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**FLORIDA SHERIFFS ASSOCIATION, FLORIDA FIRE CHIEFS'
ASSOCIATION, & FLORIDA ASSOCIATION OF COUNTIES**

SPECIFICATION #01 – TYPE I AMBULANCE

**2 WHEEL DRIVE – 4 WHEEL DRIVE OPTIONAL
(DIESEL ENGINE, DUAL REAR WHEEL, CAB & CHASSIS)**

ALL ITEMS FACTORY INSTALLED UNLESS OTHERWISE INDICATED

INSTRUCTIONS: In the first column labeled “**Manufacturer’s Base Vehicle Standard Equipment**”, check the applicable areas where the manufacturer’s base vehicle standard equipment meets the minimum specifications of the base vehicle bid.

Scope & General Requirements: This specification describes an ambulance configuration as defined in the **FEDERAL SPECIFICATION FOR AMBULANCES, KKK-A-1822F, or most current revision**. Unless otherwise specified, described vehicle shall comply with KKK-A-1822F and the current **National Truck Equipment Association/Ambulance Manufacturers Division Standards, as well as the Chassis Manufacturers Incomplete Vehicle Manual, Body Builders Layout Book and Ford Motor Company Qualified Vehicle Modifiers (QVM) Program Truck Guidelines**.

The bidder is to understand that the Florida Sheriffs Association does not guarantee any quantity of vehicles will be ordered off this contract. The bidder will further understand that this program operates under a split bid award system which allows the end user authority to purchase from any of the responsive bidders authorized and awarded to do business off this contract. **The end user authority will contract directly and individually with the awarded bidder of their choice for any and all vehicles offered on this contract and any other features, options and equipment items required to meet their individual needs. Customers shall choose from options furnished to them by the manufacturer.**

Delivery of the vehicles shall be accomplished by factory or dealer drive away programs. However, the right is reserved for the individual end users to pick up the vehicles at either the factory or the dealership.

Prospective bidder(s) are advised that the following documentation is to be included and made a part of the bid submission. The Bid Coordinator reserves the right to disqualify any bidder(s) who are in non-compliance with this provision.

Bid Bond: A five percent (5%) Bid Bond issued by a bonding company licensed to conduct business in the state of Florida is required for base vehicle price and shall be provided as part of the bid package. Bid bond will be made out to the Florida Sheriffs Association as coordinator of this bid unless otherwise indicated or approved by FSA’s Bid Coordinator.

Performance Bond: The contractor is required to notify the customer of the availability of a one hundred percent performance bond at an additional cost to the customer. The company submitting the performance bond must have a minimum A rating as determined by A.M. Best Company. The cost of the performance bond will be based on the final price of the contract and must be provided to the customer in writing.

Note: A letter from a bonding company licensed to do business in Florida must be submitted with the bid stating that the manufacturer will provide a 100% Performance Bond between the bidder and the end user authority upon award of this bid.

The manufacturer of this vehicle:

- Shall be a current member in good standing of the Ford Motor Company Qualified Vehicle Modifier Program, and shall submit a copy of the membership certificate as part of the bid proposal.
- Shall be a Participating Member of the National Truck Equipment Association's Ambulance Manufacturers Division and submit a copy of his membership certificate as part of the bid proposal.
- Must be in compliance with Fed. Spec. KKK-A-1822F, or most current revision, for the type vehicle described herein, as prepared by an independent third party testing laboratory, and must have "Star of Life" certification affixed to ambulance upon delivery. (In-house certification will not be acceptable.)
- Shall carry not less than ten million dollars (\$10,000,000.00) in product liability insurance, listing the Florida Sheriffs Association as additional insured, and shall submit a copy of this insurance with the bid proposal.
- Shall possess a Florida Motor Vehicle Department license as a Manufacturer of Motor Vehicles and shall provide a copy of the license with the bid proposal.
- Shall be or have a Florida Dealer Representative who shall possess a Florida Motor Vehicle Dealers license and shall provide a copy of the license with the bid proposal.
- Shall employ full-time parts personnel with toll-free access number.
- Shall employ a full-time electrical troubleshooter with toll-free access number.
- Shall employ a full-time warranty representative with toll-free access number.
- Bidder shall submit how warranty service claims will be handled in the State of Florida.

**Manufacturer's
Base Vehicle
Standard
Equipment**

1. ENGINE

- | | |
|---|--------------------------|
| a. Turbo diesel engine, minimum 5.9L displacement. | <input type="checkbox"/> |
| b. Must include the chassis manufacturer's "AMBULANCE PREP PACKAGE" which is intended to be an ambulance or components where available. | <input type="checkbox"/> |
| c. Heavy-duty alternator, minimum 200 amp. | <input type="checkbox"/> |
| d. Maintenance free heavy-duty batteries, 750 CCA minimum, 2 battery minimum. | <input type="checkbox"/> |
| e. Manufacturer's heavy-duty engine cooling. | |

2. TRANSMISSION

- | | |
|--|--------------------------|
| a. Automatic transmission, 4 speed minimum with overdrive. | <input type="checkbox"/> |
| b. Manufacturer's heavy-duty cooling. | <input type="checkbox"/> |

3. AXLES

- | | |
|---|--------------------------|
| a. Manufacturer's standard drive axle ratio for ambulance prep. | <input type="checkbox"/> |
|---|--------------------------|

**Manufacturer's
Base Vehicle
Standard
Equipment**

4. PERFORMANCE ITEMS

- | | |
|---|--------------------------|
| a. Power steering | <input type="checkbox"/> |
| b. Anti-lock brakes | <input type="checkbox"/> |
| c. Power brakes, disc type front, disc or drum rear. | <input type="checkbox"/> |
| d. Fuel capacity, 250 miles minimum without refueling | <input type="checkbox"/> |
| e. Heavy-duty front and rear shocks. | <input type="checkbox"/> |
| f. Front stabilizer bar. | <input type="checkbox"/> |

5. COMFORT ITEMS

- | | |
|--|--------------------------|
| a. Factory installed air conditioning | <input type="checkbox"/> |
| b. Tinted glass (factory tint) | <input type="checkbox"/> |
| c. Minimum seating for two | <input type="checkbox"/> |
| d. Rubber floor mat instead of carpeting | <input type="checkbox"/> |
| e. AM/FM radio | <input type="checkbox"/> |
| f. Power door locks | <input type="checkbox"/> |
| g. Power windows | <input type="checkbox"/> |
| h. Speed control and tilt wheel. | <input type="checkbox"/> |

6. SAFETY ITEMS

- | | |
|---|--------------------------|
| a. Driver and passenger lap and shoulder belt with retractor. | <input type="checkbox"/> |
| b. Driver and passenger air bags | <input type="checkbox"/> |
| c. Dual electric horns | <input type="checkbox"/> |
| d. Outside mirrors to provide vision for vehicles 96" wide. | <input type="checkbox"/> |
| e. Two speed wipers with intermittent. | <input type="checkbox"/> |
| f. Interior dome lights wired to right and left doors. | <input type="checkbox"/> |

7. TIRES AND WHEELS

- | | |
|---|--------------------------|
| a. BSW, all season tread radial 17 inch tires, minimum. | <input type="checkbox"/> |
| b. Conventional spare tire and wheel | <input type="checkbox"/> |
| c. Jack and wheel wrench | <input type="checkbox"/> |

8. CHASSIS, FRAME, CAB

- | | |
|---|--------------------------|
| a. Minimum GVWR 13,200 lbs. | <input type="checkbox"/> |
| b. Cab and chassis only | <input type="checkbox"/> |
| c. Cab to center of axle 84 inches, minimum | <input type="checkbox"/> |

9. MODULAR BODY CONSTRUCTION

- | | |
|--|--------------------------|
| a. The ambulance body and patient compartment shall be sufficient in size and meet requirements of this specification and those of paragraph 3.10.1 and the cot fastener system to meet or exceed requirements of paragraph 3.11.6 of the current KKK-A-1822F, including all change notices. | <input type="checkbox"/> |
|--|--------------------------|

FLORIDA SHERIFFS ASSOCIATION, FLORIDA FIRE CHIEFS' ASSOCIATION, & FLORIDA ASSOCIATION OF COUNTIES

SPECIFICATION #02 – TYPE I AMBULANCE

2 WHEEL DRIVE – 4 WHEEL DRIVE OPTIONAL (GAS ENGINE, DUAL REAR WHEEL, CAB & CHASSIS)

ALL ITEMS FACTORY INSTALLED UNLESS OTHERWISE INDICATED

INSTRUCTIONS: In the first column labeled “Manufacturer’s Base Vehicle Standard Equipment”, check the applicable areas where the manufacturer’s base vehicle standard equipment meets the minimum specifications of the base vehicle bid.

Scope & General Requirements: This specification describes an ambulance configuration as defined in the **FEDERAL SPECIFICATION FOR AMBULANCES, KKK-A-1822F, or most current revision**. Unless otherwise specified, described vehicle shall comply with KKK-A-1822F and the current **National Truck Equipment Association/Ambulance Manufacturers Division Standards, as well as the Chassis Manufacturers Incomplete Vehicle Manual, Body Builders Layout Book and Ford Motor Company Qualified Vehicle Modifiers (QVM) Program Truck Guidelines**.

The bidder is to understand that the Florida Sheriffs Association does not guarantee any quantity of vehicles will be ordered off this contract. The bidder will further understand that this program operates under a split bid award system which allows the end user authority to purchase from any of the responsive bidders authorized and awarded to do business off this contract. **The end user authority will contract directly and individually with the awarded bidder of their choice for any and all vehicles offered on this contract and any other features, options and equipment items required to meet their individual needs. Customers shall choose from options furnished to them by the manufacturer.**

Delivery of the vehicles shall be accomplished by factory or dealer drive away programs. However, the right is reserved for the individual end users to pick up the vehicles at either the factory or the dealership.

Prospective bidder(s) are advised that the following documentation is to be included and made a part of the bid submission. The Bid Coordinator reserves the right to disqualify any bidder(s) who are in non-compliance with this provision.

Bid Bond: A five percent (5%) Bid Bond issued by a bonding company licensed to conduct business in the state of Florida is required for base vehicle price and shall be provided as part of the bid package. Bid bond will be made out to the Florida Sheriffs Association as coordinator of this bid unless otherwise indicated or approved by FSA’s Bid Coordinator.

Performance Bond: The contractor is required to notify the customer of the availability of a one hundred percent performance bond at an additional cost to the customer. The company submitting the performance bond must have a minimum A rating as determined by A.M. Best Company. The cost of the performance bond will be based on the final price of the contract and must be provided to the customer in writing.

Note: A letter from a bonding company licensed to do business in Florida must be submitted with the bid stating that the manufacturer will provide a 100% Performance Bond between the bidder and the end user authority upon award of this bid.

The manufacturer of this vehicle:

- Shall be a current member in good standing of the Ford Motor Company Qualified Vehicle Modifier Program, and shall submit a copy of the membership certificate as part of the bid proposal.
- Shall be a Participating Member of the National Truck Equipment Association's Ambulance Manufacturers Division and submit a copy of his membership certificate as part of the bid proposal.
- Must be in compliance with Fed. Spec. KKK-A-1822F, or most current revision, for the type vehicle described herein, as prepared by an independent third party testing laboratory, and must have "Star of Life" certification affixed to ambulance upon delivery. (In-house certification will not be acceptable.)
- Shall carry not less than ten million dollars (\$10,000,000.00) in product liability insurance, listing the Florida Sheriffs Association as additional insured, and shall submit a copy of this insurance with the bid proposal.
- Shall possess a Florida Motor Vehicle Department license as a Manufacturer of Motor Vehicles and shall provide a copy of the license with the bid proposal.
- Shall be or have a Florida Dealer Representative who shall possess a Florida Motor Vehicle Dealers license and shall provide a copy of the license with the bid proposal.
- Shall employ full-time parts personnel with toll-free access number.
- Shall employ a full-time electrical troubleshooter with toll-free access number.
- Shall employ a full-time warranty representative with toll-free access number.
- Bidder shall submit how warranty service claims will be handled in the State of Florida.

**Manufacturer's
Base Vehicle
Standard
Equipment**

10. ENGINE

- | | |
|---|--------------------------|
| a. Gas Engine, must meet KKK requirements, including all change notices | <input type="checkbox"/> |
| b. Must include the chassis manufacturer's "AMBULANCE PREP PACKAGE" which is intended to be an ambulance or components where available. | <input type="checkbox"/> |
| c. Heavy-duty alternator, minimum 200 amp. | <input type="checkbox"/> |
| d. Maintenance free heavy-duty batteries, 750 CCA minimum, 2 battery minimum. | <input type="checkbox"/> |
| e. Manufacturer's heavy-duty engine cooling. | |

11. TRANSMISSION

- | | |
|--|--------------------------|
| a. Automatic transmission, 4 speed minimum with overdrive. | <input type="checkbox"/> |
| b. Manufacturer's heavy-duty cooling. | <input type="checkbox"/> |

12. AXLES

- | | |
|---|--------------------------|
| a. Manufacturer's standard drive axle ratio for ambulance prep. | <input type="checkbox"/> |
|---|--------------------------|

**Manufacturer's
Base Vehicle
Standard
Equipment**

13. PERFORMANCE ITEMS

- | | | |
|----|--|--------------------------|
| a. | Power steering | <input type="checkbox"/> |
| b. | Anti-lock brakes | <input type="checkbox"/> |
| c. | Power brakes, disc type front, disc or drum rear. | <input type="checkbox"/> |
| d. | Fuel capacity, 250 miles minimum without refueling | <input type="checkbox"/> |
| e. | Heavy-duty front and rear shocks. | <input type="checkbox"/> |
| f. | Front stabilizer bar. | <input type="checkbox"/> |

14. COMFORT ITEMS

- | | | |
|----|---------------------------------------|--------------------------|
| a. | Factory installed air conditioning | <input type="checkbox"/> |
| b. | Tinted glass (factory tint) | <input type="checkbox"/> |
| c. | Minimum seating for two | <input type="checkbox"/> |
| d. | Rubber floor mat instead of carpeting | <input type="checkbox"/> |
| e. | AM/FM radio | <input type="checkbox"/> |
| f. | Power door locks | <input type="checkbox"/> |
| g. | Power windows | <input type="checkbox"/> |
| h. | Speed control and tilt wheel. | <input type="checkbox"/> |

15. SAFETY ITEMS

- | | | |
|----|--|--------------------------|
| a. | Driver and passenger lap and shoulder belt with retractor. | <input type="checkbox"/> |
| b. | Driver and passenger air bags | <input type="checkbox"/> |
| c. | Dual electric horns | <input type="checkbox"/> |
| d. | Outside mirrors to provide vision for vehicles 96" wide. | <input type="checkbox"/> |
| e. | Two speed wipers with intermittent. | <input type="checkbox"/> |
| f. | Interior dome lights wired to right and left doors. | <input type="checkbox"/> |

16. TIRES AND WHEELS

- | | | |
|----|--|--------------------------|
| a. | BSW, all season tread radial 17 inch tires, minimum. | <input type="checkbox"/> |
| b. | Conventional spare tire and wheel | <input type="checkbox"/> |
| c. | Jack and wheel wrench | <input type="checkbox"/> |

17. CHASSIS, FRAME, CAB

- | | | |
|----|--|--------------------------|
| a. | Minimum GVWR 13,200 lbs. | <input type="checkbox"/> |
| b. | Cab and chassis only | <input type="checkbox"/> |
| c. | Cab to center of axle 84 inches, minimum | <input type="checkbox"/> |

18. MODULAR BODY CONSTRUCTION

- | | | |
|----|---|--------------------------|
| a. | The ambulance body and patient compartment shall be sufficient in size and meet requirements of this specification and those of paragraph 3.10.1 and the cot fastener system to meet or exceed requirements of paragraph 3.11.6 of the current KKK-A-1822F, including all change notices. | <input type="checkbox"/> |
|----|---|--------------------------|

**FLORIDA SHERIFFS ASSOCIATION, FLORIDA FIRE CHIEFS'
ASSOCIATION, & FLORIDA ASSOCIATION OF COUNTIES**

**SPECIFICATION #03 – TYPE I AMBULANCE
2 WHEEL DRIVE MEDIUM DUTY
(DUAL REAR WHEEL, CAB & CHASSIS)**

ALL ITEMS FACTORY INSTALLED UNLESS OTHERWISE INDICATED

INSTRUCTIONS: In the first column labeled “Manufacturer’s Base Vehicle Standard Equipment”, check the applicable areas where the manufacturer’s base vehicle standard equipment meets the minimum specifications of the base vehicle bid.

Scope & General Requirements: This specification describes an ambulance configuration as defined in the **FEDERAL SPECIFICATION FOR AMBULANCES, KKK-A-1822F, or most current revision**. Unless otherwise specified, described vehicle shall comply with KKK-A-1822F and the current **National Truck Equipment Association/Ambulance Manufacturers Division Standards, as well as the Chassis Manufacturers Incomplete Vehicle Manual, Body Builders Layout Book and Ford Motor Company Qualified Vehicle Modifiers (QVM) Program Truck Guidelines**.

The bidder is to understand that the Florida Sheriffs Association does not guarantee any quantity of vehicles will be ordered off this contract. The bidder will further understand that this program operates under a split bid award system which allows the end user authority to purchase from any of the responsive bidders authorized and awarded to do business off this contract. **The end user authority will contract directly and individually with the awarded bidder of their choice for any and all vehicles offered on this contract and any other features, options and equipment items required to meet their individual needs. Customers shall choose from options furnished to them by the manufacturer.**

Delivery of the vehicles shall be accomplished by factory or dealer drive away programs. However, the right is reserved for the individual end users to pick up the vehicles at either the factory or the dealership.

Prospective bidder(s) are advised that the following documentation is to be included and made a part of the bid submission. The Bid Coordinator reserves the right to disqualify any bidder(s) who are in non-compliance with this provision.

Bid Bond: A five percent (5%) Bid Bond issued by a bonding company licensed to conduct business in the state of Florida is required for base vehicle price and shall be provided as part of the bid package. Bid bond will be made out to the Florida Sheriffs Association as coordinator of this bid unless otherwise indicated or approved by FSA’s Bid Coordinator.

Performance Bond: The contractor is required to notify the customer of the availability of a one hundred percent performance bond at an additional cost to the customer. The company submitting the performance bond must have a minimum A rating as determined by A.M. Best Company. The cost of the performance bond will be based on the final price of the contract and must be provided to the customer in writing.

Note: A letter from a bonding company licensed to do business in Florida must be submitted with the bid stating that the manufacturer will provide a 100% Performance Bond between the bidder and the end user authority upon award of this bid.

The manufacturer of this vehicle:

- Shall be a current member in good standing of the Ford Motor Company Qualified Vehicle Modifier Program, and shall submit a copy of the membership certificate as part of the bid proposal.
- Shall be a Participating Member of the National Truck Equipment Association's Ambulance Manufacturers Division and submit a copy of his membership certificate as part of the bid proposal.
- Must be in compliance with Fed. Spec. KKK-A-1822F, or most current revision, for the type vehicle described herein, as prepared by an independent third party testing laboratory, and must have "Star of Life" certification affixed to ambulance upon delivery. (In-house certification will not be acceptable.)
- Shall carry not less than ten million dollars (\$10,000,000.00) in product liability insurance, listing the Florida Sheriffs Association as additional insured, and shall submit a copy of this insurance with the bid proposal.
- Shall possess a Florida Motor Vehicle Department license as a Manufacturer of Motor Vehicles and shall provide a copy of the license with the bid proposal.
- Shall be or have a Florida Dealer Representative who shall possess a Florida Motor Vehicle Dealers license and shall provide a copy of the license with the bid proposal.
- Shall employ full-time parts personnel with toll-free access number.
- Shall employ a full-time electrical troubleshooter with toll-free access number.
- Shall employ a full-time warranty representative with toll-free access number.
- Bidder shall submit how warranty service claims will be handled in the State of Florida.

**Manufacturer's
Base Vehicle
Standard
Equipment**

1. ENGINE

- | | |
|---|--------------------------|
| a. Diesel engine, 6 cylinder minimum. | <input type="checkbox"/> |
| b. Heavy-duty alternator, minimum 250 amp. | <input type="checkbox"/> |
| c. Maintenance free heavy-duty batteries, 750 CCA minimum, Group 31, 2 battery minimum. | <input type="checkbox"/> |
| d. Manufacturer's heavy-duty engine cooling. | <input type="checkbox"/> |

2. TRANSMISSION

- | | |
|---|--------------------------|
| a. Automatic Transmission or Ford Torque Shift. | <input type="checkbox"/> |
| b. Manufacturer's transmission oil cooler: water to oil heavy-duty cooling. | <input type="checkbox"/> |

3. AXLES

- | | |
|---------------------------|--------------------------|
| a. Front Axle: 7,000 lbs. | <input type="checkbox"/> |
| b. Rear Axle: 12,000 lbs. | <input type="checkbox"/> |

**Manufacturer's
Base Vehicle
Standard
Equipment**

- c. Front Suspension: 7,000 lbs. ☐
- d. Rear Suspension: 12,000 lbs. air suspension with dual instant response leveling valves. ☐

4. PERFORMANCE ITEMS

- a. Power Steering ☐
- b. Anti-lock brakes ☐
- c. Power brakes, disc type front, disc or drum rear. ☐
- d. Fuel capacity, 250 miles minimum without refueling ☐
- e. Heavy-duty front and rear shocks. ☐

5. COMFORT ITEMS

- a. Factory installed air conditioning ☐
- b. Tinted glass (factory tint) ☐
- c. Dual air suspension seats with armrest, if available ☐
- d. Rubber floor mat instead of carpeting ☐
- e. AM/FM radio ☐

6. SAFETY ITEMS

- a. Driver and passenger lap and shoulder belt with retractor. ☐
- b. Dual electric horns ☐
- c. Outside mirrors to provide vision for vehicles 96" wide ☐
- d. Two speed wipers with intermittent ☐
- e. Interior dome lights wired to right and left doors. ☐
- f. Halogen headlights with daytime running feature. ☐

7. TIRES AND WHEELS

- a. BSW, all season tread radial 19.5 inch tires ☐

8. CHASSIS, FRAME, CAB

- a. Minimum GVWR 16,500 lbs. ☐
- b. Cab to center of axle 100 inches minimum ☐

9. MODULAR BODY CONSTRUCTION

- a. The ambulance body and patient compartment shall be sufficient in size and meet requirements of this specification and those of paragraph 3.10.1 and the cot fastener system to meet or exceed requirements of paragraph 3.11.6 of the current KKK-A-1822F, including all change notices. ☐

**FLORIDA SHERIFFS ASSOCIATION, FLORIDA FIRE CHIEFS'
ASSOCIATION, & FLORIDA ASSOCIATION OF COUNTIES**

**SPECIFICATION #04 – TYPE II AMBULANCE
2 WHEEL DRIVE – VAN**

ALL ITEMS FACTORY INSTALLED UNLESS OTHERWISE INDICATED

INSTRUCTIONS: In the first column labeled “**Manufacturer’s Base Vehicle Standard Equipment**”, check the applicable areas where the manufacturer’s base vehicle standard equipment meets the minimum specifications of the base vehicle bid.

Scope & General Requirements: This specification describes an ambulance configuration as defined in the **FEDERAL SPECIFICATION FOR AMBULANCES, KKK-A-1822F, or most current revision**. Unless otherwise specified, described vehicle shall comply with KKK-A-1822F and the current **National Truck Equipment Association/Ambulance Manufacturers Division Standards, as well as the Chassis Manufacturers Incomplete Vehicle Manual, Body Builders Layout Book and Ford Motor Company Qualified Vehicle Modifiers (QVM) Program Truck Guidelines**.

The bidder is to understand that the Florida Sheriffs Association does not guarantee any quantity of vehicles will be ordered off this contract. The bidder will further understand that this program operates under a split bid award system which allows the end user authority to purchase from any of the responsive bidders authorized and awarded to do business off this contract. **The end user authority will contract directly and individually with the awarded bidder of their choice for any and all vehicles offered on this contract and any other features, options and equipment items required to meet their individual needs. Customers shall choose from options furnished to them by the manufacturer.**

Delivery of the vehicles shall be accomplished by factory or dealer drive away programs. However, the right is reserved for the individual end users to pick up the vehicles at either the factory or the dealership.

Prospective bidder(s) are advised that the following documentation is to be included and made a part of the bid submission. The Bid Coordinator reserves the right to disqualify any bidder(s) who are in non-compliance with this provision.

Bid Bond: A five percent (5%) Bid Bond issued by a bonding company licensed to conduct business in the state of Florida is required for base vehicle price and shall be provided as part of the bid package. Bid bond will be made out to the Florida Sheriffs Association as coordinator of this bid unless otherwise indicated or approved by FSA’s Bid Coordinator.

Performance Bond: The contractor is required to notify the customer of the availability of a one hundred percent performance bond at an additional cost to the customer. The company submitting the performance bond must have a minimum A rating as determined by A.M. Best Company. The cost of the performance bond will be based on the final price of the contract and must be provided to the customer in writing.

Note: A letter from a bonding company licensed to do business in Florida must be submitted with the bid stating that the manufacturer will provide a 100% Performance Bond between the bidder and the end user authority upon award of this bid.

The manufacturer of this vehicle:

- Shall be a current member in good standing of the Ford Motor Company Qualified Vehicle Modifier Program, and shall submit a copy of the membership certificate as part of the bid proposal.
- Shall be a Participating Member of the National Truck Equipment Association's Ambulance Manufacturers Division and submit a copy of his membership certificate as part of the bid proposal.
- Must be in compliance with Fed. Spec. KKK-A-1822F, or most current revision, for the type vehicle described herein, as prepared by an independent third party testing laboratory, and must have "Star of Life" certification affixed to ambulance upon delivery. (In-house certification will not be acceptable.)
- Shall carry not less than ten million dollars (\$10,000,000.00) in product liability insurance, listing the Florida Sheriffs Association as additional insured, and shall submit a copy of this insurance with the bid proposal.
- Shall possess a Florida Motor Vehicle Department license as a Manufacturer of Motor Vehicles and shall provide a copy of the license with the bid proposal.
- Shall be or have a Florida Dealer Representative who shall possess a Florida Motor Vehicle Dealers license and shall provide a copy of the license with the bid proposal.
- Shall employ full-time parts personnel with toll-free access number.
- Shall employ a full-time electrical troubleshooter with toll-free access number.
- Shall employ a full-time warranty representative with toll-free access number.
- Bidder shall submit how warranty service claims will be handled in the State of Florida.

**Manufacturer's
Base Vehicle
Standard
Equipment**

1. ENGINE

- | | |
|--|--------------------------|
| a. Diesel or gas engine, must meet KKK requirements, including all change notices. | <input type="checkbox"/> |
| b. Must include the chassis manufacturer's "AMBULANCE PREP PACKAGE" intended to be an ambulance or components where available. | <input type="checkbox"/> |
| c. Heavy-duty alternator, minimum 200 amp. | <input type="checkbox"/> |
| d. Maintenance free heavy-duty batteries, 750 CCA minimum, 2 battery minimum. | <input type="checkbox"/> |
| e. Manufacturer's heavy-duty engine cooling. | <input type="checkbox"/> |

2. TRANSMISSION

- | | |
|---|--------------------------|
| a. Automatic transmission, 4 speed with overdrive, minimum. | <input type="checkbox"/> |
| b. Manufacturer's heavy-duty cooling. | <input type="checkbox"/> |

**Manufacturer's
Base Vehicle
Standard
Equipment**

3. AXLES

- a. Manufacturer's standard drive axle ratio for ambulance prep. ☐

4. PERFORMANCE ITEMS

- a. Power steering ☐
 b. Anti-lock brakes ☐
 c. Power brakes, disc type front, disc or drum rear. ☐
 d. Fuel capacity, minimum 25 gallons ☐
 e. Heavy-duty front and rear shocks. ☐
 f. Front stabilizer bar. ☐

5. COMFORT ITEMS

- a. Factory installed air conditioning ☐
 b. Tinted glass (factory tint) ☐
 c. Dual captain's chairs with armrest ☐
 d. Rubber floor mat instead of carpeting ☐
 e. AM/FM radio ☐
 f. Power door locks ☐
 g. Power windows ☐
 h. Speed control and tilt wheel. ☐

6. SAFETY ITEMS

- a. Driver and passenger lap and shoulder belt with retractor. ☐
 b. Driver and passenger air bags ☐
 c. Dual electric horns ☐
 d. Two speed wipers with intermittent ☐
 e. Interior dome lights wired to right and left doors. ☐

7. TIRES AND WHEELS

- a. BSW, all season tread radial 16 inch tires, minimum ☐
 b. Conventional spare tire and wheel ☐
 c. Jack and wheel wrench ☐

8. CHASSIS, FRAME, CAB

- a. Minimum GVWR 8,550 lbs. ☐
 b. 138" wheelbase minimum. ☐

9. MODULAR BODY CONSTRUCTION

- a. The ambulance body and patient compartment shall be sufficient in size and meet requirements of this specification and those of paragraph 3.10.1 and the cot fastener system to meet or exceed requirements of paragraph 3.11.6 of the current KKK-A-1822F, including all change notices. ☐

FLORIDA SHERIFFS ASSOCIATION, FLORIDA FIRE CHIEFS' ASSOCIATION, & FLORIDA ASSOCIATION OF COUNTIES

SPECIFICATION #05 – TYPE III AMBULANCE **2 WHEEL DRIVE** **(DIESEL ENGINE, DUAL REAR WHEEL, CAB & CHASSIS)**

ALL ITEMS FACTORY INSTALLED UNLESS OTHERWISE INDICATED

INSTRUCTIONS: In the first column labeled “**Manufacturer’s Base Vehicle Standard Equipment**”, check the applicable areas where the manufacturer’s base vehicle standard equipment meets the minimum specifications of the base vehicle bid.

