

# ALSIP FIRE DEPT. BID SPECIFICATIONS

## FORD F550 MINI-PUMPER

ALSIP FD SPECIFICATIONS	BIDDER COMPLIES	Yes	No
<p><b>INTENT OF SPECIFICATIONS:</b> It shall be the intent of these specifications to cover the furnishing and delivery of a complete fire apparatus. The detailed specifications cover the requirements as to the type of construction, finish, and tests to which the fire apparatus shall conform. Minor details of construction and materials, which are not otherwise specified, are left to the discretion of the contractor</p>			
<p><b>INSTRUCTIONS TO BIDDERS:</b> Bids shall only be considered from companies that ensure fair, ethical, and legal competition, neither the original equipment manufacturer nor the parent company of the O.E.M shall have ever been fined or convicted of price fixing, bid rigging, or collusion in any domestic or international fire apparatus market. <b>NO EXCEPTIONS</b></p> <p>Each Bid shall be accompanied by a set of manufacturer's set of specifications and drawings.</p> <p>The purchaser's specification shall, in all cases, govern the construction of the apparatus, unless a properly documented exception or deviation was approved. Any bid indicating that the manufacturer's proposal shall supersede the purchaser's specification will be considered a complete substitute and will be immediately rejected.</p> <p>No demonstrator vehicle or specifications that deviate from this set of specifications will be considered.</p> <p>THE ALSIP FIRE DEPT. HAS THE RIGHT TO REJECT ANY BIDS WHICH DOES NOT MEET THESE SPECIFICATIONS AND IS THE SOLE DECIDER TO DEEM WHICH BID IS IN THE BEST INTEREST OF THE ALSIP FIRE DEPARTMENT</p>			
<p><b>EXCEPTIONS:</b> These specifications are based upon design and performance criteria that were researched and analyzed by the Alsip Fire Dept. These specifications reflect only the type of apparatus that is acceptable to the Alsip Fire Dept. Therefore, exceptions to these specifications may not be accepted.</p> <p>Since a Ford F550 Chassis is commercially available to every vendor, the Ford F550 Specifications in this document are to be followed exactly. <b>NO EXCEPTIONS</b></p> <p>Regarding the body, if a product brand name is specified and commercially available to all bidders, an exception to such items is not acceptable and such a bid may be rejected.</p> <p>Exceptions on the body shall be allowed if they are equal to or superior to that specified, provided they are listed and fully explained on a separate page. The separate page shall be labeled as "Exceptions to Specifications Page" and attached to the proposal on the last page of the Alsip FD Specifications.</p>			
<p><b>SERVICE &amp; WARRANTY SUPPORT:</b> TO INSURE FULL SERVICE AFTER DELIVERY, THE SELLING BIDDER/DEALERSHIP MUST BE CAPABLE OF PROVIDING SERVICE AND A CERTIFIED DEALERSHIP IN THE STATE OF ILLINOIS</p>			

## ALSIP FIRE DEPT. BID SPECIFICATIONS FORD F550 MINI-PUMPER

ALSIP FD SPECIFICATIONS	BIDDER COMPLIES	
	Yes	No
The bidder/dealership shall show that the company is able to render prompt service, body shop capable, and able to furnish replacement parts. The Selling Bidder / Dealership shall have a Service Center with-in 35 miles of the Alsip Fire Dept. Headquarters. <b>NO EXCEPTIONS</b>		
<b>APPROVAL DRAWING:</b> A drawing of the apparatus shall be furnished & signed by Alsip FD before construction begins		
<b>Pre-Construction Conference:</b> A Pre-Construction Conference shall be completed via Video Conference w/ Alsip Fire Dept. members, Selling Bidder and O.E.M Manufacturer. This shall be completed within 30 days of awarding the bid.		
<b>Final Inspection:</b> A final inspection shall be furnished by the Selling Bidder / Dealership to review the built fire apparatus for 2 Alsip Fire Dept. Personnel. All means of transportation, lodging and meals shall be paid for by the Selling Bidder/ Dealership and be included in this proposal.		
<b>Warranty:</b> A 2 year bumper to bumper warranty shall be provided from O.E.M. Body Manufacturer and the Standard Ford Warranty on the Chassis.		

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2022 F-550 Chassis 4x4 SD Crew Cab 203" WB DRW XL (W5H)

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## As Configured Vehicle

Code	Description
<b>Base Vehicle</b>	
W5H	Base Vehicle Price (W5H)
<b>Packages</b>	
660A	<p>Order Code 660A</p> <p><i>Includes:</i></p> <ul style="list-style-type: none"> <li>- Engine: 7.3L 2V DEVCT NA PFI V8 Gas</li> <li>- Transmission: TorqShift 10-Speed Automatic</li> <li>- Includes neutral idle and selectable drive modes: normal, tow/haul, eco, deep sand/snow and slippery.</li> <li>- Tires: 225/70R19.5G BSW A/P</li> <li>- Wheels: 19.5" x 6" Argent Painted Steel</li> <li>- Hub covers/center ornaments not included.</li> <li>- HD Vinyl 40/20/40 Split Bench Seat</li> <li>- Includes center armrest, cupholder and driver's side manual lumbar.</li> <li>- Radio: AM/FM Stereo w/MP3 Player</li> <li>- Includes 6 speakers.</li> <li>- SYNC Communications &amp; Entertainment System</li> <li>- Includes enhanced voice recognition, 911 Assist, 4.2" LCD center stack screen, AppLink, 1 smart-charging USB-C port and steering wheel audio controls.</li> </ul>
<b>Powertrain</b>	
99N	Engine: 7.3L 2V DEVCT NA PFI V8 Gas
44G	<p>Transmission: TorqShift 10-Speed Automatic</p> <p><i>Includes neutral idle and selectable drive modes: normal, tow/haul, eco, deep sand/snow and slippery.</i></p>
X8L	Limited Slip w/4.88 Axle Ratio
68M	<p>GVWR: 19,500 lb Payload Plus Upgrade Package</p> <p><i>Includes upgraded frame, rear-axle and low deflection/high capacity springs. Increases max RGAWR to 14,706. Note: See Order Guide Supplemental Reference for further details on GVWR.</i></p>
<b>Wheels &amp; Tires</b>	
TGJ	Tires: 225/70R19.5G BSW A/P
64Z	<p>Wheels: 19.5" x 6" Argent Painted Steel</p> <p><i>Hub covers/center ornaments not included.</i></p>
945	<p>Stainless Steel Wheel Covers (Pre-Installed)</p> <p><i>Custom accessory. Front and rear.</i></p>
<b>Seats &amp; Seat Trim</b>	

