED HUB PILOTED DUALED ALUMINUM WHEELS
Cab Exterior	114 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB AIR CAB MOUNTS NONREMOVABLE BUGSCREEN MOUNTED BEHIND GRILLE 3-1/2 INCH FENDER EXTENSIONS LH AND RH GRAB HANDLES BRIGHT FINISH RADIATOR SHELL/HOOD BEZEL STATIONARY BLACK GRILLE WITH BRIGHT ACCENTS CHROME HOOD MOUNTED AIR INTAKE GRILLE FIBERGLASS HOOD SINGLE 14 INCH ROUND HADLEY AIR HORN UNDER LH DECK SINGLE ELECTRIC HORN SINGLE HORN SHIELD



Prepared for:
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Duane Schaefer
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ELMHURST, IL 60126
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E-Mail:
duaneschaefer@transchicago.com

Description

DOOR LOCKS AND IGNITION SWITCH KEYED
THE SAME
REAR LICENSE PLATE MOUNT END OF FRAME
HALOGEN COMPOSITE HEADLAMPS WITH
BRIGHT BEZELS
(5) AMBER MARKER LIGHTS
INTEGRAL STOP/TAIL/BACKUP LIGHTS WITH 7
EXTRA FEET OF WIRE MOUNTED AT END OF
FRAME
STANDARD FRONT TURN SIGNAL LAMPS
DUAL WEST COAST BRIGHT FINISH HEATED
MIRRORS WITH LH AND RH REMOTE
DOOR MOUNTED MIRRORS
102 INCH EQUIPMENT WIDTH
LH AND RH 8 INCH BRIGHT FINISH CONVEX
MIRRORS MOUNTED UNDER PRIMARY
MIRRORS
STANDARD SIDE/REAR REFLECTORS
RH AFTERTREATMENT SYSTEM CAB ACCESS
WITH POLISHED DIAMOND PLATE COVER
63X14 INCH TINTED REAR WINDOW
TINTED DOOR GLASS LH AND RH WITH TINTED
NON-OPERATING WING WINDOWS
RH AND LH ELECTRIC POWERED WINDOWS,
PASSENGER SWITCHES ON DOOR(S)
1-PIECE TINTED CURVED BONDED WINDSHIELD
WITH HEATED WIPER BLADE PARK AREAS
8 LITER WINDSHIELD WASHER RESERVOIR,
CAB MOUNTED, WITHOUT FLUID LEVEL
INDICATOR

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



Prepared for:
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Purchasing Cooperative
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Description

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
STANDARD INSULATION
SOLID-STATE CIRCUIT PROTECTION AND
FUSES
12V NEGATIVE GROUND ELECTRICAL SYSTEM
DOME DOOR ACTIVATED LH AND RH, DUAL
READING LIGHTS, FORWARD CAB ROOF
LH AND RH ELECTRIC DOOR LOCKS
(1) 12 VOLT POWER SUPPLY IN DASH
PREMIUM HIGH BACK AIR SUSPENSION DRIVER
SEAT WITH 3 CHAMBER AIR LUMBAR,
INTEGRATED CUSHION EXTENSION, FORWARD
AND REAR CUSHION TILT, ADJUSTABLE SHOCK
ABSORBER
PREMIUM HIGH BACK AIR SUSPENSION
PASSENGER SEAT WITH 3 CHAMBER AIR
LUMBAR, INTEGRATED CUSHION
EXTENSION, FORWARD AND REAR CUSHION
TILT, ADJUSTABLE SHOCK ABSORBER
DUAL DRIVER AND PASSENGER SEAT
ARMRESTS
LH AND RH INTEGRAL DOOR PANEL ARMRESTS
VINYL WITH VINYL INSERT DRIVER SEAT
VINYL WITH VINYL INSERT PASSENGER SEAT
3 POINT FIXED D-RING RETRACTOR DRIVER
AND PASSENGER SEAT BELTS
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

Application Version 8.9.003
Data Version PRL-14D.014
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Prepared for:
EJ Equipment --Suburban
Purchasing Cooperative
6949 N. 3000 East Road
Manteno, IL 60950
Phone: 815-468-0250

Prepared by:
Duane Schaefer
TRANSCHICAGO TRUCK
GROUP
776 N. YORK ROAD
ELMHURST, IL 60126
Phone: 630-279-0600 ext 609
E-Mail:
duaneschaefer@transchicago.com

Description

BLACK GAUGE BEZELS
LOW AIR PRESSURE INDICATOR LIGHT AND
AUDIBLE ALARM
2 INCH PRIMARY AND SECONDARY AIR
PRESSURE GAUGES
INTAKE MOUNTED AIR RESTRICTION
INDICATOR WITHOUT GRADUATIONS
97 DB BACKUP ALARM
ELECTRONIC CRUISE CONTROL WITH
SWITCHES IN LH SWITCH PANEL
KEY OPERATED IGNITION SWITCH AND
INTEGRAL START POSITION; 4 POSITION
OFF/RUN/START/ACCESSORY
ICU3S, 132X48 DISPLAY WITH DIAGNOSTICS, 28
LED WARNING LAMPS AND DATA LINKED
HEAVY DUTY ONBOARD DIAGNOSTICS
INTERFACE CONNECTOR LOCATED BELOW LH
DASH
2 INCH ELECTRIC FUEL GAUGE
FUEL FILTER RESTRICTION INDICATOR
ENGINE REMOTE INTERFACE WITH
INCREMENT/DECREMENT
ENGINE REMOTE INTERFACE CONNECTOR AT
BACK OF CAB
33U-004 PREWIRE PACKAGE FOR VAC-CON
CONTROL MODULE AND CHASSIS INTERFACE
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 - PARK BRAKE AND NEUTRAL
INTERLOCK FOR CUSTOMER INSTALLED PTO
ELECTRIC ENGINE OIL PRESSURE GAUGE
OVERHEAD INSTRUMENT PANEL
AM/FM RADIO WITH FRONT AND REAR
AUXILIARY INPUTS AND J1939
DASH MOUNTED RADIO
(2) RADIO SPEAKERS IN CAB
AM/FM ANTENNA MOUNTED ON FORWARD LH
ROOF



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TRANSCHICAGO TRUCK
GROUP
776 N. YORK ROAD
ELMHURST, IL 60126
Phone: 630-279-0600 ext 609
E-Mail:
duaneschaefer@transchicago.com