Scope & General Requirements: This specification describes an ambulance configuration as defined in the **FEDERAL SPECIFICATION FOR AMBULANCES, KKK-A-1822F, or most current revision**. Unless otherwise specified, described vehicle shall comply with KKK-A-1822F and the current **National Truck Equipment Association/Ambulance Manufacturers Division Standards**, as well as the **Chassis Manufacturers Incomplete Vehicle Manual, Body Builders Layout Book and Ford Motor Company Qualified Vehicle Modifiers (QVM) Program Truck Guidelines**.

The bidder is to understand that the Florida Sheriffs Association does not guarantee any quantity of vehicles will be ordered off this contract. The bidder will further understand that this program operates under a split bid award system which allows the end user authority to purchase from any of the responsive bidders authorized and awarded to do business off this contract. **The end user authority will contract directly and individually with the awarded bidder of their choice for any and all vehicles offered on this contract and any other features, options and equipment items required to meet their individual needs. Customers shall choose from options furnished to them by the manufacturer.**

Delivery of the vehicles shall be accomplished by factory or dealer drive away programs. However, the right is reserved for the individual end users to pick up the vehicles at either the factory or the dealership.

Prospective bidder(s) are advised that the following documentation is to be included and made a part of the bid submission. The Bid Coordinator reserves the right to disqualify any bidder(s) who are in non-compliance with this provision.

Bid Bond: A five percent (5%) Bid Bond issued by a bonding company licensed to conduct business in the state of Florida is required for base vehicle price and shall be provided as part of the bid package. Bid bond will be made out to the Florida Sheriffs Association as coordinator of this bid unless otherwise indicated or approved by FSA’s Bid Coordinator.

Performance Bond: The contractor is required to notify the customer of the availability of a one hundred percent performance bond at an additional cost to the customer. The company submitting the performance bond must have a minimum A rating as determined by A.M. Best Company. The cost of the performance bond will be based on the final price of the contract and must be provided to the customer in writing.

Note: A letter from a bonding company licensed to do business in Florida must be submitted with the bid stating that the manufacturer will provide a 100% Performance Bond between the bidder and the end user authority upon award of this bid. Sprinter will be the only vehicle with a diesel engine for the Type III cutaway chassis during the period of this contract. Ford offers gas engines in the E series and General Motors will discontinue diesel at end of 2016 model year (estimated to run out by mid-summer).

The manufacturer of this vehicle:

- Shall be a current member in good standing of the Ford Motor Company Qualified Vehicle Modifier Program, and shall submit a copy of the membership certificate as part of the bid proposal.
- Shall be a Participating Member of the National Truck Equipment Association's Ambulance Manufacturers Division and submit a copy of his membership certificate as part of the bid proposal.
- Must be in compliance with Fed. Spec. KKK-A-1822F, or most current revision, for the type vehicle described herein, as prepared by an independent third party testing laboratory, and must have "Star of Life" certification affixed to ambulance upon delivery. (In-house certification will not be acceptable.)
- Shall carry not less than ten million dollars (\$10,000,000.00) in product liability insurance, listing the Florida Sheriffs Association as additional insured, and shall submit a copy of this insurance with the bid proposal.
- Shall possess a Florida Motor Vehicle Department license as a Manufacturer of Motor Vehicles and shall provide a copy of the license with the bid proposal.
- Shall be or have a Florida Dealer Representative who shall possess a Florida Motor Vehicle Dealers license and shall provide a copy of the license with the bid proposal.
- Shall employ full-time parts personnel with toll-free access number.
- Shall employ a full-time electrical troubleshooter with toll-free access number.
- Shall employ a full-time warranty representative with toll-free access number.
- Bidder shall submit how warranty service claims will be handled in the State of Florida.

**Manufacturer's
Base Vehicle
Standard
Equipment**

1. ENGINE

- | | |
|--|--------------------------|
| a. Diesel engine, must meet KKK requirements, including all change notices. | <input type="checkbox"/> |
| b. Must include the chassis manufacturer's "AMBULANCE PREP PACKAGE" intended to be an ambulance or components where available. | <input type="checkbox"/> |
| c. Heavy-duty alternator, minimum 200 amp. | <input type="checkbox"/> |
| d. Maintenance free heavy-duty batteries, 750 CCA minimum, 2 battery minimum. | <input type="checkbox"/> |
| e. Manufacturer's heavy-duty engine cooling. | <input type="checkbox"/> |

2. TRANSMISSION

- | | |
|---|--------------------------|
| a. Automatic transmission, 4 speed with overdrive, minimum. | <input type="checkbox"/> |
| b. Manufacturer's heavy-duty cooling. | <input type="checkbox"/> |

3. AXLES

- | | |
|---|--------------------------|
| a. Manufacturer's standard drive axle ratio for ambulance prep. | <input type="checkbox"/> |
|---|--------------------------|

**Manufacturer's
Base Vehicle
Standard
Equipment**

4. PERFORMANCE ITEMS

- | | | |
|----|--|--------------------------|
| a. | Power steering | <input type="checkbox"/> |
| b. | Anti-lock brakes | <input type="checkbox"/> |
| c. | Power brakes, disc type front, disc or drum rear. | <input type="checkbox"/> |
| d. | Fuel capacity, 250 miles minimum without refueling | <input type="checkbox"/> |
| e. | Heavy-duty front and rear shocks. | <input type="checkbox"/> |
| f. | Front stabilizer bar. | <input type="checkbox"/> |

5. COMFORT ITEMS

- | | | |
|----|---------------------------------------|--------------------------|
| a. | Factory installed air conditioning | |
| b. | Tinted glass (factory tint) | <input type="checkbox"/> |
| c. | Minimum seating for two | <input type="checkbox"/> |
| d. | Rubber floor mat instead of carpeting | <input type="checkbox"/> |
| e. | AM/FM radio | <input type="checkbox"/> |
| f. | Power door locks | <input type="checkbox"/> |
| g. | Power windows | <input type="checkbox"/> |
| h. | Speed control and tilt wheel. | <input type="checkbox"/> |

6. SAFETY ITEMS

- | | | |
|----|---|--------------------------|
| a. | Driver and passenger lap and shoulder belt with retractor. | |
| b. | Driver and passenger air bags. | <input type="checkbox"/> |
| c. | Dual electric horns | <input type="checkbox"/> |
| d. | Outside mirrors to provide vision for vehicles 86" wide, minimum. | <input type="checkbox"/> |
| e. | Two speed wipers with intermittent. | <input type="checkbox"/> |
| f. | Interior dome lights wired to right and left doors. | <input type="checkbox"/> |

7. TIRES AND WHEELS

- | | | |
|----|--|--------------------------|
| a. | BSW, all season tread radial 16 inch tires, minimum. | |
| b. | Conventional spare tire and wheel | <input type="checkbox"/> |
| c. | Jack and wheel wrench | <input type="checkbox"/> |

8. CHASSIS, FRAME, CAB

- | | | |
|----|--------------------------|--------------------------|
| a. | Minimum GVWR 11,030 lbs. | |
| b. | Cab/chassis cutaway | <input type="checkbox"/> |
| c. | Wheel base 138" minimum | <input type="checkbox"/> |

9. MODULAR BODY CONSTRUCTION

- | | | |
|----|--|--------------------------|
| a. | The ambulance body and patient compartment shall be sufficient in size to meet the requirements of this specification and those of paragraph 3.10.1 and the cot fastener system to meet or exceed requirements of paragraph 3.11.6 of the current KKK-A-1822F, including all change notices. | <input type="checkbox"/> |
|----|--|--------------------------|

**FLORIDA SHERIFFS ASSOCIATION, FLORIDA FIRE CHIEFS'
ASSOCIATION, & FLORIDA ASSOCIATION OF COUNTIES**

**SPECIFICATION #06 – TYPE III AMBULANCE
2 WHEEL DRIVE
(GAS ENGINE, DUAL REAR WHEEL, CAB & CHASSIS)**

ALL ITEMS FACTORY INSTALLED UNLESS OTHERWISE INDICATED

INSTRUCTIONS: In the first column labeled “**Manufacturer’s Base Vehicle Standard Equipment**” check the applicable areas where the manufacturer’s base vehicle standard equipment meets the minimum specifications of the base vehicle bid.

Scope & General Requirements: This specification describes an ambulance configuration as defined in the **FEDERAL SPECIFICATION FOR AMBULANCES, KKK-A-1822F, or most current revision**. Unless otherwise specified, described vehicle shall comply with KKK-A-1822F and the current **National Truck Equipment Association/Ambulance Manufacturers Division Standards**, as well as the **Chassis Manufacturers Incomplete Vehicle Manual, Body Builders Layout Book and Ford Motor Company Qualified Vehicle Modifiers (QVM) Program Truck Guidelines**.

The bidder is to understand that the Florida Sheriffs Association does not guarantee any quantity of vehicles will be ordered off this contract. The bidder will further understand that this program operates under a split bid award system which allows the end user authority to purchase from any of the responsive bidders authorized and awarded to do business off this contract. **The end user authority will contract directly and individually with the awarded bidder of their choice for any and all vehicles offered on this contract and any other features, options and equipment items required to meet their individual needs. Customers shall choose from options furnished to them by the manufacturer.**

Delivery of the vehicles shall be accomplished by factory or dealer drive away programs. However, the right is reserved for the individual end users to pick up the vehicles at either the factory or the dealership.

Prospective bidder(s) are advised that the following documentation is to be included and made a part of the bid submission. The Bid Coordinator reserves the right to disqualify any bidder(s) who are in non-compliance with this provision.

Bid Bond: A five percent (5%) Bid Bond issued by a bonding company licensed to conduct business in the state of Florida is required for base vehicle price and shall be provided as part of the bid package. Bid bond will be made out to the Florida Sheriffs Association as coordinator of this bid unless otherwise indicated or approved by FSA’s Bid Coordinator.

Performance Bond: The contractor is required to notify the customer of the availability of a one hundred percent performance bond at an additional cost to the customer. The company submitting the performance bond must have a minimum A rating as determined by A.M. Best Company. The cost of the performance bond will be based on the final price of the contract and must be provided to the customer in writing.

Note: A letter from a bonding company licensed to do business in Florida must be submitted with the bid stating that the manufacturer will provide a 100% Performance Bond between the bidder and the end user authority upon award of this bid.

The manufacturer of this vehicle:

- Shall be a current member in good standing of the Ford Motor Company Qualified Vehicle Modifier Program, and shall submit a copy of the membership certificate as part of the bid proposal.
- Shall be a Participating Member of the National Truck Equipment Association's Ambulance Manufacturers Division and submit a copy of his membership certificate as part of the bid proposal.
- Must be in compliance with Fed. Spec. KKK-A-1822F, or most current revision, for the type vehicle described herein, as prepared by an independent third party testing laboratory, and must have "Star of Life" certification affixed to ambulance upon delivery. (In-house certification will not be acceptable.)
- Shall carry not less than ten million dollars (\$10,000,000.00) in product liability insurance, listing the Florida Sheriffs Association as additional insured, and shall submit a copy of this insurance with the bid proposal.
- Shall possess a Florida Motor Vehicle Department license as a Manufacturer of Motor Vehicles and shall provide a copy of the license with the bid proposal.
- Shall be or have a Florida Dealer Representative who shall possess a Florida Motor Vehicle Dealers license and shall provide a copy of the license with the bid proposal.
- Shall employ full-time parts personnel with toll-free access number.
- Shall employ a full-time electrical troubleshooter with toll-free access number.
- Shall employ a full-time warranty representative with toll-free access number.
- Bidder shall submit how warranty service claims will be handled in the State of Florida.

**Manufacturer's
Base Vehicle
Standard
Equipment**

1. ENGINE

- | | |
|--|--------------------------|
| a. Gas engine, must meet KKK requirements. | <input type="checkbox"/> |
| b. Must include the chassis manufacturer's "AMBULANCE PREP PACKAGE" intended to be an ambulance or components where available. | <input type="checkbox"/> |
| c. Heavy-duty alternator, minimum 200 amp. | <input type="checkbox"/> |
| d. Maintenance free heavy-duty batteries, 750 CCA minimum, 2 battery minimum. | <input type="checkbox"/> |
| e. Manufacturer's heavy-duty engine cooling. | <input type="checkbox"/> |

2. TRANSMISSION

- | | |
|---|--------------------------|
| a. Automatic transmission, 4 speed with overdrive, minimum. | <input type="checkbox"/> |
| b. Manufacturer's heavy-duty cooling. | <input type="checkbox"/> |

3. AXLES

- | | |
|---|--------------------------|
| a. Manufacturer's standard drive axle ratio for ambulance prep. | <input type="checkbox"/> |
|---|--------------------------|

**Manufacturer's
Base Vehicle
Standard
Equipment**

4. PERFORMANCE ITEMS

- a. Power steering ☐
- b. Anti-lock brakes ☐
- c. Power brakes, disc type front, disc or drum rear. ☐
- d. Fuel capacity, 250 miles minimum without refueling ☐
- e. Heavy-duty front and rear shocks. ☐
- f. Front stabilizer bar. ☐

5. COMFORT ITEMS

- a. Factory installed air conditioning ☐
- b. Tinted glass (factory tint) ☐
- c. Minimum seating for two ☐
- d. Rubber floor mat instead of carpeting ☐
- e. AM/FM radio ☐
- f. Power door locks ☐
- g. Power windows ☐
- h. Speed control and tilt wheel. ☐

6. SAFETY ITEMS

- a. Driver and passenger lap and shoulder belt with retractor. ☐
- b. Driver and passenger air bags. ☐
- c. Dual electric horns ☐
- d. Outside mirrors to provide vision for vehicles 86" wide, minimum. ☐
- e. Two speed wipers with intermittent. ☐
- f. Interior dome lights wired to right and left doors. ☐

7. TIRES AND WHEELS

- a. BSW, all season tread radial 16" tires, minimum. ☐
- b. Conventional spare tire and wheel ☐
- c. Jack and wheel wrench ☐

8. CHASSIS, FRAME, CAB

- a. Minimum GVWR 11,030 lbs. ☐
- b. Cab/chassis cutaway ☐
- c. Wheel base 138" minimum ☐

9. MODULAR BODY CONSTRUCTION

- a. The ambulance body and patient compartment shall be sufficient in size and meet requirements of this specification and those of paragraph 3.10.1 and the cot fastener system to meet or exceed requirements of paragraph 3.11.6 of the current KKK-A-1822F, including all change notices. ☐

FLORIDA SHERIFFS ASSOCIATION, FLORIDA FIRE CHIEFS' ASSOCIATION, & FLORIDA ASSOCIATION OF COUNTIES

SPECIFICATION #07 – 70' MID MOUNTED AERIAL PLATFORM

ALL ITEMS FACTORY INSTALLED UNLESS OTHERWISE INDICATED

INSTRUCTIONS: In the first column labeled "Manufacturer's Base Vehicle Standard Equipment", check the applicable areas where the manufacturer's base vehicle standard equipment meets the minimum specifications of the base vehicle bid.

Minimum Requirements: In all areas of this specification bidders must comply with the current publication of NFPA 1901 (2009 edition) and all chapters that are appropriate for a quint apparatus with a special emphasis on Chapters 1, 2, 3, 4, 9, 12, 13, 14, 15, 16, 18, 19, FMVSS (applicable areas) and NHTSA standards. When requested, bidders must submit complete detailed specifications for the apparatus being offered, as well as all options, to the end user.

All bidders are to bid under the current NFPA 1901 standards, and all addendums that are currently in effect at the time of bidding.

The bidder is to understand that the Florida Sheriffs Association does not guarantee any quantity of vehicles will be ordered off this contract. The bidder will further understand that this program operates under a split bid award system which allows the end user authority to purchase from any of the responsive bidders authorized and awarded to do business off this contract. **The end user authority will contract directly and individually with the awarded bidder of their choice for any and all vehicles offered on this contract and any other features, options and equipment items required to meet their individual needs. Customers shall choose from options furnished to them by the manufacturer.**

Delivery of the vehicles shall be accomplished by factory or dealer drive away programs. However, the right is reserved for the individual end users to pick up the vehicles at either the factory or the dealership.

Prospective bidder(s) are advised that the following documentation is to be included and made a part of the bid submission. The Bid Coordinator reserves the right to disqualify any bidder(s) who are in non-compliance with this provision.

Bid Bond: A five percent (5%) Bid Bond issued by a bonding company licensed to conduct business in the state of Florida is required for base vehicle price and shall be provided as part of the bid package, bond must cover the highest priced submittal. Bid bond will be made out to the Florida Sheriffs Association as coordinator of this bid unless otherwise indicated or approved by FSA's Bid Coordinator.

Performance Bond: The contractor is required to notify the customer of the availability of a one hundred percent performance bond at an additional cost to the customer. The company submitting the performance bond must have a minimum A rating as determined by A.M. Best Company. The cost of the performance bond will be based on the final price of the contract and must be provided to the customer in writing.

Note: A letter from a bonding company licensed to do business in Florida must be submitted with the bid stating that the manufacturer will provide a 100% Performance Bond between the bidder and the end user authority upon award of this bid.

The manufacturer of this vehicle:

- Shall carry not less than fifteen million dollars (\$15,000,000.00) in product liability insurance, listing the Florida Sheriffs Association as additional insured, and shall submit a copy of this insurance with the bid proposal.
- Shall possess a Florida Motor Vehicle Department license as a Manufacturer of Motor Vehicles and shall provide a copy of the license with the bid proposal.
- Shall be or have a Florida Dealer Representative who shall possess a Florida Motor Vehicle Dealers license and shall provide a copy of the license with the bid proposal.
- Shall employ full-time parts personnel with toll-free access number.
- Shall employ a full-time electrical troubleshooter with toll-free access number.
- Shall employ a full-time warranty representative with toll-free access number.
- Bidder shall submit how warranty service claims will be handled in the State of Florida.

**Manufacturer's
Base Vehicle
Standard
Equipment**

1. DOCUMENTATION, DELIVERY, TRAINING

- | | |
|---|--------------------------|
| a. When requested by end user, bidders to accurately state wheelbase, cab to axle, overall length, bumper swing turn radius, curb-to-curb turning radius, overall height, overall width, GVWR, angle of approach, angle of departure and SCAAN certification for drivetrain compatibility in submitted specifications | <input type="checkbox"/> |
| b. Approval drawings provided prior to construction commencement | <input type="checkbox"/> |
| c. Two (2) sets of operator and service manuals | <input type="checkbox"/> |
| d. Delivery to be F.O.B. customer's location | <input type="checkbox"/> |
| e. Three (3) days of training by employee of manufacturer | <input type="checkbox"/> |
| f. Pump test certification by independent third party | <input type="checkbox"/> |
| g. Water tank capacity certification by independent third party | <input type="checkbox"/> |
| h. Aerial non-destructive, waterway flow test, performance and stability testing by independent third party | <input type="checkbox"/> |
| i. 12 volt and, if applicable, 110 volt testing by independent third party | <input type="checkbox"/> |
| j. Vehicle weight, as measured by certified scales | <input type="checkbox"/> |

2. CHASSIS

- | | |
|---|--------------------------|
| a. 110,000 psi steel frame rail with full length inner 110,000 psi C-channel liner | <input type="checkbox"/> |
| b. 10 gauge polished stainless steel 16" to 24" extended front bumper with aluminum diamond plate gravel shield | <input type="checkbox"/> |
| c. Tow hooks or eyes front and rear attached to the frame | <input type="checkbox"/> |
| d. 23,000 pound minimum front axle, suspension, tubeless radial tires, steel disc wheels | <input type="checkbox"/> |
| e. 31,000 pound minimum rear axle, suspension, tubeless radial tires, steel disc wheels. | <input type="checkbox"/> |

**Manufacturer's
Base Vehicle
Standard
Equipment**

- f. Front and rear mud flaps ☐
- g. NFPA 1901 Chapter 4.15.3 top speed rating requirement ☐
- h. S-cam air brakes or equivalent, as large as possible, with automatic slack adjusters ☐
- i. Manufacturer's standard compressor ☐
- j. Minimum 5000 cubic inch air reservoir capacity ☐
- k. Air dryer, color coded air lines, turn drain valves on reservoirs ☐
- l. ABS brakes ☐
- m. Power steering with tilt/telescopic wheel ☐
- n. Vehicle data recorder (VDR) in compliance with Chapter 4.11 with required software meeting 4.11.8 ☐
- o. Electronic Stability Control shall be provided in compliance with NFPA 1901 Chapter 4.13.1.2 if the manufacturer cannot comply with Chapters 4.13.1.1 through 4.13.1.1.3.2. ☐
- p. Tire pressure monitoring system with Chapter 4.13.4 ☐
- q. Aluminum Wheels ☐

3. POWERTRAIN

- a. Minimum 450 horsepower turbocharged diesel engine ☐
- b. Engine exhaust at front of right rear wheels ☐
- c. Secondary braking to meet NFPA ☐
- d. Engine manufacturer's statement of engine installation approval with approved cooling system ☐
- e. Drivelines to meet engine torque rating ☐
- f. Silicone coolant hoses with constant torque clamps ☐
- g. Automatic transmission ☐
- h. 50 gallon minimum fuel tank ☐
- i. OEM oil, fuel, transmission filters ☐

4. CAB

- a. Medium length tilt aluminum cab meeting NFPA 1901 Chapter 14.3.2 ☐
- b. Seating for four, three in SCBA seats with SCBA brackets ☐
- c. Air ride driver seat, all others fixed position ☐
- d. All persons in 3-point seat belts per Chapter 14, seats equipped with seat belt/occupant detection/warning system per Chapter 14 ☐
- e. Electric over hydraulic cab tilt with manual back-up ☐
- f. Single tone cab paint finish with 10 year paint warranty pro-rated ☐
- g. Air conditioning and heating ☐
- h. Remote controlled mirrors (from driver's position) with separate flat and convex sections ☐
- i. DOT compliant headlights ☐
- j. Forward facing turn and warning lights ☐
- k. Cornering turn and warning lights ☐
- l. Minimum four (4) dome lights with red and clear bulbs ☐
- m. Minimum four (4) under cab step lights ☐
- n. Cab and compartment door ajar light and buzzer ☐

**Manufacturer's
Base Vehicle
Standard
Equipment**

- o. One (1) engine compartment light ☐
- p. Color coded and function coded wiring ☐
- q. Alternator sized according to amp draw report ☐
- r. Minimum four (4) 750 CCA batteries ☐
- s. Load manager with automatic high idle function ☐
- t. Dual air horns with dual in-cab controls ☐

5. AERIAL PLATFORM – ALUMINUM OR STEEL

- a. Aerial shall meet or exceed all sections of NFPA 1901 Chapter 19 ☐
- b. Ladder material: aluminum or steel ☐
- c. Mid-mounted configuration ☐
- d. 3 or 4-section aerial with minimum elevation of 70' per NFPA requirements ☐
- e. Rated horizontal reach per NFPA requirements ☐
- f. Rungs shall meet all aspects of NFPA 1901 19.2.5 ☐
- g. Rungs equipped with a slip resistant surface meeting NFPA 1901 19.2.5 ☐
- h. Rungs spacing meeting NFPA 1901 19.2.5 ☐
- i. Turntable with pedestal mounted controls meeting NFPA 1901 19.4 ☐
- j. Aerial rated load capacity not flowing water: 1000 lbs. minimum in addition to equipment mounted at tip of ladder ☐
- k. Aerial rated load capacity while flowing 1000 gpm: 500 lbs. minimum in addition to equipment mounted at tip of ladder ☐
- l. Rated load capacities shall meet and /or exceed NFPA 1901 19.3 ☐
- m. The aerial shall be rated in multiple configurations per Chapter 19.3.4 ☐
- n. Extend/retract, rotate and hydraulic or electric over hydraulic controls meeting NFPA 1901 19.5 through 19.5.3.6. ☐
- o. Hydraulic pressure gauge at turntable controls ☐
- p. Illuminated Angle of Elevation Indicator meeting NFPA 1901 19.4.1 ☐
- q. Flowmeter on pump panel meeting NFPA 1901 19.6.8 ☐
- r. All aerial control devices shall meet NFPA 1901 19.17 ☐
- s. Fall protection provisions shall be provided. ☐
- t. Bidders to state type of stabilizers and overall stabilizers spread ☐
- u. Aerial shall meet structural safety factors in accordance with NFPA 1901 19.20 ☐
- v. Aerial shall meet NFPA 1901 stability safety factors Chapter 19.21 ☐
- w. Lighted turntable area ☐
- x. The aerial manufacturer (the company that manufactures the entire aerial device) shall maintain a Quality Control Program in accordance with NFPA 1901 Chapter 19.22 ☐
- y. Special attention shall be paid to meeting all safety requirements per NFPA 1901 19.20 ☐
- z. Aerial shall be fully tested and certified by third party certified testing company per NFPA 1901 19.24 and 19.25 ☐
- aa. 2-way intercom system between ladder tip and turntable control pedestal. ☐
- bb. Minimum 1000 gpm waterway system meeting NFPA 1901 with remote control nozzle (controls at fly section and at turntable control pedestal) ☐

**Manufacturer's
Base Vehicle
Standard
Equipment**

- with movable manual pinned waterway or remote control movable waterway.
- cc. Maximum travel height 10 ft. ☐
- dd. Minimum 4" waterway discharge with 4" valve with handwheel or electric control on pump panel ☐
- ee. Minimum 4" waterway inlet (non-gated) on rear or on side of body per NFPA 1901 Chapter 19.6.6 ☐
- ff. Waterway relief valve and minimum 1.5" drain ☐
- gg. Stabilizer controls and stabilizer to aerial controls mounted on left side of apparatus body at pump panel ☐
- hh. One (1) high intensity spotlights on ladder tip ☐
- ii. Two high intensity flood lights on ladder base ☐
- jj. Painted finish on steel aerial-bidder shall provide copy of paint warranty on aerial ☐
- kk. Instruction plates and signs must be installed per NFPA 1901 Chapter 19.23 ☐
- ll. The platform constructed of heat reflecting reinforced aluminum. The platform shall have a minimum floor area of 15 sq. ft. and be provided with closed sides, 45" high all around. The platform shall be completely enclosed along the floorboard to protect occupants. ☐
- mm. Two lightweight deck monitors installed. ☐

