

20JAN2023

Mont Vernon Fire Department
Mont Vernon NH

This is a basic bid/spec form for apparatus dealers to work from. If different from the specification, advise alternative being presented. If requested, cost of said line item. Green print items are Dept. provided.

The bid specification package is due back by Wednesday, March 8th, 2023, at 5PM for a bid opening at 7PM at the Mont Vernon Fire Station.

The process we have chosen is to have met with companies we feel will produce a fire apparatus that will be in service for a minimum of 30-40years.

The fire apparatus manufacturers that have been invited to bid on this apparatus to are of a fair and competitive process.

These specifications are the minimum requirements that each company will use for their bid. Apparatus shall meet requirements of NFPA 1901 and any associated NFPA, Federal and State truck standards.

Your bid maybe submitted by certified US Postal Mail, FedEx, or in person, or by Email to the Chief (emailed bids will not be disclosed until 7PM March 8th, 2023 at mvfdadmin@montvernonnh.us).

The Mont Vernon Fire Department reserves to reject any and all bids.

If anything in this package is of concern or question, please contact as soon as possible. The Department had established a fire truck committee, using information received, to put together this basic proposal in order to compare apparatus bids.

In the event of inclement weather, the Department will establish a zoom link for participants to be able observe the opening. The bid packages will be available for viewing the following night for those who could not attend.

Mont Vernon Fire Department
PO 483
Mont Vernon NH 03057
Attn: Chief Jay Wilson
Re: 2023 Bid

Include, but not limited to:
Department specifications package
Manufacturer specification detail package
Any other relevant information pertaining to the proposal.

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Custom Apparatus and Chassis.

Meet applicable NFPA standards and specifically NFPA 1901 requirements latest edition. If Department specification, note it in bid as 'FD non-NFPA'

This Apparatus will match Department colors and letting design.

Apparatus is designed with a wheelbase of 195" and GVW rating of 45,000 to 47,000lbs

White paint to match existing white painted apparatus.

Hand painted gold leaf and painted door seal allowance. Cost at Factory Cost at NH / Walt Signs
or other such company as chosen by the Department

General design and construction to ensure quality, compatibility, and provide a single source for service and warranty. The construction will take place the bidder's facility.

Delivery: The apparatus will be delivered under its own power to ensure proper break-in of all components while the apparatus is under warranty and insurance of the builder.

Manual and service information; safety video: provided to Department

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Apparatus Manufacturer will provide:

Adhere to best practice for apparatus design and construction and NFPA 1901, latest edition.

Financial stability specifications

Commercial general liability insurance

Commercial automobile insurance

Liability insurance

Product liability insurance

Umbrella/excess liability insurance

Pump test: UL test, approved, and certify pump; pump manufacturers certification of hydrostatic test and record of pump construction details; engine manufacturers certified brake horsepower curve.

NFPA 1901 inspection program and certifications

Performance tests

On-line/Web based support services

Clarification to specification: to meet or exceed

Draft drawings, one set prior to pre-construction, 11x17

Approval drawings, 11x17

Change orders will be in writing

Engineering blueprints

Pre-construction conference with manufacturer representative; zoom meeting with factory representative

Inspection trip, 3 members

Single source manufacturer

One call service response, Local sales and service vehicle support in New England

Delivery will be to the Mont Vernon Fire Station, Mont Vernon NH

Pre-delivery inspection at New England manufacturers site

Delivery date of apparatus and acceptance by the Department. Unless agreed upon by Department, a financial penalty will be assigned if apparatus is past due delivery by 3 months, exception is a situation that is beyond the control of the manufacturer.

Training: 16 hours of training of Department personnel at Mont Vernon Fire Station, NH

Service: Manufacturer will insure a source of service and parts over the anticipated life of the apparatus.

Apparatus to meet Federal and NH DOT truck requirement; to include but not limited too: marker lights, license plate brackets [front and rear], taillights 4x6 LED, turn signals 4X6 LED, backup lights 4X6 LED

Performance Bond: a performance and payment bond, equal to 100% of the total contract amount will be furnished prior signing the contract. Bond will be acceptable to the Town of Mont Vernon Board of Selectmen and issued by a surety company included within the Department Treasury's Listing of Approved Sureties.