	Description
	ELECTRONIC MPH SPEEDOMETER WITH SECONDARY KPH SCALE, WITHOUT ODOMETER STANDARD VEHICLE SPEED SENSOR ELECTRONIC 3000 RPM TACHOMETER DETROIT CONNECT VIRTUAL TECHNICIAN CONNECTIVITY PACKAGE (DETROIT ENGINES ONLY) 2 YEARS DETROIT CONNECT VIRTUAL TECHNICIAN REMOTE DIAGNOSTICS SERVICE IGNITION SWITCH CONTROLLED ENGINE STOP WITH CONTROL MOUNTED AT FIREWALL DIGITAL VOLTAGE DISPLAY INTEGRAL WITH DRIVER DISPLAY SINGLE ELECTRIC WINDSHIELD WIPER MOTOR WITH DELAY MARKER LIGHT SWITCH INTEGRAL WITH HEADLIGHT SWITCH ONE VALVE PARKING BRAKE SYSTEM WITH WARNING INDICATOR SELF CANCELING TURN SIGNAL SWITCH WITH DIMMER, WASHER/WIPER AND HAZARD IN HANDLE INTEGRAL ELECTRONIC TURN SIGNAL FLASHER WITH HAZARD LAMPS OVERRIDING STOP LAMPS
Design	PAINT: ONE SOLID COLOR
Color	CAB COLOR A: L0001EB BLACK ELITE BC BLACK, HIGH SOLIDS POLYURETHANE CHASSIS PAINT NO FUEL TANK CABINET PAINT PDI APPLIED INITIAL APPLICATION OF KROWN KL-73 ANTI-CORROSION SPRAY
Certification / Compliance	U.S. FMVSS CERTIFICATION, EXCEPT SALES CABS AND GLIDER KITS
Secondary Factory Options	CORPORATE PDI CENTER OPTION INSTALLATION/MODIFICATION ONLY



Prepared for:
EJ Equipment --Suburban
Purchasing Cooperative
6949 N. 3000 East Road
Manteno, IL 60950
Phone: 815-468-0250

Prepared by:
Duane Schaefer
TRANSMICHIGAN TRUCK
GROUP
776 N. YORK ROAD
ELMHURST, IL 60126
Phone: 630-279-0600 ext 609
E-Mail:
duaneschaefer@transchicago.com

Description

VOCATIONAL SPEC FOR VACUUM TRUCKS

Extended Warranty

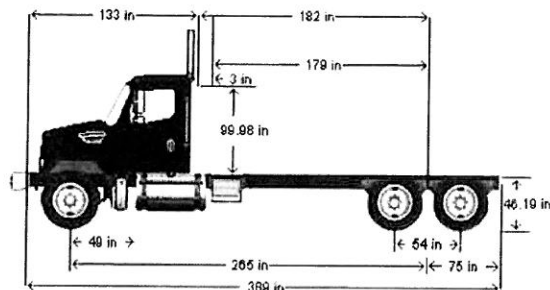
TOWING: 1 YEAR/UNLIMITED MILES/KM EXTENDED TOWING
COVERAGE \$550 CAP



Prepared for:
 EJ Equipment --Suburban
 Purchasing Cooperative
 6949 N. 3000 East Road
 Manteno, IL 60950
 Phone: 815-468-0250

Prepared by:
 Duane Schaefer
 TRANSCHICAGO TRUCK
 GROUP
 776 N. YORK ROAD
 ELMHURST, IL 60126
 Phone: 630-279-0600 ext 609
 E-Mail:
 duaneschaefer@transchicago.com

DIMENSIONS



VEHICLE SPECIFICATIONS SUMMARY - DIMENSIONS

Model	114SD
Wheelbase (545)	6725MM (265 INCH) WHEELBASE
Rear Frame Overhang (552)	1900MM (75 INCH) REAR FRAME OVERHANG
Fifth Wheel (578)	NO FIFTH WHEEL
Mounting Location (577)	NO FIFTH WHEEL LOCATION
Maximum Forward Position (in)	0
Maximum Rearward Position (in)	0
Amount of Slide Travel (in)	0
Slide Increment (in)	0
Desired Slide Position (in)	0.0
Cab Size (829)	114 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB
Sleeper (682)	NO SLEEPER BOX/SLEEPER CAB
Exhaust System (016)	RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH B-PILLAR MOUNTED VERTICAL TAILPIPE

Prepared for:
 EJ Equipment –Suburban
 Purchasing Cooperative
 6949 N. 3000 East Road
 Manteno, IL 60950
 Phone: 815-468-0260

Prepared by:
 Duane Schaefer
 TRANSCHICAGO TRUCK
 GROUP
 776 N. YORK ROAD
 ELMHURST, IL 60126
 Phone: 630-279-0600 ext 609
 E-Mail:
 duaneschaefer@transchicago.com

TABLE SUMMARY - DIMENSIONS

Dimensions	Inches
Bumper to Back of Cab (BBC)	132.9
Bumper to Centerline of Front Axle (BA)	49.4
Min. Cab to Body Clearance (CB)	3.0
Back of Cab to Centerline of Rear Axle(s) (CA)	181.5
Effective Back of Cab to Centerline of Rear Axle(s) (Effective CA)	178.5
Back of Cab Protrusions (Exhaust/Intake) (CP)	1.5
Back of Cab Protrusions (Side Extenders/Trim Tab) (CP)	0.0
Back of Cab Protrusions (CNG Tank)	0.0
Back of Cab Clearance (CL)	3.0
Back of Cab to End of Frame	256.5
Cab Height (CH)	100.0
Wheelbase (WB)	265.0
Frame Overhang (OH)	75.0
Overall Length (OAL)	389.4
Rear Axle Spacing	54.0
Unladen Frame Height at Centerline of Rear Axle	46.2

Performance calculations are estimates only. If performance calculations are critical, please contact Customer Application Engineering.



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Prepared by:
Duane Schaefer
TRANSCHICAGO TRUCK
GROUP
776 N. YORK ROAD
ELMHURST, IL 60126
Phone: 630-279-0600 ext 609
E-Mail:
duaneschaefer@transchicago.com