6. FIRE PUMP & PLUMBING

- a. Minimum 1250 GPM pump as rated per NFPA 1901 Chapter 16 ☐
- b. Air operated pump shift ☐
- c. Discharge pressure relief valve ☐
- d. Intake pressure relief valve ☐
- e. Master drain valve ☐
- f. Electric dry type primer ☐
- g. Pump panel lights, 3 each side ☐
- h. Pump compartment light ☐
- i. OK to pump lights in cab and at pump panel ☐
- j. Engine cooler ☐
- k. Pump cooler ☐
- l. Two (2) 6" steamers, one on side panel ☐
- m. 2.5" left side gated suction ☐
- n. 1.5" tank fill ☐
- o. Two (2) 2" crosslay hose beds over the pump compartment ☐
- p. Two (2) 2-1/2" left side discharges ☐
- q. Two (2) 2-1/2" right side discharges ☐
- r. Stainless steel schedule 10 piping with 10 year warranty ☐
- s. Panel gauge package: water tank level, tach, oil pressure, water temperature, voltmeter, light and alarm system ☐
- t. Minimum 300 gallon polypropylene booster tank with lifetime warranty ☐
- u. 3" tank to pump connection ☐
- v. Minimum 10" x 8" fill tower with minimum 4" overflow tube ☐
- w. 15 ft. of soft suction hose sized for capacity of fire pump ☐

**Manufacturer's
Base Vehicle
Standard
Equipment**

7. APPARATUS BODY

- a. Bidders to bid on each of their offered construction types: ☐
 - Extruded aluminum
 - Formed aluminum
 - Formed galvalume steel
 - Formed stainless steel
- b. Bidders to state thicknesses, alloys and construction methods of all materials used in body construction ☐
- c. Bidders to accurately state the total cubic footage of compartment space, along with each compartment size ☐
- d. Lights in compartments to meet NFPA 1901 Chapter 13.10.5 ☐
- e. Hose bed lighting must be provided per NFPA Chapter 1901 13.10.2 ☐
- f. Back up alarm ☐
- g. Ladder storage for minimum 85' NFPA ground ladders, ladders to be included ☐
- h. Rear pike pole storage for minimum of six (6) pike poles fully enclosed at rear of apparatus ☐
- i. Slide out pump operator platform ☐
- j. Hose bed with hose restraints to be NFPA quint compliant ☐
- k. Steps and handrails for climbing from ground to turntable – bidders to state exact design ☐
- l. Lights at each step ☐
- m. Stop/turn/back up lights ☐
- n. DOT clearance and marker lights ☐
- o. License plate light ☐
- p. Rear deck lights ☐
- q. Rub rail along each side of body ☐
- r. Running boards at each pump panel ☐
- s. Brushed stainless steel or black non-glare aluminum pump panels ☐

8. EMERGENCY WARNING

- a. NFPA Zone A lower and upper level lighting ☐
- b. NFPA Zone B / D lower level lighting ☐
- c. NFPA Zone C upper and lower level lighting ☐
- d. Electronic 200 watt siren/PA with minimum 100 watt speaker recessed in bumper ☐
- e. All emergency lights, stop/turn/back-up lights, DOT clearance, pump panel, compartment, step, license plate, perimeter scene, and interior dome lights to be LED ☐

9. PAINT FINISH/REFLECTIVE STRIPING

- a. Cab and body to be painted single tone with 10 year pro-rated paint and corrosion perforation warranty ☐
- b. Reflective striping in accordance with Chapter 15.9.3 ☐
- c. Reflective chevron on rear of apparatus in accordance with Chapter 15.9.3.2 ☐

**Manufacturer's
Base Vehicle
Standard
Equipment**

10. WARRANTY

- | | | |
|----|--|--------------------------|
| a. | 1 year bumper to bumper mechanical, excluding normal wear and tear items | <input type="checkbox"/> |
| b. | 10 year cab and body structural | <input type="checkbox"/> |
| c. | 10 year paint pro-rated | <input type="checkbox"/> |
| d. | 10 year corrosion perforation on cab and body | <input type="checkbox"/> |
| e. | 20 year aerial structural | <input type="checkbox"/> |
| f. | Lifetime frame warranty | <input type="checkbox"/> |
| g. | 2 year front axle | <input type="checkbox"/> |
| h. | 2 year rear axle | <input type="checkbox"/> |
| i. | 5 year engine | <input type="checkbox"/> |
| j. | 5 year fire pump | <input type="checkbox"/> |
| k. | Lifetime booster tank | <input type="checkbox"/> |
| l. | Manufacturer's standard 5 year warranty for transmission | <input type="checkbox"/> |

**FLORIDA SHERIFFS ASSOCIATION, FLORIDA FIRE CHIEFS'
ASSOCIATION, & FLORIDA ASSOCIATION OF COUNTIES**

**SPECIFICATION #08 – 75' MID MOUNTED
AERIAL APPARATUS**

ALL ITEMS FACTORY INSTALLED UNLESS OTHERWISE INDICATED

INSTRUCTIONS: In the first column labeled “Manufacturer’s Base Vehicle Standard Equipment”, check the applicable areas where the manufacturer’s base vehicle standard equipment meets the minimum specifications of the base vehicle bid.

Minimum Requirements: In all areas of this specification bidders must comply with the current publication of NFPA 1901 (2009 edition) and all chapters that are appropriate for a quint apparatus with a special emphasis on Chapters 1, 2, 3, 4, 9, 12, 13, 14, 15, 16, 18, 19, FMVSS (applicable areas) and NHTSA standards. When requested, bidders must submit complete detailed specifications for the apparatus being offered, as well as all options, to the end user.

All bidders are to bid under the current NFPA 1901 standards, and all addendums that are currently in effect at the time of bidding.

The bidder is to understand that the Florida Sheriffs Association does not guarantee any quantity of vehicles will be ordered off this contract. The bidder will further understand that this program operates under a split bid award system which allows the end user authority to purchase from any of the responsive bidders authorized and awarded to do business off this contract. **The end user authority will contract directly and individually with the awarded bidder of their choice for any and all vehicles offered on this contract and any other features, options and equipment items required to meet their individual needs. Customers shall choose from options furnished to them by the manufacturer.**

Delivery of the vehicles shall be accomplished by factory or dealer drive away programs. However, the right is reserved for the individual end users to pick up the vehicles at either the factory or the dealership.

Prospective bidder(s) are advised that the following documentation is to be included and made a part of the bid submission. The Bid Coordinator reserves the right to disqualify any bidder(s) who are in non-compliance with this provision.

Bid Bond: A five percent (5%) Bid Bond issued by a bonding company licensed to conduct business in the state of Florida is required for base vehicle price and shall be provided as part of the bid package, bond must cover the highest priced submittal. Bid bond will be made out to the Florida Sheriffs Association as coordinator of this bid unless otherwise indicated or approved by FSA’s Bid Coordinator.

Performance Bond: The contractor is required to notify the customer of the availability of a one hundred percent performance bond at an additional cost to the customer. The company submitting the performance bond must have a minimum A rating as determined by A.M. Best Company. The cost of the performance bond will be based on the final price of the contract and must be provided to the customer in writing.

Note: A letter from a bonding company licensed to do business in Florida must be submitted with the bid stating that the manufacturer will provide a 100% Performance Bond between the bidder and the end user authority upon award of this bid.

The manufacturer of this vehicle:

- Shall carry not less than fifteen million dollars (\$15,000,000.00) in product liability insurance, listing the Florida Sheriffs Association as additional insured, and shall submit a copy of this insurance with the bid proposal.
- Shall possess a Florida Motor Vehicle Department license as a Manufacturer of Motor Vehicles and shall provide a copy of the license with the bid proposal.
- Shall be or have a Florida Dealer Representative who shall possess a Florida Motor Vehicle Dealers license and shall provide a copy of the license with the bid proposal.
- Shall employ full-time parts personnel with toll-free access number.
- Shall employ a full-time electrical troubleshooter with toll-free access number.
- Shall employ a full-time warranty representative with toll-free access number.
- Bidder shall submit how warranty service claims will be handled in the State of Florida.

**Manufacturer's
Base Vehicle
Standard
Equipment**

1. DOCUMENTATION, DELIVERY, TRAINING

- | | |
|---|--------------------------|
| a. When requested by end user, bidders to accurately state wheelbase, cab to axle, overall length, bumper swing turn radius, curb-to-curb turning radius, overall height, overall width, GVWR, angle of approach, angle of departure and SCAAN certification for drivetrain compatibility in submitted specifications | <input type="checkbox"/> |
| b. Approval drawings provided prior to construction commencement | <input type="checkbox"/> |
| c. Two (2) sets of operator and service manuals | <input type="checkbox"/> |
| d. Delivery to be F.O.B. customer's location | <input type="checkbox"/> |
| e. Three (3) days of training by employee of manufacturer | <input type="checkbox"/> |
| f. Pump test certification by independent third party | <input type="checkbox"/> |
| g. Water tank capacity certification by independent third party | <input type="checkbox"/> |
| h. Aerial non-destructive, waterway flow test, performance and stability testing by independent third party | <input type="checkbox"/> |
| i. 12 volt and, if applicable, 110 volt testing by independent third party | <input type="checkbox"/> |
| j. Vehicle weight, as measured by certified scales | <input type="checkbox"/> |

2. CHASSIS

- | | |
|---|--------------------------|
| a. 110,000 psi steel frame rail with full length inner 110,000 psi C-channel liner | <input type="checkbox"/> |
| b. 10 gauge polished stainless steel 16" to 24" extended front bumper with aluminum diamond plate gravel shield | <input type="checkbox"/> |
| c. Tow hooks or eyes front and rear attached to the frame | <input type="checkbox"/> |
| d. 22,500 pound minimum front axle, suspension, tubeless radial tires, steel disc wheels | <input type="checkbox"/> |
| e. 31,000 pound minimum rear axle, suspension, tubeless radial tires, steel disc wheels. | <input type="checkbox"/> |

**Manufacturer's
Base Vehicle
Standard
Equipment**

- f. Front and rear mud flaps ☐
- g. NFPA 1901 Chapter 4.15.3 top speed rating requirement ☐
- h. S-cam air brakes or equivalent, as large as possible, with automatic slack adjusters ☐
- i. Manufacturer's standard compressor ☐
- j. Minimum 5000 cubic inch air reservoir capacity ☐
- k. Air dryer, color coded air lines, turn drain valves on reservoirs ☐
- l. ABS brakes ☐
- m. Power steering with tilt/telescopic wheel ☐
- n. Vehicle data recorder (VDR) in compliance with Chapter 4.11 with required software meeting 4.11.8 ☐
- o. Electronic Stability Control shall be provided in compliance with NFPA 1901 Chapter 4.13.1.2 if the manufacturer cannot comply with Chapters 4.13.1.1 through 4.13.1.1.3.2. ☐
- p. Tire pressure monitoring system with Chapter 4.13.4 ☐
- q. Aluminum Wheels ☐

3. POWERTRAIN

- o. Minimum 450 horsepower turbocharged diesel engine ☐
- p. Engine exhaust at front of right rear wheels ☐
- q. Secondary braking to meet NFPA ☐
- r. Engine manufacturer's statement of engine installation approval with approved cooling system ☐
- s. Drivelines to meet engine torque rating ☐
- t. Silicone coolant hoses with constant torque clamps ☐
- u. Automatic transmission ☐
- v. 50 gallon minimum fuel tank ☐
- w. OEM oil, fuel, transmission filters ☐

4. CAB

- a. Medium length tilt aluminum cab meeting NFPA 1901 Chapter 14.3.2 ☐
- b. Seating for four, three in SCBA seats with SCBA brackets ☐
- c. Air ride driver seat, all others fixed position ☐
- d. All persons in 3-point seat belts per Chapter 14, seats equipped with seat belt/occupant detection/warning system per Chapter 14 ☐
- e. Electric over hydraulic cab tilt with manual back-up ☐
- f. Single tone cab paint finish with 10 year paint warranty pro-rated ☐
- g. Air conditioning and heating ☐
- h. Remote controlled mirrors (from driver's position) with separate flat and convex sections ☐
- i. DOT compliant headlights ☐
- j. Forward facing turn and warning lights ☐
- k. Cornering turn and warning lights ☐
- l. Minimum four (4) dome lights with red and clear bulbs ☐
- m. Minimum four (4) under cab step lights ☐
- n. Cab and compartment door ajar light and buzzer ☐

**Manufacturer's
Base Vehicle
Standard
Equipment**

- o. One (1) engine compartment light ☐
- p. Color coded and function coded wiring ☐
- q. Alternator sized according to amp draw report ☐
- r. Minimum four (4) 750 CCA batteries ☐
- s. Load manager with automatic high idle function ☐
- t. Dual air horns with dual in-cab controls ☐

5. AERIAL APPARATUS – ALUMINUM OR STEEL

- a. Aerial shall meet or exceed all sections of NFPA 1901 Chapter 19 ☐
 - b. Ladder material: aluminum or steel ☐
 - c. Mid-mounted configuration ☐
 - d. 3 or 4-section aerial with minimum elevation of 75' per NFPA requirements ☐
 - e. Rated horizontal reach per NFPA requirements ☐
 - f. Rungs shall meet all aspects of NFPA 1901 19.2.5 ☐
 - g. Rungs equipped with a slip resistant surface meeting NFPA 1901 19.2.5 ☐
 - h. Rungs spacing meeting NFPA 1901 19.2.5 ☐
 - i. Turntable with pedestal mounted controls meeting NFPA 1901 19.4 ☐
 - j. Aerial rated load capacity not flowing water: 500 lbs. minimum in addition to equipment mounted at tip of ladder ☐
 - k. Aerial rated load capacity while flowing 1000 gpm: 500 lbs. minimum in addition to equipment mounted at tip of ladder ☐
 - l. Rated load capacities shall meet and /or exceed NFPA 1901 19.3 ☐
 - m. The aerial shall be rated in multiple configurations per Chapter 19.3.4 ☐
 - n. Extend/retract, rotate and hydraulic or electric over hydraulic controls meeting NFPA 1901 19.5 through 19.5.3.6. ☐
 - o. Hydraulic pressure gauge at turntable controls ☐
 - p. Illuminated Angle of Elevation Indicator meeting NFPA 1901 19.4.1 ☐
 - q. Flowmeter on pump panel meeting NFPA 1901 19.6.8 ☐
 - r. All aerial control devices shall meet NFPA 1901 19.17 ☐
 - s. Fall protection provisions shall be provided. ☐
 - t. Bidders to state type of stabilizers and overall stabilizers spread ☐
 - u. Aerial shall meet structural safety factors in accordance with NFPA 1901 19.20 ☐
 - v. Aerial shall meet NFPA 1901 stability safety factors Chapter 19.21 ☐
 - w. Lighted turntable area ☐
 - x. The aerial manufacturer (the company that manufactures the entire aerial device) shall maintain a Quality Control Program in accordance with NFPA 1901 Chapter 19.22 ☐
 - y. Special attention shall be paid to meeting all safety requirements per NFPA 1901 19.20 ☐
 - z. Aerial shall be fully tested and certified by third party certified testing company per NFPA 1901 19.24 and 19.25 ☐
 - aa. 2-way intercom system between ladder tip and turntable control pedestal. ☐
 - bb. Minimum 1000 gpm waterway system meeting NFPA 1901 with remote control nozzle (controls at fly section and at turntable control pedestal) ☐
- with movable manual pinned waterway or remote control movable waterway.

**Manufacturer's
Base Vehicle
Standard
Equipment**

- cc. Maximum travel height 10 ft. ☐
- dd. Minimum 4" waterway discharge with 4" valve with handwheel or electric control on pump panel ☐
- ee. Minimum 4" waterway inlet (non-gated) on rear or on side of body per NFPA 1901 Chapter 19.6.6 ☐
- ff. Waterway relief valve and minimum 1.5" drain ☐
- jj. Stabilizer controls and stabilizer to aerial controls mounted on left side of apparatus body at pump panel ☐
- kk. One (1) high intensity spotlights on ladder tip ☐
- ll. Two high intensity flood lights on ladder base ☐
- mm. Painted finish on steel aerial-bidder shall provide copy of paint warranty on aerial ☐
- nn. Instruction plates and signs must be installed per NFPA 1901 Chapter 19.23 ☐

6. FIRE PUMP & PLUMBING

- a. Minimum 1250 GPM pump as rated per NFPA 1901 Chapter 16 ☐
- b. Air operated pump shift ☐
- c. Discharge pressure relief valve ☐
- d. Intake pressure relief valve ☐
- e. Master drain valve ☐
- f. Electric dry type primer ☐
- g. Pump panel lights, 3 each side ☐
- h. Pump compartment light ☐
- i. OK to pump lights in cab and at pump panel ☐
- j. Engine cooler ☐
- k. Pump cooler ☐
- l. Two (2) 6" steamers, one on side panel ☐
- m. 2.5" left side gated suction ☐
- n. 1.5" tank fill ☐
- o. Two (2) 2" crosslay hose beds over the pump compartment ☐
- p. Two (2) 2-1/2" left side discharges ☐
- q. Two (2) 2-1/2" right side discharges ☐
- r. Stainless steel schedule 10 piping with 10 year warranty ☐
- s. Panel gauge package: water tank level, tach, oil pressure, water temperature, voltmeter, light and alarm system ☐
- t. Minimum 300 gallon polypropylene booster tank with lifetime warranty ☐
- u. 3" tank to pump connection ☐
- v. Minimum 10" x 8" fill tower with minimum 4" overflow tube ☐
- w. 15 ft. of soft suction hose sized for capacity of fire pump ☐

7. APPARATUS BODY

- a. Bidders to bid on each of their offered construction types: ☐
 - Extruded aluminum

**Manufacturer's
Base Vehicle
Standard
Equipment**

- Formed aluminum
 - Formed galvanized steel
 - Formed stainless steel
 - b. Bidders to state thicknesses, alloys and construction methods of all materials used in body construction ☐
 - c. Bidders to accurately state the total cubic footage of compartment space, along with each compartment size ☐
 - d. Lights in compartments to meet NFPA 1901 Chapter 13.10.5 ☐
 - e. Hose bed lighting must be provided per NFPA Chapter 1901 13.10.2 ☐
 - f. Back up alarm ☐
 - g. Ladder storage for minimum 85' NFPA ground ladders, ladders to be included ☐
 - h. Rear pike pole storage for minimum of six (6) pike poles fully enclosed at rear of apparatus ☐
 - i. Slide out pump operator platform ☐
 - j. Hose bed with hose restraints to be NFPA quint compliant ☐
 - k. Steps and handrails for climbing from ground to turntable – bidders to state exact design ☐
 - l. Lights at each step ☐
 - m. Stop/turn/back up lights ☐
 - n. DOT clearance and marker lights ☐
 - o. License plate light ☐
 - p. Rear deck lights ☐
 - q. Rub rail along each side of body ☐
 - r. Running boards at each pump panel ☐
 - s. Brushed stainless steel or black non-glare aluminum pump panels ☐
8. EMERGENCY WARNING ☐
- a. NFPA Zone A lower and upper level lighting ☐
 - b. NFPA Zone B / D lower level lighting ☐
 - c. NFPA Zone C upper and lower level lighting ☐
 - d. Electronic 200 watt siren/PA with minimum 100 watt speaker recessed in bumper ☐
 - e. All emergency lights, stop/turn/back-up lights, DOT clearance, pump panel, compartment, step, license plate, perimeter scene, and interior dome lights to be LED ☐
9. PAINT FINISH/REFLECTIVE STRIPING
- a. Cab and body to be painted single tone with 10 year pro-rated paint and corrosion perforation warranty ☐
 - b. Reflective striping in accordance with Chapter 15.9.3 ☐
 - c. Reflective chevron on rear of apparatus in accordance with Chapter 15.9.3.2 ☐

**Manufacturer's
Base Vehicle
Standard
Equipment**

11. WARRANTY

- | | | |
|----|--|--------------------------|
| a. | 1 year bumper to bumper mechanical, excluding normal wear and tear items | <input type="checkbox"/> |
| b. | 10 year cab and body structural | <input type="checkbox"/> |
| c. | 10 year paint pro-rated | <input type="checkbox"/> |
| d. | 10 year corrosion perforation on cab and body | <input type="checkbox"/> |
| e. | 20 year aerial structural | <input type="checkbox"/> |
| f. | Lifetime frame warranty | <input type="checkbox"/> |
| g. | 2 year front axle | <input type="checkbox"/> |
| h. | 2 year rear axle | <input type="checkbox"/> |
| i. | 5 year engine | <input type="checkbox"/> |
| j. | 5 year fire pump | <input type="checkbox"/> |
| k. | Lifetime booster tank | <input type="checkbox"/> |
| l. | Manufacturer's standard 5 year warranty for transmission | <input type="checkbox"/> |

FLORIDA SHERIFFS ASSOCIATION, FLORIDA FIRE CHIEFS' ASSOCIATION, & FLORIDA ASSOCIATION OF COUNTIES

SPECIFICATION #09 – 75' REAR MOUNTED AERIAL APPARATUS

ALL ITEMS FACTORY INSTALLED UNLESS OTHERWISE INDICATED

INSTRUCTIONS: In the first column labeled “Manufacturer’s Base Vehicle Standard Equipment”, check the applicable areas where the manufacturer’s base vehicle standard equipment meets the minimum specifications of the base vehicle bid.

Minimum Requirements: In all areas of this specification bidders must comply with the current publication of NFPA 1901 (2009 edition) and all chapters that are appropriate for a quint apparatus with a special emphasis on Chapters 1, 2, 3, 4, 9, 12, 13, 14, 15, 16, 18, 19, FMVSS (applicable areas) and NHTSA standards. When requested, bidders must submit complete detailed specifications for the apparatus being offered, as well as all options, to the end user.

All bidders are to bid under the current NFPA 1901 standards, and all addendums that are currently in effect at the time of bidding.

The bidder is to understand that the Florida Sheriffs Association does not guarantee any quantity of vehicles will be ordered off this contract. The bidder will further understand that this program operates under a split bid award system which allows the end user authority to purchase from any of the responsive bidders authorized and awarded to do business off this contract. **The end user authority will contract directly and individually with the awarded bidder of their choice for any and all vehicles offered on this contract and any other features, options and equipment items required to meet their individual needs. Customers shall choose from options furnished to them by the manufacturer.**

Delivery of the vehicles shall be accomplished by factory or dealer drive away programs. However, the right is reserved for the individual end users to pick up the vehicles at either the factory or the dealership.

Prospective bidder(s) are advised that the following documentation is to be included and made a part of the bid submission. The Bid Coordinator reserves the right to disqualify any bidder(s) who are in non-compliance with this provision.

Bid Bond: A five percent (5%) Bid Bond issued by a bonding company licensed to conduct business in the state of Florida is required for base vehicle price and shall be provided as part of the bid package, bond must cover the highest priced submittal. Bid bond will be made out to the Florida Sheriffs Association as coordinator of this bid unless otherwise indicated or approved by FSA’s Bid Coordinator.

Performance Bond: The contractor is required to notify the customer of the availability of a one hundred percent performance bond at an additional cost to the customer. The company submitting the performance bond must have a minimum A rating as determined by A.M. Best Company. The cost of the performance bond will be based on the final price of the contract and must be provided to the customer in writing.

Note: A letter from a bonding company licensed to do business in Florida must be submitted with the bid stating that the manufacturer will provide a 100% Performance Bond between the bidder and the end user authority upon award of this bid.

The manufacturer of this vehicle:

- Shall carry not less than fifteen million dollars (\$15,000,000.00) in product liability insurance, listing the Florida Sheriffs Association as additional insured, and shall submit a copy of this insurance with the bid proposal.
- Shall possess a Florida Motor Vehicle Department license as a Manufacturer of Motor Vehicles and shall provide a copy of the license with the bid proposal.
- Shall be or have a Florida Dealer Representative who shall possess a Florida Motor Vehicle Dealers license and shall provide a copy of the license with the bid proposal.
- Shall employ full-time parts personnel with toll-free access number.
- Shall employ a full-time electrical troubleshooter with toll-free access number.
- Shall employ a full-time warranty representative with toll-free access number.
- Bidder shall submit how warranty service claims will be handled in the State of Florida.

**Manufacturer's
Base Vehicle
Standard
Equipment**

1. DOCUMENTATION, DELIVERY, TRAINING

- | | |
|---|--------------------------|
| a. When requested by end user, bidders to accurately state wheelbase, cab to axle, overall length, bumper swing turn radius, curb-to-curb turning radius, overall height, overall width, GVWR, angle of approach, angle of departure and SCAAN certification for drivetrain compatibility in submitted specifications | <input type="checkbox"/> |
| b. Approval drawings provided prior to construction commencement | <input type="checkbox"/> |
| c. Two (2) sets of operator and service manuals | <input type="checkbox"/> |
| d. Delivery to be F.O.B. customer's location | <input type="checkbox"/> |
| e. Three (3) days of training by employee of manufacturer | <input type="checkbox"/> |
| f. Pump test certification by independent third party | <input type="checkbox"/> |
| g. Water tank capacity certification by independent third party | <input type="checkbox"/> |
| h. Aerial non-destructive, waterway flow test, performance and stability testing by independent third party | <input type="checkbox"/> |
| i. 12 volt and, if applicable, 110 volt testing by independent third party | <input type="checkbox"/> |
| j. Vehicle weight, as measured by certified scales | <input type="checkbox"/> |

2. CHASSIS

- | | |
|---|--------------------------|
| a. 110,000 psi steel frame rail with full length inner 110,000 psi C-channel liner | <input type="checkbox"/> |
| b. 10 gauge polished stainless steel 16" to 24" extended front bumper with aluminum diamond plate gravel shield | <input type="checkbox"/> |
| c. Tow hooks or eyes front and rear attached to the frame | <input type="checkbox"/> |
| d. 20,000 pound minimum front axle, suspension, tubeless radial tires, steel disc wheels | <input type="checkbox"/> |
| e. 31,000 pound minimum rear axle, suspension, tubeless radial tires, steel disc wheels | <input type="checkbox"/> |

**Manufacturer's
Base Vehicle
Standard
Equipment**

- f. Front and rear mud flaps ☐
- g. NFPA 1901 Chapter 4.15.3 top speed rating requirement ☐
- h. S-cam air brakes or equivalent, as large as possible, with automatic slack adjusters ☐
- i. Manufacturer's standard compressor ☐
- j. Minimum 5000 cubic inch air reservoir capacity ☐
- k. Air dryer, color coded air lines, turn drain valves on reservoirs ☐
- l. ABS brakes ☐
- m. Power steering with tilt/telescopic wheel ☐
- n. Vehicle data recorder (VDR) in compliance with Chapter 4.11 with required software meeting 4.11.8 ☐
- o. Electronic Stability Control shall be provided in compliance with NFPA 1901 Chapter 4.13.1.2 if the manufacturer cannot comply with Chapters 4.13.1.1 through 4.13.1.1.3.2. ☐
- p. Tire pressure monitoring system with Chapter 4.13.4 ☐
- q. Aluminum Wheels ☐

3. POWERTRAIN

- a. Minimum 450 horsepower turbocharged diesel engine ☐
- b. Engine exhaust at front of right rear wheels ☐
- c. Secondary braking to meet NFPA ☐
- d. Engine manufacturer's statement of engine installation approval with approved cooling system ☐
- e. Drivelines to meet engine torque rating ☐
- f. Silicone coolant hoses with constant torque clamps ☐
- g. Automatic transmission ☐
- h. 50 gallon minimum fuel tank ☐
- i. OEM oil, fuel, transmission filters ☐

4. CAB

- a. Medium length tilt aluminum cab meeting NFPA 1901 Chapter 14.3.2 ☐
- b. Seating for four, three in SCBA seats with SCBA brackets ☐
- c. Air ride driver seat, all others fixed position ☐
- d. All persons in 3-point seat belts per Chapter 14, seats equipped with seat belt/occupant detection/warning system per Chapter 14 ☐
- e. Electric over hydraulic cab tilt with manual back-up ☐
- f. Single tone cab paint finish with 10 year paint warranty pro-rated ☐
- g. Air conditioning and heating ☐
- h. Remote controlled mirrors (from driver's position) with separate flat and convex sections ☐
- i. DOT compliant headlights ☐
- j. Forward facing turn and warning lights ☐
- k. Cornering turn and warning lights ☐
- l. Minimum four (4) dome lights with red and clear bulbs ☐
- m. Minimum four (4) under cab step lights ☐
- n. Cab and compartment door ajar light and buzzer ☐

**Manufacturer's
Base Vehicle
Standard
Equipment**

- o. One (1) engine compartment light ☐
- p. Color coded and function coded wiring ☐
- q. Alternator sized according to amp draw report ☐
- r. Minimum four (4) 750 CCA batteries ☐
- s. Load manager with automatic high idle function ☐
- t. Dual air horns with dual in-cab controls ☐

5. AERIAL APPARATUS – ALUMINUM OR STEEL

- a. Aerial shall meet or exceed all sections of NFPA 1901 Chapter 19 ☐
- b. Ladder material: aluminum or steel ☐
- c. Rear-mounted configuration ☐
- d. 3-section aerial with minimum elevation of 75' per NFPA requirements ☐
- e. Rated horizontal reach per NFPA requirements ☐
- f. Rungs shall meet all aspects of NFPA 1901 19.2.5 ☐
- g. Rungs equipped with a slip resistant surface meeting NFPA 1901 19.2.5 ☐
- h. Rungs spacing meeting NFPA 1901 19.2.5 ☐
- i. Turntable with pedestal mounted controls meeting NFPA 1901 19.4 ☐
- j. Aerial rated load capacity not flowing water: 500 lbs. minimum in addition to equipment mounted at tip of ladder ☐
- k. Aerial rated load capacity while flowing 1000 gpm: 500 lbs. minimum in addition to equipment mounted at tip of ladder ☐
- l. Rated load capacities shall meet and /or exceed NFPA 1901 19.3 ☐
- m. The aerial shall be rated in multiple configurations per Chapter 19.3.4 ☐
- n. Extend/retract, rotate and hydraulic or electric over hydraulic controls meeting NFPA 1901 19.5 through 19.5.3.6. ☐
- o. Hydraulic pressure gauge at turntable controls ☐
- p. Illuminated Angle of Elevation Indicator meeting NFPA 1901 19.4.1 ☐
- q. Flowmeter on turntable control pedestal meeting NFPA 1901 19.6.8 ☐
- r. All aerial control devices shall meet NFPA 1901 19.17 ☐
- s. Fall protection provisions shall be provided. ☐
- t. Bidders to state type of stabilizers and overall stabilizers spread ☐
- u. Aerial shall meet structural safety factors in accordance with NFPA 1901 19.20 ☐
- v. Aerial shall meet NFPA 1901 stability safety factors Chapter 19.21 ☐
- w. Lighted turntable area ☐
- x. The aerial manufacturer (the company that manufactures the entire aerial device) shall maintain a Quality Control Program in accordance with NFPA 1901 Chapter 19.22 ☐
- y. Special attention shall be paid to meeting all safety requirements per NFPA 1901 19.20 ☐
- z. Aerial shall be fully tested and certified by third party certified testing company per NFPA 1901 19.24 and 19.25 ☐
- aa. 2-way intercom system between ladder tip and turntable control pedestal. ☐
- bb. Minimum 1000 gpm waterway system meeting NFPA 1901 with remote control nozzle (controls at fly section and at turntable control pedestal) ☐
- with movable manual pinned waterway or remote control movable waterway.

