

PSEG LONG ISLAND

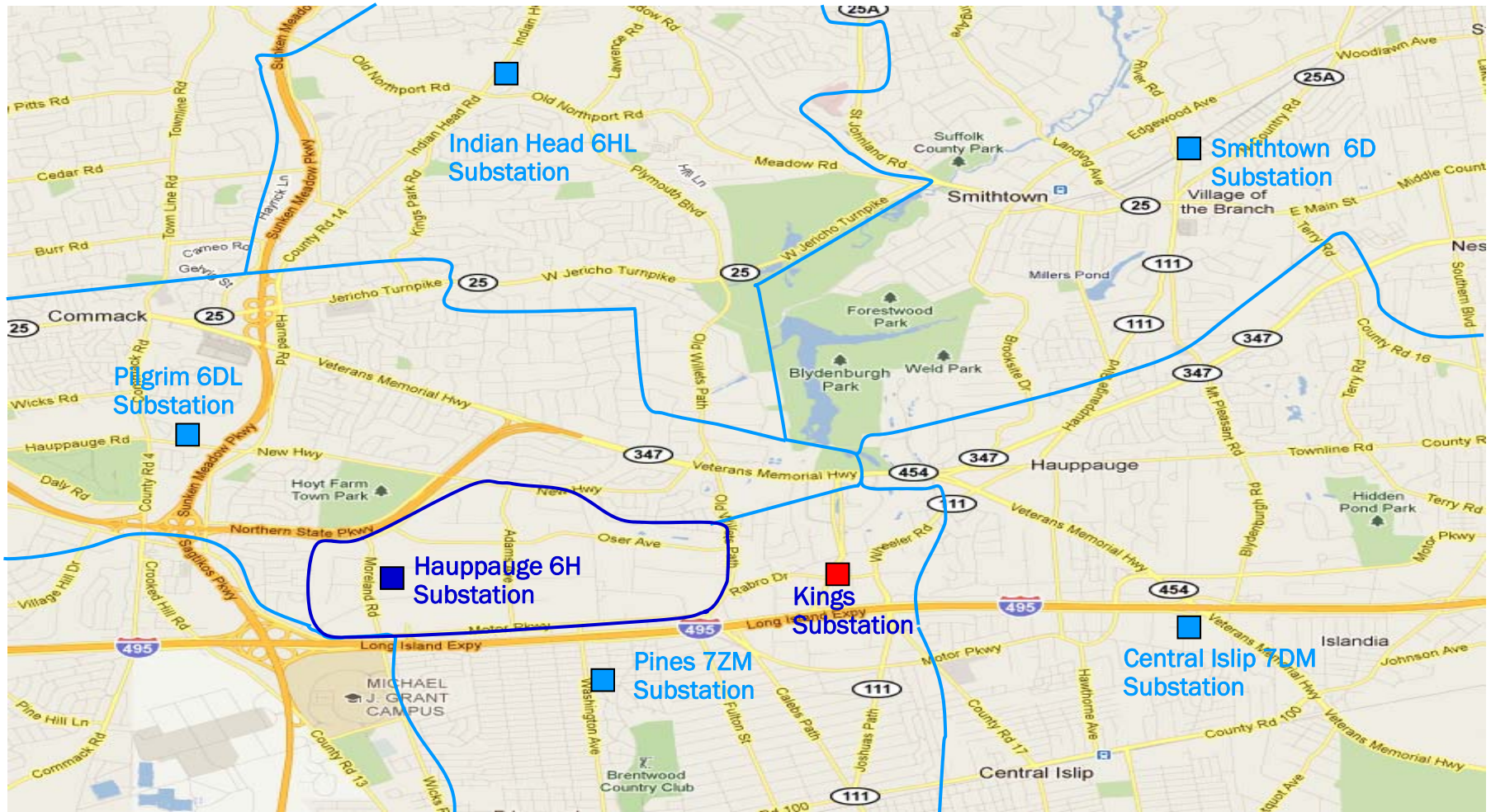
ENSURING RELIABILITY IN THE HAUPPAUGE AREA: KINGS SUBSTATION



PSEG LONG
ISLAND

We make things work for you.

