



Request for Bid Proposal

For:

NFPA-Complaint Water Tender Apparatus

1.0 Background:

The Burlington Fire Protection District seeks bid proposals for the District to procure a new or late-model used water tender for the District. This water tender will replace the current 1990 Ford LNT-8000 stainless steel 2,500-gallon tender apparatus.

2.0 Scope of the Project:

2.1 The Burlington Fire Protection District plans to purchase a NFPA 1901 compliant mobile water supply apparatus, hereafter referred to as a tender. The Burlington Fire Protection District desires to see written proposals from any vendors capable of building and delivering an apparatus meeting the technical requirements of this RFP, which have demonstrated the ability to construct or deliver such apparatus with regularity prior to the issuance of this RFP. Proposals will also be accepted for existing used apparatus from manufacturers that meet the previous requirements and for which a vendor for such used apparatus is able to warrant the quality and serviceability of the existing apparatus. Proposals must include but will not be limited to, identification of a firm cost for complete construction, any necessary modifications, and delivery, including an identified delivery schedule for the apparatus. Vendors submitting a proposal may exercise an option to provide the District a defined offer to purchase the existing 1990 District tender apparatus, independently and separately from the proposal to provide the new tender apparatus.

Any vendor may submit more than one proposal in response to this RFP provided each proposal submitted is for a single apparatus. **The Burlington Fire Protection District seeks to procure the most appropriate apparatus combined with the best total value in as short a delivery period as possible. All factors will be considered by the District during the evaluation process.** The Burlington Fire Protection District reserves the right to accept or reject any and all bid proposals.

2.2 The acceptance of any vendor's proposal is subject to Board of Trustee approval of any contract agreement.

3.0 Proposal Expectations:

Each bidder is requested to submit proposals that include the following information:

3.1 Brief history of company pertaining to designing and building of water tender units.

3.2 A list of five references of recent customers who have purchased similar tenders from the company.

3.3 For new apparatus proposals, manufacturer's detailed specifications for building the water tender described in this RFP are to be submitted as part of the response. For any proposals submitted for preowned/used apparatus, the detailed manufacturer specifications and apparatus detailed drawings are desired if available from the previous owner and/or original manufacturer. If such documentation is not available, the vendor shall identify the detailed specifications known about the apparatus proposed.

3.4 For new apparatus proposals, a set of detailed preliminary drawings for any new apparatus proposals. For preowned/used apparatus proposals submitted, it should include detailed drawings or photographs of the actual used apparatus. Specific requirements are set forth in section 9.0 and subsections of the RFP.

3.5 A firm cost to build the tender as specified in the proposal. This price shall be valid for a period of ninety (90) days from the date of submission to the Burlington Fire Protection District. For used apparatus proposals or demonstrator unit proposals, the firm cost to the Burlington Fire Protection District, inclusive of any associated costs or fees up to and including delivery.

3.6 A firm delivery date in calendar days from signing of contract to delivery of the completed apparatus.

3.7 A Dunn and Bradstreet report to validate the financial stability of the manufacturer of new apparatus, or for vendors of used apparatus proposed.

3.8 A summary form will be provided in Appendix A to aid the Burlington Fire Protection District during the evaluation of proposals received. This summary form is not to replace the bidder's detailed proposal required within this document. The summary form will enable Burlington Fire Protection District personnel to quickly reference specific details during the process of evaluation of the detailed proposals received. This summary form is for any apparatus proposed inclusive of new, stock, or used apparatus.

4.0 Terms of RFP:

4.1 Vendor proposals are due back by no later than 12 o'clock pm Monday, November 30, 2020 to be considered for further action. Proposals must be received in the building by the November 30th noon deadline. Faxed proposals or e-mailed responses are not acceptable. Proposals may be mailed but must be received at the fire station by the deadline for consideration. Proposals may also be dropped off in person anytime up to the deadline. Within forty-five (45) days of receipt of all on-time proposals, the Burlington Fire Protection District personnel will review each proposal, assess its accuracy, completeness, and responsiveness to fulfill the District's apparatus need. The Burlington Fire Protection District reserves the right to choose to meet with any bidder to clarify technical portions of their proposal.