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Warranties: Manufacturer warranties shall be provided for all aspects of the apparatus

Body warranty: a two-year warranty from date of delivery and acceptance by the Mont Vernon Fire Department, bumper to bumper warranty.

Manufacturers service, support, warranty service

Stainless steel body warranty: Twenty-year coverage

Subframe/hot dip galvanized warranty:

Paint warranty: Ten-year, from date of delivery and acceptance

Lettering warranty, Striping warranty: if done at manufacturers, Two-year

Pump warranty: will be a minimum of Five-years from date of delivery and acceptance

Stainless steel plumbing warranty shall be Ten-year, from date of delivery and acceptance

Water tank: free from manufacturing defects in material and workmanship for the active service life the vehicle

Emergency Warning System five-year warranty

Other warranties not mentioned that will be available from the supplier.

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Manuals:

Manufacturer to supply a complete delivery printed manual in a notebook type binder with reference tabs for each section of the vehicle. A companion files on an electronic storage device.

Within each section shall be:

Individual component manufacturer instruction and parts manuals

Warranty forms for body and all major components.

Warranty instructions and format to be used in compliance with warrant obligations

Wiring diagrams, Two Electrical schematics, wiring systems; 12v and 120v

Low Voltage Electrical system specifications

NFPA required electrical system testing documentation of capacity test; alternator performance test at idle; alternator performance test at full load; low voltage alarm test. Written load analysis including nameplate rating of the alternator and under the conditions, each specified component load, individual intermittent loads.

Installation instructions and drawings for major parts

Visual graphic and electronic photos for the installation of major parts

Necessary normal routine service forms, publications, and components of the body portion of the apparatus

Technical publications for training and instruction on Mamore body components of the apparatus

Warning and safety related notices for personnel protection

Cab and chassis manuals on parts, service, and maintenance

On-line service manual support

Parts listing manuals

Illustrative schematics with manuals which will include: all major sub-assemblies. Ladder rack assemblies, pump panels, tanks, fire pump; etc.

Digital images will be available via internet-based link.

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Additional Construction Documentation

As built drawings/prints

In process photos of major construction phases:

Cab and chassis,

Pump install,

Tank install,

EZTrack install;

Prior to paint;

Post paint

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Specification

12v lighting

12v power source One 12v power and ground connection rated at 30amps shall be provided in an interior compartment

3-way switches: ignition/starter; headlight; panel back lighting control switch

After treatment system

Air bottle compartments wheel well

Air brake abs system

Air brake system

Air cleaner / intake

Air compressor

Air conditioning condenser will be a minimum 65,000 BTU output, that meets or exceeds the performance specification. Evaporator unit installed in rear portion of cab ceiling over engine tunnel will have 52,000btu at 1200 SCFM rating that meets and exceeds the performance specifications. 4 outlets directed towards seating on RHS, and 4 outlets directed towards LHS seating.

Air cooler charge

Air dryer

Air horn cut outs

Air Horn Lanyard One dual (split lanyard control) ceiling mounted pull cord shall be installed to activate air horns. Will be reachable by driver and officer.

Air Horns Bumper mounted, recessed, one each side, Two Stuttertone chrome plated. An air protection valve shall be installed in the air horn piping that will not allow the chassis air brake system to drop below 90PSI.

Air Inlet [poss. exterior by Electric shore connection] Manual Air inlet can be in driver's interior that is not in the way of seating or any place a foot/feet maybe. Otherwise, Air inlet connection will be between driver and crew door [next to electrical shore power] as approved by the Department.

Aluminum cab

Aluminum treadplate

Aluminum Wheel Rims 6 / Durabrite treatment; Aluminum lug nut; Hub covers

Antenna installation to be done at factory, wires/cables run to end points inside the cab were radios will be mounted as determined by Department. There will be Two antenna mounts on front cab roof. Radios provided by the Dept.