GVWR

VEHICLE SPECIFICATIONS SUMMARY - GVWR

Model	114SD
Cab Size (829).....	114 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB
Expected Front Axle(s) Load (lbs).....	20000.0
Expected Pusher Axle(s) Load (lbs).....	0.0
Expected Rear Axle(s) Load (lbs).....	46000.0
Expected Tag Axle(s) Load (lbs).....	0.0
Expected GVW (lbs).....	66000
Expected GCW (lbs).....	0.0
Front Axle (400).....	DETROIT DA-F-20.0-5 20,000# FL1 71.0 KPI/3 74 DROP SINGLE FRONT AXLE
Front Suspension (620).....	20,000# FLAT LEAF FRONT SUSPENSION
Front Hubs (418).....	CONMET PRESET PLUS IRON FRONT HUBS
Front Disc Wheels (502).....	ALCOA LVL ONE 82462X 22.5X12.25 10-HUB PILOT 4.68 INSET 10-HAND ALUMINUM DISC FRONT WHEELS
Front Tires (093).....	MICHELIN XZY-3 425/65R22.5 20 PLY RADIAL FRONT TIRES
Front Brakes (402).....	MERITOR 16.5X6 Q+ CAST SPIDER CAM FRONT BRAKES, DOUBLE ANCHOR, FABRICATED SHOES
Steering Gear (536).....	TRW THP-60 POWER STEERING WITH RCH45 AUXILIARY GEAR
Rear Axle (420).....	RT-46-160P 46,000# R-SERIES TANDEM REAR AXLE
Rear Suspension (622).....	HENDRICKSON RT463 REAR SUSPENSION @ 46,000#
Rear Hubs (450).....	CONMET PRESET PLUS IRON REAR HUBS
Rear Disc Wheels (505).....	ALCOA LVL ONE 88367X 22.5X8.25 10-HUB PILOT ALUMINUM DISC REAR WHEELS
Rear Tires (094).....	MICHELIN XDE M/S 11R22.5 14 PLY RADIAL REAR TIRES
Rear Brakes (423).....	MERITOR 16.5X7 Q+ CAST SPIDER CAM REAR BRAKES, DOUBLE ANCHOR, FABRICATED SHOES
Pusher / Tag Axle (443).....	NO PUSHER OR TAG AXLE
Pusher / Tag Suspension (626).....	NO PUSHER OR TAG SUSPENSION
Pusher / Tag Hubs (449).....	NO PUSHER OR TAG HUBS
Pusher/Tag Disc Wheels (509).....	NO PUSHER/TAG DISC WHEELS
Pusher / Tag Tires (095).....	NO PUSHER/TAG TIRES
Pusher / Tag Brakes (456).....	NO PUSHER/TAG BRAKES



Prepared for:
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 Purchasing Cooperative
 6949 N. 3000 East Road
 Manteno, IL 60950
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Prepared by:
 Duane Schaefer
 TRANSCHICAGO TRUCK
 GROUP
 776 N. YORK ROAD
 ELMHURST, IL 60126
 Phone: 630-279-0600 ext 609
 E-Mail:
 duaneschaefer@transchicago.com

TABLE SUMMARY - GVWR

	Front	Rear 1	Rear 2
Axle Component Weight Ratings			
Axes	20000	23000	23000
Suspension	20000	23000	23000
Hubs	23000	26000	26000
Brakes	20000	24999	24999
Wheels	24600	29600	29600
Tires	22800	23360	23360
Power Steering	22000	N/A	N/A
GAWR (per axle)	20000	23000	23000
GAWR (per axle system)	20000		46000
Expected Load (per axle system)	20000		46000
Vehicle GVWR Summary			
Calculated GVWR	66000		
Expected GVWR	66000		
All weights displayed in pounds			

Performance calculations are estimates only. If performance calculations are critical, please contact Customer Application Engineering.

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FRAME RBM

VEHICLE SPECIFICATIONS SUMMARY - FRAME RBM

Wheelbase (545)6725MM (265 INCH) WHEELBASE
 Frame Rails (546)..... 1/2X3.64X11-7/8 INCH STEEL FRAME (12.7MMX301.6MM/0.5X11.88 INCH) 120KSI(546)
 Yield Strength (psi) 120000
 Section Modulus (per rail) (cu in) 22.7
 RBM (per rail) (lbf-in) 2700000
 Inner Frame Reinforcement (547)..... PARTIAL INNER FRAME REINFORCEMENT AT FRONT SUSPENSION
 Outer Frame Reinforcement (548)..... NO OUTER FRAME REINFORCEMENT

TABLE SUMMARY - FRAME RBM

Item	Description / Value
Wheelbase	6725MM (265 INCH) WHEELBASE
Frame	1/2X3 64X11-7/8 INCH STEEL FRAME (12.7MMX301.6MM/0.5X11.88 INCH) 120KSI
Inner Frame Reinforcement	PARTIAL INNER FRAME REINFORCEMENT AT FRONT SUSPENSION
Outer Frame Reinforcement	NO OUTER FRAME REINFORCEMENT
Yield Strength (psi)	120000
Section Modulus - per rail (cu in.)	22.70
Frame RBM - per rail (lbf-in)	3204000

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TURNING RADIUS



	Left Turn	Right Turn	Tolerance
Wall to Wall Diameter (ft)	89.8	81.2	+/- 3.0
Curb to Curb Diameter (ft)	83.3	73.9	+/- 3.0
Turning Radius (ft)	40.9	36.2	+/- 1.5

VEHICLE SPECIFICATIONS SUMMARY - TURNING RADIUS

Model 114SD
 Cab Size (829) 114 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB
 Wheelbase (545) 6725MM (265 INCH) WHEELBASE
 Front Tires (093) MICHELIN XZY-3 425/65R22.5 20 PLY RADIAL FRONT TIRES
 Width (in) 17.7
 Front Axle (400) DETROIT DA-F-20.0-5 20,000# FL1 71.0 KPI/3.74 DROP SINGLE FRONT AXLE
 Kingpin Intersection (in) 71
 Bumper (556) OMIT FRONT BUMPER, CUSTOMER INSTALLED SPECIAL BUMPER, DOES NOT COMPLY WITH FMCSR 393.203
 Width (in) 96
 Bumper Miter to Front Axle (in) 73.394
 Primary Steering Location (003) LH PRIMARY STEERING LOCATION
 Steering Gear (536) TRW THP-60 POWER STEERING WITH RCH45 AUXILIARY GEAR
 Dual Steering Gear RCH45
 Ram NONE
 Rear Axle (420) RT-46-160P 46,000# R-SERIES TANDEM REAR AXLE
 Axle Spacing (624) 54 INCH AXLE SPACING

Performance calculations are estimates only. If performance calculations are critical, please contact Customer Application Engineering.

Application Version 8.9.003
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Freightliner reserves the right to change specifications, prices, and weights, without notice.



EQUIPMENT

6949 N. 3000 E. Road
Manteno, IL 60950

Date 02/26/2016

Vac-Con Build Sheet

Comments Price excludes any applicable, sales taxes, tag, title or registration fees.

