

3921 W. 139th Street
Hawthorne, CA 90250

Date	Estimate #
4/11/2022	27971

Name / Address
City of Riverside Finance Department Purchasing Division 3900 Main Street, City Hall Riverside, CA 92522

Ship To
City of Riverside Attn: Sewer Plant Maintenance 5950 Acorn Street Riverside, CA 92504 Attn Jeff

Signature and Na...

Fax #
(310)355-1711

Specifications For: RIVERSIDE, CA

1 FORD TRANSIT GAS CARGO VAN 2X4 CHASSIS

- 1 3.5L V6 Gas Engine
- 1 6-Speed Automatic Transmission
- 1 10360 lb. GVWR
- 1 148" Wheel Base
- 1 Cab Air Conditioner
- 1 AM / FM Radio

1 MEPS UNDER HOOD GENERATOR (SPARE)

2 LED TRAFFIC ADVISOR, WHEEL TITLE XIII – FRONT AND REAR MOUNT

1 POWER BOOM CRANE WITH LED LIGHTING, FLOOR MOUNT

Power actuated boom extends and retracts up to 24" at the touch of a button for precise deployment/retrieval placement of the transporter/camera, 750 lb. capacity, Yellow Retrieval Hook, 75' x 5/32" Cable Length, Floor Mounted, 12VDC, Push Button 4-Function Detachable 12' Pendant Control, Powder Coat Finish. High intensity LED lighting to help light up the manhole to assist in deployment/retrieval of the transporter/camera.

1 POWER BOOM CRANE CONTROLLER HOLDER

1 WIRELESS POWERBOOM CRANE CONTROLLER

1 BACK-UP COLOR CAMERA SYSTEM [CHASSIS]

1 TRANSIT VAN EXTERIOR LIGHTING & CONTROL ROOM - EVOLUTION 3.0 TO INCLUDE:

- 2 Amber Title XIII Strobe Warning Beacons
- 2 Adjustable LED Floodlights Rear of Vehicle Area Illumination
- Control Room Interior:
 - 1 Lonseal Lonsplate Flooring
 - 1 Kemlite Wall & Ceiling Covering
 - 1 Bulkhead Wall With Passage Door From Control Room to Equipment Room
 - 1 Tinted Viewing Window in Bulkhead Wall
 - 1 Tinted Viewing Window in Bulkhead Door
 - 1 Above Desk Control Console with Rack Mount for Electronic Equipment
 - 1 Desktop / Work Area
 - 1 LED Light Fixture
 - 2 Electrical Outlet with Dual Receptacles
 - 1 Fire Extinguisher with Bracket, 10BC Rating
 - 1 Operators Chair
 - 1 Breaker Box Storage Area with Locking Positive Latch

