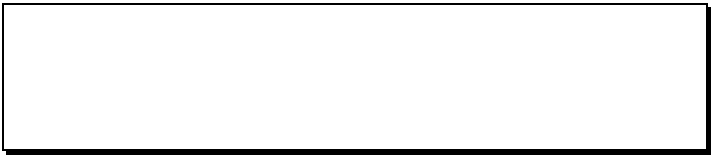




Indian Brook Volunteer Fire Department
 Deputy Chief John Malloy
 522 Church Street
 Indian Brook, NS B0N 1W0



Exp. Date: 10/01/2016
Quote No: JINNS-0017 **Job/Order No:** 19342
BODY: 00-10-15 Metalfab Pumper - ULC 05/13

08/21/2017

PART NO	S	STN CODE	DESCRIPTION	QTY	ID
	S		CHANGE ORDER H	1	MTL
00-00-0020	U		Exceptions/Clarifications to Request for Proposal	1	
00-10-1500			Metalfab Pumper E	1	MTL
00-20-1000			Company Profile E	1	MTL
00-20-1501	S		Extended Body Warranty - 3 year Metalfab Warranty	1	MTL
00-20-1550			Metalfab Limited Ten (10) Year Paint and Corrosion Warranty	1	MTL
00-20-1700			Hale Pump Warranty - 5 years	1	MTL
00-20-1800	S		Polypropylene Tank Lifetime Warranty	1	MTL
00-20-2000			Plant Visits - unlimited at customer expense	1	MTL
00-20-3000			No Bonding Required	1	MTL
00-20-3500			Certification for Fusion Welding of Aluminum	1	MTL
00-20-4000			Quality System registered to ISO 9001:2008	1	MTL
00-20-4500			Fire Apparatus Manufacturers' Association Membership	1	MTL
			GENERAL INFORMATION	1	MTL
10-11-0000			Intent E	1	MTL
10-11-0110			Vehicle data recorder included with chassis	1	MTL
10-11-1101	S <		ULC S515-13 and NFPA 1901-2009 Compliance	1	MTL
			Department will supply the NFPA 1901 loose equipment that is not listed in the RFP		
10-11-1500		>	ULC Testing - Pumper	1	MTL
10-11-2100	S		Maximum length - 28' or 336"	1	MTL
10-11-2200	S		Maximum height - 10' 5", +/- 2" or 125"	1	MTL
10-11-2300			Overall length is less than 30'	1	MTL
10-11-2500			General Construction	1	MTL
10-11-2600	S		Preconstruction Meeting	1	MTL
10-11-3000			Manuals - two copies	1	MTL
10-11-3600	S >		Delivery - FOB Fire Department	1	MTL
10-11-4000	<		Payment Terms - Chassis Net 10 days, Balance COD	1	MTL
			Tax exempt under the Indian Act Section 87		
			Indian Brook Volunteer Fire Department is under the Sipekne'Katic Reservation # 25		
			Tax exempt number: F23933		
10-20-1400	S < >		Hose capacity exceeding ULC/NFPA requirements	1	MTL
			Hose load the Customer expects to carry is as follows;		
			Rear hose bed:		
			1000' of 4" hi-vol		
			800' of 2.5"		
			600' of 1.75"		
			1-1/2" Speedlay hose beds:		
			400' of 1-3/4" (200' in each lay)		