4.2 **Vendors may submit multiple proposals for consideration only if each proposal is independent of another.**

4.3 The District will consider proposals for new construction units, demonstrator units, and used apparatus that meet the qualifications reasonably well.

4.4 For any used apparatus, the used apparatus can be no older than a 2010 model and must be accident-free. The vehicle must have original equipment manufacturer components that would comply with the NFPA Standard in effect at time of construction for that year of manufacture. Any major repairs including but not limited to repairs of engine, drive-train, wheels, cab, pump, or tank repairs/replacements must be clearly identified with specificity in writing within the proposal.

5.0 Communications:

5.1 The Burlington Fire Protection District urges vendors to ask questions as needed to prepare a complete and precise proposal. The principal point of contact for this project is Assistant Chief Rob Butcher with contact information listed below.

Assistant Fire Chief: Rob Butcher
E-mail: rbutcher@burlingtonkyfire.org

With Carbon Copy email: jbarlow@burlingtonkyfire.org

6.0 Vehicle Life Cycle and Equality:

6.1 This apparatus will serve the Burlington Fire Protection District for a minimum period of fifteen (15) years.

6.2 The mention of items by brand name and any specific description of same are intended to convey to the bidder the District's intent of minimum component quality and reliability that is required. Except where standardization, commonality, maintenance ease or uniqueness is designated by the words "NO EXCEPTIONS", items of equal type, quality, and approximate size which will conform substantially to the standard of excellence established and are of equivalent merit, strength, durability and appearance to perform the required functions are deemed eligible if approved in writing by the Burlington Fire Protection District. It is not the purpose or intention of these specifications to eliminate any qualified bidder.

7.0 Delivery:

7.1 Each bidder shall state their firm delivery date in calendar days from receipt of order from the Burlington Fire Protection District. The tender shall be delivered under its own power during normal business hours to the Burlington Fire Protection District. For every calendar day past the firm delivery date submitted in the proposal, the Burlington Fire Protection District will impose a one hundred dollar (\$100.00) per day liquidated damage for each day not delivered.

8.0 Exceptions and Evaluation of RFP Responses:

8.1 To insure complete understanding between the bidder and the Burlington Fire Protection District each of the specifications listed herein have a space to denote compliance with that specification. All bidders shall indicate by the checkmark sign "✓" when the proposal meets the RFP specifications as written OR shall indicate with the sign of "X" for such items when the proposal takes an exception and is NOT in compliance with the RFP specifications. For such items where "X" is indicated to identify

an exception is taken, a complete written description of the details of the exception must be specified and any alternates or details shall be provided to the District.

8.2 Failure to complete the RFP response with either a checkmark sign "✓" or an "X" sign on the RFP shall be interpreted as non-compliance and the bidder has taken exception. Any exception shall be clearly noted and explained with full written detail in the bidder's specifications on a separate piece of paper. Failure to fully and clearly explain in detail any exception may render the bid informal and be cause for rejection.

8.3 The Burlington Fire Protection District seeks a manufacturer that will stand behind the completed apparatus in its entirety. Any manufacturers submitting a bid proposal must commit in writing to the Burlington Fire Protection District how the manufacturer will handle problems, troubleshooting, warranties, disputes, or discrepancies for any subcontracts for any portion of the fabrication, construction or finish painting of any portion of the apparatus including the chassis and body.

9.0 RFP Required Documentation & Engineering Drawings: COMPLY _____ EXCEPTION _____

9.1 For used apparatus only: For proposals offering a used apparatus, vehicle drawings may be submitted if available however if such detailed drawings are no longer available, photographs of the existing apparatus indicating the same information sought from drawings of yet-to-be constructed vehicles will be considered to meet the same intent of the documentation.

