

License Plate Recognition Expansion Project

April 27, 2021

The logo for Addison, featuring the word "ADDISON" in a bold, blue, sans-serif font centered within a white circle. This circle is set against a blue background that is part of a larger graphic element on the right side of the slide, which includes a white diagonal line and a grey triangular corner.

- Bond Election was held on May 12, 2012.
- Proposition 5 (\$2,000,000): Voters approved funds in the 2012 bond election for a city-wide wireless application; a secure network infrastructure for video, data and voice applications for the First Responders, and the protection of certain infrastructure areas in the amount of \$2 million.
- July 11, 2017 – Council identified seven (7) strategic pillars and ten (10) milestones including:
 - Gold standard in Public Safety (Pillar).
 - Maximize the use of cutting technology to improve Addison Public Safety mission (Milestone).
- January 23, 2018 – Council discussed perception of safety and directed staff to develop and recommend a coherent Crime Prevention & Mitigation Strategy.

July 10, 2018 – Staff recommended a phased implementation strategy for a Pilot and a Master plan implementation:

- Pilot Project: Short-Term Strategy
 - ❑ Single-family Neighborhoods (LPR)
 - ❑ White Rock and Easement Trails (Optical Cameras)

- Citywide Deployment: Long-Term Strategy
 - ❑ Single and Multi-Family Residential Areas (LPR)
 - ❑ Commercial Areas (LPR)
 - ❑ Parks and other Town Facilities (Optical Cameras)

To maximize the use of cutting edge technology to improve Addison's Public Safety mission by identifying the most efficient and effective technologies to enhance its crime prevention and mitigation strategies. These technologies may include an array of the latest technologies, including license plate recognition, video capture, and other applications such as facial recognition.

Project History – Pilot Project

October 23, 2018 - Council approved a License Plate Recognition (LPR) and Optical Camera Pilot Project in an amount not to exceed \$600,000 to install:

- Twenty (20) LPR cameras at eight (8) intersections and neighborhood entrances at the following locations:
 - ❑ Oaks North Drive and Belt Line Road
 - ❑ Belt Line Road and Winnwood Road
 - ❑ Celestial Road and Montfort Drive
 - ❑ Proton Drive and Midway Road
 - ❑ Beltway Drive and Marsh Lane
 - ❑ Surveyor Boulevard and Belt Line Road
 - ❑ Beltway Drive and Midway Road
 - ❑ Palladium Drive and Montfort Drive
- Seven (7) Optical Cameras at the following locations:
 - ❑ White Rock Creek (2 cameras): One at each entrance
 - ❑ Easement Park (5 cameras): Fire Station 2, Dog park, Bush Elementary School, and 2 cameras at the March Lane entrance