Area Overview



Why a Kings Substation?

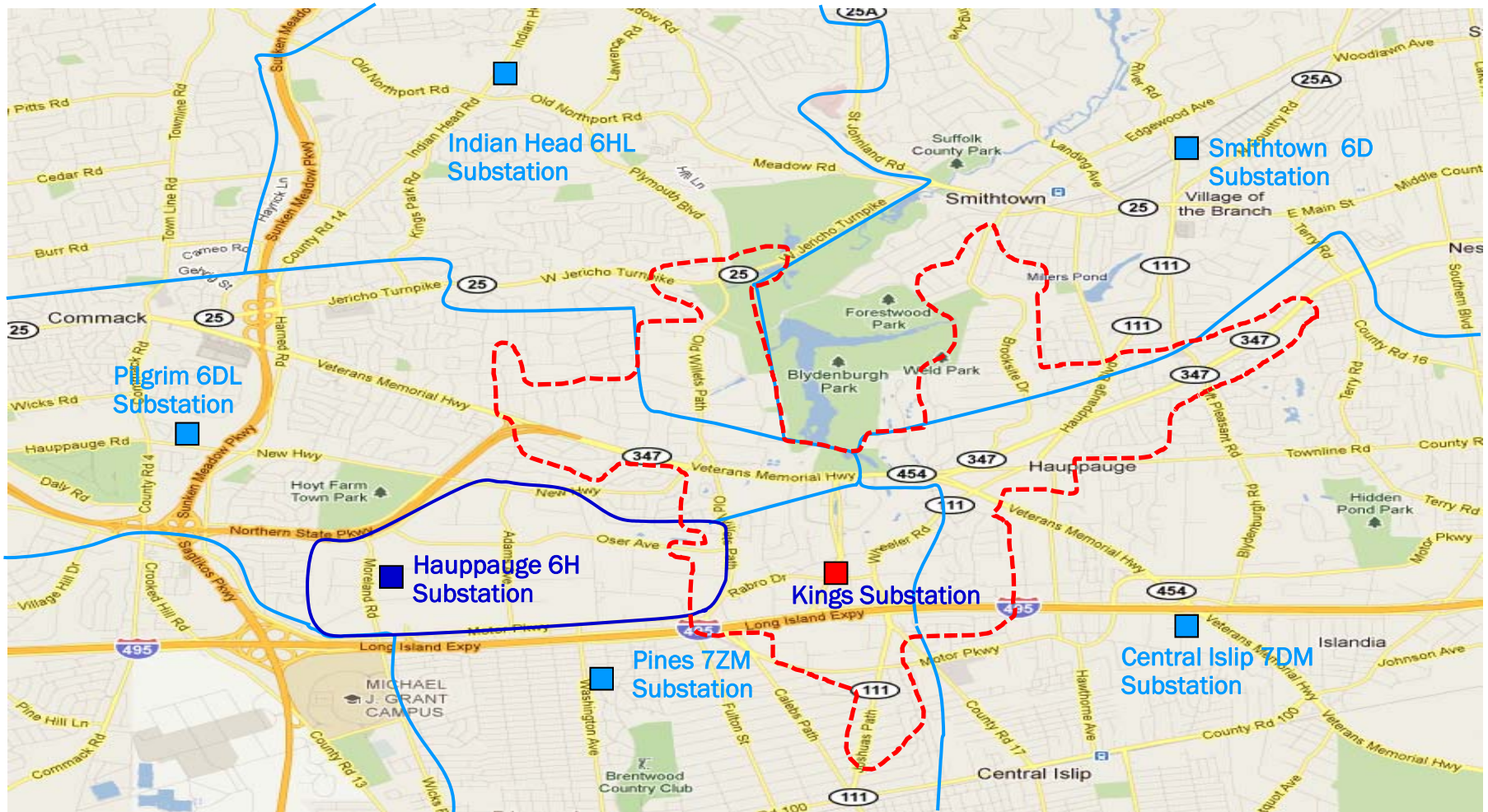
- PSEG Long Island is responsible to ensure reliable electric service for the communities we serve.
- There is a recognized need to support existing customer load, increase customer reliability, and plan for future load growth in the Hauppauge area.
- Current system configuration presents challenges to conducting routine maintenance.
- The addition of the Kings Highway substation will enhance our ability to provide uninterrupted service during extreme weather conditions like heat waves or storms.

