

TRAFFIC TECHNOLOGY

City Council Work Session
May 23, 2023



Council Initiative - Background

City Council tasked staff to research traffic technology through Public Works and the Police Department

This presentation will include research into:

- 1) Photo Radar (AVIS)
- 2) Red Light Cameras
- 3) Photo Noise Enforcement
- 4) Noise Monitoring Sensors

Photo Radar

- Colorado State Law allows municipalities to adopt an ordinance authorizing the use of an Automated Vehicle Identification Systems (AVIS), also known as photo radar. AVIS key points:

- Permitted Locations
- Staffing
- Historical Data



Photo Radar: Status and Cost

- Benefits of AVIS:
- Cost of the unit would typically be covered by the revenue generated over time

Red Light Cameras

Red Light Cameras are a tool utilized at intersections experiencing a high number of right-angle crashes.

- Evidence of red-light cameras
- Federal Highway Administration guidelines
- Public Works views Red Light Cameras as a safety tool



Photo Noise Enforcement

Photo noise enforcement technology is in the early stages of development.

Key points:

- Jurisdiction noise ordinance
- Employee requirements
- Challenges
- Providers

Noise Monitoring Sensors

- Noise monitoring sensors can be installed in the community either on city buildings and/or other infrastructure like traffic signals and streetlights.
- Utilization
- Public Works Priorities

Estimated Costs

- Photo Radar (Speed Vans)
 - 3 Employees (\$67K/year = \$201,000/year)
 - 2 Vehicles (5,300/month = \$127,200/Year)
- Red Light Cameras – Mobile
 - One Camera System (\$5,800/month = \$69,600/year)
 - Could be maintained by photo radar employees



Questions