9.2 One (1) complete copy of the manufacturer's response to the RFP including all documentation, drawings and certifications shall be submitted. All proposals submitted for new or demonstrator units shall include detailed engineering drawings with a minimum size of 8.5"x 11"with the following views: left & right side views of cab and body, top view of entire vehicle, all interior views and rear view of body.

9.3 The drawing shall indicate the principle dimensions including: overall length, overall height and wheelbase, front bumper to center of front wheel, center of front wheel to back wall of cab, length and width of body, and principle compartment dimensions, both interior and exterior. The drawing for any apparatus that must be manufactured upon bid award will become a part of the contract and reviewed at the engineering conference for written approval by the Burlington Fire Protection District prior to construction of the apparatus.

Based upon the fire station bay space, structural conditions and street development within the first due response area the Burlington Fire Protection District has provided the current apparatus dimension and the established maximum dimensions for the proposed tender:

Overall Length: Current apparatus is 312 inches; **maximum OAL 336 inches**
Overall Height: Current apparatus is 117 inches; **maximum OAH 117 inches**
Overall Width: Current apparatus is 97 inches; **maximum OAW 99 inches**
Wheel base: Current apparatus is 186 inches; **maximum desired wheelbase 195 inches**
Drive Axles: Rear tandem strongly preferred

- 9.4** Each bidder shall provide a complete weight analysis with the proposal indicating the GVWR for each axle, the total GVW rating for the vehicle and the estimated front and rear axle(s) weights for the loaded vehicle including full tank of water, two (2) personnel, 1000 pounds of Fire Department supplied equipment together with a full tank of fuel, and all bidder supplied equipment as outlined in these specifications.
- 9.5** Each proposal shall include a turning radius report which shall show the wall to wall, curb to curb and bumper to bumper turning radius of the proposed vehicle.
- 9.6** These specifications shall be incorporated into the final contract between the manufacturer and the Burlington Fire Protection District. Where there is a conflict between the bidder's proposal and these specifications the Burlington Fire Protection District RFP specification requirements shall prevail in all areas unless specific exception has been noted and described by the bidder with their submitted proposal.
- 9.7** All bid packages must be provided at the time of the bid opening for evaluation by the Fire Department to include technical data, manufacturer's specifications, blueprints, statements of warranty, Fire Department RFP with exceptions and clarifications noted and other supporting documentation.
- 9.8** All requested technical documentation must be submitted with the original bid and cannot be supplied at a later date after the bid opening. This shall include the requested certifications, testing documentation, blueprints and statements of warranty.
- 9.9** During the bid evaluation process by the Fire District it may be necessary to have each bidder respond to technical questions regarding their proposal. There shall be no obligation on behalf of the Burlington Fire Protection District to award a contract to any bidder as a result of these questions and any technical information supplied to Fire District officials will be kept confidential and not shared with any other bidder.
- 10.0 Engineering Conference (New) and Final Inspection:** COMPLY_____ EXCEPTION_____
- 10.1** The bidder's proposal shall include arrangements for an engineering conference by teleconference or video conference from the Burlington Fire Station for any pre-production or in-production apparatus.
- 10.2** The bidder's proposal shall offer a virtual final inspection trip prior to delivery of the completed apparatus. The District may opt to conduct an in-person final inspection trip, at the District's expense, prior to delivery of the apparatus. Specific timing of the final inspection virtual or in-person trip shall be mutually agreeable between the Burlington Fire Protection District and the manufacturer.
- 10.3** The manufacturer will be responsible for all associated costs for the engineering teleconference/video-conference and the virtual final inspection. Should the District exercise the option for an in-person inspection at any time, the District will cover at the District's expense, any travel, lodging, and meals as appropriate for District personnel.