**Manufacturer's
Base Vehicle
Standard
Equipment**

- cc. Minimum 4" rear waterway inlet with pressure gauge and long handled chrome cap ☐
- dd. Minimum 4" waterway discharge with 4" valve with handwheel or electric control on pump panel ☐
- ee. Waterway relief valve and minimum 1.5" drain at rear of apparatus ☐
- ff. Stabilizer controls and stabilizer to aerial controls mounted on rear of apparatus body ☐
- gg. One (1) high intensity spotlights on ladder tip ☐
- hh. Two high intensity flood lights on ladder base ☐
- ii. Painted finish on steel aerial-bidder shall provide copy of paint warranty on aerial ☐
- jj. Instruction plates and signs must be installed per NFPA 1901 Chapter 19.23 ☐

6. FIRE PUMP & PLUMBING

- a. Minimum 1250 GPM pump as rated per NFPA 1901 Chapter 16 ☐
- b. Air operated pump shift ☐
- c. Discharge pressure relief valve ☐
- d. Intake pressure relief valve ☐
- e. Master drain valve ☐
- f. Electric dry type primer ☐
- g. Pump panel lights, 3 each side ☐
- h. Pump compartment light ☐
- i. OK to pump lights in cab and at pump panel ☐
- j. Engine cooler ☐
- k. Pump cooler ☐
- l. Two (2) 6" steamers, one on side panel ☐
- m. 2.5" left side gated suction ☐
- n. 1.5" tank fill ☐
- o. Two (2) 2" crosslay hose beds over the pump compartment ☐
- p. Two (2) 2-1/2" left side discharges ☐
- q. Two (2) 2-1/2" right side discharges ☐
- r. Stainless steel schedule 10 piping with 10 year warranty ☐
- s. Panel gauge package: water tank level, tach, oil pressure, water temperature, voltmeter, light and alarm system ☐
- t. Minimum 300 gallon polypropylene booster tank with lifetime warranty ☐
- u. 3" tank to pump connection ☐
- v. Minimum 10" x 8" fill tower with minimum 4" overflow tube ☐
- w. 15 ft. of soft suction hose sized for capacity of fire pump ☐

7. APPARATUS BODY

- a. Bidders to bid on each of their offered construction types: ☐
 - Extruded aluminum

**Manufacturer's
Base Vehicle
Standard
Equipment**

- Formed aluminum
 - Formed galvalume steel
 - Formed stainless steel
 - b. Bidders to state thicknesses, alloys and construction methods of all materials used in body construction ☐
 - c. High left side compartments or high right side compartments or lower rear compartments or hose bed ☐
 - d. Bidders to accurately state the total cubic footage of compartment space, along with each compartment size ☐
 - e. Lights in compartments to meet NFPA 1901 Chapter 13.10.5 ☐
 - f. Hose bed lighting must be provided per NFPA Chapter 1901 13.10.2 ☐
 - g. Back up alarm ☐
 - h. Rear ladder storage for minimum 85' NFPA ground ladders fully enclosed at rear of apparatus, ladders to be included ☐
 - i. Rear pike pole storage for minimum of six (6) pike poles fully enclosed at rear of apparatus ☐
 - j. Slide out pump operator platform ☐
 - k. Hose bed with hose restraints to be NFPA quint compliant ☐
 - l. Steps and handrails for climbing from ground to turntable – bidders to state exact design ☐
 - m. Lights at each step ☐
 - n. Stop/turn/back up lights ☐
 - o. DOT clearance and marker lights ☐
 - p. License plate light ☐
 - q. Rear deck lights ☐
 - r. Rub rail along each side of body ☐
 - s. Running boards at each pump panel ☐
 - t. Brushed stainless steel or black non-glare aluminum pump panels ☐
8. EMERGENCY WARNING
- a. NFPA Zone A lower and upper level lighting ☐
 - b. NFPA Zone B / D lower level lighting ☐
 - c. NFPA Zone C upper and lower level lighting ☐
 - d. Electronic 200 watt siren/PA with minimum 100 watt speaker recessed in bumper ☐
 - e. All emergency lights, stop/turn/back-up lights, DOT clearance, pump panel, compartment, step, license plate, perimeter scene, and interior dome lights to be LED ☐
9. PAINT FINISH/REFLECTIVE STRIPING
- a. Cab and body to be painted single tone with 10 year pro-rated paint and corrosion perforation warranty ☐
 - b. Reflective striping in accordance with Chapter 15.9.3 ☐
 - c. Reflective chevron on rear of apparatus in accordance with Chapter 15.9.3.2. ☐

**Manufacturer's
Base Vehicle
Standard
Equipment**10. WARRANTY

- | | | |
|----|--|--------------------------|
| a. | 1 year bumper to bumper mechanical, excluding normal wear and tear items | <input type="checkbox"/> |
| b. | 10 year cab and body structural | <input type="checkbox"/> |
| c. | 10 year paint pro-rated | <input type="checkbox"/> |
| d. | 10 year corrosion perforation on cab and body | <input type="checkbox"/> |
| e. | 20 year aerial structural | <input type="checkbox"/> |
| f. | Lifetime frame warranty | <input type="checkbox"/> |
| g. | 2 year front axle | <input type="checkbox"/> |
| h. | 2 year rear axle | <input type="checkbox"/> |
| i. | 5 year engine | <input type="checkbox"/> |
| j. | 5 year fire pump | <input type="checkbox"/> |
| k. | Lifetime booster tank | <input type="checkbox"/> |
| l. | Manufacturer's standard 5 year warranty for transmission | <input type="checkbox"/> |

FLORIDA SHERIFFS ASSOCIATION, FLORIDA FIRE CHIEFS' ASSOCIATION, & FLORIDA ASSOCIATION OF COUNTIES

SPECIFICATION #10 – 100' MID MOUNTED AERIAL APPARATUS

ALL ITEMS FACTORY INSTALLED UNLESS OTHERWISE INDICATED

INSTRUCTIONS: In the first column labeled "Manufacturer's Base Vehicle Standard Equipment", check the applicable areas where the manufacturer's base vehicle standard equipment meets the minimum specifications of the base vehicle bid.

Minimum Requirements: In all areas of this specification bidders must comply with the current publication of NFPA 1901 (2009 edition) and all chapters that are appropriate for a quint apparatus with a special emphasis on Chapters 1, 2, 3, 4, 8, 12, 13, 14, 15, 16, 18, 19, FMVSS (applicable areas) and NHTSA standards. When requested, bidders must submit complete detailed specifications for the apparatus being offered, as well as all options, to the end user.

All bidders are to bid under the current NFPA 1901 standards, and all addendums that are currently in effect at the time of bidding.

The bidder is to understand that the Florida Sheriffs Association does not guarantee any quantity of vehicles will be ordered off this contract. The bidder will further understand that this program operates under a split bid award system which allows the end user authority to purchase from any of the responsive bidders authorized and awarded to do business off this contract. **The end user authority will contract directly and individually with the awarded bidder of their choice for any and all vehicles offered on this contract and any other features, options and equipment items required to meet their individual needs. Customers shall choose from options furnished to them by the manufacturer.**

Delivery of the vehicles shall be accomplished by factory or dealer drive away programs. However, the right is reserved for the individual end users to pick up the vehicles at either the factory or the dealership.

Prospective bidder(s) are advised that the following documentation is to be included and made a part of the bid submission. The Bid Coordinator reserves the right to disqualify any bidder(s) who are in non-compliance with this provision.

Bid Bond: A five percent (5%) Bid Bond issued by a bonding company licensed to conduct business in the state of Florida is required for base vehicle price and shall be provided as part of the bid package, bond must cover the highest priced submittal. Bid bond will be made out to the Florida Sheriffs Association as coordinator of this bid unless otherwise indicated or approved by FSA's Bid Coordinator.

Performance Bond: The contractor is required to notify the customer of the availability of a one hundred percent performance bond at an additional cost to the customer. The company submitting the performance bond must have a minimum A rating as determined by A.M. Best Company. The cost of the performance bond will be based on the final price of the contract and must be provided to the customer in writing.

Note: A letter from a bonding company licensed to do business in Florida must be submitted with the bid stating that the manufacturer will provide a 100% Performance Bond between the bidder and the end user authority upon award of this bid.

The manufacturer of this vehicle:

- Shall carry not less than fifteen million dollars (\$15,000,000.00) in product liability insurance, listing the Florida Sheriffs Association as additional insured, and shall submit a copy of this insurance with the bid proposal.
- Shall possess a Florida Motor Vehicle Department license as a Manufacturer of Motor Vehicles and shall provide a copy of the license with the bid proposal.
- Shall be or have a Florida Dealer Representative who shall possess a Florida Motor Vehicle Dealers license and shall provide a copy of the license with the bid proposal.
- Shall employ full-time parts personnel with toll-free access number.
- Shall employ a full-time electrical troubleshooter with toll-free access number.
- Shall employ a full-time warranty representative with toll-free access number.
- Bidder shall submit how warranty service claims will be handled in the State of Florida.

**Manufacturer's
Base Vehicle
Standard
Equipment**

1. DOCUMENTATION, DELIVERY, TRAINING

- | | |
|---|--------------------------|
| a. When requested by end user, bidders to accurately state wheelbase, cab to axle, overall length, bumper swing turn radius, curb-to-curb turning radius, overall height, overall width, GVWR, angle of approach, angle of departure and SCAAN certification for drivetrain compatibility in submitted specifications | <input type="checkbox"/> |
| b. Approval drawings provided prior to construction commencement | <input type="checkbox"/> |
| c. Two (2) sets of operator and service manuals | <input type="checkbox"/> |
| d. Delivery to be F.O.B. customer's location | <input type="checkbox"/> |
| e. Three (3) days of training by employee of manufacturer | <input type="checkbox"/> |
| f. Pump test certification by independent third party | <input type="checkbox"/> |
| g. Water tank capacity certification | <input type="checkbox"/> |
| h. Aerial non-destructive, performance and stability testing by independent third party | <input type="checkbox"/> |
| i. 12 volt and, if applicable, 110 volt testing by independent third party | <input type="checkbox"/> |
| j. Vehicle weight, as measured by certified scales | <input type="checkbox"/> |

2. CHASSIS

- | | |
|---|--------------------------|
| a. 110,000 psi steel frame rail with full length inner 110,000 psi C-channel liner or integral torque box frame | <input type="checkbox"/> |
| b. 10 gauge polished stainless steel 16" to 24" extended front bumper with aluminum diamond plate gravel shield | <input type="checkbox"/> |
| c. Tow hooks or eyes front and rear attached to the frame | <input type="checkbox"/> |
| d. 22,500 pound minimum front axle, suspension, tubeless radial tires, steel disc wheels | <input type="checkbox"/> |
| e. 40,000 pound minimum rear axle, suspension, tubeless radial tires, steel disc wheels | <input type="checkbox"/> |

**Manufacturer's
Base Vehicle
Standard
Equipment**

- f. Front and rear mud flaps ☐
- g. NFPA 1901 Chapter 4.15.3 top speed rating requirement ☐
- h. S-cam air brakes or equivalent, as large as possible, with automatic slack adjusters ☐
- i. Manufacturer's standard compressor ☐
- j. Minimum 5000 cubic inch air reservoir capacity ☐
- k. Air dryer, color coded air lines, turn drain valves on reservoirs ☐
- l. ABS brakes ☐
- m. Power steering with tilt/telescopic wheel ☐
- n. Vehicle data recorder (VDR) in compliance with Chapter 4.11 with required software meeting 4.11.8 ☐
- o. Electronic Stability Control shall be provided in compliance with NFPA 1901 Chapter 4.13.1.2 if the manufacturer cannot comply with Chapters 4.13.1.1 through 4.13.1.1.3.2. ☐
- p. Tire pressure monitoring system with Chapter 4.13.4 ☐
- q. Aluminum Wheels ☐

3. POWERTRAIN

- a. Minimum 450 horsepower turbocharged diesel engine with 1450 ft. lb. torque rating ☐
- b. Engine exhaust at front of right rear wheels ☐
- c. Secondary braking to meet NFPA ☐
- d. Engine manufacturer's statement of engine installation approval with approved cooling system ☐
- e. Drivelines to meet engine torque rating ☐
- f. Silicone coolant hoses with constant torque clamps ☐
- g. EVS 4000 automatic transmission ☐
- h. 50 gallon minimum fuel tank ☐
- i. OEM oil, fuel, transmission filters ☐

4. CAB

- a. Medium length tilt aluminum cab meeting NFPA 1901 Chapter 14.3.2 ☐
- b. Seating for four, three in SCBA seats with SCBA brackets ☐
- c. Air ride driver seat, all others fixed position ☐
- d. All persons in 3-point seat belts per Chapter 14, seats equipped with seat belt/occupant detection/warning system per Chapter 14 ☐
- e. Electric over hydraulic cab tilt with manual back-up ☐
- f. Single tone cab paint finish with 10 year paint warranty pro-rated ☐
- g. Air conditioning and heating ☐
- h. Remote controlled mirrors (from driver's position) with separate flat and convex sections ☐
- i. DOT compliant headlights ☐
- j. Forward facing turn and warning lights ☐
- k. Cornering turn and warning lights ☐
- l. Minimum four (4) dome lights with red and clear bulbs ☐
- m. Minimum four (4) under cab step lights ☐

**Manufacturer's
Base Vehicle
Standard
Equipment**

- n. Cab and compartment door ajar light and buzzer ☐
- o. One (1) engine compartment light ☐
- p. Color coded and function coded wiring ☐
- q. Alternator sized according to amp draw report ☐
- r. Minimum four (4) 750 CCA batteries ☐
- s. Load manager with automatic high idle function ☐
- t. Dual air horns with dual in-cab controls ☐

5. AERIAL APPARATUS – ALUMINUM OR STEEL

- a. Aerial shall meet or exceed all sections of NFPA 1901 Chapter 19 ☐
- b. Ladder material: aluminum or steel ☐
- c. Mid-mounted configuration ☐
- d. 5-section aerial with minimum elevation of 100' per NFPA requirements ☐
- e. Rated horizontal reach per NFPA requirements ☐
- f. Rungs shall meet all aspects of NFPA 1901 19.2.5 ☐
- g. Rungs equipped with a slip resistant surface meeting NFPA 1901 19.2.5 ☐
- h. Rungs spacing meeting NFPA 1901 19.2.5 ☐
- i. Turntable with pedestal mounted controls meeting NFPA 1901 19.4 ☐
- j. Aerial rated load capacity not flowing water: 500 lbs. minimum in addition to equipment mounted at tip of ladder ☐
- k. Aerial rated load capacity while flowing 1000 gpm: 500 lbs. minimum in addition to equipment mounted at tip of ladder ☐
- l. Rated load capacities shall meet and /or exceed NFPA 1901 19.3 ☐
- m. The aerial shall be rated in multiple configurations per Chapter 19.3.4 ☐
- n. Extend/retract, rotate and hydraulic or electric over hydraulic controls meeting NFPA 1901 19.5 through 19.5.3.6. ☐
- o. Hydraulic pressure gauge at turntable controls ☐
- p. Illuminated Angle of Elevation Indicator meeting NFPA 1901 19.4.1 ☐
- q. Flowmeter on turntable control pedestal meeting NFPA 1901 19.6.8 ☐
- r. All aerial control devices shall meet NFPA 1901 19.17 ☐
- s. Fall protection provisions shall be provided. ☐
- t. Bidders to state type of stabilizers and overall stabilizers spread ☐
- u. Aerial shall meet structural safety factors in accordance with NFPA 1901 19.20 ☐
- v. Aerial shall meet NFPA 1901 stability safety factors Chapter 19.21 ☐
- w. Lighted turntable area ☐
- x. The aerial manufacturer (the company that manufactures the entire aerial device) shall maintain a Quality Control Program in accordance with NFPA 1901 Chapter 19.22 ☐
- y. Special attention shall be paid to meeting all safety requirements per NFPA 1901 19.20 ☐
- z. Aerial shall be fully tested and certified by third party certified testing company per NFPA 1901 19.24 and 19.25 ☐
- aa. 2-way intercom system between ladder tip and turntable control pedestal. ☐
- bb. Minimum 1000 gpm waterway system meeting NFPA 1901 with remote ☐

**Manufacturer's
Base Vehicle
Standard
Equipment**

control nozzle (controls at fly section and at turntable control pedestal) with movable manual pinned waterway or remote control movable waterway.

- cc. Minimum 4" waterway discharge with 4" valve with handwheel or electric control on pump panel ☐
- dd. Minimum 4" waterway inlet (non-gated) on rear or on side of body per NFPA 1901 Chapter 19.6.6 ☐
- ee. Waterway relief valve and minimum 1.5" drain ☐
- ff. Stabilizer controls and stabilizer to aerial controls mounted on rear of apparatus body ☐
- gg. One (1) high intensity spotlights on ladder tip ☐
- hh. Two high intensity flood lights on ladder base ☐
- ii. Painted finish on steel aerial-bidder shall provide copy of paint warranty on aerial ☐
- jj. Instruction plates and signs must be installed per NFPA 1901 Chapter 19.23 ☐

6. FIRE PUMP & PLUMBING

- a. Minimum 1500 GPM pump as rated per NFPA 1901 Chapter 16 ☐
- b. Air operated pump shift ☐
- c. Discharge pressure relief valve ☐
- d. Intake pressure relief valve ☐
- e. Master drain valve ☐
- f. Electric dry type primer ☐
- g. Pump panel lights, 3 each side ☐
- h. Pump compartment light ☐
- i. OK to pump lights in cab and at pump pane ☐
- j. Engine cooler ☐
- k. Pump cooler ☐
- l. Two (2) 6" steamers, one on side panel ☐
- m. 2.5" left side gated suction ☐
- n. 1.5" tank fill ☐
- o. Two (2) 2" crosslay hose beds over the pump compartment ☐
- p. Two (2) 2-1/2" left side discharges ☐
- q. Two (2) 2-1/2" right side discharges ☐
- r. Stainless steel schedule 40 piping with 10 year warranty ☐
- s. Panel gauge package: water tank level, tach, oil pressure, water temperature, voltmeter, light and alarm system ☐
- t. Minimum 300 gallon polypropylene booster tank with lifetime warranty ☐
- u. 3" tank to pump connection ☐
- v. Minimum 10" x 8" fill tower with minimum 4" overflow tube ☐
- w. 15 ft. of soft suction hose sized for capacity of fire pump ☐

7. APPARATUS BODY

- a. Bidders to bid on each of their offered construction types: ☐

**Manufacturer's
Base Vehicle
Standard
Equipment**

- Extruded aluminum
- Formed aluminum
- Formed galvanized steel
- Formed stainless steel
- b. Bidders to state thicknesses, alloys and construction methods of all materials used in body construction ☐
- c. High left side compartments ☐
- d. High right side compartments ☐
- e. Bidders to accurately state the total cubic footage of compartment space, along with each compartment size ☐
- f. Lights in compartments to meet NFPA 1901 Chapter 13.10.5 ☐
- g. Hose bed lighting must be provided per NFPA Chapter 1901 13.10.2 ☐
- h. Back up alarm ☐
- i. Rear ladder storage for minimum 115' NFPA ground ladders fully enclosed at rear of apparatus, ladders to be included ☐
- j. Rear pike pole storage for minimum of six (6) pike poles fully enclosed at rear of apparatus ☐
- k. Slide out pump operator platform ☐
- l. Hose bed with hose restraints to be NFPA quint compliant ☐
- m. Steps and handrails for climbing from ground to turntable – bidders to state exact design ☐
- n. Lights at each step ☐
- o. Stop/turn/back up lights ☐
- p. DOT clearance and marker lights ☐
- q. License plate light ☐
- r. Rear deck lights ☐
- s. Rub rail along each side of body ☐
- t. Running boards at each pump panel ☐
- u. Brushed stainless steel or black non-glare aluminum pump panels ☐

8. EMERGENCY WARNING

- a. NFPA Zone A lower and upper level lighting ☐
- b. NFPA Zone B / D lower level lighting ☐
- c. NFPA Zone C upper and lower level lighting ☐
- d. Electronic 200 watt siren/PA with minimum 100 watt speaker recessed in bumper ☐
- e. All emergency lights, stop/turn/back-up lights, DOT clearance, pump panel, compartment, step, license plate, perimeter scene, and interior dome lights to be LED ☐

9. PAINT FINISH/REFLECTIVE STRIPING

- a. Cab and body to be painted single tone with 10 year pro-rated paint and corrosion perforation warranty ☐
- b. Reflective striping in accordance with Chapter 15.9.3 ☐
- c. Reflective chevron on rear of apparatus in accordance with Chapter 15.9.3.2. ☐

**Manufacturer's
Base Vehicle
Standard
Equipment**

10. WARRANTY

- | | | |
|----|--|--------------------------|
| a. | 1 year bumper to bumper mechanical, excluding normal wear and tear items | <input type="checkbox"/> |
| b. | 10 year cab and body structural | <input type="checkbox"/> |
| c. | 10 year paint pro-rated | <input type="checkbox"/> |
| d. | 10 year corrosion perforation on cab and body | <input type="checkbox"/> |
| e. | 20 year aerial structural | <input type="checkbox"/> |
| f. | Lifetime frame warranty | <input type="checkbox"/> |
| g. | 2 year front axle | <input type="checkbox"/> |
| h. | 2 year rear axle | <input type="checkbox"/> |
| j. | 5 year fire pump | <input type="checkbox"/> |
| k. | Lifetime booster tank | <input type="checkbox"/> |
| l. | Manufacturer's standard 5 year warranty for transmission | <input type="checkbox"/> |

FLORIDA SHERIFFS ASSOCIATION, FLORIDA FIRE CHIEFS' ASSOCIATION, & FLORIDA ASSOCIATION OF COUNTIES

SPECIFICATION #11 – 100' REAR MOUNTED AERIAL APPARATUS

ALL ITEMS FACTORY INSTALLED UNLESS OTHERWISE INDICATED

INSTRUCTIONS: In the first column labeled "Manufacturer's Base Vehicle Standard Equipment", check the applicable areas where the manufacturer's base vehicle standard equipment meets the minimum specifications of the base vehicle bid.

Minimum Requirements: In all areas of this specification bidders must comply with the current publication of NFPA 1901 (2009 edition) and all chapters that are appropriate for a quint apparatus with a special emphasis on Chapters 1, 2, 3, 4, 8, 12, 13, 14, 15, 16, 18, 19, FMVSS (applicable areas) and NHTSA standards. When requested, bidders must submit complete detailed specifications for the apparatus being offered, as well as all options, to the end user.

All bidders are to bid under the current NFPA 1901 standards, and all addendums that are currently in effect at the time of bidding.

The bidder is to understand that the Florida Sheriffs Association does not guarantee any quantity of vehicles will be ordered off this contract. The bidder will further understand that this program operates under a split bid award system which allows the end user authority to purchase from any of the responsive bidders authorized and awarded to do business off this contract. **The end user authority will contract directly and individually with the awarded bidder of their choice for any and all vehicles offered on this contract and any other features, options and equipment items required to meet their individual needs. Customers shall choose from options furnished to them by the manufacturer.**

Delivery of the vehicles shall be accomplished by factory or dealer drive away programs. However, the right is reserved for the individual end users to pick up the vehicles at either the factory or the dealership.

Prospective bidder(s) are advised that the following documentation is to be included and made a part of the bid submission. The Bid Coordinator reserves the right to disqualify any bidder(s) who are in non-compliance with this provision.

Bid Bond: A five percent (5%) Bid Bond issued by a bonding company licensed to conduct business in the state of Florida is required for base vehicle price and shall be provided as part of the bid package, bond must cover the highest priced submittal. Bid bond will be made out to the Florida Sheriffs Association as coordinator of this bid unless otherwise indicated or approved by FSA's Bid Coordinator.

Performance Bond: The contractor is required to notify the customer of the availability of a one hundred percent performance bond at an additional cost to the customer. The company submitting the performance bond must have a minimum A rating as determined by A.M. Best Company. The cost of the performance bond will be based on the final price of the contract and must be provided to the customer in writing.

Note: A letter from a bonding company licensed to do business in Florida must be submitted with the bid stating that the manufacturer will provide a 100% Performance Bond between the bidder and the end user authority upon award of this bid.

The manufacturer of this vehicle:

- Shall carry not less than fifteen million dollars (\$15,000,000.00) in product liability insurance, listing the Florida Sheriffs Association as additional insured, and shall submit a copy of this insurance with the bid proposal.
- Shall possess a Florida Motor Vehicle Department license as a Manufacturer of Motor Vehicles and shall provide a copy of the license with the bid proposal.
- Shall be or have a Florida Dealer Representative who shall possess a Florida Motor Vehicle Dealers license and shall provide a copy of the license with the bid proposal.
- Shall employ full-time parts personnel with toll-free access number.
- Shall employ a full-time electrical troubleshooter with toll-free access number.
- Shall employ a full-time warranty representative with toll-free access number.
- Bidder shall submit how warranty service claims will be handled in the State of Florida.