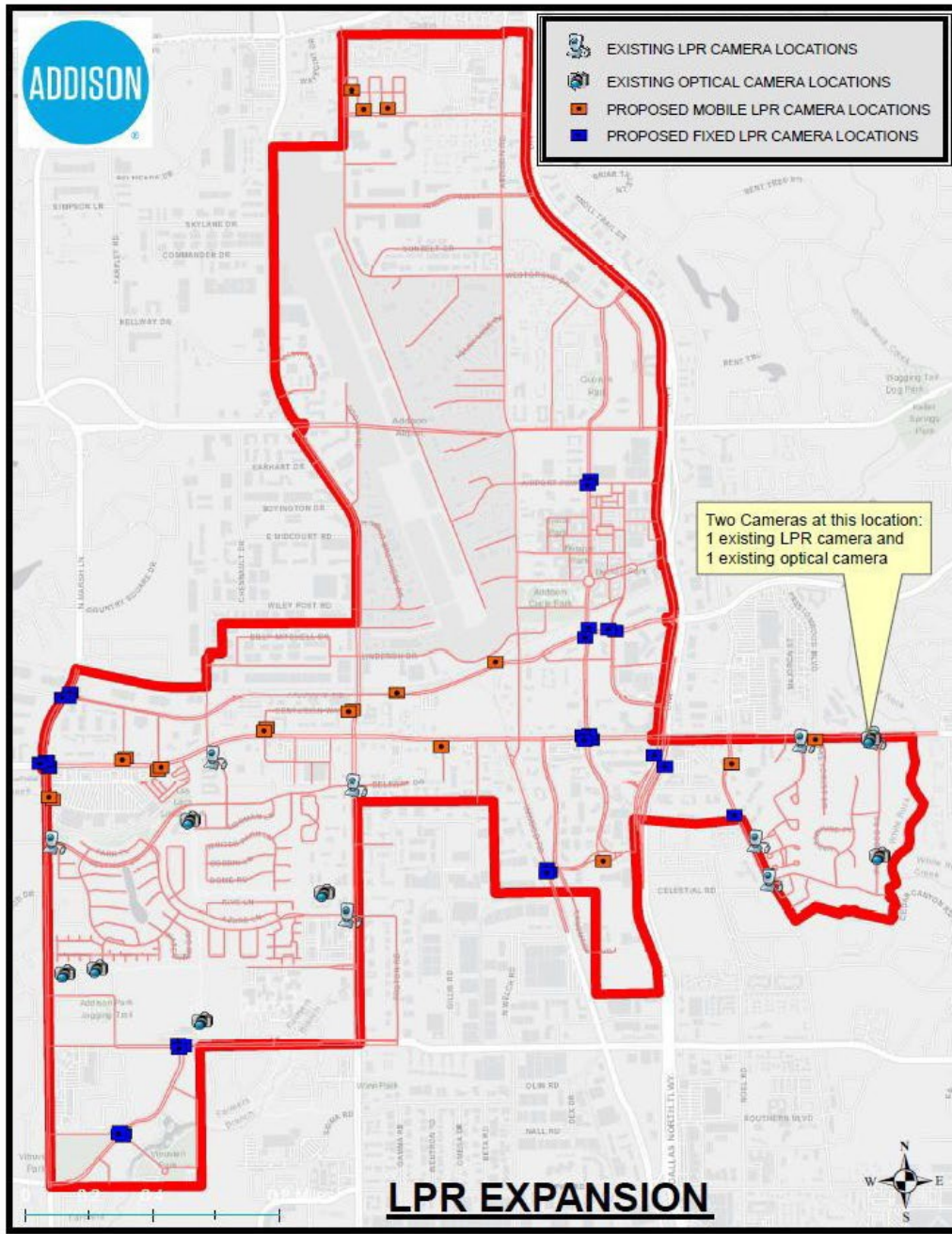
- August 25, 2020 - Chief Paul Spencer updated Council on the data collected during the Pilot Project including lessons learned and the successes achieved. Consequently, Council directed staff to expand the Pilot Project.
- December 08, 2020 – Chief Spencer presented the latest updates to the **Town's Public Safety Data Management Policy**.
- October 2020 thru January 2021 – Staff tested two (2) additional LPR systems and eventually decided to continue using the Vigilant technology for the LPR expansion phase. No RFP was released for the LPR expansion phase.

Long Term Strategy – Proposed LPR Expansion

The logo for Addison, featuring the word "ADDISON" in white capital letters inside a blue circle.

- Vigilant will install a total of Sixty (60) LPR cameras, twenty (20) mobile and forty (40) fixed cameras at twenty-three (23) locations recommended by Chief Paul Spencer:
 1. Marsh Lane and Arapaho Road
 2. Spring Valley Road and Vitruvian Way
 3. Arapaho Road and Spectrum Drive
 4. Inwood Road and Landmark Place
 5. Northbound Dallas Parkway Service Road Wholefoods
 6. Montfort Drive South
 7. Montfort Drive and Belt Line Road
 8. Apartment Complex Westgrove Drive and Sojourn Drive
 9. Business Avenue and Belt Line Road
 10. Belt Line Road and Beltway Drive
 11. Arapaho South of Airport
 12. Commercial Drive and Belt Line Road
 13. Quorum Drive and Dallas Parkway
 14. Ponte Avenue and Vitruvian Way
 15. Arapaho Road and Quorum Drive
 16. Quorum Drive and Belt Line Road
 17. Quorum Drive and Airport Parkway
 18. Lake Forest Drive entrance
 19. Marsh Lane and Belt Line Road
 20. Town Center and Marsh Lane
 21. Runyon Rd. and Belt Line Road
 22. Centurion Way and Midway Road Service Road by Addison Walk
 23. Southbound Dallas Parkway

- EXISTING LPR CAMERA LOCATIONS
- EXISTING OPTICAL CAMERA LOCATIONS
- PROPOSED MOBILE LPR CAMERA LOCATIONS
- PROPOSED FIXED LPR CAMERA LOCATIONS



LPR EXPANSION

LPR Expansion Project Cost

LPR Expansion Project Cost Plus 4 years hardware, software, Licenses, and Database Access Fees, is \$762,043.50:

- Expansion Project Cost \$459,288.50
- Existing LPR Cameras Upgrade \$42,035.00
- 4 Years Commercial Data Access \$33,520.00
- 4 Years License Fee (50 Sworn Officers) \$81,600.00
- 4 Years Hardware Replacement Warranty \$145,600.00

LPR Project Cost

	Pilot Project	Expansion Project	Total
LPR Implementation Cost	\$483,029.26	\$762,043.50	1,245,072.76

Questions?