# ALSIP FIRE DEPT. BID SPECIFICATIONS FORD F550 MINI-PUMPER

2022 F-550 Chassis 4x4 SD Crew Cab 203" WB DRW XL (W5H)

## As Configured Vehicle (cont'd)

Code	Description
A	<p>HD Vinyl 40/20/40 Split Bench Seat</p> <p><i>Includes center armrest, cupholder and driver's side manual lumbar.</i></p>
<b>Other Options</b>	
PAINT	Monotone Paint Application
203WB	203" Wheelbase
STDRD	<p>Radio: AM/FM Stereo w/MP3 Player</p> <p><i>Includes 6 speakers.</i></p> <p><i>Includes:</i></p> <ul style="list-style-type: none"> <li>- SYNC Communications &amp; Entertainment System</li> <li>- Includes enhanced voice recognition, 911 Assist, 4.2" LCD center stack screen, AppLink, 1 smart-charging USB-C port and steering wheel audio controls.</li> </ul>
90L	<p>Power Equipment Group</p> <p><i>Deletes passenger side lock cylinder. Includes upgraded door-trim panel.</i></p> <p><i>Includes:</i></p> <ul style="list-style-type: none"> <li>- Accessory Delay</li> <li>- Advanced Security Pack</li> <li>- Includes SecuriLock Passive Anti-Theft System (PATS) and inclination/intrusion sensors.</li> <li>- Manual Telescoping Folding Trailer Tow Mirrors</li> <li>- Includes power/heated glass and heated convex spotter mirror.</li> <li>- MyKey</li> <li>- Includes owner controls feature.</li> <li>- Power Front &amp; Rear Side Windows</li> <li>- Includes 1-touch up/down driver/passenger window.</li> <li>- Power Locks</li> <li>- Remote Keyless Entry</li> </ul>
67P	<p>Extra Heavy-Duty Front End Suspension - 7,500 GAWR</p> <p><i>Includes upgraded front axle and max 7,500 lbs. Front springs/GAWR rating for configuration selected. Incomplete vehicle package - requires further manufacture and certification by a final stage manufacturer.</i></p>
41H	Engine Block Heater
86M	Dual 78 AH Battery
67B	397 Amp Alternator
<b>Fleet Options</b>	
17F	<p>XL Decor Group (LPO)</p> <p>Requires valid FIN code.</p> <p><i>Includes:</i></p> <ul style="list-style-type: none"> <li>- Chrome Front Bumper</li> </ul>

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## As Configured Vehicle (cont'd)

<b>Code</b>	<b>Description</b>
<b>Emissions</b>	
425	50-State Emissions System
<b>Interior Colors</b>	
AS_01	Medium Earth Gray
<b>Primary Colors</b>	
PQ_01	Race Red

# ALSIP FIRE DEPT. BID SPECIFICATIONS

## FORD F550 MINI-PUMPER

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2022 F-550 Chassis 4x4 SD Crew Cab 203" WB DRW XL (W5H)

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### Selected Equip & Specs

#### Dimensions

- Exterior length: 289.2"
- Exterior width: 80.0"
- Wheelbase: 203.0"
- Rear track: 74.0"
- Rear tire outside width: 93.9"
- Front legroom: 43.9"
- Front headroom: 40.8"
- Front hiproom: 62.5"
- Front shoulder room: 66.7"
- Passenger volume: 131.7cu.ft.
- Maximum cargo volume: 52.1cu.ft.
- Cab to axle: 84.0"
- Exterior height: 81.7"
- Front track: 74.8"
- Turning radius: 28.6'
- Min ground clearance: 8.2"
- Rear legroom: 43.6"
- Rear headroom: 40.4"
- Rear hiproom: 64.7"
- Rear shoulder room: 65.9"
- Cargo volume: 52.1cu.ft.

#### Powertrain

- \* **350hp 7.3L OHV 16 valve V-8 engine with DEVCT variable valve control, SMPI**
- federal
- Part-time
- Fuel Economy City: N/A
- Recommended fuel : regular unleaded
- TorqShift 10 speed automatic transmission with overdrive
- \* **Limited slip differential**
- Fuel Economy Highway: N/A

#### Suspension/Handling

- Front Mono-beam non-independent suspension with anti-roll bar, HD shocks
- Firm ride Suspension
- Front and rear 19.5 x 6 argent steel wheels
- Dual rear wheels
- \* **Rear DANA 130 rigid axle leaf spring suspension with anti-roll bar, HD shocks**
- Hydraulic power-assist re-circulating ball Steering
- LT225/70SR19.5 GBSW AS front and rear tires

#### Body Exterior

- 4 doors
- Conventional right rear passenger
- Black door mirrors
- Trailer harness
- Front and rear 19.5 x 6 wheels
- Conventional left rear passenger
- Driver and passenger , manual folding door mirrors
- \* **Chrome bumpers**
- Clearcoat paint
- 2 front tow hook(s)

#### Convenience

- Manual air conditioning with air filter
- \* **Driver and passenger 1-touch up**
- \* **Power windows**
- \* **Driver and passenger 1-touch down**

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## FORD F550 MINI-PUMPER

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2022 F-550 Chassis 4x4 SD Crew Cab 203" WB DRW XL (W5H)

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### Selected Equip & Specs (cont'd)

- \* **Remote power door locks with 2 stage unlock and illuminated entry**
- Manual telescopic steering wheel
- FordPass Connect 4G internet access
- Wireless phone connectivity
- 2 1st row LCD monitors
- Passenger visor mirror
- \* **Driver and passenger door bins**
- Upfitter switches
- Manual tilt steering wheel
- Day-night rearview mirror
- Emergency SOS
- AppLink smart device integration
- Front and rear cupholders
- Full overhead console
- \* **Rear door bins**

### Seats and Trim

- Seating capacity of 6
- 4-way driver seat adjustment
- 4-way passenger seat adjustment
- 60-40 folding rear split-bench seat
- Front 40-20-40 split-bench seat
- Manual driver lumbar support
- Centre front armrest

### Entertainment Features

- AM/FM stereo radio
- Steering wheel mounted radio controls
- Streaming audio
- SYNC external memory control
- 4 speakers
- Fixed antenna

### Lighting, Visibility and Instrumentation

- Halogen aero-composite headlights
- Fully automatic headlights
- Light tinted windows
- Tachometer
- Compass
- Trip computer
- Delay-off headlights
- Variable intermittent front windshield wipers
- Front and rear reading lights
- Oil pressure gauge
- Outside temperature display
- Trip odometer

### Safety and Security

- 4-wheel ABS brakes
- 4-wheel disc brakes
- Dual front impact airbag supplemental restraint system
- Safety Canopy System curtain 1st and 2nd row overhead airbag supplemental restraint system
- \* **Power remote door locks with 2 stage unlock and panic alarm**
- \* **MyKey restricted driving mode**
- Brake assist
- Driveline traction control
- Dual seat mounted side impact airbag supplemental restraint system
- \* **Remote activated perimeter/approach lighting**
- \* **Security system with SecuriLock immobilizer**
- Manually adjustable front head restraints



# ALSIP FIRE DEPT. BID SPECIFICATIONS FORD F550 MINI-PUMPER

2022 F-550 Chassis 4x4 SD Crew Cab 203" WB DRW XL (W5H)

## Selected Equip & Specs (cont'd)

- 3 manually adjustable rear head restraints

### Dimensions

#### General Weights

* Curb .....	<b>7,643 lbs.</b>	* GVWR .....	<b>19,500 lbs.</b>
* Payload .....	<b>11,900 lbs.</b>		

#### Front Weights

* Front GAWR .....	<b>7,500 lbs.</b>	* Front curb weight .....	<b>4,414 lbs.</b>
* Front axle capacity .....	<b>7,500 lbs.</b>	* Front spring rating .....	<b>7,500 lbs.</b>
Front tire/wheel capacity .....	7,500 lbs.		