**Manufacturer's
Base Vehicle
Standard
Equipment**

1. DOCUMENTATION, DELIVERY, TRAINING

- | | |
|---|--------------------------|
| a. When requested by end user, bidders to accurately state wheelbase, cab to axle, overall length, bumper swing turn radius, curb-to-curb turning radius, overall height, overall width, GVWR, angle of approach, angle of departure and SCAAN certification for drivetrain compatibility in submitted specifications | <input type="checkbox"/> |
| b. Approval drawings provided prior to construction commencement | <input type="checkbox"/> |
| c. Two (2) sets of operator and service manuals | <input type="checkbox"/> |
| d. Delivery to be F.O.B. customer's location | <input type="checkbox"/> |
| e. Three (3) days of training by employee of manufacturer | <input type="checkbox"/> |
| f. Pump test certification by independent third party | <input type="checkbox"/> |
| g. Water tank capacity certification | <input type="checkbox"/> |
| h. Aerial non-destructive, performance and stability testing by independent third party | <input type="checkbox"/> |
| i. 12 volt and, if applicable, 110 volt testing by independent third party | <input type="checkbox"/> |
| j. Vehicle weight, as measured by certified scales | <input type="checkbox"/> |

2. CHASSIS

- | | |
|---|--------------------------|
| a. 110,000 psi steel frame rail with full length inner 110,000 psi C-channel liner or integral torque box frame | <input type="checkbox"/> |
| b. 10 gauge polished stainless steel 16" to 24" extended front bumper with aluminum diamond plate gravel shield | <input type="checkbox"/> |
| c. Tow hooks or eyes front and rear attached to the frame | <input type="checkbox"/> |
| d. 20,000 pound minimum front axle, suspension, tubeless radial tires, steel disc wheels | <input type="checkbox"/> |
| e. 48,000 pound minimum rear axle, suspension, tubeless radial tires, steel disc wheels | <input type="checkbox"/> |

**Manufacturer's
Base Vehicle
Standard
Equipment**

- f. Front and rear mud flaps ☐
- g. NFPA 1901 Chapter 4.15.3 top speed rating requirement ☐
- h. S-cam air brakes or equivalent, as large as possible, with automatic slack adjusters ☐
- i. Manufacturer's standard compressor ☐
- j. Minimum 5000 cubic inch air reservoir capacity ☐
- k. Air dryer, color coded air lines, turn drain valves on reservoirs ☐
- l. ABS brakes ☐
- m. Power steering with tilt/telescopic wheel ☐
- n. Vehicle data recorder (VDR) in compliance with Chapter 4.11 with required software meeting 4.11.8 ☐
- o. Electronic Stability Control shall be provided in compliance with NFPA 1901 Chapter 4.13.1.2 if the manufacturer cannot comply with Chapters 4.13.1.1 through 4.13.1.1.3.2. ☐
- p. Tire pressure monitoring system with Chapter 4.13.4 ☐
- q. Aluminum Wheels ☐

3. POWERTRAIN

- a. Minimum 450 horsepower turbocharged diesel engine with 1450 ft. lb. torque rating ☐
- b. Engine exhaust at front of right rear wheels ☐
- c. Secondary braking to meet NFPA ☐
- d. Engine manufacturer's statement of engine installation approval with approved cooling system ☐
- e. Drivelines to meet engine torque rating ☐
- f. Silicone coolant hoses with constant torque clamps ☐
- g. EVS 4000 automatic transmission ☐
- h. 50 gallon minimum fuel tank ☐
- i. OEM oil, fuel, transmission filters ☐

4. CAB

- a. Medium length tilt aluminum cab meeting NFPA 1901 Chapter 14.3.2 ☐
- b. Seating for four, three in SCBA seats with SCBA brackets ☐
- c. Air ride driver seat, all others fixed position ☐
- d. All persons in 3-point seat belts per Chapter 14, seats equipped with seat belt/occupant detection/warning system per Chapter 14 ☐
- e. Electric over hydraulic cab tilt with manual back-up ☐
- f. Single tone cab paint finish with 10 year paint warranty pro-rated ☐
- g. Air conditioning and heating ☐
- h. Remote controlled mirrors (from driver's position) with separate flat and convex sections ☐
- i. DOT compliant headlights ☐
- j. Forward facing turn and warning lights ☐
- k. Cornering turn and warning lights ☐
- l. Minimum four (4) dome lights with red and clear bulbs ☐
- m. Minimum four (4) under cab step lights ☐

**Manufacturer's
Base Vehicle
Standard
Equipment**

- n. Cab and compartment door ajar light and buzzer ☐
- o. One (1) engine compartment light ☐
- p. Color coded and function coded wiring ☐
- q. Alternator sized according to amp draw report ☐
- r. Minimum four (4) 750 CCA batteries ☐
- s. Load manager with automatic high idle function ☐
- t. Dual air horns with dual in-cab controls ☐

5. AERIAL APPARATUS – ALUMINUM OR STEEL

- a. Aerial shall meet or exceed all sections of NFPA 1901 Chapter 19 ☐
- b. Ladder material: aluminum or steel ☐
- c. Rear-mounted configuration ☐
- d. 4-section aerial with minimum elevation of 100' per NFPA requirements ☐
- e. Rated horizontal reach per NFPA requirements ☐
- f. Rungs shall meet all aspects of NFPA 1901 19.2.5 ☐
- g. Rungs equipped with a slip resistant surface meeting NFPA 1901 19.2.5 ☐
- h. Rungs spacing meeting NFPA 1901 19.2.5 ☐
- i. Turntable with pedestal mounted controls meeting NFPA 1901 19.4 ☐
- j. Aerial rated load capacity not flowing water: 500 lbs. minimum in addition to equipment mounted at tip of ladder ☐
- k. Aerial rated load capacity while flowing 1000 gpm: 500 lbs. minimum in addition to equipment mounted at tip of ladder ☐
- l. Rated load capacities shall meet and /or exceed NFPA 1901 19.3 ☐
- m. The aerial shall be rated in multiple configurations per Chapter 19.3.4 ☐
- n. Extend/retract, rotate and hydraulic or electric over hydraulic controls meeting NFPA 1901 19.5 through 19.5.3.6. ☐
- o. Hydraulic pressure gauge at turntable controls ☐
- p. Illuminated Angle of Elevation Indicator meeting NFPA 1901 19.4.1 ☐
- q. Flowmeter on turntable control pedestal meeting NFPA 1901 19.6.8 ☐
- r. All aerial control devices shall meet NFPA 1901 19.17 ☐
- s. Fall protection provisions shall be provided. ☐
- t. Bidders to state type of stabilizers and overall stabilizers spread ☐
- u. Aerial shall meet structural safety factors in accordance with NFPA 1901 19.20 ☐
- v. Aerial shall meet NFPA 1901 stability safety factors Chapter 19.21 ☐
- w. Lighted turntable area ☐
- x. The aerial manufacturer (the company that manufactures the entire aerial device) shall maintain a Quality Control Program in accordance with NFPA 1901 Chapter 19.22 ☐
- y. Special attention shall be paid to meeting all safety requirements per NFPA 1901 19.20 ☐
- z. Aerial shall be fully tested and certified by third party certified testing company per NFPA 1901 19.24 and 19.25 ☐
- aa. 2-way intercom system between ladder tip and turntable control pedestal. ☐
- bb. Minimum 1000 gpm waterway system meeting NFPA 1901 with remote ☐

**Manufacturer's
Base Vehicle
Standard
Equipment**

control nozzle (controls at fly section and at turntable control pedestal) with movable manual pinned waterway or remote control movable waterway.

- cc. Minimum 4" rear waterway inlet with pressure gauge and long handled chrome cap ☐
- dd. Minimum 4" waterway discharge with 4" valve with handwheel or electric control on pump panel ☐
- ee. Waterway relief valve and minimum 1.5" drain at rear of apparatus ☐
- ff. Stabilizer controls and stabilizer to aerial controls mounted on rear of apparatus body ☐
- gg. One (1) high intensity spotlights on ladder tip ☐
- hh. Two high intensity flood lights on ladder base ☐
- ii. Painted finish on steel aerial-bidder shall provide copy of paint warranty on aerial ☐
- jj. Instruction plates and signs must be installed per NFPA 1901 Chapter 19.23 ☐

6. FIRE PUMP & PLUMBING

- a. Minimum 1500 GPM pump as rated per NFPA 1901 Chapter 16 ☐
- b. Air operated pump shift ☐
- c. Discharge pressure relief valve ☐
- d. Intake pressure relief valve ☐
- e. Master drain valve ☐
- f. Electric dry type primer ☐
- g. Pump panel lights, 3 each side ☐
- h. Pump compartment light ☐
- i. OK to pump lights in cab and at pump pane ☐
- j. Engine cooler ☐
- k. Pump cooler ☐
- l. Two (2) 6" steamers, one on side panel ☐
- m. 2.5" left side gated suction ☐
- n. 1.5" tank fill ☐
- o. Two (2) 2" crosslay hose beds over the pump compartment ☐
- p. Two (2) 2-1/2" left side discharges ☐
- q. Two (2) 2-1/2" right side discharges ☐
- r. Stainless steel schedule 40 piping with 10 year warranty ☐
- s. Panel gauge package: water tank level, tach, oil pressure, water temperature, voltmeter, light and alarm system ☐
- t. Minimum 300 gallon polypropylene booster tank with lifetime warranty ☐
- u. 3" tank to pump connection ☐
- v. Minimum 10" x 8" fill tower with minimum 4" overflow tube ☐
- w. 15 ft. of soft suction hose sized for capacity of fire pump ☐

7. APPARATUS BODY

- a. Bidders to bid on each of their offered construction types: ☐

**Manufacturer's
Base Vehicle
Standard
Equipment**

- Extruded aluminum
- Formed aluminum
- Formed galvalume steel
- Formed stainless steel
- b. Bidders to state thicknesses, alloys and construction methods of all materials used in body construction ☐
- c. High left side compartments or high right side compartments or lower rear compartments or hose bed ☐
- d. Bidders to accurately state the total cubic footage of compartment space, along with each compartment size ☐
- e. Lights in compartments to meet NFPA 1901 Chapter 13.10.5 ☐
- f. Hose bed lighting must be provided per NFPA Chapter 1901 13.10.2 ☐
- g. Back up alarm ☐
- h. Rear ladder storage for minimum 115' NFPA ground ladders fully enclosed at rear of apparatus, ladders to be included ☐
- i. Rear pike pole storage for minimum of six (6) pike poles fully enclosed at rear of apparatus ☐
- j. Slide out pump operator platform ☐
- k. Hose bed with hose restraints to be NFPA quint compliant ☐
- l. Steps and handrails for climbing from ground to turntable – bidders to state exact design ☐
- m. Lights at each step ☐
- n. Rear/stop/turn/back up lights ☐
- o. DOT clearance and marker lights ☐
- p. License plate light ☐
- q. Rear deck lights ☐
- r. Rub rail along each side of body ☐
- s. Running boards at each pump panel ☐
- t. Brushed stainless steel or black non-glare aluminum pump panels ☐

8. EMERGENCY WARNING

- a. NFPA Zone A lower and upper level lighting ☐
- b. NFPA Zone B / D lower level lighting ☐
- c. NFPA Zone C upper and lower level lighting ☐
- d. Electronic 200 watt siren/PA with minimum 100 watt speaker recessed in bumper ☐
- e. All emergency lights, stop/turn/back-up lights, DOT clearance, pump panel, compartment, step, license plate, perimeter scene, and interior dome lights to be LED ☐

9. PAINT FINISH/REFLECTIVE STRIPING

- a. Cab and body to be painted single tone with 10 year pro-rated paint and corrosion perforation warranty ☐
- b. Reflective striping in accordance with Chapter 15.9.3 ☐
- c. Reflective chevron on rear of apparatus in accordance with Chapter 15.9.3.2. ☐

**Manufacturer's
Base Vehicle
Standard
Equipment**

10. WARRANTY

- | | | |
|----|--|--------------------------|
| a. | 1 year bumper to bumper mechanical, excluding normal wear and tear items | <input type="checkbox"/> |
| b. | 10 year cab and body structural | <input type="checkbox"/> |
| c. | 10 year paint pro-rated | <input type="checkbox"/> |
| d. | 10 year corrosion perforation on cab and body | <input type="checkbox"/> |
| e. | 20 year aerial structural | <input type="checkbox"/> |
| f. | Lifetime frame warranty | <input type="checkbox"/> |
| g. | 2 year front axle | <input type="checkbox"/> |
| h. | 2 year rear axle | <input type="checkbox"/> |
| j. | 5 year fire pump | <input type="checkbox"/> |
| k. | Lifetime booster tank | <input type="checkbox"/> |
| l. | Manufacturer's standard 5 year warranty for transmission | <input type="checkbox"/> |

FLORIDA SHERIFFS ASSOCIATION, FLORIDA FIRE CHIEFS' ASSOCIATION, & FLORIDA ASSOCIATION OF COUNTIES

SPECIFICATION #12 – MID MOUNTED AERIAL PLATFORM

ALL ITEMS FACTORY INSTALLED UNLESS OTHERWISE INDICATED

INSTRUCTIONS: In the first column labeled “Manufacturer’s Base Vehicle Standard Equipment”, check the applicable areas where the manufacturer’s base vehicle standard equipment meets the minimum specifications of the base vehicle bid.

Minimum Requirements: In all areas of this specification bidders must comply with the current publication of NFPA 1901 (2009 edition) and all chapters that are appropriate for a quint apparatus with a special emphasis on Chapters 1, 2, 3, 4, 8, 12, 13, 14, 15, 16, 18, 19, FMVSS (applicable areas) and NHTSA standards. When requested, bidders must submit complete detailed specifications for the apparatus being offered, as well as all options, to the end user.

All bidders are to bid under the current NFPA 1901 standards, and all addendums that are currently in effect at the time of bidding.

The bidder is to understand that the Florida Sheriffs Association does not guarantee any quantity of vehicles will be ordered off this contract. The bidder will further understand that this program operates under a split bid award system which allows the end user authority to purchase from any of the responsive bidders authorized and awarded to do business off this contract. **The end user authority will contract directly and individually with the awarded bidder of their choice for any and all vehicles offered on this contract and any other features, options and equipment items required to meet their individual needs. Customers shall choose from options furnished to them by the manufacturer.**

Delivery of the vehicles shall be accomplished by factory or dealer drive away programs. However, the right is reserved for the individual end users to pick up the vehicles at either the factory or the dealership.

Prospective bidder(s) are advised that the following documentation is to be included and made a part of the bid submission. The Bid Coordinator reserves the right to disqualify any bidder(s) who are in non-compliance with this provision.

Bid Bond: A five percent (5%) Bid Bond issued by a bonding company licensed to conduct business in the state of Florida is required for base vehicle price and shall be provided as part of the bid package, bond must cover the highest priced submittal. Bid bond will be made out to the Florida Sheriffs Association as coordinator of this bid unless otherwise indicated or approved by FSA’s Bid Coordinator.

Performance Bond: The contractor is required to notify the customer of the availability of a one hundred percent performance bond at an additional cost to the customer. The company submitting the performance bond must have a minimum A rating as determined by A.M. Best Company. The cost of the performance bond will be based on the final price of the contract and must be provided to the customer in writing.

Note: A letter from a bonding company licensed to do business in Florida must be submitted with the bid stating that the manufacturer will provide a 100% Performance Bond between the bidder and the end user authority upon award of this bid.

The manufacturer of this vehicle:

- Shall carry not less than fifteen million dollars (\$15,000,000.00) in product liability insurance, listing the Florida Sheriffs Association as additional insured, and shall submit a copy of this insurance with the bid proposal.
- Shall possess a Florida Motor Vehicle Department license as a Manufacturer of Motor Vehicles and shall provide a copy of the license with the bid proposal.
- Shall be or have a Florida Dealer Representative who shall possess a Florida Motor Vehicle Dealers license and shall provide a copy of the license with the bid proposal.
- Shall employ full-time parts personnel with toll-free access number.
- Shall employ a full-time electrical troubleshooter with toll-free access number.
- Shall employ a full-time warranty representative with toll-free access number.
- Bidder shall submit how warranty service claims will be handled in the State of Florida.

**Manufacturer's
Base Vehicle
Standard
Equipment**

1. DOCUMENTATION, DELIVERY, TRAINING

- | | | |
|----|--|--------------------------|
| a. | When requested by end user, bidders to accurately state wheelbase, cab to axle, overall length, bumper swing turn radius, curb-to-curb turning radius, overall height, overall width, GVWR, angle of approach, angle of departure and SCAAN certification for drivetrain compatibility in submitted specifications | <input type="checkbox"/> |
| b. | Approval drawings provided prior to construction commencement | <input type="checkbox"/> |
| c. | Two (2) sets of operator and service manuals | <input type="checkbox"/> |
| d. | Delivery to be F.O.B. customer's location | <input type="checkbox"/> |
| e. | Three (3) days of training by employee of manufacturer | <input type="checkbox"/> |
| f. | Pump test certification by independent third party | <input type="checkbox"/> |
| g. | Water tank capacity certification by independent third party | <input type="checkbox"/> |
| h. | Aerial non-destructive, waterway flow test, performance and stability testing by independent third party | <input type="checkbox"/> |
| i. | 12 volt and, if applicable, 110 volt testing by independent third party | <input type="checkbox"/> |
| j. | Vehicle weight, as measured by certified scales | <input type="checkbox"/> |

2. CHASSIS

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|----|--|--------------------------|
| a. | 110,000 psi steel frame rail with full length inner 110,000 psi C-channel liner or integral torque box frame | <input type="checkbox"/> |
| b. | 10 gauge polished stainless steel 16" to 24" extended front bumper with aluminum diamond plate gravel shield | <input type="checkbox"/> |
| c. | Tow hooks or eyes front and rear attached to the frame | <input type="checkbox"/> |
| d. | 22,500 pound minimum front axle, suspension, tubeless radial tires, steel disc wheels | <input type="checkbox"/> |
| e. | 52,000 pound minimum rear axle, suspension, tubeless radial tires, steel disc wheels | <input type="checkbox"/> |

**Manufacturer's
Base Vehicle
Standard
Equipment**

- f. Front and rear mud flaps ☐
- g. NFPA 1901 Chapter 4.15.3 top speed rating requirement ☐
- h. S-cam air brakes or equivalent, as large as possible, with automatic slack adjusters ☐
- i. Manufacturer's standard compressor ☐
- j. Minimum 5000 cubic inch air reservoir capacity ☐
- k. Air dryer, color coded air lines, turn drain valves on reservoirs ☐
- l. ABS brakes ☐
- m. Power steering with tilt/telescopic wheel ☐
- n. Vehicle data recorder (VDR) in compliance with Chapter 4.11 with required software meeting 4.11.8 ☐
- o. Electronic Stability Control shall be provided in compliance with NFPA 1901 Chapter 4.13.1.2 if the manufacturer cannot comply with Chapters 4.13.1.1 through 4.13.1.1.3.2. ☐
- p. Tire pressure monitoring system with Chapter 4.13.4 ☐
- q. Aluminum Wheels ☐

3. POWERTRAIN

- a. Minimum 450 horsepower turbocharged diesel engine with 1450 ft. lb. torque rating ☐
- b. Engine exhaust at front of right rear wheels ☐
- c. Secondary braking to meet NFPA ☐
- d. Engine manufacturer's statement of engine installation approval with approved cooling system ☐
- e. Drivelines to meet engine torque rating ☐
- f. Silicone coolant hoses with constant torque clamps ☐
- g. EVS 4000 automatic transmission ☐
- h. 50 gallon minimum fuel tank ☐
- i. OEM oil, fuel, transmission filters ☐

4. CAB

- a. Medium length tilt aluminum cab meeting NFPA 1901 Chapter 14.3.2 ☐
- b. Seating for four, three in SCBA seats with SCBA brackets ☐
- c. Air ride driver seat, all others fixed position ☐
- d. All persons in 3-point seat belts per Chapter 14, seats equipped with seat belt/occupant detection/warning system per Chapter 14 ☐
- e. Electric over hydraulic cab tilt with manual back-up ☐
- f. Single tone cab paint finish with 10 year paint warranty pro-rated ☐
- g. Air conditioning and heating ☐
- h. Remote controlled mirrors (from driver's position) with separate flat and convex sections ☐
- i. DOT compliant headlights ☐
- j. Forward facing turn and warning lights ☐
- k. Cornering turn and warning lights ☐
- l. Minimum four (4) dome lights with red and clear bulbs ☐
- m. Minimum four (4) under cab step lights ☐

**Manufacturer's
Base Vehicle
Standard
Equipment**

- n. Cab and compartment door ajar light and buzzer ☐
- o. One (1) engine compartment light ☐
- p. Color coded and function coded wiring ☐
- q. Alternator sized according to amp draw report ☐
- r. Minimum four (4) 750 CCA batteries ☐
- s. Load manager with automatic high idle function ☐
- t. Dual air horns with dual in-cab controls ☐

5. AERIAL APPARATUS – ALUMINUM OR STEEL

- n. Aerial shall meet or exceed all sections of NFPA 1901 Chapter 19 ☐
- o. Ladder material: aluminum or steel ☐
- p. Mid-mounted configuration ☐
- q. 4-section or 5-section aerial with minimum elevation of 95' per NFPA requirements ☐
- r. Rated horizontal reach per NFPA requirements ☐
- s. Rungs shall meet all aspects of NFPA 1901 19.2.5 ☐
- t. Rungs equipped with a slip resistant surface meeting NFPA 1901 19.2.5 ☐
- u. Rungs spacing meeting NFPA 1901 19.2.5 ☐
- v. Turntable with pedestal mounted controls meeting NFPA 1901 19.4 ☐
- w. Platform rated load capacity not flowing water: 1000 lbs. plus equipment ☐
- x. Platform rated load capacity while flowing 1000 gpm: 500 lbs. in addition to permanently affixed equipment ☐
- y. Rated load capacities shall meet and /or exceed NFPA 1901 19.3 ☐
- z. The aerial shall be rated in multiple configurations per Chapter 19.3.4 ☐
- aa. Extend/retract, rotate and hydraulic or electric over hydraulic controls meeting NFPA 1901 19.5 through 19.5.3.6. ☐
- bb. Hydraulic pressure gauge at turntable controls ☐
- cc. Illuminated Angle of Elevation Indicator meeting NFPA 1901 19.4.1 ☐
- dd. Flowmeter on turntable control pedestal meeting NFPA 1901 19.6.8 ☐
- ee. All aerial control devices shall meet NFPA 1901 19.17 ☐
- ff. Fall protection provisions shall be provided. ☐
- gg. Bidders to state type of stabilizers and overall stabilizers spread ☐
- hh. Aerial shall meet structural safety factors in accordance with NFPA 1901 19.20 ☐
- ii. Aerial shall meet NFPA 1901 stability safety factors Chapter 19.21 ☐
- jj. Lighted turntable area ☐
- kk. The aerial manufacturer (the company that manufactures the entire aerial device) shall maintain a Quality Control Program in accordance with NFPA 1901 Chapter 19.22 ☐
- ll. Special attention shall be paid to meeting all safety requirements per NFPA 1901 19.20 ☐
- mm. Aerial shall be fully tested and certified by third party certified testing company per NFPA 1901 19.24 and 19.25 ☐
- aa. 2-way intercom system between ladder tip and turntable control pedestal. ☐

**Manufacturer's
Base Vehicle
Standard
Equipment**

- bb. Minimum 1000 gpm waterway system meeting NFPA 1901 with remote control nozzle (controls in platform and at turntable control pedestal). ☐
- cc. Minimum 4" rear or side waterway inlet with pressure gauge and long handled chrome cap ☐
- dd. Minimum 4" waterway discharge with 4" valve with handwheel or electric control on pump panel ☐
- ee. Waterway relief valve and minimum 1.5" drain ☐
- ff. Stabilizer controls and stabilizer to aerial controls mounted on center or rear of apparatus body ☐
- gg. One (1) high intensity spotlights on ladder tip ☐
- hh. Two high intensity flood lights on ladder base ☐
- ii. Painted finish on steel aerial-bidder shall provide copy of paint warranty on aerial ☐
- jj. Instruction plates and signs must be installed per NFPA 1901 Chapter 19.23 ☐
- kk. Platform construction and design must meet NFPA 1901 Chapter 19.7.6 ☐
- ll. Platform operating positions must meet NFPA 1901 Chapter 19.9 ☐

6. FIRE PUMP & PLUMBING

- a. Minimum 1500 GPM pump as rated per NFPA 1901 Chapter 16 ☐
- b. Air operated pump shift ☐
- c. Discharge pressure relief valve ☐
- d. Intake pressure relief valve ☐
- e. Master drain valve ☐
- f. Electric dry type primer ☐
- g. Pump panel lights, 3 each side ☐
- h. Pump compartment light ☐
- i. OK to pump lights in cab and at pump panel ☐
- j. Engine cooler ☐
- k. Pump cooler ☐
- l. Two (2) 6" steamers, one on side panel ☐
- m. 2.5" left side gated suction ☐
- n. 1.5" tank fill ☐
- o. Two (2) 2" crosslay hose beds over the pump compartment ☐
- p. Two (2) 2-1/2" left side discharges ☐
- q. Two (2) 2-1/2" right side discharges ☐
- r. Stainless steel schedule 40 piping with 10 year warranty ☐
- s. Panel gauge package: water tank level, tach, oil pressure, water temperature, voltmeter, light and alarm system ☐
- t. Minimum 300 gallon polypropylene booster tank with lifetime warranty ☐
- v. 3" tank to pump connection ☐
- v. Minimum 10" x 8" fill tower with minimum 4" overflow tube ☐
- w. 15 ft. of soft suction hose sized for capacity of fire pump ☐

**Manufacturer's
Base Vehicle
Standard
Equipment**

7. APPARATUS BODY

- a. Bidders to bid on each of their offered construction types: ☐
 - Extruded aluminum
 - Formed aluminum
 - Formed galvalume steel
 - Formed stainless steel
- b. Bidders to state thicknesses, alloys and construction methods of all materials used in body construction ☐
- c. Maximum number of left side compartments available ☐
- d. Maximum number of right side compartments available ☐
- e. Bidders to accurately state the total cubic footage of compartment space, along with each compartment size ☐
- f. Lights in compartments to meet NFPA 1901 Chapter 13.10.5 ☐
- g. Hose bed lighting must be provided per NFPA Chapter 1901 13.10.2 ☐
- h. Back up alarm ☐
- i. Rear ladder storage for minimum 115' NFPA ground ladders fully enclosed at rear of apparatus, ladders to be included ☐
- j. Rear pike pole storage for minimum of six (6) pike poles fully enclosed at rear of apparatus ☐
- k. Slide out pump operator platform ☐
- l. Hose bed with hose restraints to be NFPA quint compliant ☐
- m. Steps and handrails for climbing from ground to turntable – bidders to state exact design ☐
- n. Lights at each step ☐
- o. Stop/turn/back up lights ☐
- p. DOT clearance and marker lights ☐
- q. License plate light ☐
- r. Rear deck lights ☐
- s. Rub rail along each side of body ☐
- t. Running boards at each pump panel ☐
- u. Brushed stainless steel or black non-glare aluminum pump panels ☐

8. EMERGENCY WARNING

- a. NFPA Zone A lower and upper level lighting ☐
- b. NFPA Zone B / D lower level lighting ☐
- c. NFPA Zone C upper and lower level lighting ☐
- d. Electronic 200 watt siren/PA with minimum 100 watt speaker recessed in bumper ☐
- e. All emergency lights, stop/turn/back-up lights, DOT clearance, pump panel, compartment, step, license plate, perimeter scene, and interior dome lights to be LED ☐

9. PAINT FINISH/REFLECTIVE STRIPING

- a. Cab and body to be painted single tone with 10 year pro-rated paint and corrosion perforation warranty ☐
- b. Reflective striping in accordance with Chapter 15.9.3 ☐

**Manufacturer's
Base Vehicle
Standard
Equipment**

- c. Reflective chevron on rear of apparatus in accordance with Chapter 15.9.3.2.

☐

10. **WARRANTY**

- a. 1 year bumper to bumper mechanical, excluding normal wear and tear items
b. 10 year cab and body structural
c. 10 year paint pro-rated
d. 10 year corrosion perforation on cab and body
e. 20 year aerial structural
f. Lifetime frame warranty
g. 2 year front axle
h. 2 year rear axle
i. 5 year fire pump
j. Lifetime booster tank
k. Manufacturer's standard 5 year warranty for transmission

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**FLORIDA SHERIFFS ASSOCIATION, FLORIDA FIRE CHIEFS'
ASSOCIATION, & FLORIDA ASSOCIATION OF COUNTIES**

**SPECIFICATION #13 – REAR MOUNTED
AERIAL PLATFORM**

ALL ITEMS FACTORY INSTALLED UNLESS OTHERWISE INDICATED

INSTRUCTIONS: In the first column labeled “Manufacturer’s Base Vehicle Standard Equipment”, check the applicable areas where the manufacturer’s base vehicle standard equipment meets the minimum specifications of the base vehicle bid.