1 ROOF TOP AIR CONDITIONER, 13,500 BTU WITH HEAT STRIP

1 WALL MOUNTED ELECTRIC HEATER

1 WALL MOUNTED ELECTRIC HEATER HOUSING

1 BENCH SEAT IN VIEWING ROOM

1 CUSHION FOR BENCH SEAT

- 1 TRANSIT VAN EQUIPMENT ROOM INTERIOR - EVOLUTION 3.0 TO INCLUDE:**
 - 1 Lonseal Lonplate Flooring
 - 1 Kemlite Wall & Ceiling Covering
 - 1 Electrical Outlet with Dual Receptacles
 - 1 LED Light Fixture
- 1 MULTI-OUTLET WORKSTATION WITH LIGHTS AND USB PORTS**
- 1 LONSEAL LONPLATE FLOORING IN EQUIPMENT ROOM**
- 1 10-GALLON WASHDOWN SYSTEM TO INCLUDE:**
 - 1 10-Gallon Fresh Water Tank
 - 1 Electric Water Pump
 - 1 Retractable Hose Reel with 25'Water Hose and Nozzle
- 1 UPPER AND LOWER STORAGE CABINET IN EQUIPMENT ROOM**
 - 1 Lower Storage Cabinet / Work Top
 - 1 Upper Wall Mounted Storage Cabinet
- 1 ADD SINK AND FAUCET**
- 1 1 DRAWER STORAGE UNDER TV CABLE REEL**
- 1 5-DRAWER TOOL CHEST, MODULINE**
- 1 24" REAR FLATSCREEN MONITOR MOUNTED ON A SIDEWALL OF THE REARMOST SECTION OF THE UNIT**
 - 1 FlatScreen Monitor
 - 1 Cable Assembly - Video Monitor to Monitor in Control Room
 - 1 Monitor Mounting Bracket for SIDEWALL
- 1 ON-BOARD AC POWER SYSTEM, DYNAMIC INVERTER, 6.3KW**
- 1 DIGITAL ENGINEERING PANEL FOR INVERTER SYSTEM, BLACK**
- 1 OZ2 P&T ZOOM M/C LED CAMERA**
 - 1 Solid State Color Sewer TV Camera
 - 1 Pan & Rotate Camera Head, 40:1 Zoom Ratio, 10x Optical Zoom, 4x Digital Zoom
 - 1 NTSC Color Standard with 4x Light Integration
 - 1 4 x 5W Cluster LEDs for 6" through 72" lines
 - 1 Camera Transportation and Storage Case
- 1 21" TRAC TRANSPORTER M/C TO INCLUDE:**
 - 1 6" Trac Transporter with Freewheel and Powered Reverse
 - 1 Y Eliminator
- 1 8"-15" EXTENDERS FOR 21" TRAC TRANSPORTER**
- 1 SPARE PARTS KIT FOR TRAC TRANSPORTER TO INCLUDE:**
 - 1 Additional Chain Links And Rubber Cleats
- 1 12/5/4 ADAPTER CABLE**
- 1 1500' CABLE ASSEMBLY, M/C 12PIN METAL**
 - 1 1500'Gold Multi Conductor Kevlar Fiber Armored Combination TV Transmission / Tow Cable
 - 1 .450 Diameter
 - 1 Metal Solice Chamber with Pintail

1 Cable Strain Relief

1 TV REEL ASSEMBLY, MECHANICAL FOOTAGE FOR SUMMIT .450 CABLE

- 1 Black Thermoplastic Powder Coated Frame
- 1 Power Levelwind & Multi Ratio Manual Transmission
- 1 Footage Meter with Local Counter and Remote Electronic Counter
- 1 Transmission Control at Viewing Station
- 1 Local Reel Mount Electrical and Mechanical Control
- 1 Sealed Continuous Contact Collector Assembly
- 1 Removable Drip Pan for Cleaning

