Police Vehicle Specifications

Specifications for South Portland and Cape Elizabeth police vehicles 2018 model year Ford Utility Police Interceptors (K8A-500A)

Number of Utility Vehicles to be bid: **4**

Address bid reply to: Purchasing Agent, 25 Cottage Road, South Portland, Maine 04106

Bid must be returned by: **January 29, 2018** at **2:00 p.m.**

Description

It is the purpose of these specifications to describe a vehicle to be used in Law Enforcement Work. The vehicle will be operated for long periods of time at normal traffic speeds, with frequent periods of idling; however, the vehicle must also be capable of fast acceleration and high speed performance. For this reason the vehicle must have an outstanding cooling system, braking system and handling characteristics.

The manufacturer in the selection and engineering of components will use materials and design practices that will produce the best vehicle in the industry, for the type of operation to which the vehicle is to be subject. Component parts and design shall be of the quality that will give maximum performance, durability and safety, and not merely meet minimum requirements of this specification.

The vehicle shall in all respects meet or exceed all requirements of the Federal Government and the State for the model year bid. The vehicle shall include all standard equipment normally sold and marketed to the retail public, unless specifically deleted by request.


Note: “SAE” refers to the Society of Automotive Engineers.

Optional equipment may not be part of the final bid order due to cost considerations. The City of South Portland reserves the right to accept or reject the bid of an individual dealership if it is determined to be in the best interest of the municipality.

Bidders are requested to make note of any individual specifications that are not available as a standard feature or option on the vehicle they are quoting for the bid process.

Illustrative & Technical Data

Bidder to submit with proposal, illustrative product brochures and technical data on vehicles and equipment proposed to be furnished. Color chart may be requested.

Warranty

Manufacturers standard warranty to apply **X**

Other requirements:

Repair parts

It shall be the responsibility of the dealer and the manufacturer supplying the vehicles purchased to maintain an adequate stock of all regular and special parts in the area of the fleet operation. A special system shall be set up for expediting the procurement of “Hard to Get Items.”

Service & Delivery

(Items required are indicated by an **X** in box at left of item.)

- **X** Dealer Preparation, Conditioning and Full Service required prior to delivery.
- Special Pre delivery & Service schedule attached.
- No dealer pre delivery service required.
- Vehicle to be drop shipped direct to Department from assembly plant.
Shipping instructions attached.

Vehicle to be delivered as outlined in the attached delivery schedule.

Please quote length of time for initial delivery, vehicles desired Spring 2016.

Other:

The dealer supplying and/or maintaining vehicles under this contract must arrange a system to expedite police vehicles in their service department.

The vehicles secured under this contract will be maintained in department owned-operated repair shops: therefore, a manufacturer’s technical service representative shall contact the department at least once every 30 days for a minimum of 12 months after delivery of the vehicles.

(Department to X or complete those items required)

Vehicles to be used in the following type service: **Municipal Police**

<table>
<thead>
<tr>
<th>Year model</th>
<th>2018</th>
</tr>
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<tbody>
<tr>
<td>Body style</td>
<td>Utility</td>
</tr>
<tr>
<td>Series:</td>
<td>Low</td>
</tr>
<tr>
<td>Wheelbase</td>
<td>inch/minimum</td>
</tr>
</tbody>
</table>

Other Description: **Small Wheel Caps**

**Engine: 3.7L V6 TI-VCT FFV (99R)**

<table>
<thead>
<tr>
<th>Carburetor Type</th>
<th>MPFI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exhaust:</td>
<td>Single</td>
</tr>
</tbody>
</table>

Replaceable element oil filter, air cleaner, gas filter, other requirements

External Crankcase Oil Cooler required

**Performance** (Vehicle shall be capable of accelerating from 0 to 60 MPH / 0 to 100 KM/PH in _____ seconds with a minimum top speed of _____ MPH/KM/PH (clean car)

Other requirements:

**Transmission**

<table>
<thead>
<tr>
<th>Manual Transmission</th>
<th>Speed</th>
</tr>
</thead>
</table>

Automatic Transmission Minimum 6 Speed forward and 1 reverse (44C)

Engineered for maximum durability and performance for the model bid

Other requirements: **Heavy Duty**

Low Gear Lock Out required

Auxiliary Transmission Oil Cooler required

**Rear Axle**

Manufacturer to select axle ratio which will provide the best overall performance and of the heaviest duty available for this model.

Other requirements:

Limited Slip Differential required.

**Cooling System:** To be equipped with the maximum cooling system available.

Other requirements:

Closed Coolant Recovery System required.

**Suspension**

Standard suspension as designed for the retail public.

Heavy Duty suspension as marketed to the retail public.

Maximum handling package designed to limit body roll, allow flat cornering, limit dive on harsh...
or severe braking and limit squat on fast acceleration to proven optimum handling.