Anti-lock brake system Meritor WABCO 4S4M

Apparatus body stainless steel

Apparatus number ENGINE 2 [part of gold leaf cost]

Approval Drawings

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Auxiliary cab steps TBD

Auxiliary Fuse Box 6 connections minimum for future use

Auxiliary power points

Back up alarm reduce audio auto or manual

Batteries jumper terminal

Batteries type and number of

Battery charger/Battery Conditioner Kussmaul

Battery system Master Battery switch

Battery system single starting system with ignition switch, starter button on cab instrument panel

Battery system battery compartments non-corrosive mat, well ventilated

Battery system jump studs, one set, color coded with covers

Battery system Shore power connection [next to airline]; will be manual, no auto eject; with connection for other items that are/will be 120v.

Body Construction Stainless Steel. Construction method

Body electric system design

Body handrails location: minimum of [2 at LHS pump panel, 2 at rear step full length, 2 at RHS pump panel, 4 small hand grab rails – 2 above pump/2 rear step above hose bed]

Body sub frame design, construction, protection

Body, testing of design

Brake air compressor will be a Cummins/Wabco with 18.7 cubic feet per minute output

Brake air dryer will be Wabco system saver 1200 with spin-on coalescing filter cartridge and 100w heater

Brakes lines will be color coded nylon brakes lines, wrapped in heat protective loom in areas subject excessive heat

Brakes Bendix air

Brakes, front description/type

Brakes, rear description/type

Bumper construction/description/sides Stainless steel bumper, extends from front of cab a minimum of 22". Bumper has a suction through the bumper, 2 air horns, and hold a 100' 1.75" hose load with a cover with discharge 1.5" in a center hose tray.

Cab crew interior lighting

Cab crew storage Overhead storage for personnel effects and light equipment

Cab Doors Full length; door opening width for firefighter entry

Cab Doors, size, panels, windows will be manual, except for the driver's side window, interior handrail, exterior hand grab rail, step lights, steps, open door warning, and other items associated with cab doors to have detailed description

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Cab lift interlock description

Cab molding: Chrome molding provided on both sides

Cab Width 96" +

Cab /crew auxiliary 35,000btu heater. Air flow to driver and officer and crew cab area

Cab accessor fuse panel

Cab climate control system, controls

Cab crew seat compartmentation

Cab crew seat riser access

Cab defrost/air conditioning system: ceiling mounted above the engine tunnel area

Cab defrost: 60,000BTU heater-defroster with adjustable vents to left and right side of cab windows, 6 fixed vents to windshield.

Cab design and safety system detail/description

Cab design structural integrity

Cab design sub-frame

Cab dimensions

Cab exterior handrails

Cab exterior lighting

Cab fan auxiliary fans, switch on fan, for air movement, provided in corners of the cab by driver and officer

Cab floor covering

Cab insulation

Cab interior coating

Cab interior grab handles for driver, officer, and crew cab on interior door post between windshield and door; black rubber covered

Cab interior handrails

Cab interior lighting

Cab lift – manual

Cab lift system with manual override for backup in case of an electrical failure. Description

Cab lockdown latches

Cab marker/clearance lights Five to Seven amber lights

Cab mirrors : dual vision, chrome finish, mount each side of front cab doors, flat glass and convex glass, will be heated and adjustable

Cab overhead storage area

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Cab roof drip rail will be furnished on the sides of the cab, painted to match cab roof unless polished aluminum

Cab split or full tilt

Cab steps – crew cab LHS, RHS

Cab steps – driver, officer

Cab sun visors, two smoked Lexan, each side of cab above windshield

Cab windshield wipers with washer will be provided that meet FMVSS and SAE requirements

Cab ac gravity drain tubes for evaporator and drip pan

Cab Air restriction indicator

Cab Alarm and Indicator will automatically test/prove out, when power switch is turned on

Cab Alarm, steady audible alarm will activate whenever a warning condition is active

Cab Custom switch panels: Emergency warning system panel/switches will be mounted on the engine cover between driver and officer, within arms reach of the driver. Scene lighting panel/switches will be to the right of the emergency warning system panel/switches. In addition to these panels, a dash mounted siren button will on dashboard in front of the officer. Other panels will be located in lower instrument console and in overhead visor console. All switches to have backlit labels.