Kings Substation

A centrally located substation at 225 Rabro Drive, East in Hauppauge will directly benefit the local community by significantly increasing reliability and power quality.

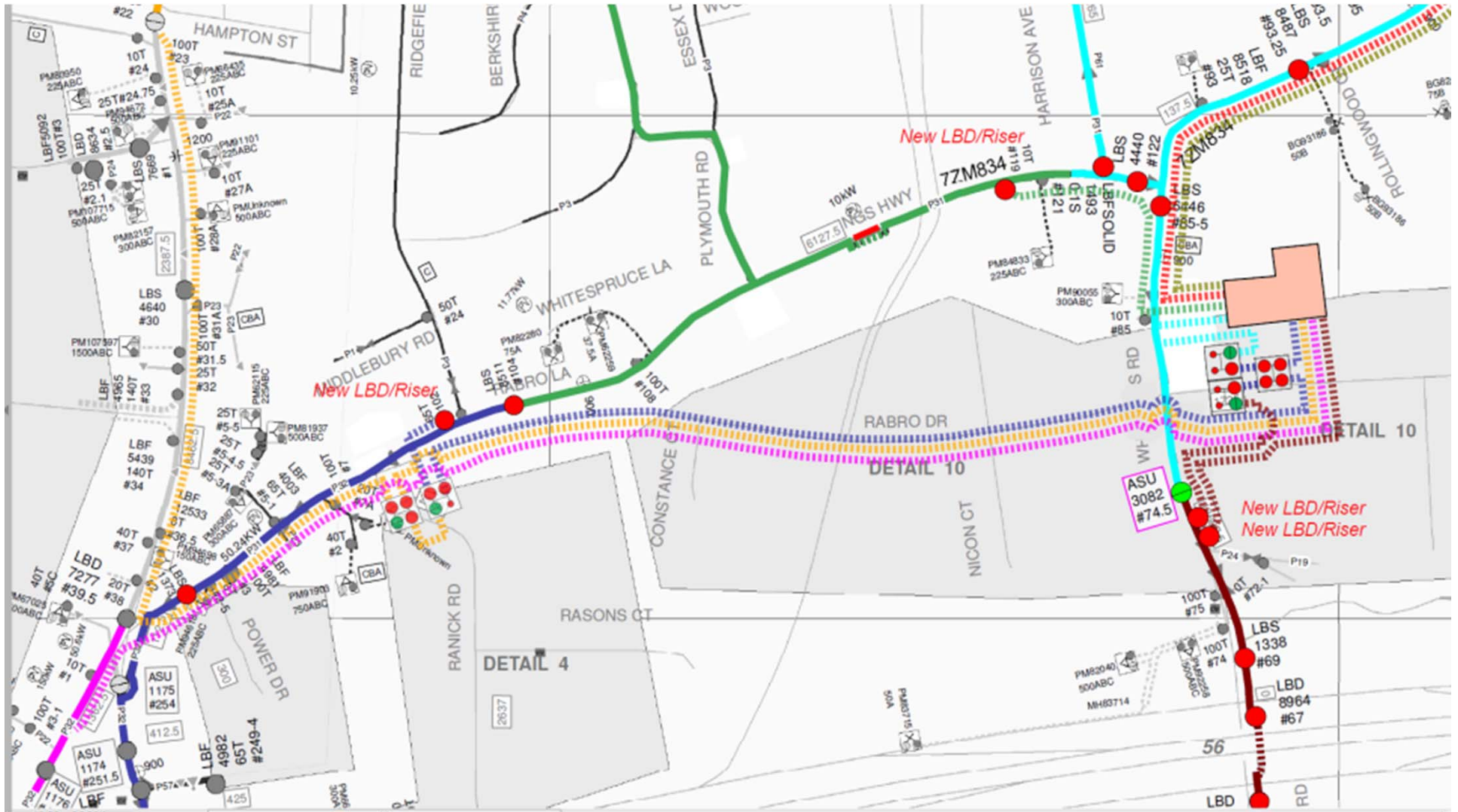
- Eight (8) new distribution feeders will be fed from this substation. The new feeders will utilize existing infrastructure and will tie into existing overhead and underground lines, equipment will be upgraded, and new equipment, such as automated switching units, will be installed to modernize the system.
- Shorter distribution feeders enhance reliability. Adding centrally-located equipment will reduce the number of customers served by each feeder.
- The property is adjacent to the transmission ROW, which minimizes interconnection costs.
- Reduces load and capacity challenges on surrounding substations while providing increased contingency capacity for the entire Hauppauge area.
- increased system automation and network monitoring will help restore customers' electricity more quickly.
- Increased electric capacity in the area will allow for routine and necessary system maintenance.