- 1 AUTOMATIC PAYOUT SYSTEM FOR REEL - INSTALLED**
- 2 19" (MINIMUM) FLATSCREEN COLOR INDUSTRIAL TV MONITOR NTSC / PAL COLOR STANDARDS**
- 2 MOUNTING HARDWARE FOR MONITOR to include Bracket(s), and / or Mount(s), and Miscellaneous hardware required to secure monitor for optimal safety and viewing.**
- 1 PCU ASSEMBLY [RACK MOUNT]**
- 1 CCU ASSEMBLY [RACK MOUNT]**
 - 1 Alpha Numeric Information Display, with Multi Paging and Defect Coding
 - 1 Remote "QWERTY" Keyboard
 - 1 On Screen Footage Display
- 1 WIRELESS CONTROLLER**
 - 1 Joystick Control for Pan and Tilt Zoom Camera to Include:
 - 1 360 Degree Rotate
 - 1 330 Degree Optical Pan
 - 1 Joystick Control for All Steering Functions & Forward / Reverse Directions for Transporter
 - 1 Camera Lift Control for Optional Electronic Camera Lift
 - 1 All Other Controls for Camera to Include:
 - 1 Camera Iris and Focus Override & Zoom
 - 1 Camera Lights & Shutter Control for Light Enhancement
 - 1 Camera Diagnostics & Auto Home
 - 1 Cruise Control to Set Speed of the Transporter for Hands Off Operation
 - 1 All Reel Controls to Include: Retrieve, Release, and Variable Speed [Excluding Dolly Systems]
- 1 WIRED USB CONTROLLER**
 - 1 Joystick Control for Pan and Tilt Zoom Camera to Include:
 - 1 360 Degree Rotate
 - 1 330 Degree Optical Pan
 - 1 Joystick Control for All Steering Functions & Forward / Reverse Directions for Transporter
 - 1 Camera Lift Control for Optional Electronic Camera Lift
 - 1 All Other Controls for Camera to Include:
 - 1 Camera Iris and Focus Override & Zoom
 - 1 Camera Lights & Shutter Control for Light Enhancement
 - 1 Camera Diagnostics & Auto Home
 - 1 Cruise Control to Set Speed of the Transporter for Hands Off Operation
 - 1 All Reel Controls to Include: Retrieve, Release, and Variable Speed [Excluding Dolly Systems]
- 1 8.7" MINI KEYBOARD**
- 1 SHORTING PLUG**
- 1 TEST CABLE**
- 1 [RACK MOUNT] COMPUTER W/GraniteNet PREMIUM TO INCLUDE (MINIMUM):* ****
 - 1 Motherboard with Intel 8th Gen. LGA 1151 Socket; Intel Z390 Chipset
 - 1 Intel Core i7-8700 Processor at 3.2 GHz

- 1 Intel UHD Graphics 630 with HDMI / Display Port
- 1 Graphics Card 2GB with VGA/DVI/HDMI
- 1 8 GB DDR4 RAM, 2400 MHz
- 1 Intel Gigabit Network adapter
- 1 Network adapter LAN port PCIE
- 1 Wireless AC 9462 802.11 a/b/g/n/ac
- 1 Bluetooth 3.0, 4.0, 5.0
- 4 USB 3.1 Gen 1 ports (2 rear, 2 front)
- 2 USB 3.1 Gen 2 ports (1 type A, 1 type C)
- 2 USB 2.0 Ports
- 1 250 Gigabyte M.2 Solid State Drive
- 1 1 Terabyte SATA Hard Drive, 7200 RPM
- 1 DVD +/- RW Optical Drive
- 1 USB Video Capture Device for MPEG 1 / 2 / 4 / WMV
- 2 RS232 Serial Comm Ports
- 1 500 Watt 1U ATX Power Supply
- 1 Industrial Hardened Case Slim 2U Design for 19" Rack
- 1 Windows 10 Professional 64-bit Operating System
- 1 GraniteNet Premium Software

*Spec for computers can change without notice

**International Configuration may vary to comply with the U.S. Department of Commerce, Bureau of Industry & Security regulations on export of technology

1 WIRELESS KEYBOARD AND MOUSE SET

1 INKJET PRINTER

1 GraniteNet PREMIUM SOFTWARE SUPPORT PLAN

1 ALL NECESSARY CABLING AND COMPONENTS TO COMPLETE THE INTERFACE BETWEEN THE DATA ACQUISITION SYSTEM, PERIPHERALS, AND THE VIDEO INSPECTION EQUIPMENT

1 KIT, UPS, BELOW MOUNT TO INCLUDE THE FOLLOWING:

- 1 Input 120-Volt / Output 120-Volt
- 1 Cord Management Straps

1 PACP MODULE GraniteNet SOFTWARE

1 MEDIA LINKING MODULE GraniteNet SOFTWARE

1 SOFTWARE, MPEG4 H.264 MODULE GNET

1 ESRI INTERFACE MODULE GraniteNet SOFTWARE

1 LATERAL INSPECTION MODULE GraniteNet SOFTWARE

1 SELF PROPELLED LATERAL INSPECTION / EVALUATION SYSTEM, WHEELED, FOR 6" - 15" MAINLINE AND 3" - 8" LATERAL INSPECTION, WITH PAN AND TILT / ZOOM MAINLINE CAMERA, AND WIRELESS CONTROL TO INCLUDE:

- 1 Mainline Pan, Tilt, and Zoom Camera to Include:
 - 1 Mainline Solid State Color Sewer TV Camera with:
 - 1 Pan, Tilt & Rotate Camera Head
 - 1 40:1 Zoom Ratio, 10x Optical Zoom, 4x Digital Zoom, NTSC Color Standard
 - 1 360 Degree Range of Rotation, 270 Pan Viewing Angle, Panning 360 Degrees
 - 1 Auto Iris, Auto Focus, Manual Override of Focus and Iris
 - 1 Camera will also be Used for:
 - 1 Monitoring Lateral Pan & Tilt Camera During Extend / Retract Operation
 - 1 Light Assembly, Pan & Tilt Zoom Camera, 6" - 72" lines
 - 1 White LED Field Replaceable Lamps
 - 1 Automatic Centering
 - 1 Lateral Launcher, for Lateral Pan and Tilt Camera to include:
 - 1 Self Propelled Launcher Robot with Freewheel, Forward, and Power Reverse
 - 1 Camera Head Mounting Assembly with Rotation Positioning, Articulating Hinge
 - 1 Push Cable Drive Assembly - Two-Speed Extend / Retract Camera Positioning
 - 1 Rear tip-up connector
 - 1 Interconnect Cable for Launcher to Push Cable
 - 1 Interconnect Cable for Control System to Power Control Unit
 - 1 Single-point quick wheel removal system
 - 1 6 each 3.5" diameter tires for 6" pipe
 - 1 6 each 4.375" diameter tires for 8" pipe
 - 1 6 each 5" diameter tires for 10"-15" pipe
 - 1 Pneumatic Tire Kit for 12" - 15" pipe
 - 1 Rear Housing Assembly to Add Optional Rear View Color Camera
 - 1 LAUNCHER MUST BE LATERAL PAN & TILT CAMERA READY
 - 1 Lateral Reel / Control Assembly / Wireless Controller
 - 1 Electric Reel with Slipping and Clutch for:
 - 1 Powered Retrieve of Push Cable
 - 1 Control System to Include Launcher / Self Propelled Robot Control with:
 - 1 Extend / Retract, Left / Right Rotation, Camera Selection
 - 1 1000 ft. Video Cable with Cable End Termination
 - 1 Controller with Forward, Freewheel, and Power Reverse / Variable Speed
- Control:
- 1 Self-Propelled Launcher Robot
 - 1 All Launcher, Camera, and Reel Functions Shall be Controlled by the Wireless Hand Held Summit System Controller
 - 1 Compact Mainline Video Monitor
- 1 **SELF-LEVELING COLOR CAMERA WITH BUILT-IN SONDE KIT FOR USE WITH LAMP SYSTEM to include:**
 - 1 Self-Leveling / Built-In SONde Mini Camera
 - 1 Lateral Camera Spring Assembly
 - 1 Centering Ball
 - 1 **REAR VIEW CAMERA ASSEMBLY FOR USE WITH LAMP SYSTEM**
 - 1 Color NTSC Camera
 - 1 Lightening with (12) Solid State White LEDs
 - 1 **QUICK CABLE LOCK PIGTAIL COUPLER KIT**
 - 1 **150' PUSH CABLE FOR LATERAL INSPECTION SYSTEM**
 - 1 **SPARE 150' PUSH CABLE FOR LATERAL INSPECTION SYSTEM**
 - 6 **WHEEL, STEEL, 8", SINGLE PT, SPIKE**
 - 6 **WHEEL, STL, 10-15" PIPE, QCK CHG, SPIKE**

