



County of Fairfax, Virginia

MEMORANDUM

DATE: March 19, 2019

TO: Martha Reed
Capital Projects Coordinator
Department of Management and Budget

FROM: Laurie Stone
Planning Section Manager
Fire and Rescue Department

SUBJECT: Planning Commission CIP Workshop

The Fire and Rescue Department (FRD) is providing the following responses to the questions asked at the Planning Commission CIP Workshop on March 13, 2019.

- 1. Does the Smart Cities initiative provide any opportunities for future connectivity as it relates to preemptive devices?*** The GPS emergency vehicle preemption (EVP) technology is 100% compatible with smart cities technologies. Once Fairfax County Government fully implements smart cities technology, coordination with VDOT and the towns of Herndon and Vienna who own the traffic signals will need to occur to make the connection.
- 2. Are preemptive devices compatible with all apparatus, including reserve vehicles?*** EVP technology is fully compatible with all apparatus. All county-owned and volunteer-owned FRD apparatus purchased since 2016 have emitter devices installed at the factory. Apparatus purchased prior to 2016 are being retrofitted to include the devices.
- 3. Can you provide a map of where preemptive devices exist today and where they are planned in the future?*** Attached is a map of the traffic signals with preemptive devices. FRD established an EVP phased plan which prioritizes future EVP installations on traffic signals along the heaviest travelled roadways. EVP funding provided through proffers is applied to traffic signals which directly impact each new development. FRD's overarching goal is to install EVP on all 1,000+ traffic signals within Fairfax County.
- 4. What is the process for including an intersection in the plan for preemption? Can preemptive devices be concentrated near hospitals where traffic is heavy?*** FRD established an EVP phased plan which designates priority corridors based on traffic volumes within Fairfax County. Currently, preemption devices are installed on traffic signals near hospitals such as along Gallows Road near Fairfax Hospital.



5. ***Can staff be sure to work with VDOT on major road projects to include preemptive devices into their contracts when possible?*** FRD staff continues to collaborate with VDOT, WAMATA, and FFX Connector in an attempt to include EVP in their projects.
6. ***Can Fire Department staff work with DPZ to ensure that the need for preemptive devices are flagged in rezoning cases and included in DPZ staff reports?*** FRD planning staff reviews all rezoning cases and provides comments on the potential impact of each new development as well as requests an EVP contribution commensurate with the size of the development. DPZ staff supports FRD's EVP initiative and includes a contribution for preemption devices in their staff reports.
7. ***What does the term "infill station" on page 137 refer to?*** An infill station is an additional fire station located between existing fire stations which is determined by future emergency service needs and available land within the County. The Scotts Run Fire Station 44 is an example of an infill station which was based on the projected emergency service needs in the Tysons area.
8. ***Can we fund preemptive devices through CIP projects already approved?*** All FRD CIP projects for either new or expanded fire stations include funds for EVP to be installed on the traffic signal close to the station to ensure fast and safe response to emergency incidents.

Please contact me at 703-246-3889 if you have any additional questions.