10.4 The Fire District's final inspection of the fully completed apparatus will include a road and operational testing upon delivery. Any deficiencies noted during this operational inspection shall be corrected to the full satisfaction of the Burlington Fire Protection District prior to the District's acceptance of the apparatus.

10.5 The manufacturer shall appoint a principal point of contact within the sales and engineering groups who will administer on behalf of the manufacturer all aspects of the contract for the apparatus.

11.0 Terms of Vehicle Performance: COMPLY _____ EXCEPTION _____

11.1 The GAWR and GVWR of the chassis will be adequate to carry the fully equipped apparatus with personnel, full tank of water, along with fixed and loose firefighting equipment, firefighter Personal Protective equipment (PPE) and breathing apparatus.

11.2 The vehicle shall be road tested fully loaded, covering a continuous run of not less than ten (10) miles made under average driving conditions. The apparatus shall show no loss of power, overheating, or leakage. The transmission, drive shafts, and axles shall run quietly and be free from abnormal vibration or noise throughout the operating range of the apparatus. The apparatus will be delivered to the Burlington Fire Protection District driven over the road for proper break-in. This shall be completed prior to final acceptance by the Burlington Fire Protection District and the release of final payment for the completed apparatus.

11.3 In the event the apparatus fails to meet the test requirements of these specifications on the first trials, second trials may be made at the option of the bidder within 30 days of the date of the first trials. Such trials shall be final and conclusive and failure to comply with these requirements shall be cause for rejection. Permission from the manufacturer to keep or store the apparatus in any building owned or occupied by the purchaser or its use by the Burlington Fire Protection District for inspection and testing during the above specified period shall not constitute acceptance.

12.0 Terms of Vehicle Acceptance and Payment: COMPLY _____ EXCEPTION _____

12.1 The Burlington Fire Protection District shall accept the vehicle upon delivery of the completed apparatus to the Fire District station at 6050 Firehouse Drive in Burlington, Kentucky, after all discrepancies noted during the final inspection have been successfully completed and repaired.

12.2 In addition all required documentation, certified weight ticket for the completed apparatus, electrical load analysis, warning light certifications and all manuals including as- built wiring diagrams shall be delivered with the apparatus, prior to final acceptance and payment by the Burlington Fire Protection District. For used apparatus proposals, if selected by the District for purchase, all available documents previously identified in this section should accompany the apparatus when delivered.

12.3 Payment for the apparatus shall be made in full upon delivery and acceptance as defined above. Each bidder shall submit one (1) lump sum price for the apparatus shall be supplied in accordance with these specifications.

13.0 Delivery and Training: COMPLY _____ EXCEPTION _____

13.1 The Burlington Fire Protection District desires to have the completed apparatus delivered as soon as possible from receipt of order and signed contract. Each bidder shall state their firm delivery date in calendar days from receipt of order from the Burlington Fire Protection District.

13.2 The apparatus to insure proper break in of all components while still under warranty shall be delivered under its own power. The apparatus shall undergo a pre-delivery inspection at a local authorized dealership prior to delivery to the Burlington Fire Protection District.

13.3 Each bidder shall identify their service and warranty facilities within their proposal for review by the Burlington Fire Protection District.

13.4 Qualified training technician representing the manufacturer/bidder shall coordinate with the Fire District to provide instruction for personnel in the proper operation, care and maintenance of the apparatus and equipment delivered. The technician shall conduct a complete destination inspection and correct any deficiencies identified during the inspection.

13.5 The successful bidder shall be responsible for all costs associated with the delivery training at the Burlington Fire Protection District station. In-service training sessions for each of the three on-duty shifts shall be completed. Such training may be offered within a 48 hour timeframe to include the afternoon of day 1, any daytime session for day 2, and prior to noon of day 3 to make sure Burlington Fire Protection District personnel are appropriately trained on the use and operation of the unit.