#### Rear Weights

* Rear GAWR .....	<b>14,706 lbs.</b>	* Rear curb weight .....	<b>3,229 lbs.</b>
* Rear axle capacity .....	<b>14,706 lbs.</b>	* Rear spring rating .....	<b>15,000 lbs.</b>
Rear tire/wheel capacity .....	15,000 lbs.		

#### Trailer Type

Harness .....	Yes	Trailer sway control .....	Yes
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#### General Trailering

5th-wheel towing capacity .....	19300 lbs.	Gooseneck towing capacity .....	19300 lbs.
Towing capacity .....	18340 lbs.	GCWR .....	28000 lbs.

#### Fuel Tank type

Capacity .....	40 gal.
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#### Off Road

Min ground clearance .....	8 "
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#### Interior cargo

Cargo volume .....	52.1 cu.ft.	Maximum cargo volume .....	52.1 cu.ft.
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#### Rear Frame

Height loaded .....	29 "	Height unloaded .....	34 "
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### Powertrain

#### Engine Type

Block material .....	Iron	Cylinders .....	V-8
Head material .....	Aluminum	Ignition .....	Spark
Injection .....	Sequential MPI	Liters .....	7.3L

# ALSIP FIRE DEPT. BID SPECIFICATIONS FORD F550 MINI-PUMPER

2022 F-550 Chassis 4x4 SD Crew Cab 203" WB DRW XL (W5H)

## Selected Equip & Specs (cont'd)

Orientation .....	Longitudinal	Recommended fuel .....	Regular unleaded
Valves per cylinder .....	2	Valvetrain .....	OHV
Variable valve control .....	DEVCT		
<b>Engine Spec</b>			
Bore .....	4.21"	Compression ratio .....	10.5:1
Displacement .....	445 cu.in.	Stroke .....	3.98"
<b>Engine Power</b>			
SAEJ1349 AUG2004 compliant .....	Yes	Output .....	350 HP @ 3,900 RPM
Torque .....	468 ft.-lb @ 3,900 RPM		
<b>Alternator</b>			
*Type .....	Dual	*Amps .....	397
<b>Battery</b>			
Amp hours .....	78	Cold cranking amps .....	750
Run down protection .....	Yes	*Type .....	Dual
<b>Engine Extras</b>			
*Block heater .....	Yes		
<b>Transmission</b>			
Electronic control .....	Yes	Lock-up .....	Yes
Overdrive .....	Yes	Speed .....	10
Type .....	Automatic		
<b>Transmission Gear Ratios</b>			
1st .....	4.696	2nd .....	2.985
3rd .....	2.146	4th .....	1.769
5th .....	1.52	6th .....	1.275
7th .....	1	8th .....	0.854
9th .....	0.689	10th .....	0.616
Reverse Gear ratios .....	4.866		
<b>Transmission Extras</b>			
Driver selectable mode .....	Yes	Sequential shift control .....	SelectShift
Oil cooler .....	Regular duty		
<b>Drive Type</b>			
4wd type .....	Part-time	Type .....	Four-wheel
<b>Drive Feature</b>			
*Limited slip differential .....	Mechanical	Traction control .....	Driveline

# ALSIP FIRE DEPT. BID SPECIFICATIONS FORD F550 MINI-PUMPER

2022 F-550 Chassis 4x4 SD Crew Cab 203" WB DRW XL (W5H)

## Selected Equip & Specs (cont'd)

Locking hub control .....	Auto	Transfer case shift .....	Electronic
<i>Drive Axle</i>			
Ratio .....	4.88		
<i>Exhaust</i>			
Material .....	Stainless steel	System type .....	Single
<i>Emissions</i>			
CARB .....	Federal		
<i>Fuel Economy</i>			
Fuel type .....	Gasoline		
<b>Driveability</b>			
<i>Brakes</i>			
ABS .....	4-wheel	ABS channels .....	3
Type .....	4-wheel disc	Vented discs .....	Front and rear
<i>Brake Assistance</i>			
Brake assist .....	Yes		
<i>Suspension Control</i>			
Ride .....	Firm		
<i>Front Suspension</i>			
Independence .....	Mono-beam non-independent	Anti-roll bar .....	Regular
<i>Front Spring</i>			
Type .....	Coil	*Grade .....	HD
<i>Front Shocks</i>			
Type .....	HD		
<i>Rear Suspension</i>			
*Independence .....	DANA 130 rigid axle	Type .....	Leaf
Anti-roll bar .....	Regular		
<i>Rear Spring</i>			
Type .....	Leaf	Grade .....	HD
<i>Rear Shocks</i>			
Type .....	HD		
<i>Steering</i>			

# ALSIP FIRE DEPT. BID SPECIFICATIONS FORD F550 MINI-PUMPER

2022 F-550 Chassis 4x4 SD Crew Cab 203" WB DRW XL (W5H)

## Selected Equip & Specs (cont'd)

Activation ..... Hydraulic power-assist

Type ..... Re-circulating ball

### Steering Specs

# of wheels ..... 2

### Exterior

#### Front Wheels

Diameter ..... 19.5"

Width ..... 6.00"

#### Rear Wheels

Diameter ..... 19.5"

Width ..... 6.00"

Dual ..... Yes

#### Front and Rear Wheels

Appearance ..... Argent

Material ..... Steel

\* Covers ..... **Stainless steel**

#### Front Tires

Aspect ..... 70

Diameter ..... 19.5"

Sidewalls ..... BSW

Speed ..... S

Tread ..... AS

Type ..... LT

Width ..... 225mm

LT load rating ..... G

RPM ..... 647

#### Rear Tires

Aspect ..... 70

Diameter ..... 19.5"

Sidewalls ..... BSW

Speed ..... S

Tread ..... AS

Type ..... LT

Width ..... 225mm

LT load rating ..... G

RPM ..... 647

#### Wheels

Front track ..... 74.8"

Rear track ..... 74.0"

Turning radius ..... 28.6'

Wheelbase ..... 203.0"

Rear tire outside width ..... 93.9"

#### Body Features

Front splash guards ..... Yes

Body material ..... Aluminum

Side impact beams ..... Yes

Front tow hook(s) ..... 2

#### Body Doors

Door count ..... 4

Left rear passenger ..... Conventional

Right rear passenger ..... Conventional

# ALSIP FIRE DEPT. BID SPECIFICATIONS FORD F550 MINI-PUMPER

2022 F-550 Chassis 4x4 SD Crew Cab 203" WB DRW XL (W5H)

## Selected Equip & Specs (cont'd)

### *Exterior Dimensions*

Length .....	289.2"	Body width .....	80.0"
Body height .....	81.7"	Cab to axle .....	84.0"
Axle to end of frame .....	47.2"	<b>* Frame section modulus .....</b>	<b>17.2cu.in.</b>
Frame yield strength (psi) .....	50000.0	Frame rail width .....	34.2"
Front bumper to Front axle .....	38.3"	Cab to end of frame .....	131.2"
Front bumper to back of cab .....	158.1"		

### **Safety**

#### *Airbags*

Driver front-impact .....	Yes	Driver side-impact .....	Seat mounted
Overhead .....	Safety Canopy System curtain 1st and 2nd row	Passenger front-impact .....	Yes
Passenger side-impact .....	Seat mounted		

#### *Seatbelt*

Height adjustable .....