PART NO	S	STN CODE	DESCRIPTION	QTY	ID
10-20-2000			Equipment carrying capacity - standard ULC Pumper	1	MTL
			CHASSIS INFORMATION	1	MTL
20-11-1000	S		Chassis supplied by Metalfab - Four door Freightliner M2 106	1	MTL
20-11-1500			2013 Emission chassis modifications	1	MTL
20-11-1600	S		Chassis Motor Vehicle Inspection as supplied from chassis dealer	1	MTL
20-21-0500		<	Fluid capacity plate *** To be installed in the front left side compartment ***	1	MTL
20-21-0600			Pumping test plate	1	MTL
20-21-1030			Maximum riders sign - 5 persons	1	MTL
20-21-1510			Seat belt warning labels - 4 door chassis	1	MTL
20-21-1520			Helmet warning label - do not wear helmet	4	MTL
20-21-1530			Tire Pressure Indicators - Single Axle	1	MTL
20-21-1600			Apparatus Information Label	1	MTL
20-21-2000			Non removable key	1	MTL
20-21-2500			Shifter lock not required	1	MTL
20-21-3500			Rear step warning label	1	MTL
20-21-3810			Front mudflaps provided with chassis E	1	MTL
20-21-4000		<	Rear mudflaps - Metalfab Logo Not to exceed 14" from ground to bottom of mud flap	1	MTL
20-31-0200			Fuel fill label -Ultra Low Sulfur Diesel only	1	MTL
20-31-1100			Alum tread fuel tank covers, diamond grip steps, Conv - 4 dr	1	MTL
20-31-1900	S	<	Chassis cab painted black over red by chassis OEM Colors to match: Black upper - Sikkens FLNA00 Red Lower - Sikkens FLNA3225	1	MTL
20-31-7500	S	<	Console in cab Install smart siren controller and pump shift in console. Gray Zolatone finish 2 - Vulcan flashlight mounts with charger (Customer supplied and installed) - each measures 5" wide x 9" long x 7" high Draeger TIC charger (in parts room) 9-1/4" wide x 9" deep x 13" high Mount 3 - Medical glove dispenser 20-31-75AA where space permits Open top storage area for room that remains (for binders) - include black netting with velcro and footman loops to secure contents 3 cup holders for rear occupants Proposed console layout is accepted by customer - leave room for customer Motorola XTL 1500 radio and microphone in the blank spot ahead of opening. Radio dimensions are 2.6" x7.3" x 9.8" deep including control head	1	MTL
20-31-75AA	U	<	Rubber glove box holder / dispenser - 3 total 3 required Mounted where room permits on 20-31-7500 Console SOPT 649	1	
20-41-0600			Intake air shutoff for engine not required	1	MTL
20-41-0900			Auxiliary braking system disabled when pumping	1	MTL
20-41-1100			Transmission programming - Allison WT	1	MTL
20-41-1500		<	Extend exhaust pipe - RS front of rear wheels E There needs to be 3" clearance from the top of the pipe to	1	MTL

PART NO	S	STN CODE	DESCRIPTION	QTY	ID
			below the body for station exhaust system		
20-41-1900			Battery boost terminals with chassis E	1	MTL
20-41-2000			Chassis batteries remain in OEM location	1	MTL
20-41-2510			Fuel fill at step fuel tank under cab	1	MTL
20-41-2600			Chassis fuel tank remains in OEM location	1	MTL
20-41-5000			Rear Tow Hooks - under body	1	MTL
20-41-5500	S		ON SPOT Automatic traction chains	1	MTL
20-51-0710			Master Battery Disconnect included with Freightliner chassis	1	MTL
20-51-2500			Back up alarm included with chassis	1	MTL
20-51-3400			Protection valve installed for air operated accessories	1	MTL
20-51-4000			Auto eject for air inlet - LS	1	MTL
20-51-6200	S	>	120 volt 20 A shore line connection in chassis cab	4	MTL
20-51-6510			Kussmaul Autocharge 35/10 battery conditioner w/battery save	1	MTL
20-51-6700			Kussmaul Auto Pump 120 V compressor	1	MTL
20-51-7100			Electric System Manager	1	MTL
20-51-7500	S		Super Auto eject for 120 v - 20 A with sealed enclosure	1	MTL
20-51-9001	S		Air horns as supplied by chassis OEM	1	MTL
20-52-0000			Horn button air horn actuation	1	MTL
20-52-3500		>	Chassis steering wheel lined up by Metalfab	1	MTL
			E		
20-60-0400			Chassis wheelbase does not change	1	MTL
20-99-05AA	U	<	FRC InView Guardian Pkg 2 camera system	1	
			A FRC In-View camera system shall be installed. In addition to the rear camera, there shall be an additional camera installed in the front window of the unit. The system shall have minimum 7.0" monitor installed in the chassis cab - mounted on the overhead console similar to a rear view mirror. The front camera will be set to DVR recorder activated with Master Emergency Lighting switch. See quotation in the SOPT and also the email for the 7.4" monitor pricing in the SOPT		
20-99-10AA	U	<	Engine compartment LED lights (pr) with seperate switch SOPT 478	1	
			Switched with park brake - on when park brake is applied		
			PUMP AND PLUMBING	1	MTL
30-11-3002	S		Midship pump - see 30-11-3802	1	MTL
30-11-3802	U		Hale DSD 1250 IGPM Midship Pump (1500 USGPM)	1	
30-15-0304			Plumbing - non manifold pump SM SS	1	MTL
			E		
30-20-0500			Valves and controls - side mount panel	1	MTL
30-20-1002			Akron valves specified	1	MTL
30-20-1620	S		Piping stainless steel - Non Manifold Pumps	1	MTL
30-20-1700	S		1-1/2" thread specifications - NPSH	1	MTL
30-20-1800	S		2-1/2" thread specifications -NSZ1	1	MTL
30-20-2000			Piping hydrostatic test	1	MTL
30-20-2510	S		Anodes in suction and discharge piping - Non Manifold Pump	1	MTL
30-21-9515			Tank to Pump 4" Ball valve SS, electric control with check valve manifold pump	1	MTL
30-22-0520			Tank Fill valve 2" SS	1	MTL
30-31-4020	S		Suction - 6" each side SS non manifold pump 6" header	1	MTL
30-31-5100	S		Suction - 4" SS piping to rear - Electric valve, 6" connection	1	MTL
30-31-7210	S	>	Master intake suction valve - electric control	3	MTL
30-32-7550			Suction - 2-1/2" left side SS, bleeder, non manifold pump	1	MTL
30-32-8050			Suction - 2-1/2" right side SS, bleeder, non manifold pump	1	MTL
30-41-2040			2-1/2" RS discharge SS, bleeder, non manifold pump	2	MTL