Kings Substation Distribution area

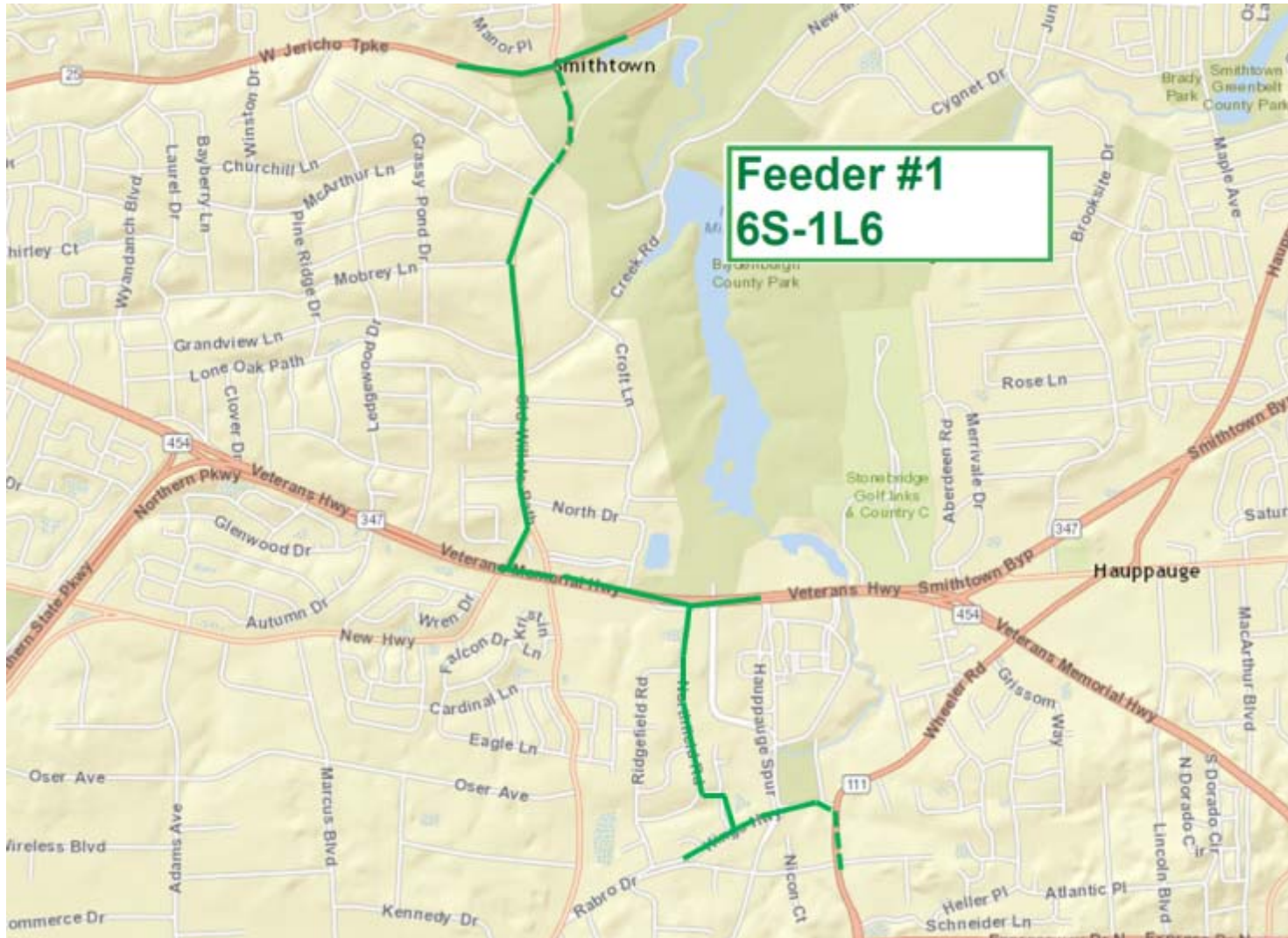