Front

#### *Security*

<b>* Immobilizer .....</b>	<b>SecuriLock</b>	<b>* Panic alarm .....</b>	<b>Yes</b>
<b>* Restricted driving mode .....</b>	<b>MyKey</b>		

### **Seating**

#### *Passenger Capacity*

Capacity .....

6

#### *Front Seats*

Split .....

40-20-40

Type .....

Split-bench

#### *Driver Seat*

Fore/aft .....

Manual

Reclining .....

Manual

Way direction control .....

4

Lumbar support .....

Manual

#### *Passenger seat*

Fore/aft .....

Manual

Reclining .....

Manual

Way direction control .....

4

#### *Front Head Restraint*

Control .....

Manual

Type .....

Adjustable

#### *Front Armrest*

# ALSIP FIRE DEPT. BID SPECIFICATIONS FORD F550 MINI-PUMPER

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## Selected Equip & Specs (cont'd)

Centre .....	Yes		
<b>Rear Seats</b>			
Descriptor .....	Split-bench	Facing .....	Front
Folding .....	60-40	Folding position .....	Fold-up cushion
Type .....	Fixed		
<b>Rear Head Restraints</b>			
Control .....	Manual	Type .....	Adjustable
Number .....	3		
<b>Front Seat Trim</b>			
Material .....	Vinyl	Back material .....	Vinyl
<b>Rear Seat Trim Group</b>			
Material .....	Vinyl	Back material .....	Carpet
<b>Convenience</b>			
<b>AC And Heat Type</b>			
Air conditioning .....	Manual	Air filter .....	Yes
Underseat ducts .....	Yes		
<b>Audio System</b>			
Radio .....	AM/FM stereo	Radio grade .....	Regular
Seek-scan .....	Yes	External memory control .....	SYNC
<b>Audio Speakers</b>			
Speaker type .....	Regular	Speakers .....	4
<b>Audio Controls</b>			
Steering wheel controls .....	Yes	Voice activation .....	Yes
Streaming audio .....	Bluetooth yes		
<b>Audio Antenna</b>			
Type .....	Fixed		
<b>LCD Monitors</b>			
1st row .....	2	Primary monitor size (inches) .....	4.2
<b>Convenience Features</b>			
*Retained accessory power .....	Yes	12V DC power outlet .....	2
Emergency SOS .....	Mobile device	Wireless phone connectivity .....	Bluetooth
Smart device integration .....	App link	Upfitter switches .....	Yes

# ALSIP FIRE DEPT. BID SPECIFICATIONS FORD F550 MINI-PUMPER

2022 F-550 Chassis 4x4 SD Crew Cab 203" WB DRW XL (W5H)

## Selected Equip & Specs (cont'd)

### Door Lock Activation

* Type .....	<b>Power with 2 stage unlock</b>	* Remote .....	<b>Keyfob (all doors)</b>
* Integrated key/remote .....	<b>Yes</b>		

### Door Locks Extra FOB Controls

Remote engine start ..... **Smart device only**

### Instrumentation Type

Display ..... **Analog**

### Instrumentation Gauges

Tachometer .....	<b>Yes</b>	Oil pressure .....	<b>Yes</b>
Engine temperature .....	<b>Yes</b>	Transmission fluid temp .....	<b>Yes</b>
Engine hour meter .....	<b>Yes</b>		

### Instrumentation Warnings

Oil pressure .....	<b>Yes</b>	Engine temperature .....	<b>Yes</b>
Battery .....	<b>Yes</b>	Lights on .....	<b>Yes</b>
Key .....	<b>Yes</b>	Low fuel .....	<b>Yes</b>
Door ajar .....	<b>Yes</b>	Service interval .....	<b>Yes</b>
Brake fluid .....	<b>Yes</b>		

### Instrumentation Displays

Clock .....	<b>In-radio display</b>	Compass .....	<b>Yes</b>
Exterior temp .....	<b>Yes</b>	Systems monitor .....	<b>Yes</b>

### Instrumentation Feature

Trip computer .....	<b>Yes</b>	Trip odometer .....	<b>Yes</b>
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### Steering Wheel Type

Material .....	<b>Urethane</b>	Tilting .....	<b>Manual</b>
Telescoping .....	<b>Manual</b>		

### Front Side Windows

\* Window 1st row activation ..... **Power**

### Windows Rear Side

\* 2nd row activation ..... **Power**

### Window Features

* 1-touch down .....	<b>Driver and passenger</b>	* 1-touch up .....	<b>Driver and passenger</b>
Tinted .....	<b>Light</b>		

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2022 F-550 Chassis 4x4 SD Crew Cab 203" WB DRW XL (W5H)

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## Selected Equip & Specs (cont'd)

### *Front Windshield*

Wiper ..... Variable intermittent

### *Rear Windshield*

Window ..... Fixed

## **Interior**

### *Passenger Visor*

Mirror ..... Yes

### *Rear View Mirror*

Day-night ..... Yes

### *Headliner*

Coverage ..... Full      Material ..... Cloth

### *Floor Trim*

Coverage ..... Full      Covering ..... Vinyl/rubber

### *Trim Feature*

Gear shifter material ..... Urethane      Interior accents ..... Chrome

### *Lighting*

Dome light type ..... Fade

\* **Illuminated entry** ..... **Yes**

Variable IP lighting ..... Yes

Front reading ..... Yes

Rear reading ..... Yes

### *Overhead Console Storage*

Storage ..... Yes

Type ..... Full

### *Storage*

\* **Driver door bin** ..... **Yes**

Glove box ..... Locking

Illuminated ..... Yes

Instrument panel ..... Covered bin

\* **Rear door bins** ..... **Yes**

Front Beverage holder(s) ..... Yes

\* **Passenger door bin** ..... **Yes**

Rear yes ..... Yes

Dashboard ..... Yes

### *Legroom*

Front ..... 43.9"

Rear ..... 43.6"

### *Headroom*

Front ..... 40.8"

Rear ..... 40.4"



# ALSIP FIRE DEPT. BID SPECIFICATIONS FORD F550 MINI-PUMPER

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2022 F-550 Chassis 4x4 SD Crew Cab 203" WB DRW XL (W5H)

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## Selected Equip & Specs (cont'd)

### *Hip Room*

Front ..... 62.5"      Rear ..... 64.7"

### *Shoulder Room*

Front ..... 66.7"      Rear ..... 65.9"

### *Interior Volume*

Passenger volume ..... 131.7 cu.ft.