PART NO	S	STN CODE	DESCRIPTION	QTY	ID
30-41-2540			2-1/2" LS discharge SS, bleeder, non manifold pump	2	MTL
30-43-1520	S		2-1/2" rear discharge SS, plumbed 2-1/2", bleeder	2	MTL
30-44-0720			1-1/2" speedlay (each) front of pumphouse SS, plumbed 2"	2	MTL
30-44-0799	U <		Extra speedlay trays	2	
			One for each 1-1/2" speedlay		
			Aluminum trays, UHMW angle slideways		
30-44-3700	U <		4" Right side discharge, 4" valve, SS, manual hand wheel control	1	
			SOPT 733		
30-44-6520			Piping for monitor SS, plumbed 3", bleeder	1	MTL
30-44-8500	S >		Hose reel, 1" X 200', nozzle, electric - under right rear side of cab	1	MTL
30-51-0500			Pump shift-Midship air	1	MTL
30-51-0700			Pump Gearbox mounted manual over ride for pump shift	1	MTL
			E		
30-51-6810			FRC InControl Governor/Throttle engine display with buttons	1	MTL
30-51-7003	U		Suction side relief valve, Class 1 for Hale MIV	3	
30-51-7714	U		Trident Air Primer - 3 barrel, 4 location	1	
30-51-8100			Heat exchanger included with chassis	1	MTL
30-51-8500			Pump cooler with control valve, check valve	1	MTL
30-51-9100			Thermal Relief Valve with warning light	1	MTL
30-52-1000			Master drain V/V, 12 port	1	MTL
30-52-2000			Drain valve for foam system header	1	MTL
30-52-4210	S		Foam System - Hypro FoamPro 2002 Single Tank	1	MTL
30-52-9100			Foam concentrate label at foam tank fill	1	MTL
30-52-9200			Foam System Instruction Plates	1	MTL
30-52-9400			NFPA Foam System certification test	1	MTL
30-99-10AA	U <		Power Fill foam refill system	1	
			SOPT 165 FRC #3435-0134 (same as M16-18868)		
			Inlet and controls on right side lower pump panel.		
			WATER AND FOAM TANKS	1	MTL
40-11-2100	S		Polypropylene water tank (Imperial gallons)	1	MTL
40-11-2200			Water tank capacity certification (tank manufacturer)	1	MTL
40-11-4500	S		Tank capacity 800 Imperial Gallons	1	MTL
40-12-5101	S		Foam cell - special -50 Imperial Gallons	1	MTL
40-13-0100	S < >		Through the tank tunnels - up to 1200 gallon tank	1	MTL
			Carry:		
			24' 2 section ladder		
			14' roof ladder		
			2 x 6" suction hose		
			2 x pike poles		
			Attic ladder		
40-21-1000			4" tank to pump connection	1	MTL
40-22-0500			2" tank fill connection	1	MTL
40-23-0500			1" water level gauge connection	1	MTL
40-23-1000			1" foam level gauge connection	1	MTL
40-30-0400			3" plug in sump box	1	MTL
40-30-1000			Water Fill Box front left corner	1	MTL
40-31-0400			Rear dump valve not requested	1	MTL
			ELECTRICAL	1	MTL
50-11-0500			Base electrical system	1	MTL
50-11-0600			Warning Light Certification	1	MTL
50-11-0700			Low Voltage Electrical system test	1	MTL
50-11-0800			Low Voltage Electrical System Documents	1	MTL
50-11-1620			Siren speaker, 100 watt, in front bumper	1	MTL
50-11-16AA	U <		SmartSiren Platinum	1	
			SOPT - Federal Model # SSP3000b		