Cab Diagnostic panel location TBD, include engine, transmission/abs, dpf regen, regen inhibit

Cab Do not move apparatus indicator

Cab Dome Lights minimum of Five LED dome lights, Two will be Red – one between driver and officer; other in crew cab center; Two [minimum] will be white – two located in crew area and one in front of cab and to operate from panel switch and automatically from a door being opened where light is located

Cab Flat work surface for Officer on dash

Cab Floor matting which will have a grip surface, prevent water absorption,

Cab Floorboard heating duct

Cab Heater defroster air condition controls

Cab Helmet storage

Cab Helmet storage TBD location to planned and with bidders

Cab Indicator Lamps, amber

Cab Instrumentation and gauges

Cab radio wiring install wiring to support Two mobile radios [this may change], with a radio control power head at pump panel. Radios will be supplied by Department for installation at Dealers site

Cab Seat all seats will have 3-point shoulder type seat belt, color will be red

Cab Seat SCBA Brackets will be designed for Scott 4.5/30m

Cab Seat upholstery all seat upholstery will be black Turnout Tuff Material or similar

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Cab Seat: Officer seat and Three Crew seating with SCBA Brackets(4). Seating for 5. Bostrom seating. Secure all brackets.

Cab Seat: Driver, Officer, Two Forward facing crew cab, One Rear facing behind officer

Cab spare circuit TBD, but minimum Two par of wires, positive/negative installed on apparatus,

Cab Switch panels built-in switch panels will be rocker type with an indicator light

Cab will designed specifically for the fire service. Cab will be 96" in width with a 10" raise crew roof. Overall cab height of approximately 109".

Cab wiper control

Cab/crew window – RHS only, LHS is an interior ems storage compartment

Cab: interior/crew dimensions

Camera driver/operator system safety display screen in cab, camera facing forward and one at rear of apparatus that will display when apparatus in reverse

Camera recording system will activate when apparatus is started and record till shut off

Center control console

Clamps and Hoses

Collision mitigation HAAS alert model HA5 Responder to Vehicle. Latest version at time of construction.

Compartment lighting LED strip on both sides

Compartment Roll up Doors painted doors, with salt, sand, debris interior protection; RomIV, Gortite, AMdor

Compartmentation Dimensions LHS

Compartmentation Option on LHS 3: depending on door dimensions; single or split open

Compartmentation Shelving Each compartment to have 1 adjustable shelve, top to bottom for LHS1, LHS3, RHS1, RHS3

Compartmentation open/unsecure door alarm indicator in cab

Compartmentation Dimensions RHS

Compartmentation hinge down door for RS2 will be an option depending on door/compartment height with ladder rack

Compartmentation hinge up door for LHS2. Full door vs split door

Compartmentation PAC Tool mounting. In all compartments, except rear step

Compartmentation PAC Tool swing out tool board Middle compartments [LHS 2, RHS 2]

Compartmentation Pull out tray LHS 1, LHS 3, REAR Step, RHS 1, RHS 3

Compartmentation roll up doors / painted

Compression fittings on air system

Coolant

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Cooling system

Corrosion reduction policy

Data and Warning Labels as required

Defroster diffuser

Diamond, aluminum plate cab roof

Diesel exhaust fluid tank DEF

Diesel particulate filter controls

Directional/marker [rear, front, side], brake, directional, backup lights, rear facing scene light. Lights are LED. Rear light box housing brake, directional, backup light, scene light. Directional intermediate/marker light, Two each side of truck. Rear scene light controlled from cab.

Door finish and interior reflective striping for open door visual

Door interior panels

Drivers side exterior cab compartment

Dunnage exterior area

Electric shore [air inlet] Connections between driver and crew door [manual]. Cover color TBD;
Inlet mounted LHS of cab, 1'

Electrical 12volt electrical equipment: will be high temperature crosslink, will be run in loom or conduit, if passing through sheet metal will have grommets, all reset circuit breakers will conform to SAE standards; wiring will be color, function, and number coded.