Vehicle Configuration Options

ENGINE	
Code	Description
ERB	ENGINE: 3.6L V6 24V VVT, (STD)
TRANSMISSION	
Code	Description
DG2	TRANSMISSION: 6-SPEED AUTOMATIC 62TE, (STD)
WHEELS	
Code	Description
WCS	WHEELS: 16" X 6.0" STEEL, (STD)
TIRES	
Code	Description
TWA	TIRES: LT225/75R16E BSW ALL SEASON, (STD)
PRIMARY PAINT	
Code	Description
PW7	BRIGHT WHITE CLEARCOAT
PAINT SCHEME	
Code	Description
___	STANDARD PAINT
SEAT TYPE	
Code	Description
B7X9	BLACK, VINYL BUCKET SEATS
ADDITIONAL EQUIPMENT	
Code	Description
GEA	DRIVER SIDE 2ND ROW FIXED WINDOW, -inc: Deep Tint Sunscreen Glass
GKS	PASSENGER SLIDING DOOR W/WINDOW (POLYCARB), -inc: Deep Tint Sunscreen Glass
UAB	RADIO: UCONNECT 3 NAV W/5" DISPLAY, -inc: GPS Navigation, GPS Antenna Input
NHM	SPEED CONTROL
CDU	DRIVER/PASSENGER 6-WAY ADJUSTABLE LUMBAR SEATS
CPOS PKG	

Code	Description
21A	QUICK ORDER PACKAGE 21A, -inc: Engine: 3.6L V6 24V VVT, Transmission: 6-Speed Automatic 62TE

2021 Fleet/Non-Retail Ram ProMaster Cargo Van 3500 High Roof 159" WB EXT

WINDOW STICKER

2021 Ram ProMaster Cargo Van 3500 High Roof 159" WB EXT

CODE	MODEL	MSRP
VF3L17	2021 Ram ProMaster Cargo Van 3500 High Roof 159" WB EXT	\$42,015.00
OPTIONS		
ERB	ENGINE: 3.6L V6 24V VVT, (STD)	\$0.00
DG2	TRANSMISSION: 6-SPEED AUTOMATIC 62TE, (STD)	\$0.00
WCS	WHEELS: 16" X 6.0" STEEL, (STD)	\$0.00
TWA	TIRES: LT225/75R16E BSW ALL SEASON, (STD)	\$0.00
PW7	BRIGHT WHITE CLEARCOAT	\$0.00
—	STANDARD PAINT	\$0.00
B7X9	BLACK, VINYL BUCKET SEATS	\$200.00
GEA	DRIVER SIDE 2ND ROW FIXED WINDOW, -inc: Deep Tint Sunscreen Glass	\$295.00
GKS	PASSENGER SLIDING DOOR W/WINDOW (POLYCARB), -inc: Deep Tint Sunscreen Glass	\$295.00
UAB	RADIO: UCONNECT 3 NAV W/5" DISPLAY, -inc: GPS Navigation, GPS Antenna Input	\$525.00
NHM	SPEED CONTROL	\$345.00
CDU	DRIVER/PASSENGER 6-WAY ADJUSTABLE LUMBAR SEATS	\$245.00
21A	QUICK ORDER PACKAGE 21A, -inc: Engine: 3.6L V6 24V VVT, Transmission: 6-Speed Automatic 62TE	\$0.00

Please note selected options override standard equipment

SUBTOTAL	\$43,920.00
Advert/ Adjustments	\$0.00
Manufacturer Destination Charge	\$1,695.00
TOTAL PRICE	\$45,615.00

Est City: N/A MPG
 Est Highway: N/A MPG
 Est Highway Cruising Range: N/A mi

Any performance-related calculations are offered solely as guidelines. Actual unit performance will depend on your operating conditions.