Minimum Requirements: In all areas of this specification bidders must comply with the current publication of NFPA 1901 (2009 edition) and all chapters that are appropriate for a quint apparatus with a special emphasis on Chapters 1, 2, 3, 4, 8, 12, 13, 14, 15, 16, 18, 19, FMVSS (applicable areas) and NHTSA standards. When requested, bidders must submit complete detailed specifications for the apparatus being offered, as well as all options, to the end user.

All bidders are to bid under the current NFPA 1901 standards, and all addendums that are currently in effect at the time of bidding.

The bidder is to understand that the Florida Sheriffs Association does not guarantee any quantity of vehicles will be ordered off this contract. The bidder will further understand that this program operates under a split bid award system which allows the end user authority to purchase from any of the responsive bidders authorized and awarded to do business off this contract. **The end user authority will contract directly and individually with the awarded bidder of their choice for any and all vehicles offered on this contract and any other features, options and equipment items required to meet their individual needs. Customers shall choose from options furnished to them by the manufacturer.**

Delivery of the vehicles shall be accomplished by factory or dealer drive away programs. However, the right is reserved for the individual end users to pick up the vehicles at either the factory or the dealership.

Prospective bidder(s) are advised that the following documentation is to be included and made a part of the bid submission. The Bid Coordinator reserves the right to disqualify any bidder(s) who are in non-compliance with this provision.

Bid Bond: A five percent (5%) Bid Bond issued by a bonding company licensed to conduct business in the state of Florida is required for base vehicle price and shall be provided as part of the bid package, bond must cover the highest priced submittal. Bid bond will be made out to the Florida Sheriffs Association as coordinator of this bid unless otherwise indicated or approved by FSA’s Bid Coordinator.

Performance Bond: The contractor is required to notify the customer of the availability of a one hundred percent performance bond at an additional cost to the customer. The company submitting the performance bond must have a minimum A rating as determined by A.M. Best Company. The cost of the performance bond will be based on the final price of the contract and must be provided to the customer in writing.

Note: A letter from a bonding company licensed to do business in Florida must be submitted with the bid stating that the manufacturer will provide a 100% Performance Bond between the bidder and the end user authority upon award of this bid.

The manufacturer of this vehicle:

- Shall carry not less than fifteen million dollars (\$15,000,000.00) in product liability insurance, listing the Florida Sheriffs Association as additional insured, and shall submit a copy of this insurance with the bid proposal.
- Shall possess a Florida Motor Vehicle Department license as a Manufacturer of Motor Vehicles and shall provide a copy of the license with the bid proposal.
- Shall be or have a Florida Dealer Representative who shall possess a Florida Motor Vehicle Dealers license and shall provide a copy of the license with the bid proposal.
- Shall employ full-time parts personnel with toll-free access number.
- Shall employ a full-time electrical troubleshooter with toll-free access number.
- Shall employ a full-time warranty representative with toll-free access number.
- Bidder shall submit how warranty service claims will be handled in the State of Florida.

**Manufacturer's
Base Vehicle
Standard
Equipment**

1. DOCUMENTATION, DELIVERY, TRAINING

- | | | |
|----|--|--------------------------|
| a. | When requested by end user, bidders to accurately state wheelbase, cab to axle, overall length, bumper swing turn radius, curb-to-curb turning radius, overall height, overall width, GVWR, angle of approach, angle of departure and SCAAN certification for drivetrain compatibility in submitted specifications | <input type="checkbox"/> |
| b. | Approval drawings provided prior to construction commencement | <input type="checkbox"/> |
| c. | Two (2) sets of operator and service manuals | <input type="checkbox"/> |
| d. | Delivery to be F.O.B. customer's location | <input type="checkbox"/> |
| e. | Three (3) days of training by employee of manufacturer | <input type="checkbox"/> |
| f. | Pump test certification by independent third party | <input type="checkbox"/> |
| g. | Water tank capacity certification by independent third party | <input type="checkbox"/> |
| h. | Aerial non-destructive, waterway flow test, performance and stability testing by independent third party | <input type="checkbox"/> |
| i. | 12 volt and, if applicable, 110 volt testing by independent third party | <input type="checkbox"/> |
| j. | Vehicle weight, as measured by certified scales | <input type="checkbox"/> |

2. CHASSIS

- | | | |
|----|---|--------------------------|
| a. | 110,000 psi heat treated steel frame rail with full length inner 110,000 psi C-channel liner or integral torque box frame | <input type="checkbox"/> |
| b. | 10 gauge polished stainless steel 16" to 24" extended front bumper with aluminum diamond plate gravel shield | <input type="checkbox"/> |
| c. | Tow hooks or eyes front and rear attached to the frame | <input type="checkbox"/> |
| d. | 20,000 pound minimum front axle, suspension, tubeless radial tires, steel disc wheels | <input type="checkbox"/> |
| e. | 50,000 pound minimum rear axle, suspension, tubeless radial tires, steel disc wheels | <input type="checkbox"/> |

**Manufacturer's
Base Vehicle
Standard
Equipment**

- f. Front and rear mud flaps ☐
- g. NFPA 1901 Chapter 4.15.3 top speed rating requirement ☐
- h. S-cam air brakes or equivalent, as large as possible, with automatic slack adjusters ☐
- i. Manufacturer's standard compressor ☐
- j. Minimum 5000 cubic inch air reservoir capacity ☐
- k. Air dryer, color coded air lines, turn drain valves on reservoirs ☐
- l. ABS brakes ☐
- m. Power steering with tilt/telescopic wheel ☐
- n. Vehicle data recorder (VDR) in compliance with Chapter 4.11 with required software meeting 4.11.8 ☐
- o. Electronic Stability Control shall be provided in compliance with NFPA 1901 Chapter 4.13.1.2 if the manufacturer cannot comply with Chapters 4.13.1.1 through 4.13.1.1.3.2. ☐
- p. Tire pressure monitoring system with Chapter 4.13.4 ☐
- q. Aluminum Wheels. ☐

3. POWERTRAIN

- a. Minimum 450 horsepower turbocharged diesel engine with 1450 ft. lb. torque rating ☐
- b. Engine exhaust at front of right rear wheels ☐
- c. Secondary braking to meet NFPA ☐
- d. Engine manufacturer's statement of engine installation approval with approved cooling system ☐
- e. Drivelines to meet engine torque rating ☐
- f. Silicone coolant hoses with constant torque clamps ☐
- g. EVS 4000 automatic transmission ☐
- h. 50 gallon minimum fuel tank ☐
- i. OEM oil, fuel, transmission filters ☐

4. CAB

- a. Medium length tilt aluminum cab meeting NFPA 1901 Chapter 14.3.2 ☐
- b. Seating for four, three in SCBA seats with SCBA brackets ☐
- c. Air ride driver seat, all others fixed position ☐
- d. All persons in 3-point seat belts per Chapter 14, seats equipped with seat belt/occupant detection/warning system per Chapter 14 ☐
- e. Electric over hydraulic cab tilt with manual back-up ☐
- f. Single tone cab paint finish with 10 year paint warranty pro-rated ☐
- g. Air conditioning and heating ☐
- h. Remote controlled mirrors (from driver's position) with separate flat and convex sections ☐
- i. DOT compliant headlights ☐
- j. Forward facing turn and warning lights ☐
- k. Cornering turn and warning lights ☐
- l. Minimum four (4) dome lights with red and clear bulbs ☐
- m. Minimum four (4) under cab step lights ☐

**Manufacturer's
Base Vehicle
Standard
Equipment**

- n. Cab and compartment door ajar light and buzzer ☐
- o. One (1) engine compartment light ☐
- p. Color coded and function coded wiring ☐
- q. Alternator sized according to amp draw report ☐
- r. Minimum four (4) 750 CCA batteries ☐
- s. Load manager with automatic high idle function ☐
- t. Dual air horns with dual in-cab controls ☐

5. AERIAL APPARATUS – ALUMINUM OR STEEL

- a. Aerial shall meet or exceed all sections of NFPA 1901 Chapter 19 ☐
- b. Ladder material: aluminum or steel ☐
- c. Rear-mounted configuration ☐
- d. Minimum 3-section aerial with minimum elevation of 100' per NFPA requirements ☐
- e. Rated horizontal reach per NFPA requirements ☐
- f. Rungs shall meet all aspects of NFPA 1901 19.2.5 ☐
- g. Rungs equipped with a slip resistant surface meeting NFPA 1901 19.2.5 ☐
- h. Rungs spacing meeting NFPA 1901 19.2.5 ☐
- i. Turntable with pedestal mounted controls meeting NFPA 1901 19.4 ☐
- j. Platform rated load capacity not flowing water: 1000 lbs. plus equipment ☐
- k. Platform rated load capacity while flowing 1000 gpm: 500 lbs. in addition to permanently affixed equipment ☐
- l. Rated load capacities shall meet and /or exceed NFPA 1901 19.3 ☐
- m. The aerial shall be rated in multiple configurations per Chapter 19.3.4 ☐
- n. Extend/retract, rotate and hydraulic or electric over hydraulic controls meeting NFPA 1901 19.5 through 19.5.3.6. ☐
- o. Hydraulic pressure gauge at turntable controls ☐
- p. Illuminated Angle of Elevation Indicator meeting NFPA 1901 19.4.1 ☐
- q. Flowmeter on turntable control pedestal meeting NFPA 1901 19.6.8 ☐
- r. All aerial control devices shall meet NFPA 1901 19.17 ☐
- s. Fall protection provisions shall be provided. ☐
- t. Bidders to state type of stabilizers and overall stabilizers spread ☐
- u. Aerial shall meet structural safety factors in accordance with NFPA 1901 19.20 ☐
- v. Aerial shall meet NFPA 1901 stability safety factors Chapter 19.21 ☐
- w. Lighted turntable area ☐
- x. The aerial manufacturer (the company that manufactures the entire aerial device) shall maintain a Quality Control Program in accordance with NFPA 1901 Chapter 19.22 ☐
- y. Special attention shall be paid to meeting all safety requirements per NFPA 1901 19.20 ☐
- z. Aerial shall be fully tested and certified by third party certified testing company per NFPA 1901 19.24 and 19.25 ☐
- aa. 2-way intercom system between ladder tip and turntable control pedestal. ☐

**Manufacturer's
Base Vehicle
Standard
Equipment**

- bb. Minimum 1000 gpm waterway system meeting NFPA 1901 with remote control nozzle (controls in platform and at turntable control pedestal). ☐
- cc. Minimum 4" rear waterway inlet with pressure gauge and long handled chrome cap ☐
- dd. Minimum 4" waterway discharge with 4" valve with handwheel or electric control on pump panel ☐
- ee. Waterway relief valve and minimum 1.5" drain at rear of apparatus ☐
- ff. Stabilizer controls and stabilizer to aerial controls mounted on rear of apparatus body ☐
- gg. One (1) high intensity spotlights on ladder tip ☐
- hh. Two high intensity flood lights on ladder base ☐
- ii. Painted finish on steel aerial-bidder shall provide copy of paint warranty on aerial ☐
- jj. Instruction plates and signs must be installed per NFPA 1901 Chapter 19.23 ☐
- kk. Platform construction and design must meet NFPA 1901 Chapter 19.7.6 ☐
- ll. Platform operating positions must meet NFPA 1901 Chapter 19.9 ☐

6. FIRE PUMP & PLUMBING

- a. Minimum 1500 GPM pump as rated per NFPA 1901 Chapter 16 ☐
- b. Air operated pump shift ☐
- c. Discharge pressure relief valve ☐
- d. Intake pressure relief valve ☐
- e. Master drain valve ☐
- f. Electric dry type primer ☐
- g. Pump panel lights, 3 each side ☐
- h. Pump compartment light ☐
- i. OK to pump lights in cab and at pump panel ☐
- j. Engine cooler ☐
- k. Pump cooler ☐
- l. Two (2) 6" steamers, one on side panel ☐
- m. 2.5" left side gated suction ☐
- n. 1.5" tank fill ☐
- o. Two (2) 2" crosslay hose beds over the pump compartment ☐
- p. Two (2) 2-1/2" left side discharges ☐
- q. Two (2) 2-1/2" right side discharges ☐
- r. Stainless steel schedule 40 piping with 10 year warranty ☐
- s. Panel gauge package: water tank level, tach, oil pressure, water temperature, voltmeter, light and alarm system ☐
- t. Minimum 300 gallon polypropylene booster tank with lifetime warranty ☐
- u. 3" tank to pump connection ☐
- v. Minimum 10" x 8" fill tower with minimum 4" overflow tube ☐
- w. 15 ft. of soft suction hose sized for capacity of fire pump ☐

7. APPARATUS BODY

- a. Bidders to bid on each of their offered construction types: ☐

**Manufacturer's
Base Vehicle
Standard
Equipment**

- Extruded aluminum
- Formed aluminum
- Formed galvalume steel
- Formed stainless steel
- b. Bidders to state thicknesses, alloys and construction methods of all materials used in body construction ☐
- c. High left side compartments or high right side compartments or lower rear compartments or hose bed ☐
- d. Bidders to accurately state the total cubic footage of compartment space, along with each compartment size ☐
- e. Lights in compartments to meet NFPA 1901 Chapter 13.10.5 ☐
- f. Hose bed lighting must be provided per NFPA Chapter 1901 13.10.2 ☐
- g. Back up alarm ☐
- h. Rear ladder storage for minimum 115' NFPA ground ladders fully enclosed at rear of apparatus, ladders to be included ☐
- i. Rear pike pole storage for minimum of six (6) pike poles fully enclosed at rear of apparatus ☐
- j. Slide out pump operator platform ☐
- k. Hose bed with hose restraints to be NFPA quint compliant ☐
- l. Steps and handrails for climbing from ground to turntable – bidders to state exact design ☐
- m. Lights at each step ☐
- n. Stop/turn/back up lights ☐
- o. DOT clearance and marker lights ☐
- p. License plate light ☐
- q. Rear deck lights ☐
- r. Rub rail along each side of body ☐
- s. Running boards at each pump panel ☐
- t. Brushed stainless steel or black non-glare aluminum pump panels ☐

8. EMERGENCY WARNING

- a. NFPA Zone A lower and upper level lighting ☐
- b. NFPA Zone B / D lower level lighting ☐
- c. NFPA Zone C upper and lower level lighting ☐
- d. Electronic 200 watt siren/PA with minimum 100 watt speaker recessed in bumper ☐
- e. All emergency lights, stop/turn/back-up lights, DOT clearance, pump panel, compartment, step, license plate, perimeter scene, and interior dome lights to be LED ☐

9. PAINT FINISH/REFLECTIVE STRIPING

- a. Cab and body to be painted single tone with 10 year pro-rated paint and corrosion perforation warranty ☐
- b. Reflective striping in accordance with Chapter 15.9.3 ☐
- c. Reflective chevron on rear of apparatus in accordance with Chapter 15.9.3.2. ☐

**Manufacturer's
Base Vehicle
Standard
Equipment**10. WARRANTY

- | | | |
|----|--|--------------------------|
| a. | 1 year bumper to bumper mechanical, excluding normal wear and tear items | <input type="checkbox"/> |
| b. | 10 year cab and body structural | <input type="checkbox"/> |
| c. | 10 year paint pro-rated | <input type="checkbox"/> |
| d. | 10 year corrosion perforation on cab and body | <input type="checkbox"/> |
| e. | 20 year aerial structural | <input type="checkbox"/> |
| f. | Lifetime frame warranty | <input type="checkbox"/> |
| g. | 2 year front axle | <input type="checkbox"/> |
| h. | 2 year rear axle | <input type="checkbox"/> |
| i. | 5 year fire pump | <input type="checkbox"/> |
| j. | Lifetime booster tank | <input type="checkbox"/> |
| k. | Manufacturer's standard 5 year warranty for transmission | <input type="checkbox"/> |

FLORIDA SHERIFFS ASSOCIATION, FLORIDA FIRE CHIEFS' ASSOCIATION, & FLORIDA ASSOCIATION OF COUNTIES

SPECIFICATION #14 – MEDIUM DUTY RESCUE APPARATUS

ALL ITEMS FACTORY INSTALLED UNLESS OTHERWISE INDICATED

INSTRUCTIONS: In the first column labeled “**Manufacturer’s Base Vehicle Standard Equipment**”, check the applicable areas where the manufacturer’s base vehicle standard equipment meets the minimum specifications of the base vehicle bid.

Minimum Requirements: In all areas of this specification bidders must comply with the current publication of NFPA 1901 (2009 edition) and all chapters that are appropriate for a special service vehicle with a special emphasis on Chapters 1, 2, 3, 4, 10, 12, 13, 14, 15, 25 (if applicable), FMVSS (applicable areas) and NHTSA standards. When requested, bidders must submit complete detailed specifications for the apparatus being offered, as well as all options, to the end user.

All bidders are to bid under the current NFPA 1901 standards, and all addendums that are currently in effect at the time of bidding.

The bidder is to understand that the Florida Sheriffs Association does not guarantee any quantity of vehicles will be ordered off this contract. The bidder will further understand that this program operates under a split bid award system which allows the end user authority to purchase from any of the responsive bidders authorized and awarded to do business off this contract. **The end user authority will contract directly and individually with the awarded bidder of their choice for any and all vehicles offered on this contract and any other features, options and equipment items required to meet their individual needs. Customers shall choose from options furnished to them by the manufacturer.**

Delivery of the vehicles shall be accomplished by factory or dealer drive away programs. However, the right is reserved for the individual end users to pick up the vehicles at either the factory or the dealership.

Prospective bidder(s) are advised that the following documentation is to be included and made a part of the bid submission. The Bid Coordinator reserves the right to disqualify any bidder(s) who are in non-compliance with this provision.

Bid Bond: A five percent (5%) Bid Bond issued by a bonding company licensed to conduct business in the state of Florida is required for base vehicle price and shall be provided as part of the bid package, bond must cover the highest priced submittal. Bid bond will be made out to the Florida Sheriffs Association as coordinator of this bid unless otherwise indicated or approved by FSA’s Bid Coordinator.

Performance Bond: The contractor is required to notify the customer of the availability of a one hundred percent performance bond at an additional cost to the customer. The company submitting the performance bond must have a minimum A rating as determined by A.M. Best Company. The cost of the performance bond will be based on the final price of the contract and must be provided to the customer in writing.

Note: A letter from a bonding company licensed to do business in Florida must be submitted with the bid stating that the manufacturer will provide a 100% Performance Bond between the bidder and the end user authority upon award of this bid.

The manufacturer of this vehicle:

- Shall carry not less than fifteen million dollars (\$15,000,000.00) in product liability insurance, listing the Florida Sheriffs Association as additional insured, and shall submit a copy of this insurance with the bid proposal.
- Shall possess a Florida Motor Vehicle Department license as a Manufacturer of Motor Vehicles and shall provide a copy of the license with the bid proposal.
- Shall be or have a Florida Dealer Representative who shall possess a Florida Motor Vehicle Dealers license and shall provide a copy of the license with the bid proposal.
- Shall employ full-time parts personnel with toll-free access number.
- Shall employ a full-time electrical troubleshooter with toll-free access number.
- Shall employ a full-time warranty representative with toll-free access number.
- Bidder shall submit how warranty service claims will be handled in the State of Florida.

**Manufacturer's
Base Vehicle
Standard
Equipment**

1. DOCUMENTATION, DELIVERY, TRAINING

- | | |
|---|--------------------------|
| a. When requested by end user, bidders to accurately state wheelbase, cab to axle, overall length, overall height, overall width, GVWR, angle of approach, angle of departure | <input type="checkbox"/> |
| b. Approval drawings provided prior to construction commencement | <input type="checkbox"/> |
| c. Two (2) sets of operator and service manuals | <input type="checkbox"/> |
| d. Delivery to be F.O.B. customer's location | <input type="checkbox"/> |
| e. Vehicle orientation as outlined in NFPA 1901 | <input type="checkbox"/> |
| f. 12 volt and, if applicable, 110 volt testing by independent third party | <input type="checkbox"/> |
| g. Vehicle weight, as measured by certified scales | <input type="checkbox"/> |

2. COMMERCIAL 2-DOOR CHASSIS

- | | |
|---|--------------------------|
| a. Two wheel drive; minimum 108" cab to axle | <input type="checkbox"/> |
| b. 110,000 psi heat treated steel frame rail system | <input type="checkbox"/> |
| c. 12,000 pound minimum front axle, suspension, tubeless radial tires, steel disc wheels;
23,000 pound minimum rear axle, suspension, tubeless radial tires, steel disc wheels | <input type="checkbox"/> |
| d. Vehicle Data Recorder per Chapter 4.11 with required software | <input type="checkbox"/> |
| e. Electronic Stability Control shall be provided in compliance with NFPA 1901 Chapter 4.13.1.2 if the manufacturer cannot comply with Chapters 4.13.1.1 through 4.13.1.1.3.2. | <input type="checkbox"/> |
| f. Tire pressure monitoring system per Chapter 4.13.4 | <input type="checkbox"/> |
| g. Chrome or stainless steel front bumper | <input type="checkbox"/> |
| h. Tow hooks or eyes front and rear attached to the frame | <input type="checkbox"/> |
| i. Front and rear mud flaps | <input type="checkbox"/> |
| j. S-cam air brakes or equivalent, as large as possible, with automatic slack adjusters | <input type="checkbox"/> |
| k. Minimum 13.2 cfm gear driven air compressor | <input type="checkbox"/> |
| l. Commercial chassis are to be current model. | <input type="checkbox"/> |

**Manufacturer's
Base Vehicle
Standard
Equipment**

- m. Air dryer, turn drain valves on reservoirs ☐
- n. ABS brakes ☐
- o. Power steering with tilt/telescopic wheel, if available ☐

3. POWERTRAIN

- a. Minimum 330 horsepower turbocharged diesel engine ☐
- b. Engine exhaust at front of right rear wheels ☐
- c. Secondary engine braking ☐
- d. Drivelines to meet engine torque rating ☐
- e. Automatic transmission ☐
- f. 50 gallon minimum fuel tank ☐
- g. OEM oil, fuel, transmission filters ☐

4. 2-DOOR CAB

- a. Seating for three (3), seats with NFPA compliant seat belts and seat belt warning system ☐
- b. NFPA compliant 12-volt switches and instruments ☐
- c. Air conditioning and heating ☐
- d. Engine compartment light ☐
- e. Dome/step lights meeting NFPA 1901 ☐
- f. Single tone cab paint finish with OEM standard paint warranty ☐
- g. Driver remote controlled mirrors with separate flat and convex sections ☐
- h. Dual type headlights ☐
- i. Forward facing turn and warning lights ☐
- j. Minimum two (2) under cab step lights ☐
- k. Cab and compartment door ajar light and buzzer ☐
- l. Engine compartment light ☐
- m. 270 amp alternator ☐
- n. Minimum two (2) 750 CCA batteries ☐
- o. Load manager with automatic high idle function ☐
- p. Dual air horns with dual in-cab controls ☐
- q. 110 volt battery charger receptacle near driver's door ☐

5. APPARATUS BODY

- a. Bidders to bid on each of their offered construction types: ☐
 - Extruded aluminum
 - Formed aluminum
 - Stainless Steel
- b. Minimum 15' body length (outside length, do not include rear step in 15' calculation of body length) non-walk-in type ☐
- c. Body compartments shall be configured ☐
 - Two (2) transverse compartment(s) forward of rear wheels
 - One (1) transverse compartment over rear axle each side
 - One (1) full depth/full height compartment behind rear axle one each side
 - One (1) full height x as deep as possible compartment on rear of body

**Manufacturer's
Base Vehicle
Standard
Equipment**

- d. Bidder to state compartment sizes ☐
- e. Minimum of 480 cubic feet of use able storage space ☐
- f. Compartment lights per NFPA Chapter 13.10.5 ☐
- g. License plate light ☐
- h. One pair of 12-volt rear body upper scene lights per NFPA 1901 ☐

6. EMERGENCY WARNING

- a. NFPA 1901 upper and lower warning light package ☐
- b. Electronic 100 watt siren with 100 watt siren speaker, minimum ☐
- c. All emergency lights, rear, stop/turn/back-up lights, DOT clearance, pump panel, compartment, step, license plate, perimeter scene, and interior dome lights to be LED ☐

7. PAINT FINISH

- a. Cab OEM finish and body to be painted matching color ☐
- b. Single tone cab paint finish ☐
- c. Wheels painted to match the cab and body ☐
- d. NFPA 1901 required reflective stripe, on cab and body sides on cab door inner panels, chevron stripe on rear of body ☐

8. WARRANTY

- a. 1 year bumper to bumper mechanical, excluding normal wear and tear items ☐
- b. OEM chassis manufacturer's standard warranty ☐
- c. 10 year paint on body pro-rated ☐

FLORIDA FIRE CHIEFS' ASSOCIATION, FLORIDA SHERIFFS ASSOCIATION & FLORIDA ASSOCIATION OF COUNTIES

SPECIFICATION #15 – HEAVY RESCUE APPARATUS

ALL ITEMS FACTORY INSTALLED UNLESS OTHERWISE INDICATED

INSTRUCTIONS: In the first column labeled “Manufacturer’s Base Vehicle Standard Equipment”, check the applicable areas where the manufacturer’s base vehicle standard equipment meets the minimum specifications of the base vehicle bid.

Minimum Requirements: In all areas of this specification bidders must comply with the current publication of NFPA 1901 (2009 edition) and all chapters that are appropriate for a special service vehicle with a special emphasis on Chapters 1, 2, 3, 4, 10, 12, 13, 14, 15, 25 (if applicable), FMVSS (applicable areas) and NHTSA standards. When requested, bidders must submit complete detailed specifications for the apparatus being offered, as well as all options, to the end user.

All bidders are to bid under the current NFPA 1901 standards, and all addendums that are currently in effect at the time of bidding.

The bidder is to understand that the Florida Sheriffs Association does not guarantee any quantity of vehicles will be ordered off this contract. The bidder will further understand that this program operates under a split bid award system which allows the end user authority to purchase from any of the responsive bidders authorized and awarded to do business off this contract. **The end user authority will contract directly and individually with the awarded bidder of their choice for any and all vehicles offered on this contract and any other features, options and equipment items required to meet their individual needs. Customers shall choose from options furnished to them by the manufacturer.**

Delivery of the vehicles shall be accomplished by factory or dealer drive away programs. However, the right is reserved for the individual end users to pick up the vehicles at either the factory or the dealership.

Prospective bidder(s) are advised that the following documentation is to be included and made a part of the bid submission. The Bid Coordinator reserves the right to disqualify any bidder(s) who are in non-compliance with this provision.

Bid Bond: A five percent (5%) Bid Bond issued by a bonding company licensed to conduct business in the state of Florida is required for base vehicle price and shall be provided as part of the bid package, bond must cover the highest priced submittal. Bid bond will be made out to the Florida Sheriffs Association as coordinator of this bid unless otherwise indicated or approved by FSA’s Bid Coordinator.

Performance Bond: The contractor is required to notify the customer of the availability of a one hundred percent performance bond at an additional cost to the customer. The company submitting the performance bond must have a minimum A rating as determined by A.M. Best Company. The cost of the performance bond will be based on the final price of the contract and must be provided to the customer in writing.

Note: A letter from a bonding company licensed to do business in Florida must be submitted with the bid stating that the manufacturer will provide a 100% Performance Bond between the bidder and the end user authority upon award of this bid.

The manufacturer of this vehicle:

- Shall carry not less than fifteen million dollars (\$15,000,000.00) in product liability insurance, listing the Florida Sheriffs Association as additional insured, and shall submit a copy of this insurance with the bid proposal.
- Shall possess a Florida Motor Vehicle Department license as a Manufacturer of Motor Vehicles and shall provide a copy of the license with the bid proposal.
- Shall be or have a Florida Dealer Representative who shall possess a Florida Motor Vehicle Dealers license and shall provide a copy of the License with the bid proposal.
- Shall employ full-time parts personnel with toll-free access number.
- Shall employ a full-time electrical troubleshooter with toll-free access number.
- Shall employ a full-time warranty representative with toll-free access number.
- Bidder shall submit how warranty service claims will be handled in the State of Florida.