14.0 Minimum Warranty Requirements: COMPLY _____ EXCEPTION _____

14.1 The entire vehicle shall be the responsibility of the successful bidder. Any component other than the bidder's own is the responsibility of the bidder in regards to settling service and warranty issues. All warranties mileage or year specific will begin upon the date of acceptance after a final inspection has been completed on the physical property 6050 Firehouse Dr. Burlington KY 41005. Any defects found at any location for any reason prior to the inspection on the property listed above will fall under the responsibility of the bidder.

14.2 The manufacturer shall warranty each new apparatus to be free from defects in materials or workmanship under normal use and service. This warranty shall include the necessary parts and labor to affect any required repairs during the identified warranty

period from the date of acceptance by the Burlington Fire Protection District.

- 14.3** Chassis frame rails and cross members shall be warranted to be free from structural defects, cracking or deformation of components for not less than fifteen (15) years from the date of the District’s purchase of the vehicle.
- 14.4** Cab and Body Structure, including the body sub frame shall be warranted against structural defects including cracking, deformation of material and corrosion for a period specified in the proposal.
- 14.5** The finish paint on the cab and body; shall be warranted against peeling, cracking and adhesion for a period specified in the proposal.
- 14.6** Transportation and shipping costs to successfully complete any warranty work on the apparatus shall be the responsibility of the successful manufacturer if such work cannot be completed within 30 miles of the Burlington Fire Protection District. Additionally, any mileage incurred for warranty work beyond 30 miles from Burlington, KY shall not be counted against the warranty mileage limitation.
- 14.7** Each manufacturer shall supply specific statements of warranty with their proposal for each of these areas and shall note any specific exclusion due to age, mileage, or other terms of use.
- 14.8** Proposals submitted for used apparatus will ideally have a 12-month bumper-to-bumper warranty issued by the vendor. If such a 12-month warranty is unavailable, vendors shall indicate in writing specifically any warranties requested in this RFP which are applicable or excluded and the timeframes applicable to each. The District is aware that used apparatus warranties, if any, are different than new construction apparatus warranties. The warranties included or excluded will be a factor for District consideration regarding any potential award.
- 14.9** Any warranty work conducted on the apparatus shall be documented with a no cost invoice to the Burlington Fire Protection District outlining the work completed and any parts that were repaired or replaced. This documentation shall be supplied within fourteen (14) days of any completed warranty work.

15.0 Cab and Chassis Requirements: COMPLY_____ EXCEPTION_____

15.1 Cab General:

15.1.1 The Burlington Fire Protection District seeks a standard 2-door commercial cab such as Freightliner M2, International, Kenworth, or comparable cab. Custom cabs may be submitted if overall length dimensions of the tender apparatus can be accomplished.

15.2 Cab Exterior

15.2.1 Lighting requirements of the Department of Transportation and the National Fire

Protection Association shall be met. LED lighting is preferred if available. Bidder shall specify manufacturer and model of lighting being provided.

15.2.2 Cab exterior shall be red.

15.2.3 Cab step surfaces shall be non-slip material steps suitable for a safe and secure cab entry of a firefighter wearing firefighting boots.

15.2.4 Air horns and siren speakers are to be located so that it prevents hearing damage to cab occupants with such items mounted low on the cab rather than atop the cab. If openings are available on the apparatus' front bumper the bumper openings may be used.

15.3 Cab Interior:

15.3.1 Cab is to be provided with heat and air conditioning with controls at the front dash area.

15.3.2 Cab interior to be provided with a minimum of one (1) LED red/white split lens lighting on the cab ceiling area above each seat position and within the reach of the seated occupant.

15.3.3 Cab interior to be finished with heavy duty material such as ruggedized synthetic material or metal to prevent cracks, breaks, or other damage through normal firefighter use.

15.4 Chassis:

15.4.1 Frame to be constructed of high strength materials with sufficient cross members for the intended load of the apparatus. Bidder to specify exact materials, frame dimensions, section modulus and RBM for the frame. The frame and cross members shall be warranted for not less than fifteen (15) years from the date of purchase.