— Existing Substation Boundaries

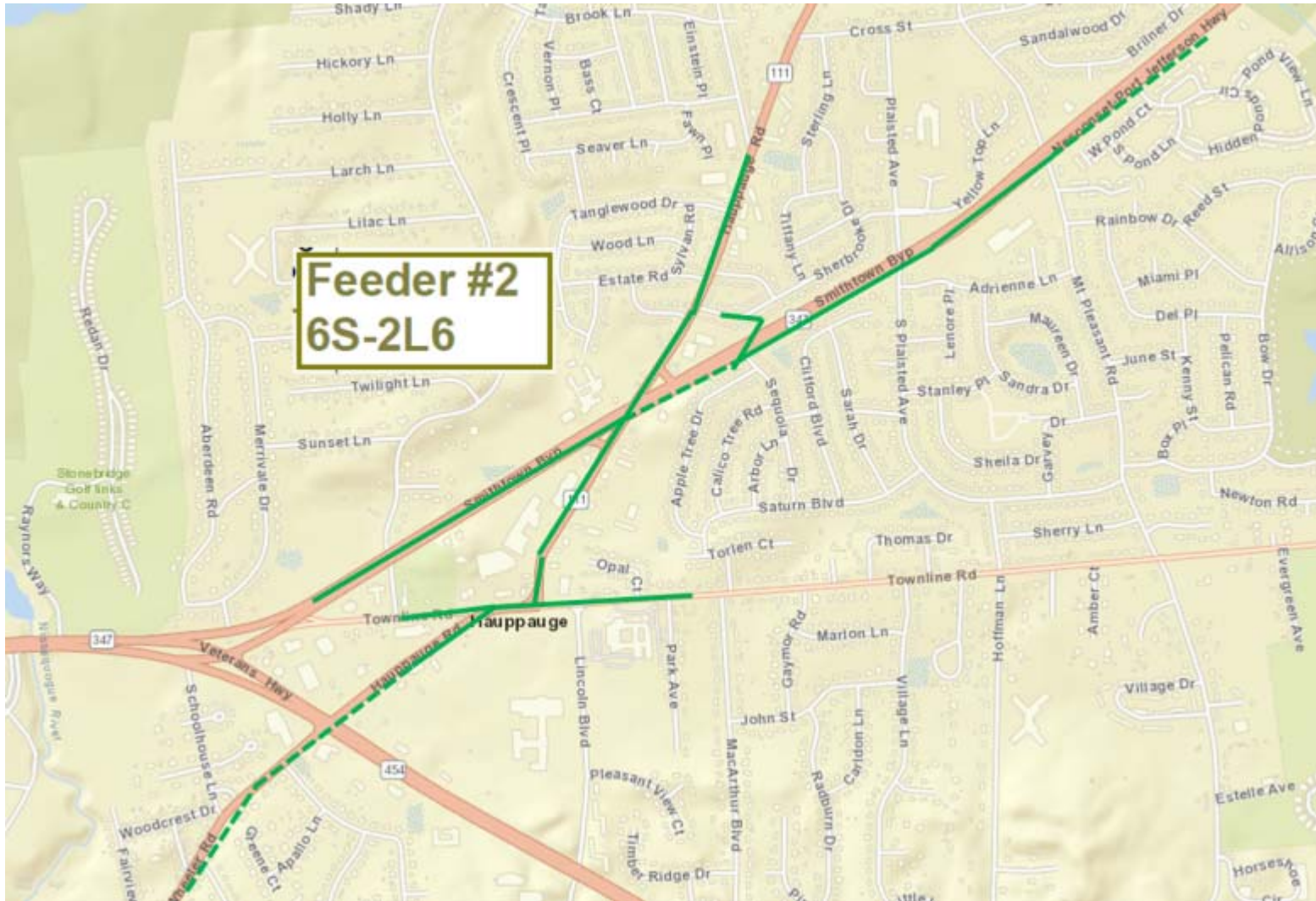
Cable Plan - 