**Manufacturer's
Base Vehicle
Standard
Equipment**

1. DOCUMENTATION, DELIVERY, TRAINING

- | | |
|---|--------------------------|
| a. When requested by end user, bidders to accurately state wheelbase, cab to axle, overall length, bumper swing turn radius, curb-to-curb turning radius, overall height, overall width, GVWR, angle of approach, angle of departure and SCAAN certification for drivetrain compatibility in submitted specifications | <input type="checkbox"/> |
| b. Approval drawings provided prior to construction commencement | <input type="checkbox"/> |
| c. Two (2) sets of operator and service manuals | <input type="checkbox"/> |
| d. Delivery to be F.O.B. customer's location | <input type="checkbox"/> |
| e. Vehicle orientation as outlined in NFPA 1901 | <input type="checkbox"/> |
| f. Pump test certification (if applicable) by independent third party | <input type="checkbox"/> |
| g. Water tank capacity (if applicable) certification | <input type="checkbox"/> |
| h. 12 volt and, if applicable, 110 volt testing by independent third party | <input type="checkbox"/> |
| i. Vehicle weight, as measured by certified scales | <input type="checkbox"/> |

2. CHASSIS

- | | |
|---|--------------------------|
| a. 110,000 psi steel frame rail with full length inner 110,000 psi C-channel liner | <input type="checkbox"/> |
| b. 10 gauge polished stainless steel 16" to 24" extended front bumper with aluminum diamond plate gravel shield | <input type="checkbox"/> |
| c. Tow hooks or eyes front and rear attached to the frame | <input type="checkbox"/> |
| d. 18,000 pound minimum front axle, suspension, tubeless radial tires, steel disc wheels | <input type="checkbox"/> |
| e. 24,000 pound minimum rear axle, suspension, tubeless radial tires, steel disc wheels | <input type="checkbox"/> |
| f. Front and rear mud flaps | <input type="checkbox"/> |
| g. NFPA 1901 Chapter 4.15.3 top speed rating requirement | <input type="checkbox"/> |

**Manufacturer's
Base Vehicle
Standard
Equipment**

- h. S-cam air brakes, as large as possible, with automatic slack adjusters ☐
- i. Manufacturer's standard compressor ☐
- j. Minimum 5000 cubic inch air reservoir capacity ☐
- k. Air dryer, color coded air lines, turn drain valves on reservoirs ☐
- l. ABS brakes ☐
- m. Power steering with tilt/telescopic wheel ☐
- n. Vehicle data recorder (VDR) in compliance with Chapter 4.11 with required software meeting 4.11.8 ☐
- o. Electronic Stability Control shall be provided in compliance with NFPA 1901 Chapter 4.13.1.2 if the manufacturer cannot comply with Chapters 4.13.1.1 through 4.13.1.1.3.2, or model to have been tilt table tested and certified per Chapter 4.13.1.1.1 ☐
- p. Tire pressure monitoring system with Chapter 4.13.4 ☐

3. POWERTRAIN

- a. Minimum 350 horsepower turbocharged diesel engine with 1000 ft. lb. torque rating ☐
- b. Minimum EVS 3000 transmission ☐
- c. Engine exhaust at front of right rear wheels ☐
- d. Secondary braking to meet NFPA ☐
- e. Engine manufacturer's statement of engine installation approval with approved cooling system ☐
- f. Drivelines to meet engine torque rating ☐
- g. Silicone coolant hoses with constant torque clamps ☐
- h. 50 gallon minimum fuel tank ☐
- i. OEM oil, fuel, transmission filters ☐

4. CAB

- a. Medium length tilt aluminum cab meeting NFPA 1901 Chapter 14.3.2 ☐
- b. Seating for four, three in SCBA seats with SCBA brackets ☐
- c. Air ride driver seat, all others fixed position ☐
- d. All persons in 3-point seat belts per Chapter 14, seats equipped with seat belt/occupant detection/warning system per Chapter 14 ☐
- e. Electric over hydraulic cab tilt with manual back-up ☐
- f. Single tone cab paint finish with 10 year paint warranty pro-rated ☐
- g. Air conditioning and heating ☐
- h. Remote controlled mirrors (from driver's position) with separate flat and convex sections ☐
- i. DOT compliant headlights ☐
- j. Forward facing turn and warning lights ☐
- k. Cornering turn and warning lights ☐
- l. Minimum four (4) dome lights with red and clear bulbs ☐
- m. Minimum four (4) under cab step lights ☐
- n. Cab and compartment door ajar light and buzzer ☐
- o. One (1) engine compartment light ☐

**Manufacturer's
Base Vehicle
Standard
Equipment**

- p. Color coded and function coded wiring ☐
- q. Alternator sized according to amp draw report ☐
- r. Minimum four (4) 750 CCA batteries ☐
- s. Load manager with automatic high idle function ☐
- t. Dual air horns with dual in-cab controls ☐

5. APPARATUS BODY

- a. Bidders to bid on each of their offered construction types: ☐
 - Extruded aluminum
 - Formed aluminum
 - Formed stainless steel
- b. Minimum 18' body length (outside body length, do not include rear step in 18' body length calculation) non-walk-in type body ☐
- c. Body compartments shall be configured ☐
 - Two (2) transverse compartment(s) forward of rear wheels
 - One (1) transverse compartment over rear axle each side
 - One (1) full depth/full height compartment behind rear axle one each side
 - One (1) full height x as deep as possible compartment on rear of body
- d. Bidder to state compartment sizes ☐
- e. Minimum of 520 cubic feet of use able storage space ☐
- f. Compartment lights per NFPA Chapter 13.10.5 ☐
- g. License plate light ☐
- h. One pair of 12-volt rear body upper scene lights per NFPA 1901 ☐
- i. Two (2) 12-volt upper side body scene lights per side (4 lights total) ☐
- j. Minimum 10" rear step for access for rear storage compartment, step surface to meet NFPA 1901 requirements for slip-resistance, with NFPA compliant handrails ☐

6. EMERGENCY WARNING

- a. NFPA Zone A lower and upper level lighting ☐
- b. NFPA Zone B / D lower level lighting ☐
- c. NFPA Zone C upper and lower level lighting ☐
- d. Electronic 100 watt siren with 100 watt siren speaker, minimum ☐
- e. All emergency warning lights, rear, stop/turn/back-up lights, DOT clearance, pump panel, compartment, step, license plate, perimeter and interior dome lights to be LED. ☐

7. PAINT FINISH

- a. Cab and body to be painted single tone ☐
- b. Wheels painted to match the cab and body ☐
- c. Minimum 4" reflective stripe on cab and body, chevron striping on rear of body per NFPA 1901 ☐

8. WARRANTY

- a. 1 year bumper to bumper mechanical, excluding normal wear and tear items ☐

**Manufacturer's
Base Vehicle
Standard
Equipment**

- | | | |
|----|--|--------------------------|
| b. | 10 year cab and body structural | <input type="checkbox"/> |
| c. | 10 year paint pro-rated | <input type="checkbox"/> |
| d. | 10 year corrosion perforation on cab and body | <input type="checkbox"/> |
| e. | Lifetime frame warranty | <input type="checkbox"/> |
| f. | Manufacturer's standard warranty for front and rear axle | <input type="checkbox"/> |
| g. | 5 year engine | <input type="checkbox"/> |
| h. | Manufacturer's standard 5 year warranty for transmission | <input type="checkbox"/> |
| i. | 2 year fire pump (if applicable) | <input type="checkbox"/> |
| j. | Lifetime booster tank (if applicable) | <input type="checkbox"/> |

FLORIDA SHERIFFS ASSOCIATION, FLORIDA FIRE CHIEFS' ASSOCIATION, & FLORIDA ASSOCIATION OF COUNTIES

SPECIFICATION #16 – 2500 GALLON MOBILE WATER SUPPLY FIRE APPARATUS

ALL ITEMS FACTORY INSTALLED UNLESS OTHERWISE INDICATED

INSTRUCTIONS: In the first column labeled “Manufacturer’s Base Vehicle Standard Equipment”, check the applicable areas where the manufacturer’s base vehicle standard equipment meets the minimum specifications of the base vehicle bid.

Minimum Requirements: In all areas of this specification bidders must comply with the current publication of NFPA 1901 (2009 edition), applicable for mobile water supply Chapter 7, FMVSS (applicable areas) and NHTSA standards. The intent of the mobile water supply specification is for all bidders to bid a mobile water supply vehicle with as much side and rear compartmentation as possible; equipped with an apparatus body, hosebed, and pump module that are completely separate of the water tank. The hosebed shall be integral to the apparatus body. A wet side type or elliptical type mobile water supply vehicle will not meet the minimum criteria for this bid solicitation. When requested, bidders must submit complete detailed specifications for the apparatus being offered, as well as all options, to the end user.

All bidders are to bid under the current NFPA 1901 standards, and all addendums that are currently in effect at the time of bidding.

The bidder is to understand that the Florida Sheriffs Association does not guarantee any quantity of vehicles will be ordered off this contract. The bidder will further understand that this program operates under a split bid award system which allows the end user authority to purchase from any of the responsive bidders authorized and awarded to do business off this contract. **The end user authority will contract directly and individually with the awarded bidder of their choice for any and all vehicles offered on this contract and any other features, options and equipment items required to meet their individual needs. Customers shall choose from options furnished to them by the manufacturer.**

Delivery of the vehicles shall be accomplished by factory or dealer drive away programs. However, the right is reserved for the individual end users to pick up the vehicles at either the factory or the dealership.

Prospective bidder(s) are advised that the following documentation is to be included and made a part of the bid submission. The Bid Coordinator reserves the right to disqualify any bidder(s) who are in non-compliance with this provision.

Bid Bond: A five percent (5%) Bid Bond issued by a bonding company licensed to conduct business in the state of Florida is required for base vehicle price and shall be provided as part of the bid package, bond must cover the highest priced submittal. Bid bond will be made out to the Florida Sheriffs Association as coordinator of this bid unless otherwise indicated or approved by FSA’s Bid Coordinator.

Performance Bond: The contractor is required to notify the customer of the availability of a one hundred percent performance bond at an additional cost to the customer. The company submitting the performance bond must have a minimum A rating as determined by A.M. Best Company. The cost of the performance bond will be based on the final price of the contract and must be provided to the customer in writing.

Note: A letter from a bonding company licensed to do business in Florida must be submitted with the bid stating that the manufacturer will provide a 100% Performance Bond between the bidder and the end user authority upon award of this bid.

The manufacturer of this vehicle:

- Shall carry not less than fifteen million dollars (\$15,000,000.00) in product liability insurance, listing the Florida Sheriffs Association as additional insured, and shall submit a copy of this insurance with the bid proposal.
- Shall possess a Florida Motor Vehicle Department license as a Manufacturer of Motor Vehicles and shall provide a copy of the license with the bid proposal.
- Shall be or have a Florida Dealer Representative who shall possess a Florida Motor Vehicle Dealers license and shall provide a copy of the License with the bid proposal.
- Shall employ full-time parts personnel with toll-free access number.
- Shall employ a full-time electrical troubleshooter with toll-free access number.
- Shall employ a full-time warranty representative with toll-free access number.
- Bidder shall submit how warranty service claims will be handled in the State of Florida.

**Manufacturer's
Base Vehicle
Standard
Equipment**

1. DOCUMENTATION, DELIVERY, TRAINING

- | | | |
|----|---|--------------------------|
| a. | When requested by end user, bidders to accurately state wheelbase, cab to axle, overall length, bumper swing turn radius, curb-to-curb turning radius, overall height, overall width, GVWR, angle of approach, angle of departure in submitted specifications | <input type="checkbox"/> |
| b. | Approval drawings provided prior to construction commencement | <input type="checkbox"/> |
| c. | Two (2) sets of operator and service manuals | <input type="checkbox"/> |
| d. | Delivery to be F.O.B. customer's location | <input type="checkbox"/> |
| e. | Pump test certification by independent third party | <input type="checkbox"/> |
| f. | Water tank capacity certification | <input type="checkbox"/> |
| g. | 12 volt and, if applicable, 110 volt testing by independent third party | <input type="checkbox"/> |
| h. | Vehicle weight, as measured by certified scales | <input type="checkbox"/> |

2. COMMERCIAL 2-DOOR CHASSIS

- | | | |
|----|---|--------------------------|
| a. | Two wheel drive | <input type="checkbox"/> |
| b. | Upgraded electrical system for emergency vehicle use to include a minimum of two batteries, minimum alternator(s) output of 220 amps. | <input type="checkbox"/> |
| c. | 110,000 psi heat treated steel frame with full length inner C-channel liner | <input type="checkbox"/> |
| d. | 16,000 pound minimum front axle, suspension, tubeless radial tires, steel disc wheels;
44,000 pound minimum rear tandem axle, suspension, tubeless radial tires, steel disc wheels | <input type="checkbox"/> |
| e. | Vehicle Data Recorder per Chapter 4.11 with required software | <input type="checkbox"/> |
| f. | Electronic Stability Control shall be provided in compliance with NFPA 1901 Chapter 4.13.1.2 if the manufacturer cannot comply with Chapters 4.13.1.1 through 4.13.1.1.3.2. | <input type="checkbox"/> |
| g. | Tire pressure monitoring system per Chapter 4.13.4 | <input type="checkbox"/> |
| h. | Commercial chassis are to be current model. | <input type="checkbox"/> |

**Manufacturer's
Base Vehicle
Standard
Equipment**

- i. Chrome or stainless steel front bumper ☐
- j. Tow hooks or eyes front and rear attached to the frame ☐
- k. Front and rear mud flaps ☐
- l. S-cam air brakes, as large as possible, with automatic slack adjusters ☐
- m. Minimum 13.2 cfm gear driven air compressor ☐
- n. Air dryer, turn drain valves on reservoirs ☐
- o. ABS brakes ☐
- p. Power steering with tilt/telescopic wheel, if available ☐

3. POWERTRAIN

- a. Minimum 330 horsepower turbocharged diesel engine ☐
- b. Engine exhaust at front of right rear wheels ☐
- c. Secondary engine braking to meet NFPA ☐
- d. Drivelines to meet engine torque rating ☐
- e. Automatic transmission ☐
- f. 50 gallon minimum fuel tank ☐
- g. OEM oil, fuel, transmission filters ☐

4. 2-DOOR CAB

- a. Seating for two (2) – bucket style vinyl seats with NFPA compliant seat belts and seat belt warning system ☐
- b. NFPA compliant 12-volt switches and instruments ☐
- c. Air conditioning and heating ☐
- d. Engine compartment light ☐
- e. Dome/step lights meeting NFPA 1901 ☐
- f. Single tone cab paint finish with OEM standard paint warranty ☐
- g. Driver remote controlled mirrors with separate flat and convex sections ☐
- h. Dual type headlights ☐
- i. Forward facing turn and warning lights ☐
- j. Minimum two (2) under cab step lights ☐
- k. Cab and compartment door ajar light and buzzer ☐
- l. Engine compartment light ☐
- m. 270 amp alternator ☐
- n. Minimum two (2) 750 CCA batteries ☐
- o. Load manager with automatic high idle function ☐
- p. Dual air horns with dual in-cab controls ☐
- q. 110 volt battery charger receptacle near driver's door ☐

5. FIRE PUMP & PLUMBING

- a. Minimum 500 gpm midship mounted PTO pump per NFPA 1901 Chapter 16 ☐
- b. Discharge pressure relief valve ☐
- c. Intake pressure relief valve ☐
- d. Master drain valve ☐

**Manufacturer's
Base Vehicle
Standard
Equipment**

- | | | |
|----|---|--------------------------|
| e. | Electric dry type primer | <input type="checkbox"/> |
| f. | Pump panel lights, 3 each side | <input type="checkbox"/> |
| g. | Pump compartment light | <input type="checkbox"/> |
| h. | OK to pump lights in cab and at pump panel | <input type="checkbox"/> |
| i. | Engine cooler | <input type="checkbox"/> |
| j. | Pump cooler | <input type="checkbox"/> |
| k. | One (1) 4.5" minimum steamer, on left side panel | <input type="checkbox"/> |
| l. | 2.5" left side gated suction | <input type="checkbox"/> |
| m. | 2-1/2" tank fill pump to tank fill | <input type="checkbox"/> |
| n. | Two 2.5" direct gated external tank fills | <input type="checkbox"/> |
| o. | Two 2" crosslay hose beds over the pump compartment | <input type="checkbox"/> |
| p. | One 2.5" left side discharge | <input type="checkbox"/> |
| q. | One 2.5" right side discharge | <input type="checkbox"/> |
| r. | Stainless steel piping with 10 year warranty | <input type="checkbox"/> |
| s. | Panel gauge package: water tank level, tach, oil pressure, water temperature, voltmeter, light and alarm system | <input type="checkbox"/> |
| t. | Side mount pump panel with gauges and all pump controls on driver side pump panel | <input type="checkbox"/> |
| u. | 2500 gallon polypropylene booster tank with lifetime warranty | <input type="checkbox"/> |
| v. | 3" tank to pump connection | <input type="checkbox"/> |
| w. | Minimum 10" x 8" fill tower with minimum 4" overflow tube | <input type="checkbox"/> |
| x. | 10" Square tank dump valve with manual control with 3-way dump capability | <input type="checkbox"/> |

6. APPARATUS BODY

- | | | |
|----|--|--------------------------|
| a. | Bidders to bid on each of their offered construction types:
• Extruded aluminum
• Formed aluminum
• Formed galvalume steel
• Formed stainless steel | <input type="checkbox"/> |
| b. | Bidders to state thicknesses, alloys and construction methods of all materials used in body construction | <input type="checkbox"/> |
| c. | Hard suction rack for two (2) lengths 10" x 4.5" minimum of hard suction | <input type="checkbox"/> |
| d. | Compartments: low side compartments both sides of body forward of and behind rear wheels; bidders to accurately state the total cubic footage of compartment space, along with each compartment size | <input type="checkbox"/> |
| e. | Lights in compartments to meet NFPA 1901 Chapter 13.10.5 | <input type="checkbox"/> |
| f. | Back up alarm | <input type="checkbox"/> |
| g. | Hose bed with hose restraints to be NFPA compliant; including one (1) adjustable divider | <input type="checkbox"/> |
| h. | Steps and handrails for climbing from ground to hose bed – bidders to state exact design | <input type="checkbox"/> |
| i. | Lights at each step | <input type="checkbox"/> |
| j. | Stop/turn/back up lights | <input type="checkbox"/> |
| k. | DOT clearance and marker lights | <input type="checkbox"/> |

**Manufacturer's
Base Vehicle
Standard
Equipment**

- | | | |
|----|--|--------------------------|
| l. | License plate light | <input type="checkbox"/> |
| m. | Rear deck lights | <input type="checkbox"/> |
| n. | Rub rail along each side of body and rear of body | <input type="checkbox"/> |
| o. | Running boards at each pump panel | <input type="checkbox"/> |
| p. | Brushed stainless steel or black non-glare aluminum pump panels | <input type="checkbox"/> |
| q. | Hose bed lighting must be provided per NFPA 1901 Chapter 13.10.2 | <input type="checkbox"/> |

7. EMERGENCY WARNING

- | | | |
|----|--|--------------------------|
| a. | NFPA Zone A lower and upper level lighting | <input type="checkbox"/> |
| b. | NFPA Zone B / D lower level lighting | <input type="checkbox"/> |
| c. | NFPA Zone C upper and lower level lighting | <input type="checkbox"/> |
| d. | Electronic 100 watt siren with 100 watt siren speaker, minimum | <input type="checkbox"/> |
| e. | All emergency warning lights, rear, stop/turn/back-up lights, DOT clearance, pump panel, compartment, step, license plate, perimeter scene and interior dome lights to be LED. | <input type="checkbox"/> |

8. PAINT FINISH

- | | | |
|----|--|--------------------------|
| a. | Body to be painted single tone with 10 year pro-rated paint and corrosion perforation warranty | <input type="checkbox"/> |
| b. | Wheels painted to match the cab and body | <input type="checkbox"/> |
| c. | Cab paint to be covered by cab manufacturer's paint warranty | <input type="checkbox"/> |

9. WARRANTY

- | | | |
|----|--|--------------------------|
| a. | 1 year bumper to bumper mechanical, excluding normal wear and tear items | <input type="checkbox"/> |
| b. | 10 year body structural | <input type="checkbox"/> |
| c. | 10 year paint pro-rated on body | <input type="checkbox"/> |
| d. | 10 year corrosion perforation on body | <input type="checkbox"/> |
| e. | OEM Chassis manufacturer's standard warranty | <input type="checkbox"/> |
| f. | 5 year fire pump warranty | <input type="checkbox"/> |
| g. | Lifetime warranty on water tank | <input type="checkbox"/> |

FLORIDA SHERIFFS ASSOCIATION, FLORIDA FIRE CHIEFS' ASSOCIATION, & FLORIDA ASSOCIATION OF COUNTIES

SPECIFICATION #17 – WILDLAND FIRE APPARATUS

ALL ITEMS FACTORY INSTALLED UNLESS OTHERWISE INDICATED

INSTRUCTIONS: In the first column labeled “Manufacturer’s Base Vehicle Standard Equipment”, check the applicable areas where the manufacturer’s base vehicle standard equipment meets the minimum specifications of the base vehicle bid.

Minimum Requirements: Note: In all areas of this specification bidders must comply with currently established NFPA 1906, FMVSS (applicable areas) and NHTSA standards. When requested, bidders must submit complete detailed specifications for the apparatus being offered, as well as all options, to the end user. Bidders are responsible for providing a chassis of sufficient GVWR to safely accommodate all options selected by the customer.

All bidders are to bid under the current NFPA 1906 standards, and all addendums that are currently in effect at the time of bidding.

The bidder is to understand that the Florida Sheriffs Association does not guarantee any quantity of vehicles will be ordered off this contract. The bidder will further understand that this program operates under a split bid award system which allows the end user authority to purchase from any of the responsive bidders authorized and awarded to do business off this contract. **The end user authority will contract directly and individually with the awarded bidder of their choice for any and all vehicles offered on this contract and any other features, options and equipment items required to meet their individual needs. Customers shall choose from options furnished to them by the manufacturer.**

Delivery of the vehicles shall be accomplished by factory or dealer drive away programs. However, the right is reserved for the individual end users to pick up the vehicles at either the factory or the dealership.

Prospective bidder(s) are advised that the following documentation is to be included and made a part of the bid submission. The Bid Coordinator reserves the right to disqualify any bidder(s) who are in non-compliance with this provision.

Bid Bond: A five percent (5%) Bid Bond issued by a bonding company licensed to conduct business in the state of Florida is required for base vehicle price and shall be provided as part of the bid package. Bid bond will be made out to the Florida Sheriffs Association as coordinator of this bid unless otherwise indicated or approved by FSA’s Bid Coordinator. In lieu of the 5% Bid Bond, a certified check for 5% of the total bid price to be delivered to the customer, at the discretion of the purchaser.

Performance Bond: The contractor is required to notify the customer of the availability of a one hundred percent performance bond at an additional cost to the customer. The company submitting the performance bond must have a minimum A rating as determined by A.M. Best Company. The cost of the performance bond will be based on the final price of the contract and must be provided to the customer in writing.

Note: A letter from a bonding company licensed to do business in Florida must be submitted with the bid stating that the manufacturer will provide a 100% Performance Bond between the bidder and the end user authority upon award of this bid.

The manufacturer of this vehicle:

- Shall carry not less than one million dollars (\$1,000,000.00) in product liability insurance, listing the Florida Sheriffs Association as additional insured, and shall submit a copy of this insurance with the bid proposal.
- Shall possess a Florida Motor Vehicle Department license as a Manufacturer of Motor Vehicles and shall provide a copy of the license with the bid proposal.
- Shall be or have a Florida Dealer Representative who shall possess a Florida Motor Vehicle Dealers license and shall provide a copy of the License with the bid proposal.
- Shall employ full-time parts personnel with toll-free access number.
- Shall employ a full-time electrical troubleshooter with toll-free access number.
- Shall employ a full-time warranty representative with toll-free access number.
- Bidder shall submit how warranty service claims will be handled in the State of Florida.

**Manufacturer's
Base Vehicle
Standard
Equipment**

1. DOCUMENTATION, DELIVERY, TRAINING

- | | |
|---|--------------------------|
| a. When requested by end user, bidders to accurately state wheelbase, cab to axle, overall length, bumper swing turn radius, curb-to-curb turning radius, overall height, overall width, GVWR, angle of approach, angle of departure in submitted specification | <input type="checkbox"/> |
| b. Approval drawings provided prior to construction commencement | <input type="checkbox"/> |
| c. Two (2) sets of operator and service manuals | <input type="checkbox"/> |
| d. Delivery to be F.O.B. customer's location | <input type="checkbox"/> |
| e. Vehicle weight measured by certified scale | <input type="checkbox"/> |

2. COMMERCIAL 2-DOOR CHASSIS

- | | |
|---|--------------------------|
| a. Cab to axle – 60" | <input type="checkbox"/> |
| b. GVWR – 19,000 lbs | <input type="checkbox"/> |
| c. Heavy service suspension | <input type="checkbox"/> |
| d. Turbo diesel engine with heavy duty cooling | <input type="checkbox"/> |
| e. Manufacturer's standard front and rear axles | <input type="checkbox"/> |
| f. Power steering | <input type="checkbox"/> |
| g. Tires – all season with steel wheels | <input type="checkbox"/> |
| h. Alternator(s) meeting 12-volt system requirements | <input type="checkbox"/> |
| i. Battery system to meet 12-volt system requirements | <input type="checkbox"/> |
| j. Fuel tank – minimum 40 gallon | <input type="checkbox"/> |
| k. Front tow hooks | <input type="checkbox"/> |
| l. Commercial chassis are to be current model. | <input type="checkbox"/> |

3. POWER TRAIN

- | | |
|------------------|--------------------------|
| a. Diesel engine | <input type="checkbox"/> |
|------------------|--------------------------|

**Manufacturer's
Base Vehicle
Standard
Equipment**

- b. Automatic transmission ☐
- c. OEM fuel tank, largest available ☐
- d. Limited slip differential, if available as standard equipment ☐

4. 2-DOOR CAB

- a. Seating for three (3) – full width vinyl bench seat ☐
- b. Single tone cab paint finish with OEM standard paint warranty ☐
- c. Air conditioning and heating ☐
- d. Mirrors with separate flat and convex sections – extended trailer towing mirrors ☐
- e. Dual type headlights ☐
- f. Forward facing turn and warning lights ☐
- g. Minimum two (2) under cab step lights ☐
- h. Engine compartment light ☐
- i. Slip resistant running boards under cab doors per NFPA 1906 ☐

5. FIRE PUMP & PLUMBING

- a. Minimum 18 HP gasoline engine driven pump (NFPA 1906) with electric start capable of 150 gpm @ 100 psi ☐
- b. Primer ☐
- c. Lighted pump control panel ☐
- d. Throttle ☐
- e. Pump cooler or recirculation line ☐
- f. 2-1/2" suction gated for drafting ☐
- g. 1" tank fill ☐
- h. One 1-1/2" discharge ☐
- i. One 1" discharge ☐
- j. Gauge package: Sight type water tank level in booster tank, single master pressure gauge ☐
- k. 300 gallon skid type polypropylene booster tank with lifetime warranty ☐
- l. 2 1/2" tank to pump connection ☐
- m. Minimum 8" square fill tower with minimum 4" overflow tube ☐
- n. Electric rewind hose reel with 1 50 ft. of 1" red rubber booster hose ☐

6. APPARATUS BODY

- a. Extruded aluminum or Formed Stainless steel all welded body with bolt on modular aluminum diamond plate compartments, two (2) per side ☐
- b. Bidders to state thickness, alloys and construction methods of all materials used in body construction ☐
- c. Bidders to accurately state the total cubic footage of compartment space, along with each compartment size ☐
- d. One (1) light in each compartment ☐
- e. Backup alarm ☐

**Manufacturer's
Base Vehicle
Standard
Equipment**

- | | | |
|----|--|--------------------------|
| f. | Stirrup type step for climbing from ground to flat bed – bidders to state exact design | <input type="checkbox"/> |
| g. | Lights at each step | <input type="checkbox"/> |
| h. | Stop/turn/backup lights | <input type="checkbox"/> |
| i. | DOT clearance and marker lights | <input type="checkbox"/> |
| j. | License plate light | <input type="checkbox"/> |
| k. | Rear deck lights | <input type="checkbox"/> |
| l. | No wood used in mounting | <input type="checkbox"/> |

7. EMERGENCY WARNING

- | | | |
|----|--|--------------------------|
| a. | Fully compliant with NFPA 1906, Wildland Fire Apparatus | <input type="checkbox"/> |
| b. | Electronic 100 watt siren with 100 watt siren speaker, minimum | <input type="checkbox"/> |
| c. | All emergency warning lights, rear, stop/turn/back-up lights, DOT clearance, pump panel, compartment, step, license plate, perimeter scene and interior dome lights to be LED. | <input type="checkbox"/> |

8. PAINT FINISH

- | | | |
|----|-------------------------------|--------------------------|
| a. | Apparatus body left unpainted | <input type="checkbox"/> |
|----|-------------------------------|--------------------------|

9. WARRANTY

- | | | |
|----|--|--------------------------|
| a. | One (1) year bumper to bumper mechanical, excluding normal wear and and tear items | <input type="checkbox"/> |
| b. | OEM Chassis manufacturer's standard warranty | <input type="checkbox"/> |

FLORIDA SHERIFFS ASSOCIATION, FLORIDA FIRE CHIEFS' ASSOCIATION, & FLORIDA ASSOCIATION OF COUNTIES

SPECIFICATION #18 – COMMERCIAL PUMPER 2 DOOR

ALL ITEMS FACTORY INSTALLED UNLESS OTHERWISE INDICATED

Minimum Requirements: In all areas of this specification bidders must comply with currently established NFPA 1901, applicable for pumper fire apparatus Chapter 5 and all other required chapters, FMVSS (applicable areas) and NHTSA standards. When requested, bidders must submit complete detailed specifications for the apparatus being offered, as well as all options, to the end user.