PART NO	S	STN CODE	DESCRIPTION	QTY	ID
			Warning light shall be controlled by the smart siren controller.		
			Slide switch - All emergency lights - Light bar, upper level and lower level emergency lights to operate in every position to meet ULC		
			Individual switches -		
			White light disable, Left scene, Right scene, Rear scene, Front scene, Q2B (lower right side button, interlocked with slide switch so inoperable unless emergency lights are activated), Siren Brake, Signal Master (interlocked with slide switch so inoperable unless emergency lights are activated)		
			Do not install rocker switches, all switching to be through the Smart Siren		
50-11-2010	S	<	<i>Federal Q2B mechanical siren - through front bumper</i> Mounted right side of front bumper (in place of Left side due to interference with the steering arm). Siren will be mounted at a slight angle as shown on the proposal drawing in order to stay within overall length requirements. Controlled by the Smart Siren, use the lower right corner button and interlock so only active when emergency lights are activated Siren brake controlled by a Smart Siren button	1	MTL
50-11-2600			<i>Siren to be accessible to driver and officer</i>	1	MTL
50-11-5002	S	<	<i>Special Light Bar - Federal NVG60-NFPA6 red/white lightbar</i> SOPT 631a The light bar shall be controlled through the smart siren controller Red and white for full response / disable for scene mode White lights to be installed for front scene while on scene	1	MTL
50-11-7600	S	<	<i>Rear LED Signal Master warning lights</i> Federal Latitude SL8S-A LED Signal Master recessed and controlled by the SmartSiren Program to operate when emergency lights are activated	1	MTL
50-12-05AA	U	<	<i>Federal MPS600U-RR (pr)</i> Red/red LED lights with clear lens. Mounted in cab grille.	2	
50-12-10AA	U	<	<i>Federal QL97XFC-RA (pr) flasher</i> Red amber X pattern flashing LED lights with clear lens at rear of body - locate under rear scene lights SOPT	1	
50-12-15AA	U	<	<i>Federal QL64C-RC (pr) side of truck</i> Red/white flashers with clear lens One each side on rear fender, one each side on cab low between cab doors SOPT ***Subject to certification by Federal Signal***	2	
50-12-20AA	U	<	<i>Federal MPS1200U-RW side flasher (pr)</i> White/red LED lights with clear lens. Both red and white enable when in Response mode, only red lights flash when on scene mode. Mounted on sides of cab hood. SOPT ***Subject to certification by Federal Signal***	1	

