

# Emergency Vehicle Preemption

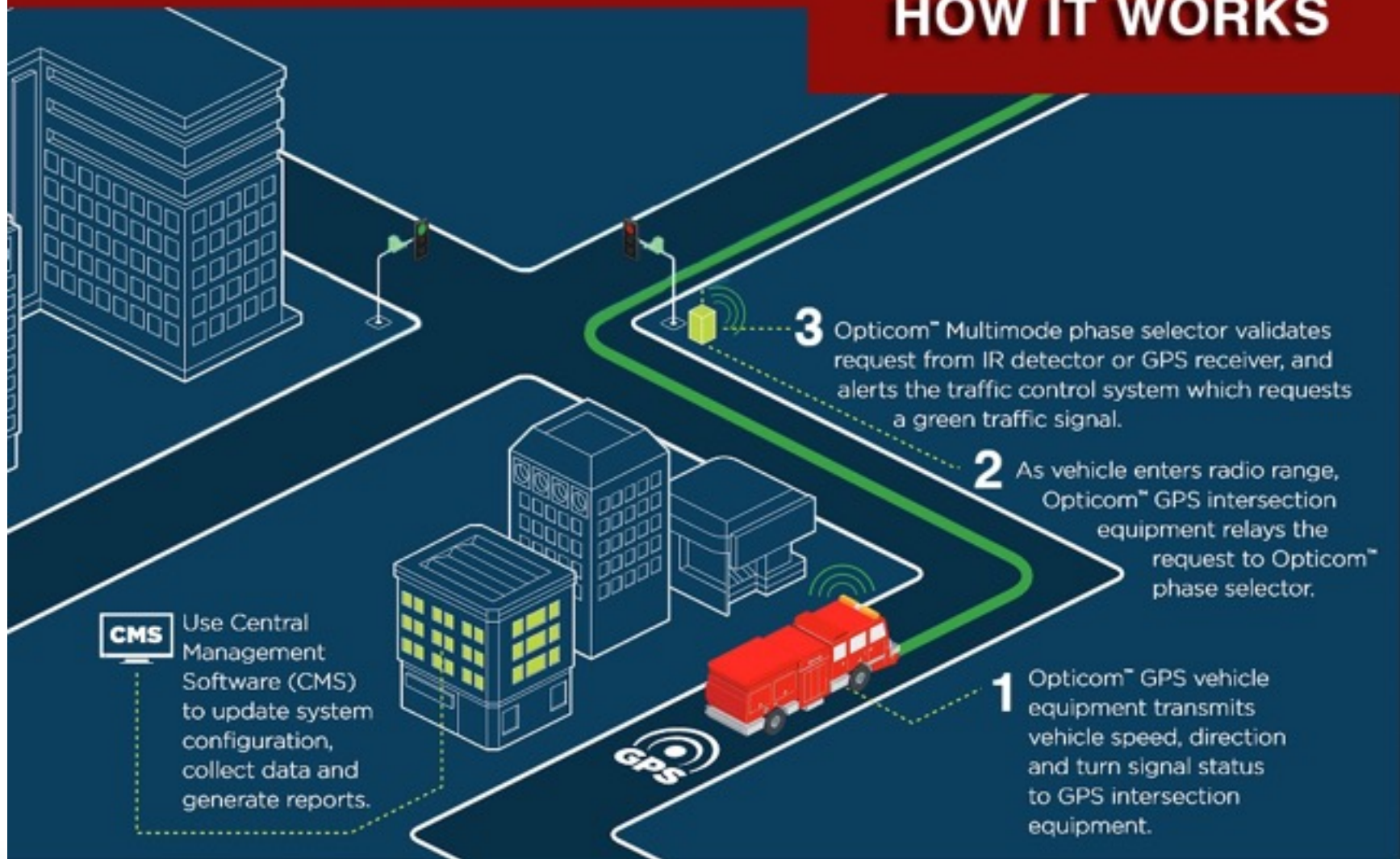
*“Extending Our Reach”*

- + Assistant Chief John Caussin
- + Strategic Planner, Laurie Stone
- + Captain Brian Edmonston