Electrical inlet 120v manual

Electrical power control system

Electrical system EMI/RFI Protection and state of the art electrical system design and components

Electrical system Electronic load management

Electrical system Hard wired

Emergency warning lights

Emergency Warning System Four LED Red Forward facing, 600 series

Emergency Warning System Intersection and Lower mid-chassis warning lights; C6LR red LED

Emergency Warning System One Rear facing LED Amber Body mounted RHS, 600 series

Emergency Warning System One Rear facing LED Red Body mounted LHS, 600 series

Emergency warning system Speaker mounting

Emergency Warning System One LED Red on RHS/One LED Red on LHS, cab; 600 series

Emergency Warning System One LED Red on RHS/One LED Red on LHS, lower rear side; 600 series
60R02FFR Red

Emergency Warning System One LED Red on RHS/One LED Red on LHS, rear fender well area; 600 series, C6L LED

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Emergency Warning System Activation: Master warning switch; light bar, forward red LED, side red LED, rear red LED rotators, rear facing LED red/amber will have independent on/off switches

Emergency Warning System Apparatus rear scene lighting, Spectra-MS, 14,000Lumens or equivalent. On/Off switch located in cab master panel light switch and at pump panel. Mounting bracket for light to be adjustable and swivel.

Emergency Warning System Apparatus side scene lighting, Spectra 900 LED Perimeter light, 7000Lumens or equivalent. On/Off switch located in cab master panel light switch and at pump panel. Labeled LEFT SIDE SCENE LIGHT RIGHT SIDE SCENE LIGHT

Emergency Warning System Brow Scene Light: Whelen PFH1, centered mounted on roof facing forward. On/Off switch on master switch panel in cab and at the pump panel; labeled FRONT SCENE LIGHT

Emergency warning system Electronic speakers/siren: mounting behind grille.

Emergency Warning System Freedom IV: LED Light bar: 72"; F4N mounted on roof of cab, towards the front, above windshield. Clear had coated lenses to provide extended life and UV protection. LED light configuration to be determined at pre-construction conference

Emergency Warning System: Two Rear 600 (1Red/1Amber) on independent switch on master switch

Emergency Warning System Master Switch and Switches Determined at Pre-Con. Location and switch assignments; All scene lights have independent switch and separate switch at pump panel; Three Open switches for future use

Emergency Warning System Telescopic scene lights, area of pump panel, LHS, RHS. Fire Research Spectra, 20Lumens, 360degree rotation. Power cord shall not be or drop below pump panel at any point. On/Off switch to be located on pump panel, labeled LEFT SIDE POLE LIGHT RIGHT SIDE POLE LIGHT

Emergency Warning System Two Whelen LED Rotator Red Rear mounted; one each side on upper rear of apparatus body 360-degree warning

Emergency Warning System Whelen 295SL Siren/200w speaker

EMS Compartment inside crew cab, in place of seat behind driver, two shelves, open into crew area; final dimensions to be determined from specifications received.

Engine HP, Model Cummins L9 450HP at 2100rpm, 1250lbft torque@1400rpm, governed speed 2200rpm, EPA2024, Diesel, Six-cylinder, displacement 453 ci/8.9L, Starter Delco 39MT, Fuel Filters spin style/primary filter with water separator and water in fuel sensor/secondary spin on style filter

Engine enclosure

Engine enclosure covering

Engine hood light

Engine tunnel/hood sides wall construction, top construction and height:

Engine tunnel/hood will be insulated for protection from heat and sound in accordance of present NFPA 1901 standards

Engine warning system/indicator

Engine warranty

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Engine access to engine dipsticks for engine oil and transmission fluid will be located on interior of crew compartment; door access will have rubber seal for thermal and acoustic insulation; one flush lift turn latch on door for access

