

**Equipment Specifications**

Quantity - 1 only	
Description of Equipment: One Mobile Water Supply Fire Apparatus Type 1 Tactical Tender	

**1. GENERAL**

Yes/No

The apparatus shall meet all requirements of NFPA 1900 Standard Aircraft Rescue and Firefighting Vehicles, Automotive Fire Apparatus, Wildland Fire Apparatus, and Automotive Ambulances	
The apparatus shall comply with all applicable motor vehicle laws and regulations in effect in the province of British Columbia at the date of contract for purchase including weight distribution with a full load of equipment, water and personnel. Note: where an overweight permit may be required, the manufacturer must indicate so.	
Warranty - Plumbing - 10 Year	
Pump Panel Drawing	
Position Indicator for Akron Monitor	
Folding hose hooks on rear of body	
tie down tracks around fill towers	
Motorola CM300D radio and Antenna	
Headlights to be LED	

**Chassis**

The apparatus shall be a M2 Freightliner Two door Chassis. The apparatus shall have a :	
<ul style="list-style-type: none"> <li>• maximum overall height of 125 inches (10' 42")</li> <li>• length of 360 inches (30')</li> <li>• maximum wheelbase of 221 inches (18' 42")</li> </ul>	
Details of all standard chassis features to be provided as part of the proposal.	
Onspot chains and Set of Tire Chains - B.C. Compliant	
Console - with Joystick Mounting Location	
Console Option - Divider	
Console Option - Hinged Lid	
110 Volt Shoreline To Cab Interior Receptacle	
110 Volt Receptacle In Cab	
Tied To Existing Cab Exterior Receptacle	
Intercom System - Firecom - 2 User Wireless System	
Digital Intercom - Firecom - Single Radio - 5100D	
Intercom Radio Interface Cable - Motorola	
Wireless Base Station - WB505R	
Wireless Headsets - FHW505 - Radio Transmit	
Headset Hanger Hooks	
Engine is a minimum of 375 horsepower, with two or three stage engine brake (please specify in proposal). Manufacturer to provide a detailed readout of horsepower and torque curves.	
Chassis Drive - 4 x 4	
Aluminum Polished Front and Rear Wheels - Chassis Supplier	
Chrome Hub and Lug Nut Covers - Single Axle	
Chassis Supplied Anti Roll Stability	
Chassis Preparation - Commercial - Air Brakes	
Exhaust Piping - Horizontal - Curb Side - Freightliner	
Exhaust System Heat Shield	
Mud Flaps - Front and Rear	
Chained Ignition Key	
Step Trim - 2 Door Commercial Cab	
Two (2) Chassis Batteries - Single Battery Bank - Air Brakes	
Battery Charger Pkg - Xantrex Freedom HF1800 - Air Brake	
Battery Charger System Testing	
Battery Charger -Xantrex Freedom HF1800	
Air Inlet - Chassis Exterior - Auto Eject	
20 Amp Super Auto Eject Receptacle - Kussmaul Kit	
Battery Charge Indicator - Kussmaul Kit	
Chassis Supplied Jumper Studs	
Transportation Safety Pkg	
Fire Extinguisher - 2.5lb. ABC	
Cab Step Lights - LED	
Cab Door Lettering - Single Color with Shading	
Reflective Striping - 6" - 2 Door Cab	
Accent Stripe -2" Reflective - 2 Door Cab	
Reflective Striping - 4" - Cab Front	
Reflective Striping - Inner Door - 2 Door Chassis	
Helmet Holder Mount - Mount in back of cab	
911 seats in cab	
Helmet Holder with description of model providing	

**Pump House /Electrical/Plumbing**

	Side Pump House Slide Out Step	
	Pump House - Side Control - Aluminum	
	Commercial Chassis Installation	
	Master Gauge Test Ports	
	Pump By Pass Control	
	Heat Exchanger - Engine Cooler Control Valve	
	All valves, adjustments and controls will have labels (color coded if applicable) to indicate function or use. No duplicate numbering of outlets or inlets. Labelling to be standardized as per department requirements.	
	(2)- 1.5" Cross Lay Hose beds - Side Control	
	1.5" Cross Lay Discharge - Akron Electric Valve	
	Transverse Thread - NPSH	
	Valve - Akron Electric - 8620 - 2"	
	Electric Valve Actuator - Akron - Navigator 9327	
	Discharge Gauge - 2.5" - PSI & KPA	
	Drain Valves	
	Cross Lay Cover - Vinyl Tarp w/ End Flaps - Black - Velcro	
	Rubber Seal Between Pumphouse and Body	

	Pump Engagement Light	
	Side Pump Panel Light - LED	
	Pump Pannel Fuel Gauge	
	Pump House Interior Lights - LED	
	Pressure Governor - FRC - InControl 400	
	Master Pressure & Intake Gauge - 4.5" - PSI & KPA	
	Water Level Gauge - FRC - Tank Vision Pro - Master	
	Water Level Gauge - FRC - Tank Vision Pro - Remote	
	Water Level Gauge - FRC - Mini Tank Vision - Cab Dash	