# EMERGENCY VEHICLE PREEMPTION

## HOW IT WORKS



# Why we need emergency vehicle preemption?

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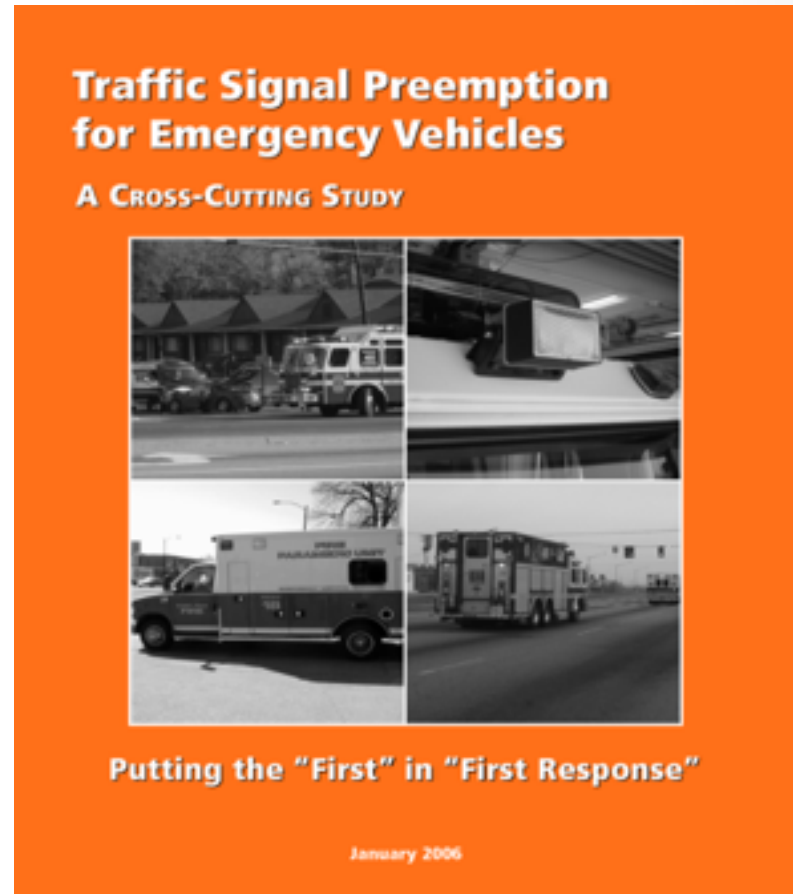




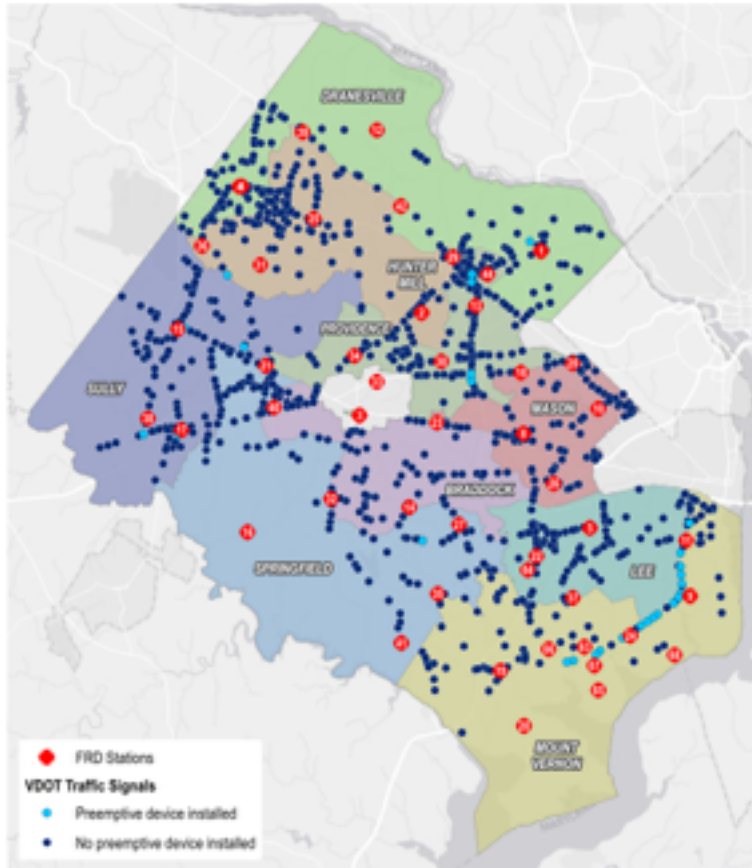
# NHTSA Study: Fairfax emergency vehicle preemption

## Benefits of EVP:

- + Help reduce the risk of accidents at intersections
  - Improved safety and reduced liability
- + Better response times
  - Reducing response times anywhere between 14–23 %  
*\*Approx. 70 seconds on a route with 3 to 6 signalized intersection*



# Implementing Preemption Technology



## + Strategic Initiative to Expand Emergency Vehicle Preemption (EVP)

- Cooperative Partnership with Stakeholders
  - VDOT, FCDOT, WMATA
- Fostering Interoperability
  - Prince William County, Loudoun County, Fairfax City, Town of Herndon, Town of Vienna

## + Pursuing Various Funding Sources

- Grant Funding
  - Assistance to Firefighters, Northern Virginia Transportation Authority, DOT Grants (TIGER)
- CIP Funding
- Development Proffers

# Summary of Benefits



## OPTICOM<sup>®</sup> BENEFITS

### PREVENT INJURIES

AND  
RELATED  
COSTS



OFFER **QUICK  
PAYBACK**  
ON YOUR  
INVESTMENT



### DECREASE LIABILITY

FOR CRASHES  
WITH OTHER  
MOTORISTS



\*Independent studies available upon request

## OPTICOM<sup>®</sup> SOLUTIONS



GLOBAL TRAFFIC TECHNOLOGIES

