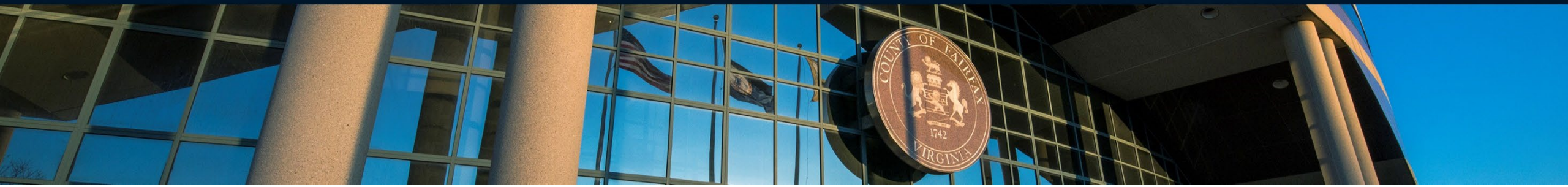
FAIRFAX COUNTY
VIRGINIA

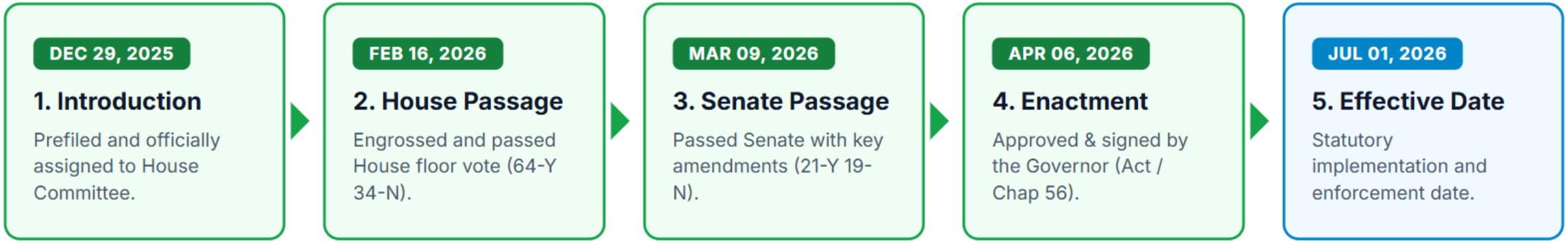


Fairfax County Police Department Noise Abatement Pilot Program Update

Deputy Chief Jeff Reiff, Operations Support Bureau Commander, FCPD
Major Matt Lane, Traffic Division, FCPD
Seargent Darrell Estess, Traffic Division, FCPD

September 22, 2026

BACKGROUND

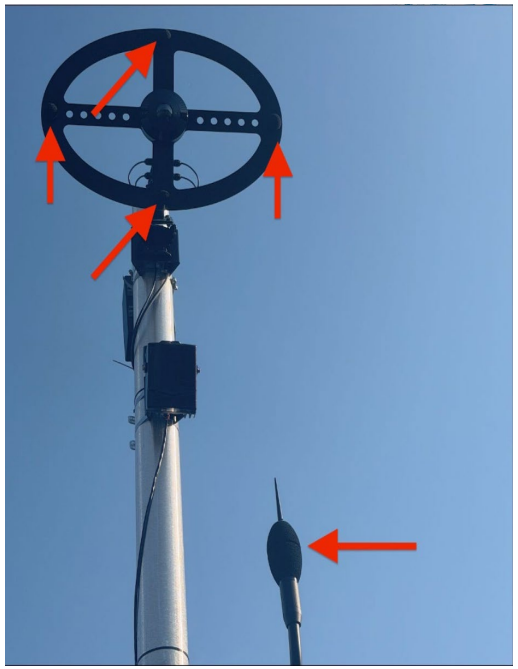


- **Effective July 1, 2026, HB55, enacted into law as Code of Virginia § 46.2-1051.1. (Expires July 1, 2028) Noise abatement monitoring systems; local pilot programs; civil penalties.**
- "Exhaust system violation" means the operation of a passenger car or a commercial motor vehicle, as that term is defined in § 46.2-341.4, that has an exhaust system that emits noise in excess of 95 A-weighted decibels (dBA) or is in violation of a state ordinance enacted pursuant to § § 46.2-1051.1.
- Local governing body of any county or city in Planning District 8, Planning District 9, or Planning District 15 may place and operate noise abatement monitoring systems on any highway located in the locality for the purpose of recording and enforcing exhaust system violations.