Standard Equipment

MECHANICAL

Engine: 3.6L V6 24V VVT
Transmission: 6-Speed Automatic 62TE
3.86 Axle Ratio
Heavy Duty Suspension
GVWR: 9,350 lbs
50 State Emissions
Transmission w/Driver Selectable Mode, Sequential Shift Control and Oil Cooler
Front-Wheel Drive
Engine Oil Cooler
95-Amp/Hr 800CCA Maintenance-Free Battery w/Run Down Protection
180 Amp Alternator
Towing Equipment -inc: Trailer Sway Control
4330# Maximum Payload
Gas-Pressurized Shock Absorbers
Front And Rear Anti-Roll Bars
Hydraulic Power-Assist Steering
24 Gal. Fuel Tank
Single Stainless Steel Exhaust
Strut Front Suspension w/Coil Springs
Leaf Rear Suspension w/Leaf Springs
4-Wheel Disc Brakes w/4-Wheel ABS, Front And Rear Vented Discs, Brake Assist and Hill Hold Control
Brake Actuated Limited Slip Differential

EXTERIOR

Wheels: 16" x 6.0" Steel
Tires: LT225/75R16E BSW All Season
Center Wheel Cap
Steel Spare Wheel
Full-Size Spare Tire Mounted Underbody
Clearcoat Paint
Black Front Bumper
Black Rear Step Bumper
Gray Bodyside Moldings and Gray Fender Flares
Black Side Windows Trim
Black Door Handles
Black Manual Side Mirrors w/Convex Spotter, Manual Folding and Turn Signal Indicator

Trailer Style Mirrors
Light Tinted Glass
Variable Intermittent Wipers
Fully Galvanized Steel Panels
Silver Grille
Sliding Rear Passenger Side Door
Split Swing-Out Rear Cargo Access
Tailgate/Rear Door Lock Included w/Power Door Locks
Aero-Composite Halogen Headlamps
Cab Clearance Lights

ENTERTAINMENT

Radio: Uconnect 3 w/5" Display
Radio w/Seek-Scan, Clock and Speed Compensated Volume Control
Streaming Audio
Integrated Roof Antenna
4 Speakers
Steering Wheel Mounted Audio Controls
Media Hub (USB, AUX)
Media Input Hub
Integrated Voice Command w/Bluetooth

INTERIOR

4-Way Driver Seat -inc: Manual Recline and Fore/Aft Movement
4-Way Passenger Seat -inc: Manual Recline and Fore/Aft Movement
Manual Telescoping Steering Column
Gauges -inc: Speedometer, Odometer, Engine Coolant Temp, Tachometer, Trip Odometer and Trip Computer
Front Cupholder
Remote Keyless Entry w/Integrated Key Transmitter and Illuminated Entry
Manual Air Conditioning
Glove Box
Driver Foot Rest
Front Cloth Headliner
Urethane Gear Shifter Material
Cloth Bucket Seats
Day-Night Rearview Mirror
1 12V DC Power Outlet
Front Map Lights

Fade-To-Off Interior Lighting
Front Only Vinyl/Rubber Floor Covering
Cargo Space Lights
FOB Controls -inc: Cargo Access
5.0" Touchscreen Display
Instrument Panel Bin, Covered Dashboard Storage, Driver And Passenger Door Bins
Power 1st Row Windows w/Driver And Passenger 1-Touch Down
Power Door Locks w/Autolock Feature
Systems Monitor
Trip Computer
Outside Temp Gauge
Analog Appearance
Seats w/Vinyl Back Material
Fixed Front Head Restraints
Engine Immobilizer

SAFETY

Crosswind Assist Electronic Stability Control (ESC) And Roll Stability Control (RSC)
ABS And Driveline Traction Control
Side Impact Beams
Dual Stage Driver And Passenger Seat-Mounted Side Airbags
Tire Specific Low Tire Pressure Warning
Dual Stage Driver And Passenger Front Airbags
Curtain 1st Row Airbags
Outboard Front Lap And Shoulder Safety Belts -inc: Height Adjusters and Pretensioners
ParkView Back-Up Camera