Engine air intake

Engine Alternator Delco Remy 320amp, 40SI

Engine Clutch fan

Engine compartment light installed under cab will activate when cab is raised

Engine Coolant lines

Engine exhaust system; pipe to match Dept exhaust removal system

Engine fuel priming pump/Cummins

Engine High idle switch will be provided, inside cab on instrument panel

Engine Jake Brake Compression style, 3 position switch

Engine Radiator

Entire cab/body painted white; including all doors, roll up doors, rear wheel fender panel

Exhaust system

Exterior glass

Extinguish brackets

Extinguisher storage wheel well

Extinguishing mounting Brackets for 2.5G APW and CO2; 20lb ABC Dry Chem will be in wheel well storage compartment

EZ Trac system will be provided for all wheel operations; hydraulic unit and components will be mounted in dunnage area above fire pump - RHS

Fan

Fan clutch

Fender crowns on each side installed at the cab wheel openings

Fender liners will be installed in wheel wells

Fluid Data Plaque containing required information shall be provide based the applicable components for this apparatus, compliant with NFPA standards: Engine oil, Engine coolant, Chassis transmission fluid, Drive axel lubrication, Power steering fluid, Pump transmission lubrication fluid, Other NFPA applicable fluid leaves or data as required. Located in driver's compartment or on driver's door.

Four bezel lower corner lights

Frame Protection Indicate method to protect frame for anticipated service length; Warranty information

Frame Rail Single Frame Rail Detail size, yield strength, reinforcement, and warranty. Minimum rail is 10".

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Front Axle Leaf, shock absorbers, suspension, oil seals

Front body entry cab steps 22"

Front brakes will be model ADB22X disc type with automatic pad wear adjustment and 17" rotors

Front GAWR 20,000 – 22,000; Steering Ross TAS-85

Front hub covers will be stainless steel. An oil level viewing window will be provided.

Front suspension

Front tires will be Goodyear 315/80R22.50 radial, rated for 20,500lbs +, properly balanced

Front turn signals

Frontal impact protection detail/description

Fuel fill LHS

Fuel filter / Secondary

Fuel filter / water separator Primary

Fuel [secondary] gauge at pump panel with warning indicator when at a quarter tank

Fuel tank 55 to 60 US gallon, stainless steel

Full air, Bendix

Glove box holders Inside crew cab, mounted in upper crew doors each side, capable of holding 3 glove boxes

Gold Leaf Trim, Dept Seal Hand painted, either at facility or in field; factory cost

Grab handle inside crew at each door

Grille finished bright aluminum

Grille, upper/lower, logos

Ground ladders Dept provided [ladder rack to hold 35' extension, 16' roof, 15' suction, 10 pike pole, 10' collapsible attic ladder]

Ground lighting

GVW Rating 44,000lb to 47,000lb

Hand light at officer's seat area - TBD

Hand light charger Dept Supplied Hand light mounted charger 5 Survivor LED Charger bank; Mounted between rear facing seats; provided by Department

Headlights LED Heated

Heated mirrors. Power adjustable heated mirrors

High idle control

Hose bad cover Red, with J hooks and straps

Hose bed Hose bed divider

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Hose Load 2.5" dead load above speed lays, top loading; 200' plus / option a 2" pre-piped line

Hose Load Cross Lay [2] each 200' 1.75", slide out trays, with 2 spare slide out trays

Hose Load Hose Bed 350' 1.75" [LHS]

Hose Load Hose Bed 500' to 800' of 2.5" [RHS]

Hose Load Hose Bed LDH: split load 1100' 4" 1100' 4"

Hub and lug covers; chrome or stainless steel

Information Circuit LCD display for distance, trip, hours, trip hours, pto a/b hours

Instrument panel

Ladder rack alarm

Ladder rack storage RHS; Ziamatic Drop Extend Down; Capable of holding: 35' extension; 16' roof ladder, 10' attic ladder, 6" suction 12' to 15'

LED ICC/marker lights

Lettering / Door Insignia will match Engine 1993 Engine, Lettered as Engine 2: provide allowance