# ALSIP FIRE DEPT. BID SPECIFICATIONS FORD F550 MINI-PUMPER

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2022 F-550 Chassis 4x4 SD Crew Cab 203" WB DRW XL (W5H)

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## Warranty

### Standard Warranty

#### *Basic*

Distance ..... 36,000 miles                      Months ..... 36 months

#### *Powertrain*

Distance ..... 60,000 miles                      Months ..... 60 months

#### *Corrosion Perforation*

Distance ..... Unlimited miles                      Months ..... 60 months

#### *Roadside Assistance*

Distance ..... 60,000 miles                      Months ..... 60 months

# ALSIP FIRE DEPT. BID SPECIFICATIONS

## FORD F550 MINI-PUMPER

BODY BUILD SPECIFICATIONS	BIDDER COMPLIES	Yes	No
<p><b>Ford F-550 Mini-Pumper Specifications</b></p> <p><b>The apparatus body shall be manufactured as per the following specifications:</b></p>			
<p><b>BODY DESIGN:</b> The body shall be modular in design, capable of being removed and remounted on a new chassis. Body integrity and strength to be independent of chassis mounting.</p>			
<p><b>BODY MATERIALS:</b> The following shall be the minimum acceptable materials, gauge, and finish used: Aluminum Body - All construction panels shall be 5052-H32 aluminum of .125" thickness. Aluminum Diamond Plate - All diamond plate shall be 3003-H14 aluminum of .125" thickness. Body Mounting - All body mounting bolts to be minimum Grade 5. Exterior Fasteners - All exterior nuts, bolts, and screws shall be stainless steel.</p>			
<p><b>BODY SUPER-STRUCTURE:</b> Lateral floor structure built using 3.0" H x 2.0" W x .125" aluminum tubing welded to longitudinal, doubled 1.0" x 3.0" flat bar. Formed 5.0" channel ties floor structure at front with 3.0" H x 2.0" W x .125" aluminum tubing at rear. Structure is welded and gusseted to the side-wall structure for maximum strength and durability. A welded bulkhead panel above the floor structure secures the compartments at the front of the body. <b>NO EXCEPTIONS</b></p>			
<p><b>BODY FRONT SHEETING:</b> The front body sheet shall be fabricated of .125" smooth aluminum and painted job color.</p>			
<p><b>BODY ROOF SHEETING:</b> The top of body compartments to be covered with .125" aluminum diamond plate.</p>			
<p><b>BODY REAR SHEETING:</b> The rear body sheet shall be fabricated of .125" smooth aluminum sheeting and painted job color. There shall be a kick plate fabricated of .125" aluminum diamond plate, located below the rear opening.</p>			
<p><b>BODY MOUNTING:</b> The body shall be mounted to the chassis frame at not less than six (6) locations, three (3) on each side. The mounts shall secure the 1.0" x 3.0" 6061-T6 alloy solid aluminum flat-bar of the floor sub-frame to the chassis frame.</p> <p>Neoprene pads shall be furnished and installed between the body and the mounts to prevent electrolysis and to minimize noise transfer.</p>			
<p><b>CORROSION PROTECTION:</b> Electrolysis Corrosion Kontrol (ECK) to prevent dissimilar metal corrosion.</p>			

**ALSIP FIRE DEPT. BID SPECIFICATIONS  
FORD F550 MINI-PUMPER**

BODY BUILD SPECIFICATIONS	BIDDER COMPLIES	
	Yes	No
<p><b>UNDERCOATING:</b> Underside of the vehicle floor and structure sprayed with Corashield automotive undercoating.</p>		
<p><b>STONE GUARDS:</b> Front body corners, .125" aluminum diamond plate protective guards, 24" high</p>		
<p><b>WHEEL WELL LINERS:</b> Welded aluminum inner liners provided at rear wheel wells</p> <p><b>WHEEL WELL SURROUND PANELS PAINTED:</b> The body panels that surround the wheel wells shall be painted with no trim overlaid on the body panel.</p> <p><b>FENDERETTES:</b> The wheel well openings shall be trimmed with rubber fenderettes, bolted into place.</p> <p><b>RUB RAILS:</b> Two (2) part impact and polished aluminum rub rail, black Scotchlite reflective striping in rub rail recess, FMVSS reflectors.</p> <p><b>APPARATUS BODY PAINT FINISH:</b> Fire apparatus standards, exhibiting excellent gloss and color retention properties. PPG-certified single-stage paint process.</p>		
<p><b>REAR BODY CHEVRONS:</b> "Diamond Grade" Chevron reflective striping, six-inch (6") wide, minimum 50% of the entire rear body.</p>		
<p><b>REFLECTIVE STRIPE:</b> A four-inch (4") white "Scotchlite" stripe will be provided full length of vehicle.</p>		
<p><b>BODY COMPARTMENT COATING:</b> Interior of body compartment to be fully coated to aid in abrasion resistance.</p>		
<p><b>BODY COMPARTMENT VENTING:</b> Compartments below the chassis frame to have a removable louvered vent panel with a replaceable filter.</p>		
<p><b>ADJUSTABLE SHELF CHANNEL:</b> Vertically mounted Uni-Strut channel in all exterior compartments for adjustable shelving and trays.</p>		
<p><b>EXTERIOR COMPARTMENT SPECIFICATIONS:</b></p> <p><b>DRIVER'S SIDE:</b> The front driver's side compartment, L1, shall have a clear opening of 43" H x 52" W x 21" D with a roll-up door. The compartment shall be transverse.</p> <p>The compartment over the rear wheels on the driver's side, L2, shall have a clear opening of 25 1/2" H x 37" W x 21" D with a roll-up door.</p>		

