

| Agenda Item | cover sheet

for consideration by the Apex Town Council

Item Type: CONSENT AGENDA

Meeting Date: February 28, 2023

Item Details

Presenter(s): Russell Dalton, Traffic Engineering Manager

Department(s): Transportation & Infrastructure Development

Requested Motion

Motion to approve Capital Project Ordinance Amendment 2023-5 for GPS Emergency Vehicle Preemption project

.Approval Recommended?

Yes

Item Details

In the first year, this project includes installing GPS preempt in 10 traffic signals and outfitting all fire trucks with GPS preempt capability. Future years include adding GPS preemption at 10 signals/year, prioritizing major corridors (including NC 55, Salem Street, Center Street/Ten Ten Road, and Apex Peakway), and various signals adjacent to those major corridors. Without this system, time-saving benefits of having preemption for multiple directions of traffic flow along major routes would not be realized. Existing infrared preemption is only available for certain directions at four signals town wide and Apex Fire Department no longer has infrared emitters.

This project was budgeted in the FY 2022-2023 Annual Operating budget. However, expenditures were held until February 2023 due to a pending notice of a federal grant award where the funds would have been needed as a match toward a larger town wide signal system project. Apex was not awarded the grant this February, so staff have restarted the effort this month with scoping design and updated equipment pricing from the vendor. NCDOT approvals as well as equipment purchase and installation is expected to extend beyond June. This request moves funds already appropriated to a Capital Project Fund as staff prepares for implementation in four phases.

Attachments

- CN5-A1: Capital Project Ordinance Amendment 2023-5 - GPS Emergency Vehicle Preemption