- System
- Pilot
- Implementation
- Timeline
- Next Steps



- Four-Point Halo Microphone determines depth and space clearly identifying the noise location.
- A fifth microphone below measures sound pressure levels and connects to a wide-angle camera that “watches” the sound move similar to the reticle of a LiDAR system.
- Two high-definition, directional cameras are taking separate videos of the passing vehicles. This provides a double-blind video evidence of the noise plus the vehicle in question.
- When the red reticle is on the moving vehicle in video, it shows that this vehicle is the violator.
- Timestamped, court defensible evidence package with audio, video, and documentation.






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PROGRAM SPECIFICS



- A conspicuous sign shall be placed within 1,000 feet
- Enforcement limit is 95A-weighted decibels(dBA)
- Must be approved within 30 days of the violation date
- Fines are not to exceed $100
- No DMV record
- Penalties collected are paid to the locality where the violation occurred
- Unpaid violations will be eligible for all legal collection activities

PILOT PROGRAM

- 90-Day
  - 30-Day warning period
  - 60-Day enforcement period
- Will consist of 2 cameras
  - Tyson Corner- Westpark Dr/ Jones Branch Dr
  - Hybla Valley- Richmond Hwy/ Lockheed Blvd
- The pilot will be staffed using sworn officers
  - We cannot use retired law enforcement officers due to code restrictions
- The vendor is paid a fixed rate of $9,500 for the pilot

Timeline

Step 1

- Initial site survey

Steps 2-4

- Site plans
- Permit package
- Execute pilot agreement

Step 5

- VDOT submittal for permit approval (45-60 Days)

Step 6

- Blue Line Solutions installation of equipment 1-2 Weeks

Step 7

- Dominion Power connection 4-6 weeks

Next Steps

Installation

BLS will commence installation within 1-2 weeks of receiving VDOT approval.

Dominion Power connection 4-6 weeks after installation

Training

BLS will provide agency training using Fairfax County data on the first day of the warning period.

Public Information & Education (PI&E)

BLS will provide PI&E materials, including social media content and draft press releases, to educate the community before the warning period and during enforcement.

Fixed Site

Pole height: 20 feet

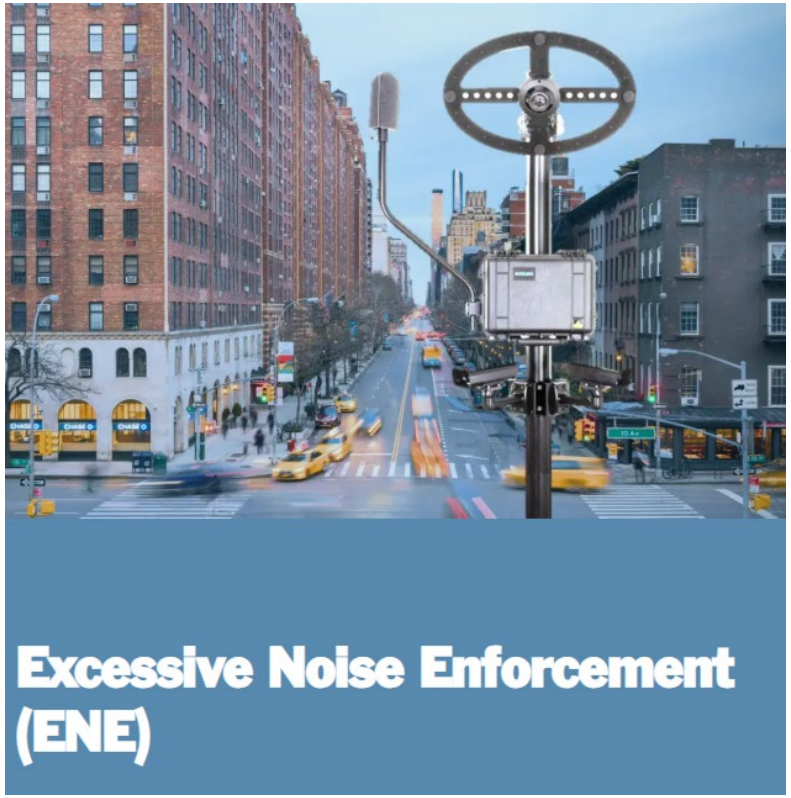
System mounting height: 16-20 feet

Distance from roadway edge: Approximately 10 feet, subject to VDOT approval

Monitoring capacity: Up to 2 lanes per system

Mobile Site Evaluation

This option is currently under development and will not be available for the pilot program.



Expansion

New locations will be evaluated based on pilot program data

- Calls for service and citations
- Complaints received from consumers through community partners
- Requests from the Board of Supervisors



Questions?