# ALSIP FIRE DEPT. BID SPECIFICATIONS

## FORD F550 MINI-PUMPER

BODY BUILD SPECIFICATIONS	BIDDER COMPLIES	
	Yes	No
<p>The driver's side compartment behind the rear wheels, L3, shall have a clear opening of 43" H x 26" W x 21" D with a roll-up door.</p> <p><b>OFFICER'S SIDE:</b>            The front officer's side compartment, R1, shall have a clear opening of 43" H x 52" W x 21" D with a roll-up door. The compartment shall be transverse.</p> <p>The compartment over the rear wheels on the officer's side, R2, shall have a clear opening of 25 1/2" H x 37" W x 21" D with a roll-up door.</p> <p>The officer's side compartment behind the rear wheels, R3, shall have a clear opening of 43" H x 26" W x 21" D with a roll-up door.</p>		
<p><b>ROM SERIES IV ROLL-UP DOORS:</b>            There shall be R•O•M Series IV roll-up shutter doors installed. Shutter door assembly shall be manufactured and assembled in the United States, NO EXCEPTIONS.</p>		
<p><b>PAINTED ROLL-UP DOORS:</b>            The roll up doors shall be wet painted in a single color to match the body color.</p>		
<p><b>ROM SERIES IV ROLL-UP DOOR POWER LOCKS:</b>            Each of the ROM compartment doors will be equipped with an electric power lock. Each of the door locks will incorporate a dual locking mechanism.</p> <p><b>COMPARTMENT L1 SHALL CONTAIN:</b></p>		
<p><b>FLOOR EXTENSION:</b>            Floor height at the area over the frame rails to be continued on the same plane to the outer body sidewall. Floor extension shall be fabricated of 3/16" smooth aluminum in the form of an inverted box with a 2" lip to create additional support strength.</p> <p><b>VERTICAL DIVIDER:</b>            A vertical divider shall be provided and installed. The vertical divider shall be fabricated from 3/16" smooth aluminum and include gussets or other reinforcement for added strength.</p>		
<p><b>ADJUSTABLE SHELVES:</b>            Two (2) adjustable shelves shall be fabricated and installed. The shelves shall be constructed of 3/16" DA finished aluminum, with a 2" lip on all four sides. The shelves shall be vertically adjustable by mounting to the Uni-Strut channels provided.</p> <p><b>COMPARTMENT R1 SHALL CONTAIN:</b></p> <p><b>FLOOR EXTENSION:</b></p>		

# ALSIP FIRE DEPT. BID SPECIFICATIONS

## FORD F550 MINI-PUMPER

BODY BUILD SPECIFICATIONS	BIDDER COMPLIES	Yes	No
<p>Floor height at the area over the frame rails to be continued on the same plane to the outer body sidewall. Floor extension shall be fabricated of 3/16" smooth aluminum in the form of an inverted box with a 2" lip to create additional support strength.</p> <p><b>VERTICAL DIVIDER:</b> A vertical divider shall be provided and installed. The vertical divider shall be fabricated from 3/16" smooth aluminum and include gussets or other reinforcement for added strength.</p> <p><b>ADJUSTABLE SHELVES:</b> Two (2) adjustable shelves shall be fabricated and installed. The shelves shall be constructed of 3/16" DA finished aluminum, with a 2" lip on all four sides. The shelves shall be vertically adjustable by mounting to the Uni-Strut channels provided.</p> <p><b>TRANSVERSE COMPARTMENT L1/R1 SHALL CONTAIN:</b></p> <p><b>DUAL DIRECTION SLIDE TRAY:</b> A SlideMaster SM2-D 70% extension dual directional slide out tray shall be mounted in the transverse compartment. The tray shall be fabricated from 3/16" DA finished aluminum and have a 3" lip on all four sides. The tray shall have a capacity of 1,000-pound and be mounted on SlideMaster slides. An IMS push/pull red ball latch on the front of the slide shall lock the tray in the "in" or "out" position.</p>			
<p><b>ADJUSTABLE VERTICAL DIVIDER(S):</b> One (1) adjustable vertical divider(s) shall be provided and installed on the slide out tray. The vertical divider(s) shall be fabricated from 3/16" smooth aluminum. The divider(s) shall be adjustable by mounting in heavy duty C-channel tracking material, securely fastened in the compartment.</p>			
<p><b>COMPARTMENT L2 SHALL CONTAIN:</b></p>			
<p><b>ADJUSTABLE SHELF:</b> One (1) adjustable shelf shall be fabricated and installed. The shelf shall be constructed of 3/16" DA finished aluminum, with a 2" lip on all four sides. The shelf shall be vertically adjustable by mounting to the Uni-Strut channels provided.</p>			
<p><b>COMPARTMENT L3 SHALL CONTAIN:</b></p>			
<p><b>ADJUSTABLE SHELVES:</b> Two (2) adjustable shelves shall be fabricated and installed. The shelves shall be constructed of 3/16" DA finished aluminum, with a 2" lip on all four sides. The shelves shall be vertically adjustable by mounting to the Uni-Strut channels provided.</p>			
<p><b>COMPARTMENT R2 SHALL CONTAIN:</b></p>			
<p><b>ADJUSTABLE SHELF:</b> One (1) adjustable shelf shall be fabricated and installed. The shelf shall be constructed of 3/16" DA finished aluminum, with a 2" lip on all four sides. The shelf shall be vertically adjustable by mounting to the Uni-Strut channels provided.</p>			

**ALSIP FIRE DEPT. BID SPECIFICATIONS  
FORD F550 MINI-PUMPER**

BODY BUILD SPECIFICATIONS	BIDDER COMPLIES	Yes	No
<b>COMPARTMENT R3 SHALL CONTAIN:</b>			
<p><b>ADJUSTABLE SHELVES:</b> Two (2) adjustable shelves shall be fabricated and installed. The shelves shall be constructed of 3/16" DA finished aluminum, with a 2" lip on all four sides. The shelves shall be vertically adjustable by mounting to the Uni-Strut channels provided.</p>			
<p><b>REAR BODY SKID/TANK AREA:</b> The body shall be open from the rear body panel to the rear wall of the L1 and R1 compartment(s). This compartment shall measure approximately 86 1/4" long x 46" wide x 45" high. This open body area frame will be reinforced to hold the skid/water load intended. The interior sheet metal for the floor and side walls will be .188" thick for maximum area structural strength.</p> <p>The entire area, floor, front wall, and body side walls shall be coated with Durabed lining according to PPG certified process. The rear skid/tank area floor to body edge and side wall edges shall be trimmed with brushed stainless steel.</p> <p><b>SKID MOUNTED HONDA 20-HP GASOLINE FIRE PUMP W/ 300 GALLONS OF WATER &amp; 10 GALLONS OF FOAM W/ ELKHART BRUSHHAWK FRONT BUMPER TURRET:</b></p> <p>Includes:</p> <ul style="list-style-type: none"> <li>• Fire Pump to have remote start, electric tank to pump to be able to operate the pump inside the cab</li> <li>• 2-1/2" Suction Inlet</li> <li>• Stainless Steel Manifold Outlet</li> <li>• Skid Unit to have a Low Profile Electric Hose Reel w/ 150ft of Rubber 1" Attack Line</li> <li>• Scotty A&amp;B Foam System on Skid Unit</li> <li>• 7" Poly Storage Frame for storage under skid unit</li> <li>• Mount Electrical Remote Start Switch, Tank Level Indicator, and Tank to Pump Control Switch in cab on center console</li> <li>• Mount and Install the Elkhart Front Bumper Turret w/ Joystick Controls and Electric Discharge Valve Kit w/ Switch on the console. (Dealer to Provide Elkhart Brushhawk Monitor, Joystick, Nozzle, 2.0" Electric Discharge Valve Kit, and Wiring Harnesses that are needed) Elkhart Monitor Requested. <b>NO EXCEPTIONS</b></li> <li>• Class 1 pressurized rubber hose tank to turret</li> </ul>			
<b>REAR BODY STEPS:</b> Two (2) heavy duty folding steps installed on the rear body face.			
<b>REAR BODY HANDRAILS:</b> 1 1/4" extruded aluminum Hansen non-rotating knurled tubing with chrome plated end stanchions. Handrail location to not increase overall vehicle height.			
<b>ELECTRICAL SYSTEM</b>			