8 Underground Feeders



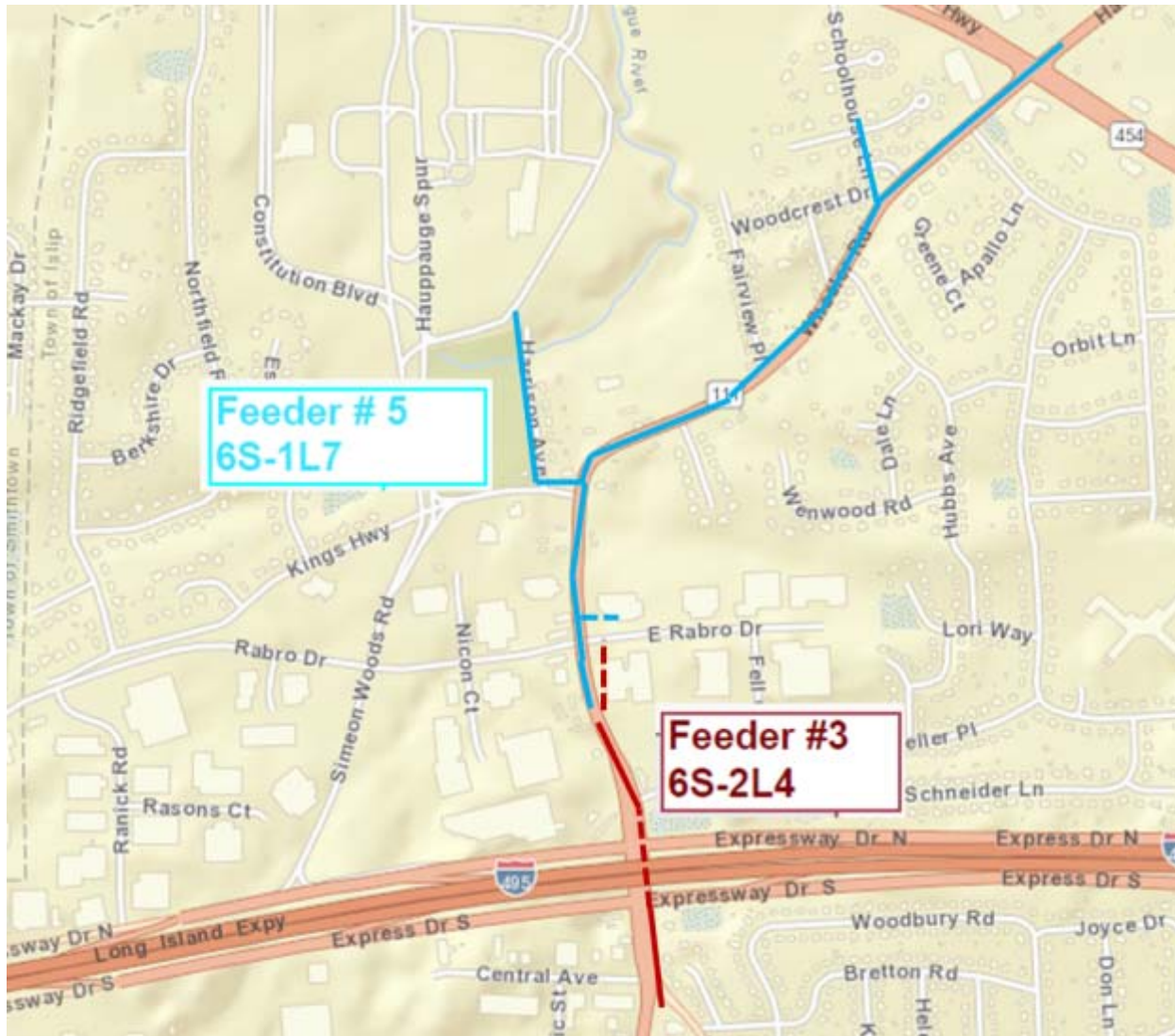
New Distribution Feeder #1



