



# Pole Mounted Speed Display Signs Pilot Program

Board Transportation Committee  
March 26, 2019

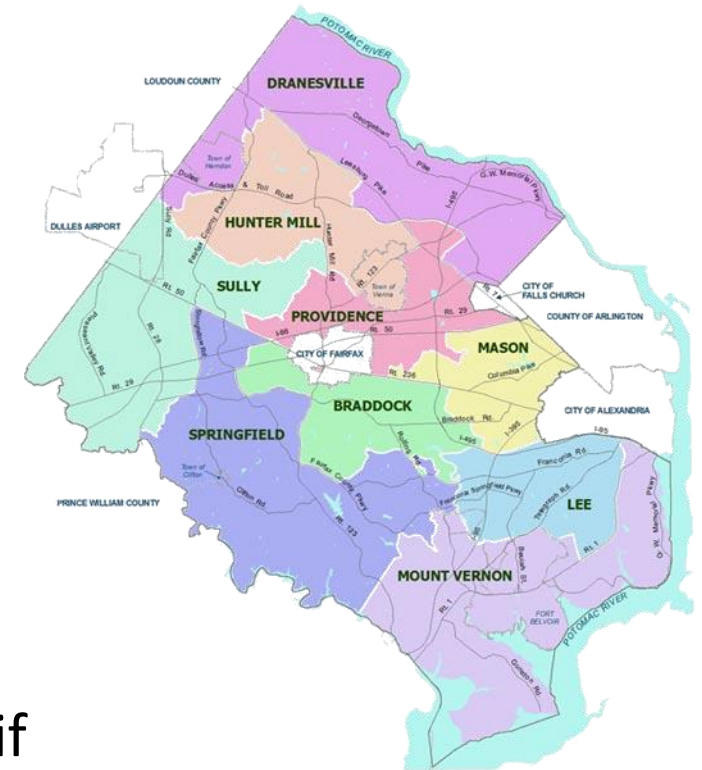
Vanessa Holt, Engineer IV  
Traffic Engineering Section  
Fairfax County Department of Transportation

# Purpose and Background

- To review the proposed framework for a Pilot Program for Pole Mounted Speed Display Signs (PMSD)
- Funding in the amount of \$30,000 was approved by the Board of Supervisors (BOS) on September 25, 2018. Staff was directed to review and coordinate speed display sign data collection between FCDOT and FCPD.

# Goals of Pilot Program

- Reduce speeding on residential streets
- Data sharing among FCDOT and FCPD
  - Data available through a cloud-based interface, where FCDOT and FCPD will have reciprocal access
- Evaluate FCDOT staffing needs to administer the program
  - Current allocated funding is sufficient for purchase of 4 signs, and 2 years of access to cloud data management
  - Additional future funding will be needed for cloud data access /management, and to purchase additional signs, if desired
  - FCDOT will track staff effort during Pilot year to inform future needs

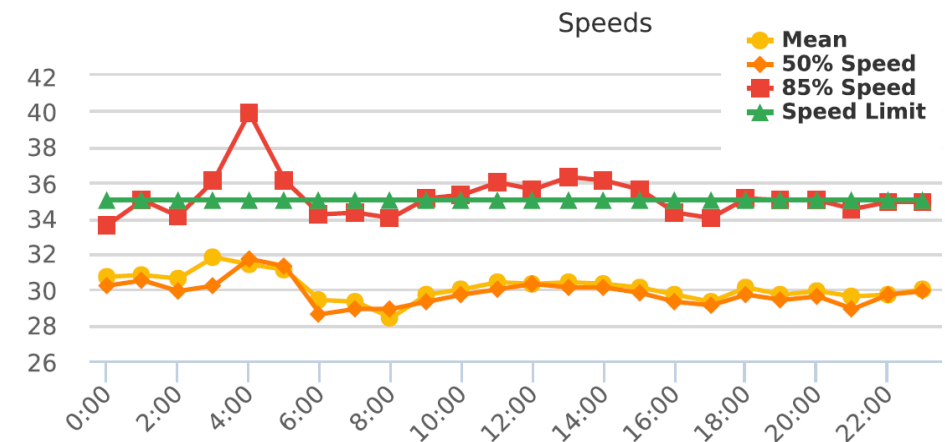


# Pilot Program

- One-year Pilot Program
- Four PMSD signs being purchased and will be managed by FCDOT
  - 2 signs installed at each of 2 locations at one time
  - Battery powered signs with 12-inch speed digits
- Anticipate installation by current staff at 9 locations during pilot year (one per District)
  - Program expansion would require additional staff to manage

# Eligible Roads

- Criteria required by VDOT
- State (VDOT) maintained residential and/or pedestrian oriented roadways
- Speed limit less than or equal to 40 mph
- 85<sup>th</sup> percentile speed exceeds the posted speed limit by at least 10 MPH (to document an actual speeding issue)
  - Same as traffic calming criteria
- Selection criteria will be refined based on the findings of the Pilot Program



Source: All Traffic Solutions

# Sign Location Selection Criteria

- FCDOT will determine location priority based on:
  - Evaluation of existing speed problem
  - Input from Board of Supervisors and staff
  - Geographic location
  - Feasibility of installation
  - Coordination with FCPD, including data collection
- Sign placement duration - Likely 6 weeks total per location
  - 1 week dark for “before” data collection, 4 weeks on, 1 week dark for “after” data collection to document changes in driver behavior



Source: All Traffic Solutions

# Sign Installation Details

- Installation of 2 signs at each location is anticipated to take one day
  - Sign batteries will need to be charged and replaced weekly
- Pilot program will be deployed using existing FCDOT staff
- Signs require ongoing, remote interaction with device via cloud software throughout the 4-week installation period, and periodic visits to check equipment



*Source: All Traffic Solutions*

# Evaluation of Pilot Program

- Impacts of signs:
  - Effective at reducing speeds?
  - More effective at certain locations?
- Evaluation of:
  - Signs and equipment
  - Installation processes, staff time required
  - Cloud software interface; how do we use data sharing with FCPD?
- Potential need for follow-up at some locations, based on results/data



# Questions and Discussion