



# CITY OF LAKE FOREST PARK

## CITY COUNCIL

### AGENDA COVER SHEET

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<b>Meeting Date</b>	December 11, 2025
<b>Originating Department</b>	Police Department
<b>Contact Person</b>	Mike Harden, Police Chief
<b>Title</b>	Resolution 25-2049/Authorizing the Purchase of Four (4) ATS SpeedAlert 24 Radar Message Sign Trailers

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#### Legislative History

- First Presentation November 13, 2025 Work Session
  - Second Presentation December 11, 2025 Regular Meeting
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#### Attachments:

1. Resolution 25-2049
  2. 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 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. 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 \$85,403.66, funded through the Traffic Safety Fund (002), plus an annual traffic suite subscription fee.

#### Background

The Traffic Calming Group, which includes the Police Department, Public Works, Traffic Engineer, and 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, and 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 To modernize operations, the traffic calming group recommends replacing this outdated trailer with four ultra-portable, solar-powered ATS SpeedAlert 24 Radar Message Sign trailers.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). 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 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):

- Two (2) Units: \$42,751.18 (optional quote attached)
- Four (4) Units: \$85,403.66

Annual Subscription (Traffic Suite): \$1,500

Total Initial Investment (4 Trailers + 4 LPRs):

\$85,403.66 (plus annual subscription costs)

**Funding Source:**

This purchase will be funded through the Traffic Calming Fund or the Traffic Camera Revenue Fund (002).

**Staff Recommendation**

Approve Resolution 25-2048/Authorizing the Purchase of Four (4) ATS SpeedAlert 24 Radar Message Sign Trailers with License Plate Reader (LPR) at a total cost of \$85,403.66, plus annual subscription costs (\$1500.00). Authorize the Police Chief to execute all necessary agreements and subscriptions, using funds from the Traffic Calming Fund or Traffic Camera Revenue Fund (002).