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.

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

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 galvanneal 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

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.

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

I affirm that my bid is inclusive of all requirements listed within this specification and that we will supply the items listed, at the prices bid.

Bidding Company: SUTPHEN Bidder Name: David Stonitsch

Bidder Title: Dealer Bidder Signature: David Stonitsch

Digitally signed by David Stonitsch
DN: cn=David Stonitsch gn=David Stonitsch c=United States l=Ft. o=South Florida Emergency Vehicles
ou=Sales Manager
Reason: I am the author of this document
Location:
Date: 2018.03.29 09:09:42-00

Date Signed: April 6 2018

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

Bidding Company: SUTPHEN

Manufacturer	**Chassis Make/ Model**	**Ladder Type**	**Body Type**	**Base Price** Discount Included	**% Discount Off MSRP**	**Build Sheet** Insert name of USB file
SUTPHEN	MONARCH FSA20		EXT ALUM	475,390	15	PHEN.MONARCHFSA20.EXTALUM
SUTPHEN	MONARCH FSA20		STS	517,440	15	JTPHEN.MONARCHFSA20.STS.PD

David Stonitsch

Digitally signed by David Stonitsch
DN: cn=David Stonitsch gn=David Stonitsch c=United States l=US o=South Florida Emergency Vehicles e=dstonitsch@hotmail.com
Reason: I am the author of this document
Location:
Date: 2018-03-29 09:56-04:00

Prices are to be rounded to whole dollars (100.00)

Percentage discounts are to be whole number percentages (10%)

Indicate the name of the build sheet file from your USB in the Build Sheet column for each vehicle