Documentation: Prospective bidder(s) are advised that the following documentation is to be included and made a part of the bid submission. The Bid Coordinator reserves the right to disqualify any bidder(s) who are in non-compliance with this provision.

- Each manufacturer shall provide proof positive evidence of Product Liability and Facility Insurance equal to or exceeding \$15,000,000.00. A copy of the current Product Liability Insurance Certificate shall be submitted with the bid.
- All bidders must offer proof positive evidence that they are a licensed Dealer and Manufacturer of motorized fire apparatus and/or motor vehicles in the State of Florida. Copies of the manufacturer's license and the dealer's license must be submitted with the bid.
- A minimum 5% Bid Bond shall be provided with the bid per specification bid for base vehicle price. An insurance company licensed to provide bond insurance in the State of Florida must supply the bid bond. The company who is submitting the bid bond must have an "A" Rating as a minimum requirement. The contractor is required to notify the customer of the availability of a one hundred percent performance bond at an additional cost to the customer. The company submitting the performance bond must have a minimum A rating as determined by A.M. Best Company. The cost of the performance bond will be based on the final price of the contract and must be provided to the customer in writing. The performance bond must be supplied by an insurance company licensed to provide bond insurance in the State of Florida.

Note: Bidder is to include a copy of a current performance bond with their bid submission.

**Manufacturer's
Base Vehicle
Standard
Equipment**

1. COMMERCIAL 2-DOOR CHASSIS

- a. Two wheel drive ☐
- b. 110,000 psi heat treated steel frame rail system ☐
- c. 12,000 pound minimum front axle, suspension, tubeless radial tires, steel disc wheels;
23,000 pound minimum rear axle, suspension, tubeless radial tires, steel disc wheels ☐
- d. Vehicle Data Recorder per Chapter 4.11 with required software ☐
- e. Electronic Stability Control shall be provided in compliance with NFPA 1901
Chapter 4.13.1.2 if the manufacturer cannot comply with Chapters 4.13.1.1 through
4.13.1.1.3.2. ☐
- f. Tire pressure monitoring system per Chapter 4.13.4 ☐
- g. Chrome or stainless steel front bumper ☐
- h. Tow hooks or eyes front and rear attached to the frame ☐
- i. Front and rear mud flaps ☐
- j. S-cam air brakes or equivalent, as large as possible, with automatic slack adjusters ☐
- k. Minimum 13.2 cfm gear driven air compressor ☐
- l. Air dryer, turn drain valves on reservoirs ☐
- m. ABS brakes ☐
- n. Power steering with tilt/telescopic wheel, if available ☐
- o. Aluminum wheels ☐
- p. Commercial chassis are to be current model. ☐

2. POWERTRAIN

- a. Minimum 330 horsepower turbocharged diesel engine, 850 lb.
torque rating, minimum ☐
- b. Engine exhaust at front of right rear wheels ☐
- c. Secondary engine braking ☐
- d. Drivelines to meet engine torque rating ☐
- e. Automatic transmission ☐
- f. 50 gallon minimum fuel tank ☐
- g. OEM oil, fuel, transmission filters ☐

3. 2-DOOR CAB

- a. Seating for two (2) – bucket style vinyl seats with NFPA compliant seat belts
and seat belt warning system ☐
- b. Console between seats for storage of radios, 12-volt switches, and
maps/notebooks ☐
- c. Air conditioning and heating ☐
- d. Engine compartment light ☐
- e. Dome/step lights meeting NFPA 1901 ☐
- f. Single tone cab paint finish with OEM standard paint warranty ☐
- g. Driver remote controlled mirrors with separate flat and convex sections ☐
- h. Dual type headlights ☐
- i. Forward facing turn and warning lights ☐
- j. Minimum two (2) under cab step lights ☐

**Manufacturer's
Base Vehicle
Standard
Equipment**

- | | | |
|----|--|--------------------------|
| k. | Cab and compartment door ajar light and buzzer | <input type="checkbox"/> |
| l. | Engine compartment light | <input type="checkbox"/> |
| m. | 270 amp alternator | <input type="checkbox"/> |
| n. | Minimum two (2) 750 CCA batteries | <input type="checkbox"/> |
| o. | Load manager with automatic high idle function | <input type="checkbox"/> |
| p. | Dual air horns with dual in-cab controls | <input type="checkbox"/> |
| q. | Receptacle near driver's door with onboard battery charger | <input type="checkbox"/> |

4. LIGHTS AND SIRENS

- | | | |
|----|---|--------------------------|
| a. | NFPA compliant warning lighting package – manufacturer's standard package | <input type="checkbox"/> |
| b. | Electronic 100 watt siren with 100 watt siren speaker, minimum | <input type="checkbox"/> |
| c. | All emergency warning lights, rear, stop/turn/back-up lights, DOT clearance, pump panel, compartment, step, license plate, perimeter scene, and interior dome lights to be LED. | <input type="checkbox"/> |

5. BODY

- | | | |
|----|---|--------------------------|
| a. | Bidders to bid on each of their offered construction types: | <input type="checkbox"/> |
| | • Extruded aluminum | |
| | • Formed aluminum | |
| | • Formed galvalume steel | |
| | • Formed stainless steel | |
| b. | Bidders to state thicknesses, alloys and construction methods of all materials used in body construction | <input type="checkbox"/> |
| c. | Minimum of 3 compartments driver side of body, full height compartments | <input type="checkbox"/> |
| d. | Minimum of 2 low side compartments right side of body | <input type="checkbox"/> |
| e. | Lights in compartments to meet NFPA 1901 Chapter 13.10.5 | <input type="checkbox"/> |
| f. | One (1) full height, full depth compartment rear of body | <input type="checkbox"/> |
| g. | Back up alarm | <input type="checkbox"/> |
| h. | Right side brackets for 24' 2-section, 14' roof, 10' attic ladders and 2 pike poles, ladders to be included | <input type="checkbox"/> |
| i. | Hose bed with hose restraints to be NFPA compliant; including one (1) adjustable divider | <input type="checkbox"/> |
| j. | Steps and handrails for climbing from ground to hose bed – bidders to state exact design | <input type="checkbox"/> |
| k. | Lights at each step | <input type="checkbox"/> |
| l. | Stop/turn/back up lights | <input type="checkbox"/> |
| m. | DOT clearance and marker lights | <input type="checkbox"/> |
| n. | License plate light | <input type="checkbox"/> |
| o. | Two (2) rear deck lights | <input type="checkbox"/> |
| p. | Rub rail along each side of body and rear of body | <input type="checkbox"/> |
| q. | Running boards at each pump panel | <input type="checkbox"/> |
| r. | Brushed stainless steel or black non-glare aluminum pump panels | <input type="checkbox"/> |
| s. | Hose bed lighting must be provided per NFPA 1901 Chapter 13.10.2 | <input type="checkbox"/> |
| t. | Minimum 4" reflective stripe on cab and body, chevron striping on rear of body per NFPA 1901 | <input type="checkbox"/> |

**Manufacturer's
Base Vehicle
Standard
Equipment**

6. PUMP

- a. 1250 gpm drive shaft driven split shaft pump per NFPA 1901 Chapter 16 ☐
- b. One 3" deck gun discharge ☐
- c. Four 2.5" discharge outlets (includes one (1) rear 2-1/2" discharge) ☐
- d. One 2.5" suction inlet on left pump panel ☐
- e. Two 6" steamer inlets with caps ☐
- f. Discharge and inlet pressure reliefs ☐
- g. Two 1.75" crosslays with 2" piping ☐
- h. One 3" tank to pump line ☐
- i. One 2" tank fill line ☐
- j. 30 degrees turn downs ☐
- k. Anti-vibration gauges ☐
- l. Color coded pump panel tags ☐
- m. Stainless steel plumbing with 10-year warranty ☐
- n. Side mount pump panel with all pump controls, instruments, and gauges located on the driver side pump panel (not in a compartment) ☐
- o. 15 ft. of soft suction hose sized for capacity of fire pump ☐

7. WATER TANK

- a. 750-gallon T-type tank (U.S.) poly. ☐
- b. Lifetime warranty ☐
- c. 12" x 12" fill tower ☐

8. COMPARTMENTS

- a. Manufacturer will submit cubic feet and size of compartments per request ☐

9. WARRANTY

- a. 1 year bumper to bumper mechanical, excluding normal wear and tear items ☐
- b. 10 year body structural ☐
- c. 10 year paint pro-rated on body ☐
- d. 10 year corrosion perforation on body ☐
- e. OEM Chassis manufacturer's standard warranty ☐
- f. 5 year fire pump warranty ☐
- g. Lifetime tank warranty ☐

**FLORIDA SHERIFFS ASSOCIATION, FLORIDA FIRE CHIEFS'
ASSOCIATION, & FLORIDA ASSOCIATION OF COUNTIES**

**SPECIFICATION #19 – LEVEL I CUSTOM PUMPER
MEDIUM 4 DOOR CUSTOM CHASSIS**

ALL ITEMS FACTORY INSTALLED UNLESS OTHERWISE INDICATED

Minimum Requirements: In all areas of this specification bidders must comply with currently established NFPA 1901, applicable for pumper fire apparatus Chapter 5 and all other required chapters, FMVSS (applicable areas) and NHTSA standards. When requested, bidders must submit complete detailed specifications for the apparatus being offered, as well as all options, to the end user.

Documentation: Prospective bidder(s) are advised that the following documentation is to be included and made a part of the bid submission. The Bid Coordinator reserves the right to disqualify any bidder(s) who are in non-compliance with this provision.

- Each manufacturer shall provide proof positive evidence of Product Liability and Facility Insurance equal to or exceeding \$15,000,000.00. A copy of the current Product Liability Insurance Certificate shall be submitted with the bid.
- All bidders must offer proof positive evidence that they are a licensed Dealer and Manufacturer of motorized fire apparatus and/or motor vehicles in the State of Florida. Copies of the manufacturer's license and the dealer's license must be submitted with the bid.
- A minimum 5% Bid Bond shall be provided with the bid per specification bid for base vehicle price. An insurance company licensed to provide bond insurance in the State of Florida must supply the bid bond. The company who is submitting the bid bond must have an "A" Rating as a minimum requirement. The contractor is required to notify the customer of the availability of a one hundred percent performance bond at an additional cost to the customer. The company submitting the performance bond must have a minimum A rating as determined by A.M. Best Company. The cost of the performance bond will be based on the final price of the contract and must be provided to the customer in writing. The performance bond must be supplied by an insurance company licensed to provide bond insurance in the State of Florida.

Note: Bidder is to include a copy of a current performance bond with their bid submission.

**Manufacturer's
Base Vehicle
Standard
Equipment**

1. CHASSIS

- a. 110,000 psi heat treated steel frame rail system ☐
- b. 10 gauge polished stainless steel 16" to 24" extended front bumper with aluminum diamond plate gravel shield ☐
- c. Tow hooks or eyes front and rear attached to the frame ☐
- d. 18,000 pound minimum front axle, suspension, tubeless radial tires, steel disc wheels ☐
- e. 24,000 pound minimum rear axle, suspension, tubeless radial tires, steel disc wheels ☐
- f. Front and rear mud flaps ☐
- g. NFPA 1901 Chapter 4.15.3 top speed rating requirement ☐
- h. S-cam air brakes or equivalent, as large as possible, with automatic slack adjusters ☐
- i. Manufacturer's standard compressor ☐
- j. Minimum 4200 cubic inch air reservoir capacity ☐
- k. Air dryer, color coded air lines, turn drain valves on reservoirs ☐
- l. ABS brakes ☐
- m. Power steering with tilt/telescopic wheel ☐
- n. Vehicle data recorder (VDR) in compliance with Chapter 4.11 with required software meeting 4.11.8 ☐
- o. Electronic Stability Control shall be provided in compliance with NFPA 1901 Chapter 4.13.1.2 if the manufacturer cannot comply with Chapters 4.13.1.1 through 4.13.1.1.3.2. ☐
- p. Tire pressure monitoring system with Chapter 4.13.4 ☐
- q. Aluminum wheels ☐

2. POWERTRAIN

- a. Minimum 350 horsepower turbocharged diesel engine with 1000 ft. lb. torque rating ☐
- b. Engine exhaust at front of right rear wheels ☐
- c. Secondary engine braking ☐
- d. Engine manufacturer's statement of engine installation approval with approved cooling system ☐
- e. Drivelines to meet engine torque rating ☐
- f. Silicone coolant hoses with constant torque clamps ☐
- g. Automatic transmission ☐
- h. 50 gallon minimum fuel tank ☐
- i. OEM oil, fuel, transmission filters ☐

3. CAB

- a. Manufacturer's standard medium length tilt aluminum cab meeting NFPA 1901 Chapter 14.3.2 ☐
- b. Seating for four, three in SCBA seats with SCBA brackets ☐
- c. Air ride driver seat, all others fixed position ☐
- d. All persons in 3-point seat belts per Chapter 14, seats equipped with seat belt/occupant detection/warning system per Chapter 14 ☐
- e. Electric over hydraulic cab tilt with manual back-up ☐
- f. Single tone cab paint finish with 10 year paint warranty pro-rated ☐

**Manufacturer's
Base Vehicle
Standard
Equipment**

- g. Air conditioning and heating ☐
- h. Remote controlled mirrors (from driver's position) with separate flat and convex sections ☐
- i. DOT compliant headlights ☐
- j. Forward facing turn and warning lights ☐
- k. Cornering turn and warning lights ☐
- l. Minimum four (4) dome lights with red and clear bulbs ☐
- m. Minimum four (4) under cab step lights ☐
- n. Cab and compartment door ajar light and buzzer ☐
- o. One (1) engine compartment light ☐
- p. Color coded and function coded wiring ☐
- q. Alternator sized according to amp draw report ☐
- r. Minimum four (4) 750 CCA batteries ☐
- s. Load manager with automatic high idle function ☐
- t. Dual air horns with dual in-cab controls ☐

4. LIGHTS AND SIRENS

- a. NFPA compliant upper and lower level warning light package ☐
- b. Electronic 100 watt siren, minimum ☐
- c. 100 watt siren speaker, minimum ☐
- d. Two rear deck lights ☐
- e. All emergency warning lights, rear, stop/turn/back-up lights, DOT clearance, pump panel, compartment, step, license plate, perimeter scene, and interior dome lights to be LED. ☐

5. BODY

- a. Bidders to bid on each of their offered construction types: ☐
 - Extruded aluminum
 - Formed aluminum
 - Formed galvalume steel
 - Formed stainless steel
- b. Bidders to state thicknesses, alloys and construction methods of all materials used in body construction ☐
- c. Minimum of 3 compartments driver side of body, full height compartments ☐
- d. Minimum of 2 low side compartments right side of body ☐
- e. Lights in compartments to meet NFPA 1901 Chapter 13.10.5 ☐
- f. One (1) full height, full depth compartment rear of body ☐
- g. Back up alarm ☐
- h. Right side brackets for 24' 2-section, 14' roof, 10' attic ladders and 2 pike poles, ladders to be included ☐
- i. Hose bed with hose restraints to be NFPA compliant; including one (1) adjustable divider ☐
- j. Steps and handrails for climbing from ground to hose bed – bidders to state exact design ☐
- k. Lights at each step ☐
- l. Stop/turn/back up lights ☐
- m. DOT clearance and marker lights ☐
- n. License plate light ☐
- o. Two (2) rear deck lights ☐
- p. Rub rail along each side of body and rear of body ☐

**Manufacturer's
Base Vehicle
Standard
Equipment**

- q. Running boards at each pump panel ☐
- r. Brushed stainless steel or black non-glare aluminum pump panels ☐
- s. Hose bed lighting must be provided per NFPA 1901 Chapter 13.10.2 ☐
- t. Minimum 4" reflective stripe on cab and body, chevron striping on rear of body per NFPA 1901 ☐

6. PUMP

- a. 1250 gpm drive shaft pump per NFPA 1901 Chapter 16 ☐
- b. One 3" deck gun discharge ☐
- c. Four 2.5" discharge outlets (includes one (1) rear 2-1/2" discharge) ☐
- d. One 2.5" suction inlet on left pump panel ☐
- e. Two 6" steamer inlets with caps ☐
- f. Discharge and inlet pressure reliefs ☐
- g. Two 1.75" crosslays with 2" piping ☐
- h. One 3" tank to pump line ☐
- i. One 2" tank fill line ☐
- j. 30 degrees turn downs ☐
- k. Anti-vibration gauges ☐
- l. Color coded pump panel tags ☐
- m. Stainless steel plumbing with 10-year warranty ☐
- n. Side mount pump panel with all pump controls, instruments, and gauges located on the drivers side pump panel (not in a compartment) ☐
- o. 15 ft. of soft suction hose sized for capacity of fire pump ☐

7. WATER TANK

- a. 750-gallon T-type tank (U.S.) poly. ☐
- b. Lifetime warranty ☐
- c. 12" x 12" fill tower ☐

8. COMPARTMENTS

- a. Manufacturer will submit cubic feet and size of compartments with bid. ☐

9. WARRANTY

- a. 1 year bumper to bumper mechanical, excluding normal wear and tear items ☐
- b. 10 year cab and body structural ☐
- c. 10 year paint pro-rated ☐
- d. 10 year corrosion perforation on cab and body ☐
- e. Lifetime frame warranty ☐
- f. 2 year axle warranty ☐
- g. 5 year engine warranty ☐
- h. 5 year transmission warranty ☐
- i. 5 year fire pump warranty ☐
- j. Lifetime booster tank ☐

**FLORIDA SHERIFFS ASSOCIATION, FLORIDA FIRE CHIEFS'
ASSOCIATION, & FLORIDA ASSOCIATION OF COUNTIES**

**SPECIFICATION #20 – LEVEL II CUSTOM PUMPER
MEDIUM 4 DOOR CUSTOM CHASSIS**

ALL ITEMS FACTORY INSTALLED UNLESS OTHERWISE INDICATED

Minimum Requirements: In all areas of this specification bidders must comply with currently established NFPA 1901, applicable for pumper fire apparatus Chapter 5 and all other required chapters, FMVSS (applicable areas) and NHTSA standards. When requested, bidders must submit complete detailed specifications for the apparatus being offered, as well as all options, to the end user.

Documentation: Prospective bidder(s) are advised that the following documentation is to be included and made a part of the bid submission. The Bid Coordinator reserves the right to disqualify any bidder(s) who are in non-compliance with this provision.

- Each manufacturer shall provide proof positive evidence of Product Liability and Facility Insurance equal to or exceeding \$15,000,000.00. A copy of the current Product Liability Insurance Certificate shall be submitted with the bid.
- All bidders must offer proof positive evidence that they are a licensed Dealer and Manufacturer of motorized fire apparatus and/or motor vehicles in the State of Florida. Copies of the manufacturer's license and the dealer's license must be submitted with the bid.
- A minimum 5% Bid Bond shall be provided with the bid per specification bid for base vehicle price. An insurance company licensed to provide bond insurance in the State of Florida must supply the bid bond. The company who is submitting the bid bond must have an "A" Rating as a minimum requirement. The contractor is required to notify the customer of the availability of a one hundred percent performance bond at an additional cost to the customer. The company submitting the performance bond must have a minimum A rating as determined by A.M. Best Company. The cost of the performance bond will be based on the final price of the contract and must be provided to the customer in writing. The performance bond must be supplied by an insurance company licensed to provide bond insurance in the State of Florida.

Note: Bidder is to include a copy of a current performance bond with their bid submission.

**Manufacturer's
Base Vehicle
Standard
Equipment**

1. CHASSIS

- a. 110,000 psi steel frame rail system ☐
- b. 10 gauge polished stainless steel 16" to 24" extended front bumper with aluminum diamond plate gravel shield, 1-1/2 front jump line with enclosed compartment in center of front bumper to hold minimum 100' of 1-3/4 DJ fire hose ☐
- c. Tow hooks or eyes front and rear attached to the frame ☐
- d. 20,000 pound minimum front axle, suspension, tubeless radial tires, polished aluminum wheels with hub and lug trim package ☐
- e. 24,000 pound minimum rear axle, suspension, tubeless radial tires, polished aluminum wheels with hub and lug trim package ☐
- f. Front and rear mud flaps ☐
- g. NFPA 1901 Chapter 4.15.3 top speed rating requirement ☐
- h. S-cam air brakes or equivalent, as large as possible, with automatic slack adjusters ☐
- i. Manufacturer's standard compressor ☐
- j. Minimum 5000 cubic inch air reservoir capacity ☐
- k. Air dryer, color coded air lines, turn drain valves on reservoirs ☐
- l. ABS brakes ☐
- m. Power steering with tilt/telescopic wheel ☐
- n. Vehicle data recorder (VDR) in compliance with Chapter 4.11 with required software meeting 4.11.8 ☐
- o. Electronic Stability Control shall be provided in compliance with NFPA 1901 Chapter 4.13.1.2 if the manufacturer cannot comply with Chapters 4.13.1.1 through 4.13.1.1.3.2. ☐
- p. Tire pressure monitoring system with Chapter 4.13.4 ☐

2. POWERTRAIN

- a. Turbocharged diesel engine with a minimum 400 horsepower and 1450 ft. lbs. torque rating ☐
- b. Engine exhaust at front of right rear wheels ☐
- c. Secondary braking ☐
- d. Engine manufacturer's statement of engine installation approval with approved cooling system ☐
- e. Drivelines to meet engine torque rating ☐
- f. Silicone coolant hoses with constant torque clamps ☐
- g. EVS 4000 or equivalent automatic transmission ☐
- h. 65 gallon minimum fuel tank ☐
- i. OEM oil, fuel, transmission filters ☐

3. CAB

- a. Extended length tilt aluminum cab (minimum 65" from center of front axle to rear of cab) with minimum 10" raised rear roof meeting NFPA 1901 Chapter 14.3.2 ☐

**Manufacturer's
Base Vehicle
Standard
Equipment**

- b. Seating for six, five in SCBA seats with SCBA brackets ☐
- c. Air ride driver seat, all others fixed position ☐
- d. All persons in 3-point seat belts per Chapter 14, seats equipped with seat belt/occupant detection/warning system per Chapter 14 ☐
- e. Electric over hydraulic cab tilt with manual back-up ☐
- f. Single tone cab paint finish with 10 year paint warranty pro-rated ☐
- g. Air conditioning and heating ☐
- h. Remote controlled mirrors (from driver's position) with separate flat and convex sections ☐
- i. DOT compliant headlights with LED marker and clearance lights ☐
- j. LED forward facing turn and warning lights ☐
- k. LED cornering turn and warning lights ☐
- l. Minimum four (4) dome lights with red and clear bulbs ☐
- m. Minimum four (4) under cab step lights ☐
- n. Cab and compartment door ajar light and buzzer ☐
- o. One (1) engine compartment light ☐
- p. Color coded and function coded wiring ☐
- q. Minimum 320 amp alternator ☐
- r. Minimum four (4) 750 CCA batteries ☐
- s. Load manager with automatic high idle function ☐
- t. Dual air horns with dual in-cab controls ☐

4. LIGHTS AND SIRENS

- a. NFPA LED compliant lighting package, upper and lower ☐
- b. 100 watt Siren, minimum ☐
- c. Mechanical siren with dual controls ☐
- d. Two 100-watt siren speakers, minimum ☐
- e. Two rear deck lights ☐
- f. 8kW hydraulic generator, 6-place breaker panel, (2) 750 watt telescopic lights mounted on body, ☐
- g. All emergency warning lights, rear, stop/turn/back-up lights, DOT clearance, pump panel, compartment, step, license plate, perimeter scene, and interior dome lights to be LED. ☐

5. BODY

- a. Bidders to bid on each of their offered construction types: ☐
 - Extruded aluminum
 - Formed aluminum
 - Formed galvalume steel
 - Formed stainless steel
- b. Bidders to state thicknesses, alloys and construction methods of all materials used in body construction ☐
- c. Three full height, full depth rescue style compartments on drivers side ☐
- d. Three full height, full depth lower, half-depth upper rescue style compartments passenger side of body ☐
- e. Lights in compartments to meet NFPA 1901 Chapter 13.10.5 ☐
- f. One (1) full height, full depth compartment rear of body ☐
- g. Back up alarm ☐

**Manufacturer's
Base Vehicle
Standard
Equipment**

- h. Internal ladder storage compartment right rear of body, to hold NFPA complement of ground ladders and two (2) pike poles ☐
- i. Hose bed with hose restraints to be NFPA compliant; including one (1) adjustable divider; minimum hosebed size of 70 cubic feet of usable storage ☐
- j. Steps and handrails for climbing from ground to hose bed – bidders to state exact design ☐
- k. Lights at each step ☐
- l. LED stop/turn/back up lights ☐
- m. LED DOT clearance and marker lights ☐
- n. LED license plate light ☐
- o. Minimum of 4 SCBA bottle storage compartments in rear wheel wells ☐
- p. Rub rail along each side of body with reflective stripe in rub rail ☐
- q. Running boards at each pump panel with a recessed hose well with hose restraint strap in the passenger side running board ☐
- r. Brushed stainless steel or black non-glare aluminum pump panels ☐
- s. Hose bed lighting must be provided per NFPA 1901 Chapter 13.10.2 ☐
- t. Minimum 4" reflective stripe on cab and body, chevron striping on rear of body per NFPA 1901 ☐
- u. Four (4) aluminum adjustable shelves, located by customer ☐
- v. Two (2) floor mounted aluminum roll-out trays, minimum 250 lb. capacity each, located by customer ☐
- w. Equipment package: One 10' folding attic ladder, one 14' roof ladder, one 24' 2-section extension ladder, two 10' pike poles ☐

6. PUMP

- a. 1500 gpm drive shaft pump with side mount pump panel per NFPA 1901 Chapter 16 ☐
- b. One 3" deck gun discharge ☐
- c. Four 2.5" discharge outlets (includes one (1) rear 2-1/2" discharge) ☐
- d. One 2.5" suction inlet on left pump panel ☐
- e. Two 6" steamer inlets with caps ☐
- f. Discharge and inlet pressure reliefs ☐
- g. Two 1.75" crosslays with 2" piping ☐
- h. One 3" tank to pump line ☐
- i. One 2" tank fill line ☐
- j. 30 degrees turn downs on all 2-1/2" or larger discharges ☐
- k. Anti-vibration gauges ☐
- l. Color coded pump panel tags ☐
- m. Stainless steel plumbing with 10-year warranty ☐
- n. One 4" LDH discharge, right side pump panel, hand wheel control with 4" discharge valve and piping ☐

7. WATER TANK

- a. 750-gallon rectangular tank (U.S.) poly. ☐

- 10

a. Manufacturer will submit cubic feet and size of compartments with bid.

- a. 1 year bumper to bumper mechanical, excluding normal wear and tear items
- b. 10 year cab and body structural
- c. 10 year paint pro-rated
- d. 10 year corrosion perforation on cab and body
- e. Lifetime frame warranty
- f. 2 year axle warranty
- g. 5 year engine warranty
- h. 5 year transmission warranty
- i. 5 year fire pump warranty
- j. Lifetime booster tank

- 1 2 3 4 5 6 7 8 9 10 11 12