PART NO	S	STN CODE	DESCRIPTION	QTY	ID
50-12-25AA	U	<	<i>Federal QL97XFC-R (pr)</i> Flashing Red LED lights with clear lens in upper side corners of body. SOPT	2	
50-21-29AA	U		<i>Additional lighting on console to illuminate floor area</i>	1	
50-21-5100		>	Compartment lighting - LED tube lights in each compartment (rollup doors)	1	MTL
50-21-5500	S		<i>Door Ajar warning light - Whelen 500 series</i>	1	MTL
50-21-8001		<	<i>Step lights for body steps - 4" LED</i> Energized with park brake	1	MTL
50-21-8201	S	<	<i>Step lights for chassis steps - 12" LED lumabars (8)</i> SOPT 194 Energized with park brake	1	MTL
50-21-8600			LED clearance lts and reflectors	1	MTL
50-22-0800		<	<i>Federal 4 QuadraFlare LED tail/brake-turn-backup-warning module (pr)</i> Rear flashers to be Federal QL64SFC-RA and be red/amber with clear lens	1	MTL
50-31-6560			<i>Ground lighting (LED Lumabar) - 4 door chassis</i>	1	MTL
50-31-6570			<i>Ground lighting (LED Lumabar) - side mount body</i>	1	MTL
50-35-0590	S		<i>Cellular/TMR antenna with base - commercial chassis</i>	1	MTL
50-99-0010	U		<i>LED lights in chassis doors</i>	1	
50-99-05AA	U	<	<i>FRC Spectra MAX-S 12-volt LED extendable light</i> Mounted on left and right hand side of front of pump house and two mounted to the rear of the body as shown on the proposal drawing. Lights will be switched on the light head Model SPA530-A28-ON-SR at the front - 2 required Model SPA510-A28-ON at the rear - 2 required Wired through the ESM (Load Manager).	4	
50-99-10AA	U	<	<i>FRC Spectra MAX-S 12-volt LED fix mount (pr)</i> Mounted on upper level of body two on left side, two on right side and two at the rear of body. Shall be switched in cab console, separate from emergency master. Rear facing lights shall also be energized when transmission is in reverse. Wired through the ESM (Load Manager). SOPT Model # SPA850-A28	3	
50-99-16AA	U	<	<i>Additional 20" LED lumabar to light rear step</i> SOPT 1044 Energized with park brake	1	
50-99-20AA	U		<i>Hose bed cover lights - 40" LED Lumabars</i>	1	
51-31-4500			<i>Dielectric strength test for line voltage system</i> BODY	1	MTL
60-10-1400	S	<	<i>Single axle extruded aluminum body</i> There will be a platform above the rear compartment and below the hose bed minimum 14" deep to allow the reloading of the hose bed.	1	MTL
60-10-4100			No "beavertail" rear step supports	1	MTL
60-10-4600			Painted fender surround	1	MTL
60-10-4770			<i>Removable stainless steel fender trim - single axle</i> E	1	MTL

PART NO	S	STN CODE	DESCRIPTION	QTY	ID
60-10-5400		>	Diamondback pumphouse steps	1	MTL
60-10-6500		<	Bolt on extruded aluminum rub rail White reflective stripe inside the rub rail	1	MTL
60-11-0300		>	Front left side compartments full height E	1	MTL
60-11-0700		>	Front right side compartments full height E	1	MTL
60-11-1000	S	>	Rear left side compartments full height E	1	MTL
60-11-1400		>	Rear right side compartments full height	1	MTL E
60-11-2000		>	High side compartment (over 18") each	2	MTL
60-11-2500		>	Rear compartment at step level	1	MTL
60-11-5600			Rollup door - painted job colour - standard height	3	MTL
60-11-5620			Rollup door - painted job colour - full height	4	MTL
60-11-5650	U		Amdor pull down straps	6	
60-31-4100			Extruded aluminum handrails	1	MTL
60-31-5500	S		Steps at rear of body (folding)	1	MTL
60-31-6500			Compartment matting-Turtle tile	1	MTL
60-31-79AA	U	<	Vertical unistrut tracking for all compartments SOPT 271	7	
60-31-8001	U		Signature 4 single SCBA bottle holder	4	
60-31-9600	S	>	Adjustable shelf (ea)	7	MTL
60-32-3560	S		Three hose divider (each)	1	MTL
60-32-7500		<	Hose bed - aluminum 1000' of 4" hi-vol 800' of 2.5" 600' of 1.75"	1	MTL
60-33-0000	S		Paint exterior - Imron Elite - TWO TONE	1	MTL
60-33-0200			Undercoat vehicle with KROWN rust protection	1	MTL
60-33-0600			Chassis wheels not painted	1	MTL
60-33-1000			Paint pump and plumbing job colour	1	MTL
60-33-1500			Buffed finish compartment interior	1	MTL
60-33-2200			Lettering - 80 letters up to 3" tall - 3 colour	1	MTL
60-33-3300	S		Reflective stripe - special 4" black with "S"	1	MTL
60-33-3310	S		Reflective stripe - red and fluorescent green chevron at rear	1	MTL
60-33-3600			Reflective stripe - inside entry doors	1	MTL
60-33-4700	S		End tarps for speedlays - black	1	MTL
60-33-5000	S		Aluminum cover over hose bed with end tarps - weighted	1	MTL
60-40-5500			Suction hose tube (each) with door	2	MTL
60-40-9001		>	Tube mount for ladders, through tank	2	MTL
60-41-1015			Pike Pole tube in suction hose tube	2	MTL
60-41-1500			Attic ladder tube with rear door	1	MTL
60-91-0800	U		Swing out tool board	1	
60-91-0900	U		Top mount coffin compartment	2	
60-99-0010	U		Manual RV style step, 24" wide	1	
60-99-20AA	U	<	Chevron material on rear hose bed end tarp SOPT Confirm colour availability prior to printing 60-33-3310 chevron, fluorescent green and red chevron requested	1	
			INSTRUMENTATION	1	MTL
70-11-0000			Warning Label on Pump Operator's Panel	1	MTL
70-11-0500			Side mount instrument panel	1	MTL
70-11-1000			Black zolatone instrument panels	1	MTL
70-11-3200			Colour coded tags	1	MTL
70-11-4002	U		LED Pump panel lights - RS	1	
70-11-4102	U		LED Pump panel lights - LS	1	