15.4.2 Axle ratings shall be appropriate for fully loaded apparatus with some available capacity for future equipment that could be added over the life cycle of the vehicle. Axle ratings shall be specified as well as total Gross Vehicle Weight Rating in the proposal submitted. Ideal proposals would include 23,000-pound rear tandem axles and a 15,000-pound front steering axle rating. Rear tandem axles shall be equipped with a differential lock and power divider.

15.4.3 Top speed of vehicle is to be specified in the proposal.

15.4.4 Engine is to be a diesel engine with a minimum of 375 horsepower rating with the ideal powerplant being a 13-liter engine but appropriate horsepower rating for the proposed apparatus.

15.4.5 Transmission is to be an automatic transmission for emergency vehicle service use. The transmission is to be matched to the engineered specific apparatus

needs and the make and model used in the apparatus shall be specified in the proposal.

- 15.4.6 Driveline manufacturer and model number is to be specified in the proposal.
- 15.4.7 Engine is to be equipped with auxiliary braking system; speed compression engine brake with controls and indicator lights.
- 15.4.8 Fuel tank- construction materials of tank, and support system must be specified in the bid proposal. Fuel tank may be located under cab entry steps or within the apparatus body. If the fuel tank is in the apparatus body area, a door shall be provided on the body which shall cover both the diesel fuel fill and any engine exhaust system fluid fill locations.
- 15.4.9 Chassis exhaust shall terminate on the curb/right-side body with heat shields to be provided on the exhaust piping. The exhaust tailpipe must be capable of supporting an existing exhaust capture system currently installed in the Burlington Fire Protection District station and the exhaust termination shall be located prior to the rear wheels with a tailpipe approximately 14 inches off the ground.
- 15.4.10 Any front axle steering assist devices shall have manufacturer and model specified within the proposal.
- 15.4.11 Chassis braking system shall be specified in detail and shall be designed to provide heavy duty braking capability for the maximum GVWR of the vehicle. The brakes are to be heavy-duty disc and rotor style brakes in the front and rear.
- 15.4.12 Chassis suspension should reduce horizontal sway as much as possible through use of solid cushions instead of springs in the rear tandem axle suspension.

15.5 Chassis Electrical

- 15.5.1 All chassis wiring shall be protected against damage and shall be covered in a loom and secured with permanently attached clamps. No exposed wiring shall be permitted under the cab, chassis or body. No push on style connectors shall be permitted. Where required access panels shall be provided in the body to cover exposed wiring and electronic controls.
- 15.5.2 A battery system shall be provided that meets or exceeds the cold cranking amps (CCA) rating specified by the engine manufacturer.
- 15.5.3 The batteries shall be mounted to prevent movement during apparatus operation and shall be protected against accumulations of road spray, snow, road debris, vibration, and temperatures that exceed the battery manufacturer's recommendations. Batteries shall be readily accessible for examination, testing, and maintenance. Location, methods of protection and description of access shall be detailed in the proposal submitted.
- 15.5.4 A means shall be provided for jump-starting the engine if the batteries are not easily

accessible.

15.5.5 Should the proposal submitted incorporate an enclosed battery compartment, the proposal shall detail how the compartment shall be ventilated to the exterior to prevent the buildup of heat and explosive fumes.

15.5.6 A dual Kussmaul battery charger & conditioner with auto eject shall be provided.

15.5.7 A shoreline air supply connection with male fitting shall be provided on the driver's side of the cab to allow for a constant air supply to be maintained when the vehicle is in the station.

15.5.8 An electronic back up alarm shall be provided. Bidder shall provide manufacturer and model of alarm being provided.

15.5.9 All chassis running lights, marker lights, mid-body turn signals shall be LED style; bidder to provide make and model of each light. The rear body stop, tail, back up lights and cornering lights shall be LED style.