Model Number - V PD4212HE/1500 (827 at 18") L H A -O

Main Information

Model	PD4212HE/1500
Blower	Roots Model 827 (4200CFM@18") Hydrostatic Drive
Boom	10' Aluminum Telescoping Boom with Pendant Control Station
Hose Reel	Front Mounted, Articulating to Driver Side, 800' (1") Capacity
Jet Rodder Hose	800' x 1" continuous 2500 PSI/6250 PSI
Water System	60 GPM@2500 PSI Water Pump
Auxiliary Engine	Ford Power Products Gas WSG-1068, 6.8 Liter, V-10, 222HP at 3200RPM/360ft-lbs at 3200RPM
Water Pump	FMC

Debris Body Options

Qty Description

- 1 6" Air operated knife valve/Front Curbside Mounted
- 1 6" Knife Valve with Center Post and Handle, in Lieu of the 5" Butterfly Valve
- 1 A Flat Style Rear Door Including Hydraulic Opener
- 1 Built in Body Prop - Rear Frame Support Mounted
- 1 Front gate valve, for use with Gravity Drain Option
- 1 Gravity Drain System; plumbing to mid-passenger side of unit, allowing return of liquids to the manhole
- 1 Rear splash guard - tank mounted
- 1 Rear, Hydraulic Pump Off System, 200 GPM w/20' lay flat Hose

Water System Options

Qty Description

- 1 1/4 turn ball valve water tank drain
- 1 410,000 BTU Diesel Fired Boiler
- 1 50' Capacity Retractable Hand Gun Hose Reel
- 1 Auxiliary Engine Driven Hydraulics
- 1 Chemical Tank (15) Gallons with 12v pump
- 1 Debris Body "Power Flush" System, 8 jets
- 1 Hydro-excavation package includes: 50' retractable hose reel with 50' of 1/2" high pressure hose and Hydro-X lance
- 1 Pre-Tank Water Filter (In-line)
- 1 Variable Flow Valve (Valve Only)
- 1 Water Pump Remote Oil Drain
- 1 Winter Recirculating connection for high pressure circuit.
- 1 Winter Recirculating connection for low pressure circuit.
- 1 Winter Recirculating System for Rodder Hose
- 1 Electronic Water Tank Level Gauge

Hose Reel Options

Qty Description

- 1 Automatic Hose Reel Power Guide
- 1 Pinch Roller for Automatic Level Wind

Misc Machine Options

Qty Description

- 1 Automatic Lube System Includes: Boom, Debris Tank and Hose Reel
- 1 Auxiliary Engine Remote Oil Drain
- 1 Cone Rack, between bogies, tandem
- 1 Long Handle Storage / PVC (2) mounted in storage box under shelf

Lighting Options

Qty Description

- 1 ICC - LED Lighting Package, Body
- 1 LED Arrow Board, Rear Debris Tank Door Mounted
- 1 LED Boom Mounted Flood Lights
- 1 LED Flood Light - Level Wind Guide
- 1 LED Flood Light - Water Pump Work Area
- 2 Mirror Mounted LED Strobe Light with Limb Guard
- 1 LED 4 Strobes - (2) Mid Ship, (2) Rear Bumper

Electrical Options

Qty Description

- 1 Back Up Alarm
- 1 Camera with color monitor: Rear camera and Front Camera location
- 1 Omnibus-2 Electronic Controller System-Color Monitor-Omnibus footage counter standard.
- 1 Remote Control (Wireless): Boom, Vacuum Breaker, Throttle & Debris Body. Does not include remote cable pendant controls for boom.

Water System Accessories

Qty Description

- 1 Turbo Jet with Single Forward Jet for Hydro-X lance

Leader Hose

Qty Description

- 1 1" x 20' Length Leader Hose

Pipe Storage Racks

Qty Description

- 1 Folding Pipe Rack (3), Tank Mtd, Curbside
- 1 Folding Pipe Rack (3), Tank Mtd, Driver Side

Tool/Storage Boxes

Qty Description

- 1 (2) Roll out shelves for storage box behind cab
- 1 16x42x48 Aluminum Storage Box (Drivers Side Behind Cab)
- 1 Aluminum Storage Box Behind Cab in lieu of Standard Steel

Paint

Qty Description

- 1 Paint: BLACK to match chassis paint code
- 1 Standard Striping Package - Blue
- 1 Undercoat - Vac-Con Module & Chassis

Truck Chassis Information

Make	Freightliner
Model	114SD 6x4 66k
Engine Make and Model	Detroit DD13
Engine HP and RPM	410@1625 1550ftlb
Transmission Make and Model	4000RDS
CA/CT Measurement	181.54CT



Mr. Dave Todd
Environmental Services Assistant Division Manager
City of St. Charles
200 Devereaux Way
St. Charles, IL 60174

February 3rd, 2016

Dear Mr. Todd,

Standard Equipment Company is pleased to present the following quote on a 2016 Vactor combination sewer jetter/vacuum mounted on a Freightliner model 114SD tandem axle truck. This quote includes all standard equipment as well as the following additional equipment per your request. Please note this quote is based off the NJPA Joint Purchasing Program, contract #022014-FSC and is valid for 30 days from today's date.

2016 VACTOR PLUS EQUIPMENT OFF NJPA:	\$302,257
Vactor Plus with 12 cubic yard debris body	\$215,546
Low water alarm with pump flow indicator	\$597
18", 824 PD Blower	\$Incl.
Debris body flush out	\$1,387
6" Knife valve rear door at 3 o'clock	\$1,140
External mounted trash pump w/2.5"x25' drain hose	\$10,799
Stainless steel centrifugal separators	\$6,257
Fold down pipe rack curbside	\$962
Fold down pipe rack rear door	\$962
Fold down pipe rack street side	\$962
Splash shield	\$1,413
3" Y strainer in lieu of 2" at fill	\$403
1500 gallon water capacity	\$1,256
10' Hydraulic/telescopic boom	\$14,180
Joystick control for boom-front mounted only	\$732
Post style boom storage	\$Incl.
Rotatable inlet hose assembly	\$534
60GPM@2500PSI water system	\$Incl.
Cold weather recirculation	\$1,590
Accumulator	\$2,553
Hydro-excavation package	\$3,177
800' x 1" Piranha sewer jetter hose	\$1,640
Auto level wind guide with indexing	\$4,813
Digital hose counter	\$1,590
Handgun hose reel /spring retractable 50'	\$1,194
Hydraulic shut off valves	\$875
Rodder pump drain valves	\$460
Telescoping/Rotating hose reel-1000' capacity	\$2,210

Hydraulic oil high temperature light and alarm	\$345
LED Arrow stick-rear mount	\$1,905
5 strobe light system (1 cab guard, 2 mid-ship, 2 rear)	\$2,459
LED worklight at operator station	\$607
14x36x96 behind cab tool box	\$2,966
24x24x24 driver's side frame mounted toolbox	\$1,475
18x24x24 driver's side sub frame mounted tool box	\$1,230
Mark V water gauge	\$1,690
Air Purge	\$1,199
Boom Lights	\$722
Driver side cab guard light	\$455
Passenger side cab guard light	\$455
Rear door light	\$573
Digital pressure gauge	\$590
Debris body load limit alarm with vacuum relief	\$1,910
Mid-ship turn signals	\$503
10' leader hose	\$191
Pole and shovel rack	\$324
Chassis/Module painted "Black"	\$NC
Front and rear vision camera	\$2,172
Anti-splash flapper	\$344
Hot Shift Blower Drive	\$2,910

ADDITIONAL EQUIPMENT (NON-NJPA) **\$11,575**

Mounting	\$2,875
Freight, training, PDI	\$2,200
One day, onsite operator/maintenance training	\$Incl.
Payment upon delivery	\$Incl.
Midwest Auto lube	\$6,500

VECTOR EQUIPMENT:	\$302,257
<u>LESS NJPA DISCOUNT:</u>	<u>\$- 9,068</u>
NET VECTOR PRICE FROM NJPA:	\$293,189
ADDITIONAL EQUIPMENT NON NJPA:	\$ 11,575
<u>FREIGHTLINER MODEL 114SD CHASSIS PER ATTACHED:</u>	<u>\$116,555</u>
TOTAL VECTOR FROM NJPA WITH CHASSIS:	\$421,319
<u>LESS TRADE IN OF City of St. Charles VECTOR:</u>	<u>(\$148,500)</u>
TOTAL SALE PRICE AFTER TRADE:	\$272,819

Thank you for the opportunity to quote you on your sewer cleaner needs. Please contact me at (312) 208-6377 if you have any questions regarding this quote.