# ALSIP FIRE DEPT. BID SPECIFICATIONS

## FORD F550 MINI-PUMPER

BODY BUILD SPECIFICATIONS	BIDDER COMPLIES	
	Yes	No
<p><b>ELECTRICAL SYSTEM - BASE:</b>  All wiring and electrical equipment to be compliant with any applicable NFPA 1901 criteria for Special Service Fire Apparatus and SAE standards. All lighting and reflectors shall meet Federal Motor Vehicle Standards. A master warning device switch that energizes all warning and optical warning devices with separate signaling modes for response and static operation.</p> <p>Design provides a standardized platform for reliable and repeatable hard-wired or multiplexed electrical systems that can be documented and easily serviced and maintained.</p> <p>Electrical distribution, including all circuits, shall be documented and made part of the records available at time of delivery.</p>		
<p><b>ELECTRICAL SYSTEM, OPERATING:</b>  Carling rocker type switches if needed, for all vehicle warning and scene lights. Function labels provided for each switch.</p>		
<p><b>POWER DISTRIBUTION QUARTERS:</b>  The vehicle shall be equipped with a Power Distribution Quarters (PDQ) to provide a protected environment for the electrical systems interface to the apparatus body. The PDQ shall have a service access door that is removable via two (2) recessed positive type door latches. 12v lighting shall automatically activate with the removal of the access door. The compartment and access door shall be fabricated from 5052-H32 aluminum alloy, finished to match with interior compartments, and include venting for heat dissipation.</p> <p>The design shall provide a standardized platform for reliable and repeatable hard-wired or multiplexed electrical systems that can be documented and easily serviced and maintained. The internal wiring terminals shall be machine or torque-tool crimped to the wire ends and splices shall be protected with heat shrink material. All body harnesses entering and exiting the distribution panel shall pass through a protected wiring channel directly into the PDQ. The electrical distribution panel shall incorporate wiring harnesses that meet or exceed NFPA standards while providing a central location for body wiring harnesses.</p> <p>The distribution panel, including all circuits, shall be documented and made part of the records available at time of delivery.</p>		
<p><b>BATTERY CONTROL SYSTEM, IGNITION SWITCH:</b>  Battery master control through the chassis ignition switch. Heavy-duty 200-Amp constant duty solenoid to provide 12-volt battery power to the vehicle.</p>		
<p><b>POWER INVERTER/CHARGER, KUSSMAUL:</b>  One (1) KUSSMAUL 091-269-12-2000 2000-Watt Pure Sine wave inverter with built-in automatic load transfer relay, 100-Amp high output 3-stage charger for rapid battery bank replenishment to be installed. Unit to be programmable for Gel, lead acid, or AGM battery. Automatic over temperature shutdown, and AC output circuit breaker(s). Automatic low battery shutdown at 10.5VDC with in-rush delay. Automatically detects when a load is not connected to minimize energy consumption. Heavy duty powder coated aluminum construction and conformal coated circuitry. Built to meet NFPA 1917 Specifications. <b>NO EXCEPTIONS</b> Location TBD @ Pre-Con</p>		



**ALSIP FIRE DEPT. BID SPECIFICATIONS  
FORD F550 MINI-PUMPER**

BODY BUILD SPECIFICATIONS	BIDDER COMPLIES	Yes	No
<b>120-VOLT SHORELINE AUTO EJECT:</b> Kussmaul 20-amp, automatic shoreline dis-connect.			
<p><b>COMPARTMENT STRIP LIGHTING:</b> ROM V4 LED compartment lights shall be supplied, lights shall be located on both sides of each compartment door opening. Lights shall be designed and manufactured to be waterproof meeting the IPX7 industry standard. Lights shall have a streamline optic lens and a fixed lumen output across 9-16vdc and produce a bright 250 Lumens per 12-inch section (nominal).</p> <p>LED lights shall draw no more than 0.33 amps at 12.8vdc per 12-inch section of light strip. LED lights shall be mounted in an anodized aluminum track provided by ROM either as a standalone unit or an integrated part of the roll up shutter door track. LED lights shall be of interlocking design and shall be able to be serviced/replaced without the removal of the light extrusion assembly or shutter door. LED lights shall be</p> <p>able to be integrated with any door switch control wired either negative switching or positive switching. ROM LED lights have a 7-year product warranty.</p> <p>NOTE: Lighting to be provided on both sides of door opening.</p>			
<p><b>115-VOLT INTERIOR OUTLETS:</b> Two (2) 15-amp, 115-volt interior duplex receptacles shall be installed in the body. Location(s) to be determined.</p> <p><b>OUTLETS FOR SHORELINE POWER:</b> These receptacles shall be directly wired to the shoreline power. Location(s) to be determined.</p> <p><b>E-Q2B ELECTRONIC SIREN:</b> A Federal e-Q2B 200-watt electronic siren shall be installed. The siren shall produce the sound of the original Q2B with the functionality of an electronic siren with P/A. System to include a recessed BP200-EF, 200-watt speaker with bumper surface mounted polished, stainless-steel Electric "F" grille. Siren controls shall be located in the cab within easy reach of the officer and driver.</p>			
<p><b>FRONT LIGHT BAR:</b> Federal Signal Navigator light bar (NVG53-ALSIPFD) shall be installed on the vehicle. The light bar shall be 53" long.</p>			
<p><b>FRONT LOWER WARNING LIGHTS:</b> There shall be four (4) Federal Signal MicroPulse 1200 Series LED lights with chrome bezels installed on the front lower area of the cab. Clear lens with red LED light</p>			
<p><b>SIDE UPPER WARNING LIGHTS:</b> There shall be Federal Signal QuadraFlare 6"x4" LED flashing upper warning lights with chrome bezels installed. Two (2) warning lights shall be mounted on the left upper body panel. Two (2) warning lights shall be mounted on the right upper body panel. Clear lens with red LED light</p>			