License plate bracket, front and rear

Louvers cab

Low voltage alarm

Lube oil

Map book slot

Master battery and ignition switch On/Off

Miscellaneous chassis equipment furnished not mentioned

Mud flaps front wheels and front- rear of rear wheels

On board diagnostic system OBD

Overhead control console

Painting: Apparatus/Cab white to match Department existing

Power and ground studs, overhead command console

Programmable load manager

Proposal Drawings

Pump Hale QMax XS 1500gpm

Pump Associated Gauges, Indicator Lights, RPM, Engine Temp

Pump Enclosure lights Two LED work lights shall be provided in the pump enclosure with control switch mounted on pump panel

Pump Heater 20,000 BTU; Component description; on/off switch on LHS pump panel

Pump Panel Linex Black Covering

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Pump plumbing finish

Pump and gauge panels

Pump auxiliary cooler

Pump connections, valves, actuator, thread terminations

Pump Discharges Front bumper/trash line. 1.5";Contain 150', 1.75"; Aluminum foldup cover

Pump Discharges Two, 2.5", rear of body

Pump Discharges 1 cross lay above 1.75" speed lays, for 250' 2.5", piped

Pump Discharges 2 speed lays at pump, pull out load trays. Capacity: 220' 1.75"

Pump Discharges Deluge riser

Pump Discharges One, 2.5" RHS Pump

Pump Discharges One, LDH RHS Pump with 4"

Pump Discharges Two, 2.5" LHS Pump

Pump Mic/Speaker Installed at pump panel; By either factory or dealer

Pump module framework

Pump panel finish

Pump panel LED lights

Pump seal type

Pump shift module

Pump Suction Front Suction Primer 2nd Primer for front suction draft

Pump Suction/Intake 6": Front: Through the bumper / option if weight limit-restrictions with EZ Track exist

Pump Suction/Intake 6": Option Rear step

Pump Suction/Intake 2.5": LHS, RHS Pump

Pump Suction/Intake 6": LHS, RHS Pump

Pump Tank 750 US Gallon / option cost of 1000 US Gallon

Pump test and certification

Pump transfer case G series

Pump valve actuator / Pump valve

Pump 4.5" master gauges

Pump color coding

Pump Cross lay 1.75" Two slide trays for re-load

Pump deck gun termination

Pump deluge riser

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Pump discharges, color code, valve, valve actuator, slow close for LDH, Deluge, thread termination

Pump drain valves lift-up style

Pump finish

Pump front suction

Pump front suction adaptor

Pump intake relief

Pump intake valve

Pump master pump drain

Pump pressure governor

Pump primer buttons – 2

Pump priming system

Pump tank fill, valve, valve actuator

Pump tank to pump

Pump thread termination

Radiator

Radio antenna mount Two mounts with cables installed at manufacturer

Radio compartment will be provided under officer's seat

Radio Power pre-run Two mounted in cab; One control head with mic mounted in pump compartment

Rear Axle Leaf, Air, suspension, oil seals

Rear brakes will be Bendix 16.50x8.63 cam operated with automatic slack adjusters

Rear clearance/marker/ID lighting/red reflectors

Rear GAWR 27,000 +

Rear step corners

Rear suspension

Rear tires will be Goodyear 12R22.50 radials, G622 RSD treated

Rear wall tailboard/step construction

Reflective material, interior cab doors

Roof design

Rub Rail rub rail installed along side of body

Running boards

SCBA Bottle Storage Wheel well; for 4 to 6 bottles; 30minute/4.5 Scott

Scene Lighting Rear step work lights: activate when truck parking brake is set, there will be one on each side, under middle rear step, recessed as much as possible.

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Scene Lighting Rear Tailboard work lights: activate when truck parking brake is set, there will be one on each side, recessed.