Best Regards,
STANDARD EQUIPMENT COMPANY

Jim Miller
Account Manager

S P E C I F I C A T I O N P R O P O S A L

	Description	Weight Front	Weight Rear
Data Version	SD PRL-13D (EFF:02/27/15)		
	SPECPRO21 DATA RELEASE VER 014		
Vehicle Configuration			
	114SD CONVENTIONAL CHASSIS	7,934	6,576
	2017 MODEL YEAR SPECIFIED		
	SET FORWARD AXLE - TRUCK		
	STRAIGHT TRUCK PROVISION		
	LH PRIMARY STEERING LOCATION		
General Service			
	TRUCK CONFIGURATION		
	DOMICILED, USA 50 STATES (INCLUDING CALIFORNIA AND CARB OPT-IN STATES)		
	UTILITY/REPAIR/MAINTENANCE SERVICE		
	GOVERNMENT BUSINESS SEGMENT		
	LIQUID BULK 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		
	FREIGHTLINER LEVEL II WARRANTY		
	EXPECTED FRONT AXLE(S) LOAD : 20000.0 lbs		
	EXPECTED REAR DRIVE AXLE(S) LOAD : 46000.0 lbs		
	EXPECTED GROSS VEHICLE WEIGHT CAPACITY : 66000.0 lbs		
Truck Service			
	SEWER/INDUSTRIAL VACUUM BODY		

	Description	Weight Front	Weight Rear
	EXPECTED TRUCK BODY LENGTH : 0.0 ft		
	EXPECTED TRUCK BODY WIDTH : 96.0 in		
	BRAKING-EXPECTED CAB TO BODY CLEARANCE : 3.0 in		
Engine			
	DETROIT DD13 12.8L 410 HP @ 1625 RPM, 1900 GOV RPM, 1650 LB/FT @ 975 RPM		
Electronic Parameters			
	70 MPH ROAD SPEED LIMIT		
	CRUISE CONTROL SPEED LIMIT SAME AS ROAD SPEED LIMIT		
	PTO MODE ENGINE RPM LIMIT - 900 RPM		
	PTO MODE BRAKE OVERRIDE - SERVICE BRAKE APPLIED		
	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		
Engine Equipment			
	2016 ONBOARD DIAGNOSTICS/2010 EPA/CARB/GHG17		
	2008 CARB EMISSION CERTIFICATION - CLEAN IDLE (INCLUDES 6X4 INCH LABEL ON LEFT SIDE OF HOOD)		
	NO 2013 ENGINE ESCALATOR		
	STANDARD OIL PAN		
	ENGINE MOUNTED OIL CHECK AND FILL		
	SIDE OF HOOD AIR INTAKE WITH DONALDSON HIGH CAPACITY AIR CLEANER WITH SAFETY ELEMENT, FIREWALL MOUNTED		
	DR 12V 160 AMP 28-SI QUADRAMOUNT PAD ALTERNATOR WITH REMOTE BATTERY VOLT SENSE		
	(3) ALLIANCE MODEL 1231, GROUP 31, 12 VOLT MAINTENANCE FREE 3375 CCA THREADED STUD BATTERIES		
	BATTERY BOX FRAME MOUNTED		
	STANDARD BATTERY JUMPERS		
	BATTERY BOX MOUNTING LH SIDE 72 INCHES AFT OF CAB		

*

Description	Weight Front	Weight Rear
WIRE GROUND RETURN FOR BATTERY CABLES WITH ADDITIONAL FRAME GROUND RETURN		
KEEP CABLES TIGHT TO RAIL AND CLEAR OF LH PTO SHAFT		
NON-POLISHED BATTERY BOX COVER		
POSITIVE LOAD DISCONNECT WITH CAB MOUNTED CONTROL SWITCH MOUNTED OUTBOARD DRIVER SEAT	8	
BW MODEL BA-921 19.0 CFM SINGLE CYLINDER AIR COMPRESSOR WITH SAFETY VALVE		
AIR COMPRESSOR DISCHARGE LINE		
ELECTRONIC ENGINE INTEGRAL WARNING AND DERATE PROTECTION SYSTEM		
RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH B-PILLAR MOUNTED VERTICAL TAILPIPE	30	25
ENGINE AFTERTREATMENT DEVICE, AUTOMATIC OVER THE ROAD REGENERATION AND DASH MOUNTED REGENERATION REQUEST SWITCH		
INTEGRATED STACK AND B-PILLAR PIPE WITH MINIMUM STACK PROTRUSION ABOVE CAB		
RH CURVED VERTICAL TAILPIPE B-PILLAR MOUNTED ROUTED FROM STEP		
13 GALLON DIESEL EXHAUST FLUID TANK		
100 PERCENT DIESEL EXHAUST FLUID FILL		
STANDARD DIESEL EXHAUST FLUID PUMP MOUNTING		
LH MEDIUM DUTY STANDARD DIESEL EXHAUST FLUID TANK LOCATION		
STANDARD DIESEL EXHAUST FLUID TANK CAP		
STAINLESS STEEL AFTERTREATMENT DEVICE/MUFFLER/TAILOPIPE SHIELD		
BORG WARNER (KYSOR) REAR AIR ON/OFF ENGINE FAN CLUTCH		
AUTOMATIC FAN CONTROL WITH DASH SWITCH AND INDICATOR LIGHT, NON ENGINE MOUNTED		
DDC SUPPLIED ENGINE MOUNTED FUEL FILTER/FUEL WATER SEPARATOR WITH WATER-IN-FUEL INDICATOR		
FULL FLOW OIL FILTER		
1500 SQUARE INCH ALUMINUM RADIATOR		
ANTIFREEZE TO -34F, OAT (NITRITE AND SILICATE FREE) EXTENDED LIFE COOLANT		