15.5.10 One (1) LED flashing light with alarm shall be provided and installed to indicate a cab or compartment door open.

16.0 Apparatus Body

16.1 Water tank shall be constructed of corrosion resistant materials of either polypropylene or stainless steel.

16.2 Water tank shall have a capacity of not less than 2,000 gallons and not more than 3,000 gallons. If the apparatus proposed is not yet constructed, the ideal capacity for the District is 2,500 gallons.

16.3 Water tank shall be baffled in accordance with NFPA standards.

16.4 Water tank shall have at least one 10-inch or larger dump valve at the rear of the apparatus tank with electronically activated dump control valve(s) located at the rear of the apparatus and a duplicate set inside the cab to allow for the driver to activate without leaving the cab. If the apparatus proposed is not yet constructed, the ideal design desired by the District is dual 10-inch dump valves at the rear of the apparatus.

16.5 The apparatus' water dump valve(s) assembly shall be equipped with a directional accessory to allow for either manual installation or manual rotation to accomplish a side discharge if needed. If the proposed apparatus is equipped with dual dump discharges, they shall both be equipped to allow for discharge bend/extensions to be manually placed on either discharge to allow for a single side discharge operation.

16.6 There shall be adequate and appropriate venting to allow for rapid dump operations or the discharge of tank water from the onboard PTO pump without creating negative pressures that would cause damage to the water tank.

16.7 An access ladder with non-slip surface shall be installed on the body/tank to allow for access to the top side of the tank opening/lid and apparatus body.

- 16.8** The apparatus body shall be equipped with compartments to allow for storage of:
- 16.8.1 A Husky fold-a-tank portable water pool dimensions 36 inches high by 13.75 feet long by 12 inches deep. The fold-a-tank storage shall be on a hinged load system to allow for drop down-lift out deployment or may have a mechanically assisted deployment storage compartment. Storage configurations shall not require fire personnel to lift the fold-a-tank more than 36 inches from the ground to stow in the storage compartment or bracket.
 - 16.8.2 At least two (2) 10-foot sections of 6-inch diameter hard suction hose with lugs
 - 16.8.3 One SCBA in a bracket within a side compartment. No SCBA in cab area.
 - 16.8.4 One hundred feet (100') of rolled 3-inch fire hose
 - 16.8.5 Two hundred feet (200') of rolled 2-1/2-inch fire hose
 - 16.8.6 Miscellaneous fittings and adapters
 - 16.8.7 Float strainer
 - 16.8.8 Low-level strainer with 6-inch threaded coupling
 - 16.8.9 One pike pole
 - 16.8.10 Directional water chutes if the apparatus dump valve assembly does not allow for discharge rotation.
- 16.9** Fill inlets shall be provided on the rear of the apparatus with two (2) three-inch inlets or greater diameter. Fill inlets shall have National Standard Thread and equipped with a valve on the apparatus for each inlet.
- 16.10** The apparatus shall be equipped with a PTO driven pump with a preferred capacity between 300 and 600 gallons per minute. Used or demonstrator apparatus proposals which are equipped with a separate small engine auxiliary pump pre-plumbed from tank water supply may be considered but will be of lower priority than proposals with PTO pump equipment.
- 16.11** A camera system shall be provided with the camera installed at the rear of the apparatus to assist in backing operations. Viewing screen to be in cab and within sight of the driver. The camera shall be protected from damage and the weather with a cover.
- 16.12** All emergency lighting is to be LED or Fire District approved equivalent. Emergency lighting will meet all current NFPA requirements. Final locations, warning light lens colors, shall be specified on existing apparatus or determined at the engineering conference for any custom build proposals.
- 16.12.1 Two (2) LED scene lights shall be provided on both sides of the body and the rear of the apparatus.
 - 16.12.2 Each enclosed body compartment shall be provided with lighting which shall activate when a compartment door is opened. LED compartment lighting is preferred. Lights shall be provided to illuminate the entire compartment

including under shelves. Exact location, manufacturer make and model number, shall be specified for existing lighting; for any custom build apparatus, the District will finalize exact location of these lights during the engineering conference.