Scene lighting [make / 3000Lumen] Cab-2 small side mounted LED

Scene lighting Brow style light PFP2

Scene Lighting 900 series; 6000 lumens minimum: Locations - LHS of Cab, RHS of Cab, LHS of Body, RHS of Body

Scene Lighting Deck Lights Three LED lights to illuminate the hose bed area. Switch control at LHS pump panel

Scene Lighting Ground Lights: activate when truck parking brake is set and able to be activated from LHS pump panel. Two under front bumper, two recessed in rub rail each side of pump panel, two under rear step. Whelen 3SC0CDCR LED NFPA compliant

Scene Lighting LED light configuration to be determined at pre-construction conference

Scene Lighting Telescopic Pole Mounted Scene Lights at the pump panel on each side; Pole switch at corresponding pump panel. 15,000 lumens minimum. Combination flood/spot

Seat belt testing

Seat belt warning/monitoring system

Seat upholstery color

Side windows

Speed top speed of vehicle, rear axel ratio, of 60MPH

Starter

Steer assist

Steering dual steering gear; heavy duty power steering; for reduced temperatures air to oil cooler and Vickers v20nf hydraulic pump, telescopic steering column; steering wheel to be 18" diameter, tilting and telescoping capabilities and 4-spoke design

Step lights at each door, activates with door opening

Step lights Four step lights 1 at each panel, 2 at rear step; activated at pump panel

Stokes Under hose bed storage compartment – Stokes will be Dept Supplied

Strainer

Striping chevron orafol reflexite

Suction Hose One 15' / 6" Suction on ladder rack – Dept. Supplied

Suction Hose Two 10' / 6" Suction in rear remove storage over LHS Compartments

Suction Hose Two 2.5" Suction – under hose bed storage compartment – Dept. Supplied

Suction Hose Two Pike Poles in storage compartment with 2.5" suction – Dept. Supplied

Sun visors

Surge tank

20JAN2023

Mont Vernon Fire Department
Mont Vernon NH

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T.I.C. Dept Supplied Thermal Imaging Charger: Pre-run power, TIC to be supplied by Department. Mounting between rear facing seats

Tailboard and Rear steps

Tire pressure indicator RWTG1235

Tire pressure monitor

Tow eyes for rear towing Two tow eyes under the rear of the body attached to frame rails. A reinforcement spreader bar connecting the two tow eyes. Tow eyes painted black

Tow hooks Two tow hooks under the bumper attached to the front frame members. Designed and positioned to allow up to a 6,000lb straight horizontal pull in line with the center line of the vehicle. Painted black

Transmission: Shifter 5 speed, shift position illuminated

Transmission: Automatic; Allison Gen6 EVS 3000P

Transmission: Drive Line heavy duty metal tube with Spicer 1710 universal joints

Transmission: Fluid

Transmission: Transmission cooler

Under seat storage compartment of all seats

Under seat storage Pull out storage compartment

Under Truck Lighting Switch on pump panel LHS

Undercoating Fluid Film or equivalent; Warranty information

Unistrut

USB ports Two sets of 3 USB. One in officer seating area, other in crew seating area

Vehicle data recorder

Voltage monitoring system

Water tank and plumbing and construction; Water tank 750 option 1000

Wheel chock truck mounting brackets, not required, Wheel chocks Two wheel chocks will be provided

Wheelbase 185" to 200"

Wheels option mounted on 22.50x9.00 steel disc type wheels

White; specify paint make and model/code number

Windows

Windshield wipers

Wiring Schematic

Work surface

20JAN2023

Mont Vernon Fire Department
Mont Vernon NH

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Pre-construction at Mont Vernon

Inspection Trip 3 firefighters / cost

Training 2 days of training following delivery and prior to acceptance. Dates to be chosen by
Fire Department

Option Federal Q Bumper mounted

Option On-Spot Chain System

Option 4 winch connects Front, rear, both sides area of pump

Detail any items that will be done by the Dealers shop vs at Company factory site.

20JAN2023

Mont Vernon Fire Department
Mont Vernon NH

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Bid process, each company that is participating has submitted full bid packages, incomplete or late bid packages will not be accepted.

If approved at town meeting, the selected company will be contacted for further meetings to complete the purchase process.

Financing

Town is going to bond this purchase

There is \$295,000.00 available from capital reserve, available as a possible down payment, depending on delivery time frame and pre-pay cost adjustment.