Description	Weight Front	Weight Rear
GATES BLUE STRIPE COOLANT HOSES OR EQUIVALENT		
CONSTANT TENSION HOSE CLAMPS FOR COOLANT HOSES		
HDEP FIXED RATIO COOLANT PUMP AND RADIATOR DRAIN VALVE		
PHILLIPS-TEMRO 1500 WATT/115 VOLT BLOCK HEATER	4	
CHROME ENGINE HEATER RECEPTACLE MOUNTED UNDER LH DOOR		
DELCO 12V MOD 3.175-39MT+ OCP STARTER WITH THERMAL PROTECTION AND INTEGRATED MAGNETIC SWITCH		
Transmission		
ALLISON 4000 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION	260	100
Transmission Equipment		
ALLISON VOCATIONAL PACKAGE 172 - AVAILABLE ON 3000/4000 PRODUCT FAMILIES WITH VOCATIONAL MODEL RDS		
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		
DRIVER SWITCH INPUT - DEFAULT - NO SWITCHES		
MAXIMUM ENGINE SPEED FOR PTO ENGAGEMENT 2600 RPM - ALLISON 5TH GEN TRANSMISSIONS		
TCU-MAX PTO ENGINE SPEED OPERATION NOT CONFIGURED		
TCU-MAX PTO O/P SPD ENG NOT CONFIGURE		
TCU-MAXIMUM PTO OUTPUT SPEED OPERATION NOT CONFIGURED		
VEHICLE INTERFACE WIRING CONNECTOR WITHOUT BLUNT CUTS, AT BACK OF CAB		
ELECTRONIC TRANSMISSION CUSTOMER ACCESS CONNECTOR FIREWALL MOUNTED		
(2) CUSTOMER INSTALLED MUNCIE CS10 SERIES PTO'S		

Description	Weight Front	Weight Rear
PTO MOUNTING, LH SIDE AND TOP RH 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, FRAME MOUNTED		
TRANSMISSION OIL CHECK AND FILL WITH ELECTRONIC OIL LEVEL CHECK		
SYNTHETIC TRANSMISSION FLUID (TES-295 COMPLIANT)		
Front Axle and Equipment		
MFS-20-133A 20,000# FL1 71.0 INCH KPI/3.74 INCH DROP SINGLE FRONT AXLE	260	
MERITOR 16.5X6 Q+ CAST SPIDER CAM FRONT BRAKES, DOUBLE ANCHOR, FABRICATED SHOES	10	
NON-ASBESTOS FRONT BRAKE LINING		
CONMET CAST IRON FRONT BRAKE DRUMS		
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		
STANDARD KING PIN BUSHINGS		
TRW THP-60 POWER STEERING WITH RCH45 AUXILIARY GEAR	130	
POWER STEERING PUMP		
4 QUART POWER STEERING RESERVOIR	5	
OIL/AIR POWER STEERING COOLER	5	
ORGANIC SAE 80/90 FRONT AXLE LUBE		
Front Suspension		
20,000# FLAT LEAF FRONT SUSPENSION	310	
GRAPHITE BRONZE BUSHINGS WITH SEALS - FRONT SUSPENSION		
FRONT SHOCK ABSORBERS		
Rear Axle and Equipment		
RT-46-160P 46,000# R-SERIES TANDEM REAR AXLE		450

	Description	Weight Front	Weight Rear
	5.63 REAR AXLE RATIO		
	IRON REAR AXLE CARRIER WITH STANDARD AXLE HOUSING		
	MXL 17T MERITOR EXTENDED LUBE MAIN DRIVELINE WITH HALF ROUND YOKES	40	40
	MXL 17T MERITOR EXTENDED LUBE INTERAXLE DRIVELINE WITH HALF ROUND YOKES		
	(1) INTERAXLE LOCK VALVE FOR TANDEM OR TRIDEM DRIVE AXLES		
	BLINKING LAMP WITH EACH MODE SWITCH, INTERAXLE UNLOCK DEFAULT WITH IGNITION OFF		
	MERITOR 16.5X7 Q+ CAST SPIDER CAM REAR BRAKES, DOUBLE ANCHOR, FABRICATED SHOES		
	NON-ASBESTOS REAR BRAKE LINING		
	CAM BRAKE AUXILIARY SUPPORT BRACKETS		
	CONMET CAST IRON REAR BRAKE DRUMS		
	SKF SCOTSEAL PLUS XL REAR OIL SEALS		
	HALDEX GOLDSEAL LONGSTROKE 2-DRIVE AXLES SPRING PARKING CHAMBERS		
	HALDEX AUTOMATIC REAR SLACK ADJUSTERS		
	ORGANIC SAE 80/90 REAR AXLE LUBE		
	STANDARD REAR AXLE BREATHER(S)		
Rear Suspension			
	HENDRICKSON RT463 REAR SUSPENSION @ 46,000#		750
	HENDRICKSON RT/RTE - 6.00" SADDLE		
	STANDARD AXLE SEATS IN AXLE CLAMP GROUP		
	54 INCH AXLE SPACING		10
	STEEL BEAMS AND BRONZE CENTER BUSHINGS WITH BAR PIN ADJUSTABLE END CONNECTIONS		
	FORE/AFT CONTROL RODS		
Brake System			
	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		

	Description	Weight Front	Weight Rear
	STANDARD U.S. FRONT BRAKE VALVE WITH ABS VALVES IN RAILS WITH RH HEAT SHIELDING		
	RELAY VALVE WITH 5-8 PSI CRACK PRESSURE, NO REAR PROPORTIONING VALVE		
	BW AD-9 BRAKE LINE AIR DRYER WITH HEATER	20	
	BENDIX OIL COALESCING FILTER FOR AIR DRYER		
*	AIR DRYER MOUNTED INBOARD ON LH RAIL		
	LOCATE LH INRAIL AT FRAME STATION 4500		
*	ALUMINUM AIR BRAKE RESERVOIRS. CUSTOMER ACCEPTS TANKS MOUNTED PERPENDICULAR TO RAIL		
	CLEAR FRAME RAILS FROM BACK OF CAB TO FRONT REAR SUSPENSION BRACKET, BOTH RAILS OUTBOARD		
	PULL CABLE ON WET TANK, PETCOCK DRAIN VALVES ON ALL OTHER AIR TANKS		
	METALLIC AIR MANIFOLD MOUNTED TO BACK OF CAB CROSSMEMBER WITH SIX 1/4 INCH FITTINGS AND 70 PSI PROTECTION VALVE	5	