16.12.3 LED lights with individual switches shall be provided inside of the engine compartment.

16.12.4 LED lights shall be provided at each step surface.

16.12.5 An electronic siren with a matched 100 watt speaker shall be provided and installed.

17.0 Painting, Lettering and Striping: COMPLY _____ EXCEPTION _____

17.1 The cab and apparatus body shall be painted in a single color; red. The paint warranty desired will be warranted for a minimum of seven (7) years. For new construction proposals that will be painted during production, the fire department shall provide paint numbers at the engineering conference. If proposal submitted includes a used unit, a demonstration unit, or a stock unit, the paint color(s) and design shall be detailed in the proposal.

17.2 Vehicle Lettering and Striping:

17.2.1 Reflective striping will be white for the cab and portions of the body.

Additional design features, similar to current vehicles within the department, and will be determined at the engineering conference for the cab front and sides and apparatus body sides.

17.2.2 There shall be alternating 6-inch wide chevron striping located on the rear-facing vertical surface of the apparatus to comply with NFPA 1901 requirements. The colors shall be red and fluorescent yellow.

18.0 Equipment: COMPLY _____ EXCEPTION _____

At least one (1) Streamlite Vulcan hand light with charger(s) shall be provided and installed on the apparatus. Final location to be specified on existing apparatus or determined at the engineering conference for any custom build proposals.

19.0 Manuals: COMPLY _____ EXCEPTION _____

19.1 For new construction proposals, one (1) AS BUILT copy of all operator, service, and parts manuals shall be supplied at the time of delivery. The manuals shall be provided in both a hard copy and electronic format for all components. The manuals shall include the following information:

- Complete set of engine service manuals.

- Complete set of transmission service manuals.
- Complete set sets of chassis maintenance manuals.
- Complete set of installed electrical system component manuals.
- Complete set of operator's instruction manuals for the vehicle chassis.
- Complete set of manuals for all other additional equipment or options installed on the vehicle.

20.0 OPTIONAL ITEMS

20.0.1 OPTIONAL offer to purchase existing District apparatus

Proposals submitted are encouraged to consider providing an optional purchase price for the District's existing 1990 Ford LNT 8000 chassis, stainless steel 2,500-gallon tank, tender apparatus. Any offers to purchase will be considered independently of the proposal to supply a new or used unit to the District. Proposals declining to submit an offer to purchase the existing apparatus will receive equal consideration with all other proposals submitted. The District reserves the right to reject any or all offers submitted to purchase the 1990 unit.

20.0.2 OPTIONAL cost for an additional camera to view apparatus blind spot.

An optional additional camera allowing the driver to view the apparatus' blind spot may be considered if available but must be priced separately as a specific add-on option and not in the base proposal price. Apparatus equipped with blind spot camera capability will not receive any competitive advantage. The District may choose to add the feature if available and the option is cost effective for the District. For used apparatus that may have this feature already installed, the blind spot camera may be identified as "Option included in proposal price."

End of Burlington Fire Protection District RFP

Burlington Fire Protection District Board of Trustees c/o Robert Butcher, Assistant Chief
V20-1

APPENDIX A

Summary Information Only

Manufacturer name: _____

Vendor name: _____

Total purchase price of unit with details specified in the proposal based upon payment in full at time of delivery \$ _____

Wheelbase: _____ inches

Overall height: _____ inches

Overall length: _____ inches

Delivery time in days from properly executed purchase order: _____ days

Section 20.0 OPTIONS

20.0.1 Offer to purchase existing 1990 tender \$ _____

20.0.2 Additional blind-spot camera installed \$ _____