



CITY OF LAKE FOREST PARK

CITY COUNCIL

AGENDA COVER SHEET

Meeting Date	November 13, 2025
Originating Department	Police Department
Contact Person	Mike Harden, Police Chief
Title	Purchase of Four (4) ATS SpeedAlert 24 Radar Message Sign Trailers

Legislative History

- First Presentation November 13, 2025, Work Session
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Attachments:

1. ATS SpeedAlert 24 ATS 5 Information and Quotes
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Executive Summary

The traffic calming group requests approval to purchase four (4) ATS SpeedAlert 24 Radar Message Sign Trailers with License Plate Reader (LPR) capability to replace the City's 20+ year-old radar trailer. These solar-powered, ultra-portable trailers can be deployed by one person and offer speed-dependent messaging, flashing LED alerts, and real-time data reporting. Adding LPRs could improve officers' access to investigative data. This investment significantly enhances the City's Traffic Calming Program, enabling quick responses to speeding complaints, data-driven enforcement, and versatile use across the City. The trailers will also support Public Works and Police by serving as portable message boards for construction, detours, emergencies, and community events. The total initial investment is \$101,401.77, funded through either the Traffic Calming Fund or the Traffic Safety Fund (002), plus annual LPR subscription fees.

Background

The Traffic Calming Group, which includes the Police Department, Public Works, the Traffic Engineer, and soon a Senior Project Manager, requests approval to purchase four ATS SpeedAlert 24 Radar Message Sign Trailers. The City's current radar trailer is over 20 years old. It is bulky, requires two staff members to deploy, needs to be recharged with a cord, has limited battery life, and does not store traffic data such as speed or volume for analysis. These limitations hinder frequent deployment and reduce the City's ability to respond quickly to community concerns. To modernize operations, the traffic calming group recommends replacing this outdated trailer with four ultra-portable, solar-powered ATS SpeedAlert 24 Radar Message Sign trailers. Each unit is lightweight, can be deployed by a single staff

member (usually our traffic support officer), and features the option of using LPR technology. Purchasing four units will allow the City to provide broader, citywide coverage, resulting in faster response times and fewer delays, enabling multiple requests to be addressed simultaneously rather than waiting weeks. This investment will greatly enhance the City's Traffic Calming Program by expanding its ability to respond to speeding complaints, improve safety in high-risk areas, and offer flexible roadside messaging. The units will also support Public Works and Police by serving as portable message boards that can be quickly deployed across the city for community events, road closures, construction zones, or emergency messages.

This request is to purchase four (4) SpeedAlert 24 Radar Message Sign Trailers made by All Traffic Solutions (ATS), with the option of LPRs. This system will offer traffic calming, public messaging, and advanced data collection to support citywide safety and operational needs.

Features & Benefits

- **Speed-Dependent Messaging**
 - Custom messages (e.g., "Slow Down," "Too Fast!") based on driver speed.
 - Configurable thresholds and display timing.
- **Flashing LED Alerts**
 - Red/blue LED lights activate at high-risk speeds.
 - Adjustable thresholds provide maximum flexibility.
- **Ultra-Portable, Single-Person Deployment**
 - Lightweight, foldable, and solar powered.
 - Quickly deployed across the City by one staff member.
- **License Plate Reader (LPR) Integration**
 - Each trailer can be LPR-ready and fitted with a unit.
- **Web-Based Reporting (TraffiCloud®)**
 - Remote management and monitoring.
 - Automated traffic data reports, alerts, and system notifications.
- **Multi-Department Use**
 - Expands the City's Traffic Calming Program.
 - Provides Public Works with portable message boards for construction, detours, and public notices.
 - Provides Police with rapid-deployment tools for speed enforcement, traffic complaints, and community safety initiatives.

Fiscal & Policy Implications

Radar Message Sign Trailers (ATS SpeedAlert 24):

- One (1) Unit: \$25,375.12
- Two (2) Units: \$50,750.24
- Four (4) Units: \$101,401.77

Annual Subscription for LPR: \$5,000

Total Initial Investment (4 Trailers + 4 LPRs):

\$101,401.77 plus annual subscription costs

Funding Source:

This purchase will be funded through either the Traffic Calming Fund or the Traffic Safety Fund (002).

Staff Recommendation

Review and discuss the purchase of Four (4) ATS SpeedAlert 24 Radar Message Sign Trailers with the option of License Plate Readers at a total cost of \$101,401.77, plus annual subscription costs.