Trailer Connections

UPGRADED CHASSIS MULTIPLEXING UNIT

Wheelbase & Frame

7025MM (277 INCH) WHEELBASE		
7/16X3-9/16X11-1/8 INCH STEEL FRAME (11.11MMX282.6MM/0.437X11.13 INCH) 120KSI	810	140
1/4 INCH (6.35MM) C-CHANNEL INNER FRAME REINFORCEMENT	240	460
1800MM (71 INCH) REAR FRAME OVERHANG		
FRAME OVERHANG RANGE: 71 INCH TO 80 INCH	-30	130
24 INCH INTEGRAL FRONT FRAME EXTENSION	140	-20
CALC'D BACK OF CAB TO REAR SUSP C/L (CA) : 193.54 in		
CALCULATED EFFECTIVE BACK OF CAB TO REAR SUSPENSION C/L (CA) : 190.54 in		
CALC'D FRAME LENGTH - OVERALL : 399.69		
CALC'D SPACE AVAILABLE FOR DECKPLATE : 193.54 in		
CALCULATED FRAME SPACE LH SIDE : 121.76 in		
CALCULATED FRAME SPACE RH SIDE : 161.68 in		
OVER/UNDER CAB CROSSMEMBER		

	Description	Weight Front	Weight Rear
	SQUARE END OF FRAME		
	FRONT CLOSING CROSSMEMBER		
	STANDARD WEIGHT ENGINE CROSSMEMBER		
	STANDARD MIDSHIP #1 CROSSMEMBER(S)		
	STANDARD REARMOST CROSSMEMBER		
	LOCATE REARMOST CROSSMEMBER 960MM AFT OF SUSPENSION C/L		
	STANDARD SUSPENSION CROSSMEMBER		
Chassis Equipment			
	OMIT FRONT BUMPER, CUSTOMER INSTALLED SPECIAL BUMPER, DOES NOT COMPLY WITH FMCSR 393.203	-100	
	GRADE 8 THREADED HEX HEADED FRAME FASTENERS INSTALLED WITH BOLT HEADS ON OUTSIDE OF FRAME		
	D15-16004-000 CENTER PUNCH TO MARK CENTERLINE OF REAR SUSPENSION ON FRAME WEB		
Fuel Tanks			
	100 GALLON/378 LITER ALUMINUM FUEL TANK - LH	20	
	25 INCH DIAMETER FUEL TANK(S)		
	PLAIN ALUMINUM/PAINTED STEEL FUEL/HYDRAULIC TANK(S) WITH PAINTED BANDS		
	FUEL TANK(S) FORWARD		
	PLAIN STEP FINISH		
	FUEL TANK CAP(S)		
	DAVCO 482 FUEL/WATER SEPARATOR	10	
	EQUIFLO INBOARD FUEL SYSTEM		
	AUXILIARY FUEL SUPPLY AND RETURN PORTS LOCATED ON LH FUEL TANK		
	HIGH TEMPERATURE REINFORCED NYLON FUEL LINE		
	FUEL COOLER MOUNTED RIGHT HAND IN RAIL MOUNTED DIRECTLY BOC		
Tires			
	MICHELIN XZY-3 425/65R22.5 20 PLY RADIAL FRONT TIRES	196	
	MICHELIN XDE M/S 11R22.5 14 PLY RADIAL REAR TIRES		56
Hubs			
	CONMET PRESET PLUS IRON FRONT HUBS		

	Description	Weight Front	Weight Rear
Wheels	CONMET PRESET PLUS IRON REAR HUBS		
	ALCOA LVL ONE 82462X 22.5X12.25 10-HUB PILOT 4.68 INSET 10-HAND ALUMINUM DISC FRONT WHEELS	-8	
	ALCOA LVL ONE 88367X 22.5X8.25 10-HUB PILOT ALUMINUM DISC REAR WHEELS		-200
	POLISHED FRONT WHEELS; OUTSIDE ONLY POLISHED REAR WHEELS; OUTSIDE OF OUTER WHEELS ONLY		
Cab Exterior	114 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB		
	AIR CAB MOUNTS		
	NONREMOVABLE BUGSCREEN MOUNTED BEHIND GRILLE		
	3-1/2 INCH FENDER EXTENSIONS	15	
	LH AND RH EXTERIOR GRAB HANDLES WITH SINGLE RUBBER INSERT		
	BRIGHT FINISH RADIATOR SHELL/HOOD BEZEL		
	STATIONARY BLACK GRILLE WITH BRIGHT ACCENTS		
	CHROME 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		
	DOOR LOCKS AND IGNITION SWITCH KEYED THE SAME		
	HALOGEN COMPOSITE HEADLAMPS WITH BRIGHT BEZELS		
	LED AERODYNAMIC MARKER LIGHTS		
	DAYTIME RUNNING LIGHTS - LOW BEAM ONLY		
	INTEGRAL STOP/TAIL/BACKUP LIGHTS		
	STANDARD FRONT TURN SIGNAL LAMPS		
	DUAL WEST COAST BRIGHT FINISH HEATED MIRRORS WITH LH AND RH REMOTE		
	DOOR MOUNTED MIRRORS		
	102 INCH EQUIPMENT WIDTH		

Description	Weight Front	Weight Rear
LH AND RH 8 INCH BRIGHT FINISH CONVEX MIRRORS MOUNTED UNDER PRIMARY MIRRORS		
RH DOWN VIEW MIRROR		
STANDARD SIDE/REAR REFLECTORS		
RH AFTERTREATMENT SYSTEM CAB ACCESS WITH STEEL SHIELDING		
COMPOSITE EXTERIOR SUN VISOR	10	
63X14 INCH TINTED REAR WINDOW		
TINTED DOOR GLASS LH AND RH WITH TINTED OPERATING WING WINDOWS		
RH AND LH ELECTRIC POWERED WINDOWS, PASSENGER SWITCHES ON DOOR(S)	8	
LOWER RH DOOR WINDOW WITH FRESNEL LENS	7	
TINTED WINDSHIELD		
8 LITER WINDSHIELD WASHER RESERVOIR, CAB MOUNTED, WITH FLUID LEVEL INDICATOR		
Cab Interior		
OPAL GRAY VINYL INTERIOR		
MOLDED PLASTIC DOOR PANEL WITHOUT VINYL INSERT WITH ALUMINUM KICKPLATE LOWER DOOR		
MOLDED PLASTIC DOOR PANEL WITHOUT VINYL INSERT WITH ALUMINUM KICKPLATE LOWER DOOR		
BLACK MATS WITH SINGLE INSULATION		
DASH MOUNTED ASH TRAYS AND LIGHTER		
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 WITH SNOW SHIELD FOR FRESH AIR INTAKE		
MAIN HVAC CONTROLS WITH RECIRCULATION SWITCH		
STANDARD HEATER PLUMBING WITH BALL SHUTOFF VALVES AT SUPPLY LINES ONLY		
DENSO HEAVY DUTY AIR CONDITIONER COMPRESSOR		
BINARY CONTROL, R-134A		