PART NO	S	STN CODE	DESCRIPTION	QTY	ID
70-11-4188	U		LED pump compartment lights	1	
70-11-5500	S		Right side smooth plate pump access door	1	MTL
70-11-7500	S		Heat pan-aluminum	1	MTL
70-11-8000			Heater in pump compartment	2	MTL
70-20-1500			2-1/2" pressure gauge - dual face 0-600	12	MTL
70-20-2500	S		Primer control	4	MTL
70-20-3300			FRC InControl Governor Control	1	MTL
70-20-3501	S <		Special water level gauge - FRC WLA400-A00 on pump panel SOPT	1	MTL
70-20-36AA	U <		FRC Tank Vision MaxVision SOPT Install on each upper side front corner and at rear of body Locate rear display vertically LS outboard next to telescoping flood	3	
70-20-6500			Test gauge panel	1	MTL
70-20-7500			Heat exchanger control valve	1	MTL
70-20-7600			Pump cooler control valve	1	MTL
70-21-15AA	U <		FRC Foam level gauge - WLA460-A00 SOPT	1	
70-21-5500			Panel readout for Battery Conditioner	1	MTL
70-99-0010	U		Air horn button on pump panel	1	
70-99-05AA	U		Linkage Controls in Front LS Compartment ACCESSORIES	1	MTL
80-11-5000	S		6" x 10' lightweight suction hose (ea)	2	MTL
80-12-2500			6" barrel strainer	1	MTL
80-12-4500	S >		6" low level strainer with 1-1/2" venturi connection	1	MTL
80-13-0500			Rubber mallet	1	MTL
80-13-2500			Pike pole, fibreglass handle - 10' long	2	MTL
80-14-0500			24' 2 section extension ladder PEL 24	1	MTL
80-14-5500			14' aluminum roof ladder PRL-14	1	MTL
80-14-8508	U		10' aluminum folding attic ladder - Duo Safety	1	
80-17-0500	S		20# dry chemical fire extinguisher and mount	1	MTL
80-17-1000	S		15# CO2 fire extinguisher and mount	1	MTL
80-18-0600			SCBA brkt w/strap - ZICO ULLH - crew cab mount	4	MTL
80-99-05AA	U <		TFT Monsoon RC monitor When stowed, monitor will be flush with top of body TFT model numbers as follows (have Engineering to confirm all numbers before ordering); Y4-L5A Monsoon RC monitor Y4E-RP-D Panel mount monitor Operator Stanton with Display M-ERP1250SNJ Nozzle (Engineering to confirm last two letters in model # - May have to be "NN" XGA32VL-RL Extend-A-Gun (Engineering to confirm inlet and outlet configurations - present number is for 12" extension with 3" victaulic inlet and RLF outlet) XGB-33 Saddle mounts	1	