

SPLOST 2020 Program

Transportation & Public Works Department
Proposed Project Presentations
January 23, 2018



Transportation & Public Works Department

Project #16 – Fire Station Signal Preemption

Provide traffic control to improve Fire Department emergency response

Two types:



Fire Station Egress (Camden, Delaware)



Traffic Signal Preemption (Texas)

Transportation & Public Works Department

#16 – Fire Station Signal Preemption 1 of 3

Project #16 – Fire Station Signal Preemption

Fire Station Egress:

- Stops traffic to provide emergency egress from fire stations.
- Fire Chief has identified opportunity at the following stations:
 - 1: Jackson St / College Ave (Downtown)
 - 2: Cleveland Road at Callaway Drive
 - 3: S Milledge Ave at S Lumpkin St
 - 7: Barnett Shoals near College Station Rd
 - 8: Jefferson Road



Project #16 – Fire Station Signal Preemption

Traffic Signal Preemption:

- Provides priority to fire vehicles at key intersections
- Systems extend the green or shorten the red depending on where it falls in the cycle
- From FHWA, response times decrease between **14% and 50%** in several cities
- From FHWA, St. Paul, MN realized a **70% decrease** in crashes with emergency vehicles
- T&PW would analyze routes to determine intersections that are top priority for preemption



FHWA: Traffic Signal Timing Manual