**Pump Plumbing**

	PTO Hale Pump Side Control	
	Warranty - Pump - Hale - 5 Year Parts - 2 Years Labor	
	Warranty - Plumbing - 10 Year	
	Pump Operation Warning Label	
	Hale Pump Shaft Seal - Mechanical Seal	
	Pump - PTO - Installation	
	PTO Pump Actuation - Pump And Roll	
	Pump Primer - Hale ESP - Oil Less	
	Priming System Label	
	Suction Manifold - 6" - Hale - Stainless Steel	
	Chrome Suction Caps - 6"	
	Suction Valve (MIV) - Hale DSD - Right - Relief Valve - Electric	
	2.5" Aux. Suction - Road Side - Sched 10 S.S. - Akron Side Controlled	
	Valve - Akron Manual - 8825 - 2.5"	
	Valve Actuator - Chrome Swing Handle	
	Drain Valves - Innovative Controls	
	2.5" Aux. Suction - Curb Side - Sched 10 S.S. - Akron Side Controlled	
	Valve - Akron Manual - 8825 - 2.5"	
	Valve Actuator - Chrome Swing Handle	
	Drain Valves - Innovative Controls	
	Intake Relief Valve - Hale	
	Tank Fill Line - Akron - 2" - Electric	
	Tank Supplier - Tank Fill Port	
	Valve - Akron Electric - 8620 - 2"	
	Electric Valve Actuator - Akron - Navigator 9327	
	Electric Valve Actuator - Akron - Navigator 9327 Secondary	
	Discharge Manifold - Hale MBP - Stainless Steel	
	Tank to Pump - 4" Plumbing - 4" Butterfly Valve - Air	
	Tank Supplier - Tank to Pump Port	
	Butterfly Valve - 4" - Air Operated	
	Butterfly Valve Actuator - Air - Dual Control	

**2.5" Discharge - Akron Elec. Valve - Left Side Discharge**

	Valve - Akron Electric - 8625 - 2.5"	
	Electric Valve Actuator - Akron - Navigator 9327	
	Discharge Gauge - 2.5" - PSI & KPA	
	Drain Valves - Innovative Controls	

**2.5" Discharge - Akron Elec. Valve - Right Side Discharge**

Valve - Akron Electric - 8625 - 2.5"	
Electric Valve Actuator - Akron - Navigator 9327	
Discharge Gauge - 2.5" - PSI & KPA	
Drain Valves - Innovative Controls	

**Storz Suction - 4" Plumb - Rear - Akron Electric - Sched 10 S.S.**

4" Storz Fitting with cap and chain	
Intake Relief Valve - Elkhart	
Valve - Akron Electric - 8840 - 4"	
Electric Valve Actuator - Akron - Navigator 9327	
Drain Valves - Innovative Controls	

**Monitor - Akron - FireFox - Quick Disconnect - 12V**

Turret Mounting Bracket	
Monitor Joystick - Akron - Valve, Stow & Auto Oscillation	
Monitor Nozzle - Akron - FireFox - 12V Low Flow - Adjust Gal	
Monitor Valve - Electric - 2" - Akron	
Monitor Plumbing - Stainless Steel - Auto Drain - 2"	
Turret Discharge Gauge - Digital - Class 1	
Hi-Riser stow indicator light - Akron	
Electric Monitor Option - 12" Electric Riser	
Thread Type - Discharge - BAT	

**Four Ground Nozzles - Two (2) 1" KZCO Electric Valve - With Smart Controller**

Valve - KZCO Electric - 1"	
Electric Valve Controller - KZCO TSL	
Electric Valve Controller - KZCO TSL - Slave	

**2.5" Discharge - Front - Akron Elec. - Stainless Steel - Sched. 10**

Valve - Akron Electric - 8625 - 2.5"	
Electric Valve Actuator - Akron - Navigator 9327	
Discharge Gauge - 2.5" - PSI & KPA	
Drain Valves - Innovative Controls	
Reducing Adapter - Chrome - 2.5" x 1.5" w/ 1.5" Cap	

**Storz Discharge - 4" Plumb - Side - Akron Electric**

4" Storz Fitting with Cap and Chain	
Valve - Akron Electric - 8840 - 4"	
Electric Valve Actuator - Akron - Navigator 9327	
Discharge Gauge - 2.5" - PSI & KPA	
Drain Valves - Innovative Controls	
Foam System - Foam Pro 1600 - Injection - Class A	
Foam System Installation - 1600	
(2) Outlet Foam Discharge Manifold	
Foam Tank - Single Integral - 25 Imperial Gal	
Foam Gauge - FRC - Tank Vision Pro - Class A - Master	
Integral Foam Tank Will Deduct From Water Allowance - Single Foam Tank	

