Project Number:	LR078	**Asset Type:**	Long Range Communications	**Budget Year:**	2017
Project Title:	Fire Station Alerting Systems(FSAS)	**CIP Status:**	No Change	**Category Code:**	A
Department Name:	Fire	**Project Category:**	Capital Upgrade	**Sector:**	Various

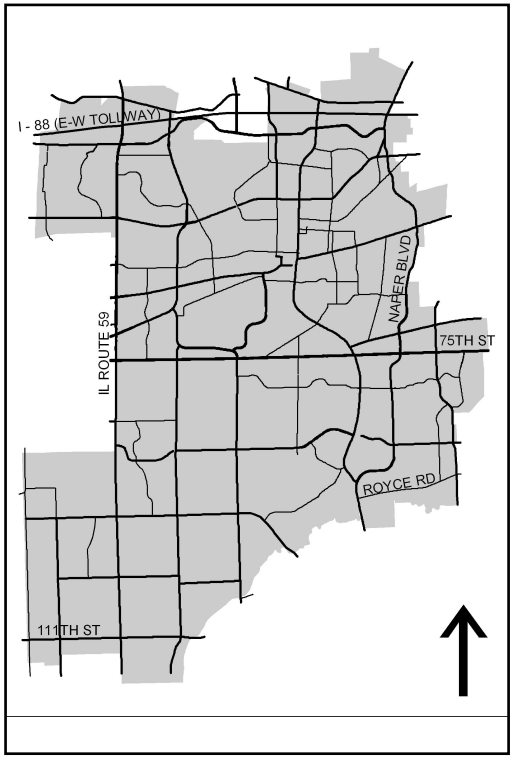
Project Purpose:

To replace the existing fire station alerting system.

Project Narrative:

The Fire Station Alerting System (FSAS) is a Voice over Internet Protocol (VoIP) based communications network providing communications between Naperville's Public Safety Answering Point (PSAP) and each Fire Station for seamless and immediate response. During the re-accreditation process in 2012, the Naperville Fire Department identified shortcomings in software and hardware supporting the current station alerting systems and identified a need to replace or repair components that appear to impede radio signals between the PSAP and station alerting system. The FSAS will serve as a replacement for the existing Zetron system, which has proven a contributing component toward increasing total response times to emergency incidents.

The FSAS provides visual and audible incident alerts and two-way voice communications between dispatchers, fire and EMS personnel to assist in reducing response times, enhancing communications and streamlining operating procedures. PURVIS is interfacing their FSAS with the City's computer aided dispatch (CAD) and radio systems to fully automate dispatching of fire and EMS calls. Using CAD interfaces will automatically alert fire stations during an incident and can also use automated control of other existing generic devices in and around a fire station. Examples include changing traffic signals outside a station when an incident is received, automatically opening garage bay doors and turning off stoves or other appliances in stations. The system is highly configurable and meets specific requirements of the NFD. Alerting devices being installed with the system include flat panel displays, multi-colored incident lights, speakers, printers and generic device controls. Ramped audio tones and low intensity lighting will help reduce stress on fire and EMS personnel. Automated real-time system monitoring and built-in redundancy throughout every aspect of the system will ensure a high level of system reliability and availability.



External Funding Sources Available:

Projected Timetable:

Project will begin in CY2016 and end in CY2017.

Impact on Operating Budget:

There will be minimal impact on the Operating Budget.

Funding Source Summary

Funding Source	2017	2018	2019	2020	2021	**Total Source**
Unfunded Capital	360,900	350,000	0	0	0	**710,900**
Totals	**360,900**	**350,000**	**0**	**0**	**0**	**710,900**

Project Cost Summary

Expense Category	2016 Budget	2017	2018	2019	2020	2021	**Total CIP**
Equip. & Maint.	350,000	360,900	350,000	0	0	0	**710,900**
Totals	**350,000**	**360,900**	**350,000**	**0**	**0**	**0**	**710,900**