**ALSIP FIRE DEPT. BID SPECIFICATIONS  
FORD F550 MINI-PUMPER**

BODY BUILD SPECIFICATIONS	BIDDER COMPLIES	Yes	No
<p><b>SIDE LOWER WARNING LIGHTS:</b> There shall be Federal Signal MicroPulse MPS1200 series LED lower warning lights with chrome bezels (MPSUM12-1) installed on the vehicle. Two (2) lights installed, one (1) on each front fender of the chassis. Clear lens with red LED light</p>			
<p><b>SIDE LOWER WARNING LIGHTS:</b> There shall be Federal Signal MicroPulse MPS600U series LED lower warning lights with chrome bezels installed on the vehicle. Two (2) lights installed, one (1) each side in front rub rail. Two (2) lights installed, one (1) each side in rear rub rail. Clear lens with red LED light</p> <p><b>REAR UPPER WARNING LIGHTS:</b> Two (2) Federal, QuadraFlare, 9" x 7" model QL97C LED flashing warning lights with chrome bezels shall be provided at the rear of the body in upper outboard corners. Red LED's with clear lenses will be installed.</p>			
<p><b>SIDE UPPER SCENE LIGHTS:</b> Two (2) Fire Tech FT-MB-9, 12" Mini Brow Light will be mounted, one (1) each side of the upper body, centered in the middle.</p> <p><b>REAR UPPER SCENE LIGHTS:</b> There shall be Federal Signal QuadraFlare 9"x7" QL97LEDSCENE series scene lights with chrome bezels installed. Two (2) lights shall be mounted on the rear upper body, one (1) each upper rear corner. The scene lights shall be controlled in pairs at the cab console.</p>			
<p><b>REVERSE ACTIVATED REAR SCENE LIGHTS:</b> Activated when apparatus transmission is placed in reverse.</p>			
<p><b>REAR TURN, BACK-UP, AND STOP LIGHTS:</b> The rear turn signals, backup lights, and stop/taillights shall be TecNiq T62 series 6" Oval LED individual lights with chrome bezels. The brake light shall be a red stop/taillight. The rear turn signal shall be an amber turn signal. The back-up light shall be a white back-up light. One (1) cluster shall be mounted on the right and one (1) cluster on the left on rear of the body.</p>			
<p><b>LED CLEARANCE LIGHTS:</b> Nine (9) Weldon 1500 Series LED Low Amp Draw Marker Lamps seven (7) Red (Model #9186-1500-10) and two (2) Amber (Model #9186-1500-20), with stainless steel brush guard (Model #0J10-1200-00) shall be installed to meet ICC, FMVSS and other applicable regulations.</p>			
<p><b>LED UNDERBODY LIGHTS:</b> TecNiq Series LED eight (8) under body lights with SS brackets.</p>			
<p><b>LED TELESCOPING SCENE LIGHT:</b> There shall be Fire Research Spectra MS LED Scene Light Model #SPA530-R14-SW-SR side</p>			

# ALSIP FIRE DEPT. BID SPECIFICATIONS

## FORD F550 MINI-PUMPER

BODY BUILD SPECIFICATIONS	BIDDER COMPLIES	Yes	No
<p>mount push up telescopic light(s) installed. The light pole shall be anodized aluminum and have a knurled twist lock mechanism to secure the extension pole in position. The outer pole shall be a grooved aluminum extrusion and qualify as an NFPA compliant handrail. The extension pole shall rotate 360-degrees, installation to include a mirrored stainless-steel panel at roof edge to protect body from damage when light is stowed.</p> <p>The lamp head shall have 36 ultra-bright white LED's, 30 for flood lighting and 6 to provide a spotlight beam pattern. Lamp to operate at 12-volts DC, draw 10.8 amps, and generate 14,000 lumens of light. The lamp head shall have a unique lens that directs flood lighting onto the work area and focuses the spotlight beam into the distance. The lamp head angle of elevation shall be adjustable at a pivot in the mounting arm and the position locked with a round knurled locking knob. The lamp head shall be 6 1/2" high by 8 3/4" wide by 3 1/4" deep and have a heat resistant handle.</p> <p>NOTE: TWO (2) MOUNTED ON THE FRONT OF THE BODY, ONE (1) EACH SIDE</p>			
<b>CHASSIS RELATED ACCESSORIES</b>			
<p><b>CAB CONTROL CONSOLE:</b> There shall be one (1) cab control console installed in the chassis between the cab bucket seats. This console shall be fabricated from .125" aluminum and shall be as large as possible and bolted into place. This console shall have a removable top cover plate, which shall be retained by stainless steel counter-sunk fasteners.</p> <p>The console shall accommodate all required electrical connections, sirens, light controls, switch banks, multiplex control heads, and any other electrical equipment as specified. Storage for binders and maps to be provided based on available space, to be determined.</p> <p>The console shall be coated with Zolatone to aid in abrasion resistance.</p>			
<b>INSTALL CUSTOMER RADIOS:</b> Installation of customer provided radios and other equipment TBD.			
<p><b>RUNNING BOARDS:</b> Running boards shall be installed beneath the cab and crew area doors on both sides of the chassis. They shall be fabricated from aluminum diamond plate and be structurally reinforced for maximum strength.</p>			
<b>CAB STEP LIGHTS:</b> Whelen OS Series LED step lights provided, each cab door			
<p><b>REAR SUSPENSION STABILIZATION:</b> Rear suspension to include SuperSprings® stabilizing system to level the load created by water tank and to reduce body roll. Modification to be performed without removal of OEM spring pack and should not compromise ride quality.</p>			
<b>BUCKSTOP BUMPER, TURRET MOUNT:</b> A Buckstop Bumper Model # 1760 shall be mounted in place of the OEM Front Bumper. The front bumper turret shall be affixed to the bumper.			
<b>REAR STEP AND BUMPER:</b> Aluminum diamond plate cover, full width of body, attached to chassis frame.			

**ALSIP FIRE DEPT. BID SPECIFICATIONS  
FORD F550 MINI-PUMPER**

BODY BUILD SPECIFICATIONS	BIDDER COMPLIES	
	Yes	No
<p><b>HOSE TRAY:</b> A hose tray shall be provided by the dealer. The hose tray will be on the officer's side above the compartments. The tray shall be constructed of 1/8" Aluminum Plate. The hose tray shall accommodate 100ft of 1-3/4" Hose and 100ft of forestry line. The tray shall have a vinyl cover with bungee cord loop with hooks to secure the cover. The vinyl color will be black.</p>		
<p><b>TRAILER HITCH/LIGHTS:</b> Class III trailer hitch, combination 7-pin/flat blade trailer light plug connector.</p>		
<p><b>REAR VISION CAMERA:</b> One (1) Federal Signal 7" color back up CCD camera system with photosensor and 16 infrared LEDs for night vision shall be installed on the apparatus. The camera shall display the real-time view of the area directly behind the apparatus.</p>		
<p><b>BACK-UP ALARM:</b> Federal Signal Evacuator electronic back-up alarm</p>		
<p><b>FUEL FILL DOOR (GASOLINE):</b> Flush mounted fuel filler guard with a hinged door, labeled</p>		
<p><b>TIRE PRESSURE MONITORING DEVICES:</b> Shipped loosed, calibration after vehicle is loaded.</p>		
<p><b>TOW EYES - REAR:</b> Two (2) black tow eyes mounted directly to the chassis frame rail at the rear of the unit.</p>		
<p><b>MUD FLAPS - REAR:</b> Black rubber mud flaps at rear wheels</p>		
<p><b>WARNING LABELS AND INFORMATION PLATES:</b> Labels by Innovative Controls and Warning Labels</p>		
<p><b>DELIVERY REQUIREMENTS:</b> Vehicle must be delivered to Alsip FD Headquarters under its own power.</p>		
<p><b>VEHICLE ROAD AND SYSTEMS INTEGRITY TESTING:</b> Road test and systems integrity test including a full 12-volt electrical test conducted at the time of vehicle completion. All systems having a mechanical function to be tested.</p>		
<p><b>MANUALS:</b> All manuals related to sub-system components for included optional equipment to be provided</p>		