The following X items are to be included:

- Extra control front and rear shock absorbers
- Extra heavy duty front & rear springs (or equal components)
- Front stabilizer bar to provide optimum handling
- Rear stabilizer bar to provide optimum handling
- Heavy duty frame or frame member reinforcement on unit frame
- Vehicle must have passed the current model year Los Angeles Police Handling Test for the model bid
- Other requirements: 

**Alternator** 12 Volt 200 Amp (minimum)

Output to be rated by latest revision SAE std. J544

- Other requirements: **850 Cold Cranking Amps**

**Battery** 12 Volt 78 Amp Hour (20 Hour Rate) Rated by latest Rev SAE Std. J537

- Other requirements: 
- See additional requirements attached
- Battery Heat Shield required

**Exterior Color** (from standard order codes)

The following X items are required:

- Fresh air heater and defroster - Integral
- Preferred Equipment Package
- Windshield Wipers - 3 speed or multiple speed
- Rear window defogger - blower type
- Rear window defroster - electric wire
- Heavy duty front seat cushion and back rest - bench type
- Heavy duty rear seat cushion and back rest
- Cloth front bucket seats and vinyl rear bench (9W)
- Split seat - front
- Single key locking system - individual car
- Single key locking system - all cars keyed alike (59B -1284X)
- Parking brake warning light
- Automatic parking brake release
- Air Conditioning - integral factory installed
- Tinted Glass - windshield only
- Tinted Glass - windshield and all side windows
- Dome/reading light with red and white lighting in the center of windshield header & in the rear cargo area

**Brakes** Requirements as indicated in selections:

- Standard Brakes as offered to the general retail public for model bid
- Heavy duty police fade resistant brakes
- Manual drum shoe
Manual front disc, drum shoe rear
× Power disc front, drum shoe rear
Power disc all four wheels with ABS.
Brakes must meet or exceed the brake test attached.
Brakes must have passed the current model year Los Angeles Police Brake Test for the model bid.
× Other requirements: Dual Air Bag Restraint System

Radio suppression Radio frequency interference suppression measures and devices shall be incorporated into the vehicle so that interference generated does not exceed the limits established in SAE Standard J-551 entitled “Measurement of Vehicle Radio Interference (30 to 40 megacycles)” and Military Standards.
See Additional requirements attached

Wheels Heavy duty 18 inch diameter ____ inch wide rim

Tires: tubeless × BSW □ WSW
□ Bias Ply □ Bias Belted × Radial
Type of Cord and/or Belt: _____

See additional requirements attached
Other requirements:

Tires must be certified for police use up to 125 MPH/200 KM/PH (sustained speed) by tire and auto manufacture.

Speedometer Certified calibrated with two (2) MPH/three (3) KM/PH increments.
Face to read: 0 MPH to ____ MPH - 0 KM/PH to ____ KM/PH
Instrument error to be a maximum plus or minus one (1) MPH/ two (2) KM/PH at all speeds between 10 to 100 MPH / 16 to 160 KM/PH, and geared to the road with the most accurate pinion gear available.

Steering □ Manual Steering × Power Steering
See additional requirements attached
Independent Power Steering Oil Cooler required
Standard dome light with map or reading lights
Ash tray light
Glove box light
Luggage compartment light
Under hood or engine compartment light
All standard courtesy lights as a group furnished to the retail trade
Cigar lighter
Dual horns
Heavy duty rubber floor: front and rear
Full Size Spare Tire
Easy fuel capless fuel filler
Deactivate Rear Doors / Windows
Non Glare Day-Night interior rear view mirror
Left hand outside manual mirror
Right hand outside manual mirror
Left hand outside remote mirror, Heated (549)
Right hand outside remote mirror, Heated (549)
Side marker LED sideview mirrors (63B)
Remote deck lid release -- electric -- control on driver’s side
Remote deck lid release -- manual -- control on driver’s side
Bumper guards -- front
Bumper guards -- rear
Protective Body side moldings color-keyed, installed
Tilt steering wheel
Disconnect door courtesy light switches
Power seat -- six-way
Power seat -- four-way
Power side windows
Power tailgate window -- station wagon
Power door locks
AM Radio -- standard push-button
AM / FM Radio with Clock
Dash speaker ______________ ohm ______________ watt ______________ inch/centimeter leads
Oil pressure gauge
Water temperature gauge
Ammeter
Halogen headlamps
Spotlights required as follows: 6” LED mounted on left side front door post (51T)
Front license plate bracket (153)

Standard per vehicle price as specified: ________________

Optional per vehicle price quotations are requested for the following Options:

Ballistic Door Panel (Level III) for driver’s door (90D) Per unit price __________
Ballistic Door Panel (Level IV+) for driver’s door (90F) Per unit price __________
CD-ROM of the service manual Per unit price __________
Hands free communications with programmable steering wheel mounted controls (53M) and (61S) Per unit price __________
Rear View Camera (87R) Per unit price __________
Reverse Sensing (76R) Per unit price __________
Pre-wiring for grille LED lights, siren, speaker (60A) Per unit price __________
Cargo wiring up-fit package (67G) Per unit price __________
Front headlamp lighting solution (66A) Per unit price __________
Tail Lamp lighting solution (66B) Per unit price __________
<table>
<thead>
<tr>
<th>Item Description</th>
<th>Code</th>
<th>Per unit price</th>
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<tbody>
<tr>
<td>18” 5-spoke full face wheel covers</td>
<td>65L</td>
<td></td>
</tr>
<tr>
<td>Police wire Harness Connector lit –front</td>
<td>47C</td>
<td></td>
</tr>
<tr>
<td>Police wire Harness Connector lit –rear</td>
<td>21P</td>
<td></td>
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<tr>
<td>Front headlamp/Police Interceptor Housing Only</td>
<td>86P</td>
<td></td>
</tr>
<tr>
<td>Vinyl Word Wrap –Police “reflective”</td>
<td>91F</td>
<td></td>
</tr>
<tr>
<td>Police Engine Idle Feature</td>
<td>47A</td>
<td></td>
</tr>
<tr>
<td>Cargo Storage Vault</td>
<td>63V</td>
<td></td>
</tr>
<tr>
<td>Rear Console Plate</td>
<td>85R</td>
<td></td>
</tr>
<tr>
<td>Dark Car Feature</td>
<td>43D</td>
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