Description	Weight Front	Weight Rear
PREMIUM INSULATION		
SOLID-STATE CIRCUIT PROTECTION AND FUSES		
12V NEGATIVE GROUND ELECTRICAL SYSTEM		
DOVE DOOR ACTIVATED LH AND RH, DUAL READING LIGHTS, FORWARD CAB ROOF		
LH AND RH ELECTRIC DOOR LOCKS		
(1) 12 VOLT POWER SUPPLY IN DASH		
PREMIUM HIGH BACK AIR SUSPENSION DRIVER SEAT WITH 3 CHAMBER AIR LUMBAR, INTEGRATED CUSHION EXTENSION, FORWARD AND REAR CUSHION TILT, ADJUSTABLE SHOCK ABSORBER	70	
PREMIUM HIGH BACK AIR SUSPENSION PASSENGER SEAT WITH 3 CHAMBER AIR LUMBAR, INTEGRATED CUSHION EXTENSION, FORWARD AND REAR CUSHION TILT, ADJUSTABLE SHOCK ABSORBER	60	20
DUAL DRIVER AND PASSENGER SEAT ARMRESTS	8	
LH AND RH INTEGRAL DOOR PANEL ARMRESTS		
BLACK MORDURA CLOTH DRIVER SEAT COVER		
BLACK MORDURA CLOTH PASSENGER SEAT COVER		
3 POINT HIGH VISIBILITY ORANGE RETRACTOR DRIVER AND PASSENGER SEAT BELTS		
ADJUSTABLE TILT AND TELESCOPING STEERING COLUMN	10	
4-SPOKE 18 INCH (450MM) STEERING WHEEL		
DRIVER AND PASSENGER INTERIOR SUN VISORS		

Instruments & Controls

GRAY DRIVER INSTRUMENT PANEL		
GRAY CENTER INSTRUMENT PANEL		
BLACK GAUGE BEZELS		
LOW AIR PRESSURE INDICATOR LIGHT AND AUDIBLE ALARM		
2 INCH PRIMARY AND SECONDARY AIR PRESSURE GAUGES		
DASH MOUNTED AIR RESTRICTION INDICATOR WITH GRADUATIONS		
97 DB BACKUP ALARM		3
ELECTRONIC CRUISE CONTROL WITH SWITCHES IN LH SWITCH PANEL		

Description	Weight Front	Weight Rear
KEY OPERATED IGNITION SWITCH AND INTEGRAL START POSITION; 4 POSITION OFF/RUN/START/ACCESSORY		
ICU3S, 132X48 DISPLAY WITH DIAGNOSTICS, 28 LED WARNING LAMPS AND DATA LINKED		
HEAVY DUTY ONBOARD DIAGNOSTICS INTERFACE CONNECTOR LOCATED BELOW LH DASH		
2 INCH ELECTRIC FUEL GAUGE		
PROGRAMMABLE RPM CONTROL - ELECTRONIC ENGINE		
ELECTRICAL ENGINE COOLANT TEMPERATURE GAUGE		
TRANSMISSION OIL TEMPERATURE INDICATOR LIGHT		
ENGINE AND TRIP HOUR METERS INTEGRAL WITHIN DRIVER DISPLAY		
ELECTRIC ENGINE OIL PRESSURE GAUGE		
AM/FM/WB RADIO WITH CD PLAYER, BLUETOOTH AND MICROPHONE, USB, FRONT AND REAR AUXILIARY INPUTS AND J1939	10	
DASH MOUNTED RADIO		
(2) RADIO SPEAKERS IN CAB		
AM/FM ANTENNA MOUNTED ON FORWARD LH ROOF	2	
ELECTRONIC MPH SPEEDOMETER WITH SECONDARY KPH SCALE, WITHOUT ODOMETER		
STANDARD VEHICLE SPEED SENSOR		
ELECTRONIC 3000 RPM TACHOMETER		
DETROIT CONNECT VIRTUAL TECHNICIAN CONNECTIVITY PACKAGE (DETROIT ENGINES ONLY)		
2 YEARS DETROIT CONNECT VIRTUAL TECHNICIAN REMOTE DIAGNOSTICS SERVICE		
IGNITION SWITCH CONTROLLED ENGINE STOP		
FOUR ON/OFF ROCKER SWITCHES IN THE DASH WITH INDICATOR LIGHTS AND WIRE ROUTED TO CHASSIS AT BACK OF CAB, LABEL OPT		
DIGITAL VOLTAGE DISPLAY INTEGRAL WITH DRIVER DISPLAY		
SINGLE ELECTRIC WINDSHIELD WIPER MOTOR WITH DELAY		
MARKER LIGHT SWITCH INTEGRAL WITH HEADLIGHT SWITCH		

	Description	Weight Front	Weight Rear
Design	ONE VALVE PARKING BRAKE SYSTEM WITH WARNING INDICATOR		
	SELF CANCELING TURN SIGNAL SWITCH WITH DIMMER, WASHER/WIPER AND HAZARD IN HANDLE		
	INTEGRAL ELECTRONIC TURN SIGNAL FLASHER WITH HAZARD LAMPS OVERRIDING STOP LAMPS		
Color	PAINT: ONE SOLID COLOR		
	CAB COLOR A: L0006EB WHITE ELITE BC		
	BLACK, HIGH SOLIDS POLYURETHANE CHASSIS PAINT		
	NO FUEL TANK CABINET PAINT		
	SUNVISOR PAINTED SAME AS CAB COLOR A		
	STANDARD E COAT/UNDERCOATING		

Weight Summary

	Weight Front	Weight Rear	Total Weight
Factory Weight ⁺	10499 lbs	8540 lbs	19039 lbs
Total Weight ⁺	10499 lbs	8540 lbs	19039 lbs

2016 OBD/2010 EPA/CARB/GHG17 ESCALATOR
 2 YEAR SERVICE CONTRACT INCLUDED WITH VIRTUAL
 TECHNICIAN PRICING
 STANDARD DESTINATION CHARGE

Extended Warranty

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

(+) Weights shown are estimates only.

If weight is critical, contact Customer Application Engineering.

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

Q U O T A T I O N

114SD CONVENTIONAL CHASSIS

SET FORWARD AXLE - TRUCK

DETROIT DD13 12.8L 410 HP @ 1625 RPM, 1900 GOV
RPM, 1650 LB/FT @ 975 RPM

ALLISON 4000 RDS AUTOMATIC TRANSMISSION WITH
PTO PROVISION

RT-46-160P 46,000# R-SERIES TANDEM REAR AXLE

HENDRICKSON RT463 REAR SUSPENSION @ 46,000#

MFS-20-133A 20,000# FL1 71.0 INCH KPI/3.74 INCH
DROP SINGLE FRONT AXLE

20,000# FLAT LEAF FRONT SUSPENSION

114 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL
CAB

7025MM (277 INCH) WHEELBASE

7/16X3-9/16X11-1/8 INCH STEEL FRAME
(11.11MMX282.6MM/0.437X11.13 INCH) 120KSI

1800MM (71 INCH) REAR FRAME OVERHANG

1/4 INCH (6.35MM) C-CHANNEL INNER FRAME
REINFORCEMENT