**Water Tank**

Water Tank - Poly - 1700 IG	
Warranty - Tank - Poly - Lifetime	
Water Tank - Poly - Painted Finish - 1700 IG	
4" Storz External Direct To Tank Fill - Fireman's Friend - Rear	
Tank Supplier - Direct Tank Fill Port	
Storz Adapter - Firemans Friend - 4"Storz / 2.5" Female	
Dump Valve - Newton S.S. - 180° Swivel - Rear	
Tank Supplier - Tank Dump Flange	
Tank Drain - 1.5" Gate Valve	
Hose Bed - Wetside Tanker - 1700 I.G.	
Tank Supplier - Hose Bed - 1700 IG	
Hose Bed Divider - Adjustable (quantity 3)	
Hose Bed Divider - 18" or Less In Height >>>	
Hose Bed Matting - Wetside Tanker - 1700	
Versatile Matting	
Hose Bed Cover - Vinyl Tarp w/ End Flap - Black	

**Apparatus Body & Compartments**

Compartment shelves shall be adjustable	
Roll out trays on bottom of cabinets	
D.O.T. Reflective on roll out trays	
Allowance for SCBA storage ( locations to be determined)	
allowance for SCBA Bottle storage total of 8 bottles with wheel well storage	
hose bed access steps	
Divider to block fill towers from dunnage storage area	
Body Compartments with lighting	
roll up doors on compartments	
Compartment Matting	
Taillight Wiring Cover Plate	
Rear Tow Eyes - Painted	
Tailboard Pkg - With Hose Bed Access Ladder	
Lighted handrails for rear hosebed Access ladder	
Step Lights - Hose Bed Access Step - LED	
Tailboard - 8" - Folding	
Body Handrails	
Folding Step - Body - Curb Side Rear	
Folding Step - Body - Curb Side Front	
Folding Step - Body - Road Side Front	
Pull-out Step rear	
Step Lights - LED - Specifications Only	
License Plate Lights	
Coffin Boxes - Roadside	
Coffin Box Doors	
Tray - Tip Down Standard Compt - 250lb	

**Emergency lighting**

Inverters - 12V - Xantrex Freedom HF1800	
Inverter Installation	
Power Switching Relay	
120V Receptacle - Duplex - Straight Blade - Interior	
120V Receptacle - Duplex - Straight Blade - Exterior	
Scene Light - Whelen - M9LZC - LED - Left	
Scene Light - Whelen - M9LZC - LED - Right	
Scene Light Box - Tank Manufacturer Supplied	
Scene Light - Whelen - M9LZC - LED - Rear	
Rear Scene Light Connected to Chassis Reverse	
Electrical System Multiplex	
Chassis Supplied Master Switch	
Emergency Warning Package - Whelen M series NFPA lighting package	
Whelen Warranty	
Taillights - Whelen -4 Light Bezel - LED	
Tail Light Bezel - Whelen - Plast4VL Light Bezel	
Brake Tail Lights - Whelen - M6 Series - LED	
Turn Tail Lights - Whelen - M6 Series - LED	
Backup Tail Lights - Whelen - M6 - LED	
Handheld Spot Light	
LED 12V Flood Light - Hose bed	
Ground Lighting - LED	
Door Ajar System - Chassis Supplied Door Ajar Light	
Clearance and Marker Lights - LED	
Mid Body Turn Signals - LED	
12V Two Way Radio Power Supply Line	
Chassis Antenna Mount Base	
Radio Install - Manufacture Supplied Radio for Cab	
Radio Installation Check and Setup installer	
Radio Faceplate	

**Paint & Decals**

Maltese Cross - Custom Made - Multi Color - Non Reflective	
Paint - Cab - Two Tone Color - Chassis Supplier	
Paint Break Striping	
Paint Process - PPG - 5 YR - Single Color	
Warranty - Sub frame - 5 Year	
Warranty - Body - 10 Year	
Warranty - Paint - PPG - 5 Year - Non Prorated	

	Warranty - Paint - Poly Tank - PPG - 5 Year - Non Prorated	
	Wheel Well Liner - High Density Polyethylene - Tandem Axle	
	ACT Paint Polish Finish #3 - Body	
	Body Undercoating - Corashield® - Complete Crossmembers / Innerbody / Wheelwells	
	Rust Inhibitor - Krown Process	
	Compartment Finish - Paint - Grey with Dark Grey Splatter - Formed Body	
	Reflective Striping - 6" - "Z" Stripe	
	Accent Stripe - 2" Reflective - Z Stripe	
	Accent Stripe Color - Same As Main Stripe	
	Upper Body Lettering - Reflective / Imitation. Gold Leaf	
	D.O.T. Reflective - Slide Out Trays	

**Equipment and Mounts**

	Porta-Tank - Husky - 2080 IG / 2500 USG - Alum - 22oz Vinyl	
	Ball Intake Relief Valve - TFT - Model AXD1SP-NX-T c/w Cap	
	Storz Cap With Chain - 4" - Kocheck	
	Wheel Chocks (set of 2) - Zico - SAC-44 Folding & Brackets	
	Suction Hose - Flex PVC - L/H Thread - Kocheck - 6" x 10' ( storz Connection)	
	Strainer - Low Level - Thread - 6"	
	Portable Tank Holder - Hydraulic - Folding Brackets - Zico	
	Porta Tank Rack Enclosure - Aluminum Painted	
	Tarp - Mesh - Porta Tank	
	Thomas Fire Equipment truck mount hose roller	