



Winston-Salem

REQUEST for PROPOSALS

Networkfleet Automated Vehicle Location Solution

Pursuant to N.C.G.S. 143-129.8, sealed proposals endorsed **Networkfleet Automated Vehicle Location Solution** to be furnished to the City of Winston-Salem will be received by the City/County Purchasing Department in Suite 324, City Hall Building, 101 North Main Street, Winston-Salem, NC **until 12:00 Noon, Friday, June 9, 2017**. Instructions for submitting proposals and complete specifications may be obtained during regular office hours at the same location, or by contacting Jerry Bates via email jerryjb@cityofws.org or phone 336-747-6939. The City reserves the right to reject any or all proposals.

Jerry Bates
Purchasing Director

To obtain the complete proposal document contact Jerry Bates via email jerryjb@cityofws.org, phone 336-747-6939, or visit the Purchasing Department at same location from 8:00 A.M. to 5:00 P.M. Monday through Friday.

REQUEST FOR PROPOSAL

This Request for Proposal (RFP) invites resellers to submit proposals for Networkfleet's Automated Vehicle Location (AVL) solution. The City is seeking a turnkey enterprise deployment to all public safety and non-public safety vehicles. The turnkey deployment must include:

- Networkfleet 5500 Devices
- Applicable Harnesses, Connectors, and Connection Troubleshooting
- Wireless Network and Web Services
- Networkfleet Portal and Reporting
- Post-installation Support

Purpose

The City is interested in using the Networkfleet AVL solution to track the location and status of vehicles in our fleet to realize fuel savings, increase security and improve employee safety and productivity. The Networkfleet solution will allow City staff to map the location of vehicles and their status in real time. This will provide City departments with the ability to easily dispatch crews closest to service locations. In addition, the solution will allow staff to verify or disprove complaints of aggressive driving, long idle time or loitering. The solution will also be used in accident investigations and locating stolen vehicles.

General Requirements

- Solution must be provided with a 100% satisfaction guarantee
- Vendor must have been in business for a minimum of three (3) years
- Vendor must have at least 3 references that have implemented a similar Networkfleet solution

Vehicle Mounted Device

Networkfleet 5500 Device, meeting these hardware and software specifications (see 5000 Series Line Spec Sheet):

- Plug and play and support of the OBD-II port for all light and medium duty vehicles manufactured after 1996
- J1708 schemas for heavy duty vehicles manufactured after 1988
- J1939 for newer heavy duty vehicles
- Connect to the supported vehicle ports via a small ribbon cable that is 1 meter in length
- Allow diagnostic port access without removing the AVL device connection
- Will read diagnostics trouble codes sent to the OBD-II, J1939 and J1708 ports and record to the in-vehicle device
- Capability to store data when no wireless network is available and forward the data once a wireless network is available
- Have the ability to store up to 30 days of driving, location and vehicle performance data on the in-vehicle device
- Device will be powered directly from the OBD-II, J1708, or J1939 port
- Have the ability to detect report key-on and key-off events
- Self-contained GPS receiver, wireless packet data transceiver and Engine Computer Unit (ECU) data logger
- GPS, vehicle port and wireless packet data network indicator lights will be visible on the device
- Small wire clips will hold the device's connection to the OBD-II, J1708, or J1939 port
- Have a full range of adaptors to fit most major vehicle types
- Device will be fastened to vehicle with 2 wire ties and/or 2 Velcro straps
- Read the vehicle data ports every 20 seconds
- Transmit retrieved GPS location and speed data every 2 minutes or less
- Transmit the vehicle diagnostic data at least once per 24 hours
- The device shall be upgradeable over the air with no user interface required
- GPS location tracking data will be accurate within +/- 9 meters of true vehicle position
- Device shall include an internal Vehicle Device Antenna

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Installation

- Standard installation will require less than 30 minutes per vehicle
- Installation will not require wire splicing on OBDII, J1708 or J1939 compliant vehicles. Older vehicles may require splicing for power
- No screws or other obtrusive fasteners will be used for installation of device (unless a roof mount antenna is required)

Service Provisioning

- Service provisioning will have the capability to occur anywhere there is a web connection
- Service will also be available through a mobile application
- Device will be ready for use within 30 minutes of installation and service provisioning
- Vehicle adds, changes, moves, deletes should be easily accommodated by City staff
- Service includes national emergency roadside assistance, including towing, fuel delivery, locksmith, flat tire repair, winch-out and battery boost

Wireless Network and Web Services

- A flat rate, web and wireless packet data network
- Provide blanket (95%) coverage to Forsyth County, NC
- Be an “always on” connection and not require a session set up
- Web and Network Services should be a bundled service with one bill provided monthly, quarterly or annually
- Ability to geocode all locations
- Able to enter user defined landmarks
- Identify closest vehicle to a given location
- Ability to create user-defined geofences in order to monitor vehicle movement in to and out of a delineated area
- Ability to create multiple sub/master administrative accounts
- Recall notifications (based on NHSTA data base)
- Ability to push alerts/notifications out via email to administrators based on predefined conditions
- All data will be provided via web, web service or email
- No proprietary software will be required to license in order to use the product
- Provide for Application Programming Interface (API) support consistent with the City’s operating environment listed in Appendix C

Reporting

- Individual vehicle or fleet roll up reports
- “Bread crumb” tracking of last 30 GPS locations
- Begin and end of day report
- Speed violations report
- Odd hours report
- Stop detail report
- Stop detail and idle time report
- Drive time summary report
- Location report
- Performance report
- Fuel usage report
- Service report
- Vehicle performance indications

- Diagnostic trouble codes alerts
- Miles Per Gallon (MPG) report
- Idle report
- Landmark report – by landmark/vehicle & landmark by landmark
- Geofencing violation report – by entry/exit
- Greenhouse Gas Report
- Fleet utilization report

Training as needed

- Vendor must provide all necessary training and support documentation
- Vendor will offer onsite train-the-trainer training sessions
- Vendor will offer web-based training sessions

Support

- Warranty parts and labor (if applicable) for three (3) years
- Support will be accessed via a toll free number from 8am-5pm EST and web page
- Vendor maintenance plan must be an all-inclusive ‘flat-fee’ that will not require the City to pay any additional fees for changes, modifications, and updates requested throughout the year

Contract Period

The successful bidder to the RFP can expect an initial contract for a term of 3 years. Terms of this proposal reserve the right for the City to extend this Agreement for as many as two (2) additional twelve (12) month periods, provided that both parties are in agreement and funds are made available for this purpose. If the contract is extended the contract price may be adjusted by an amount not to exceed the Consumer Price Index as reported in the latest available Consumer Price Index for All Urban Consumers as reported on the U.S. Department of Labor Bureau of Labor Statistics website at the time the extension is pursued.

The successful bidder for this service will be required to execute the City’s “Independent Contractor Agreement,” a sample copy of which is attached to this document.

Pricing

Provide all prices with a short description for each of the components of the solution. Pricing will be valid for full initial contract term of three (3) years.

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