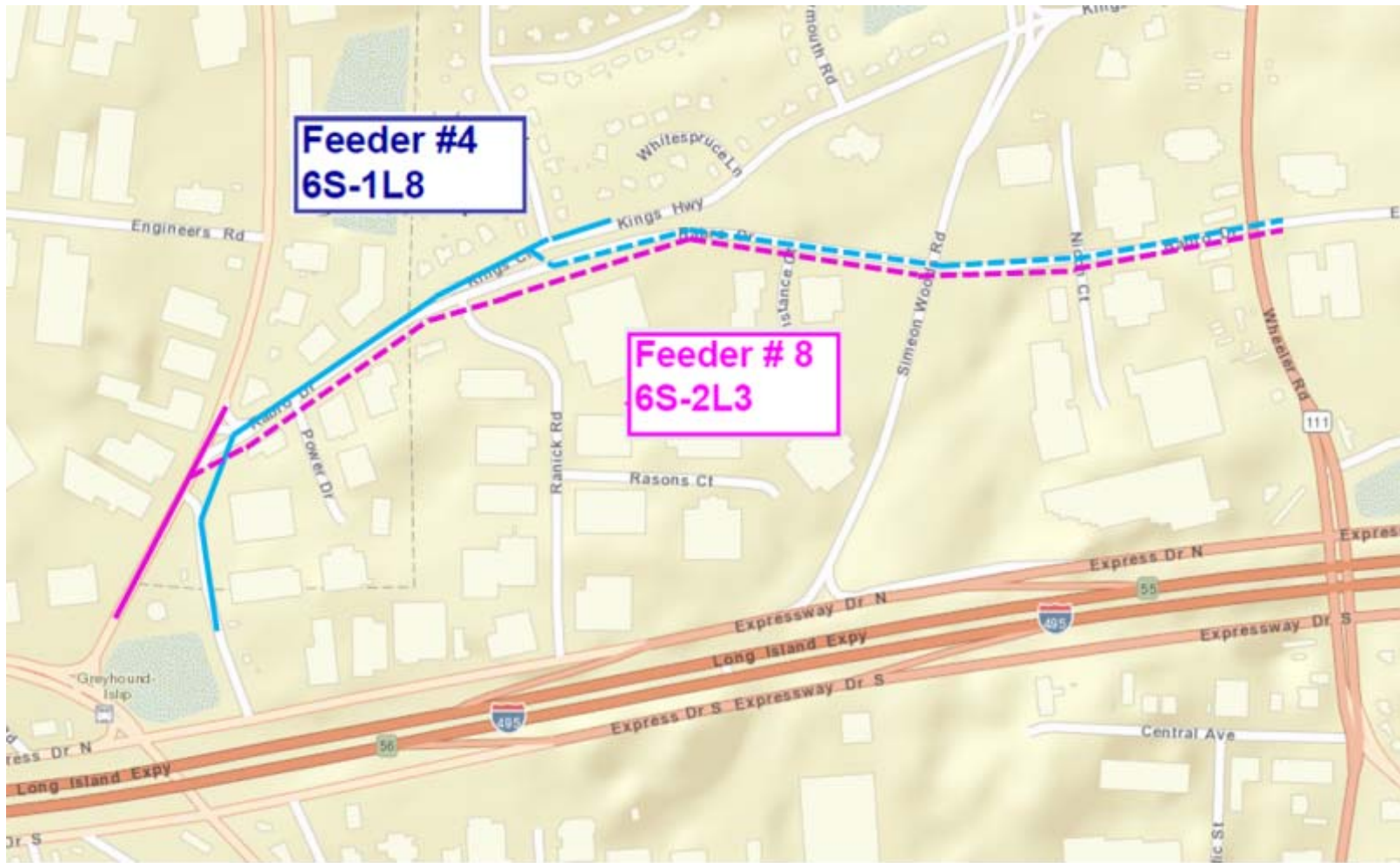
New Distribution Feeder #2



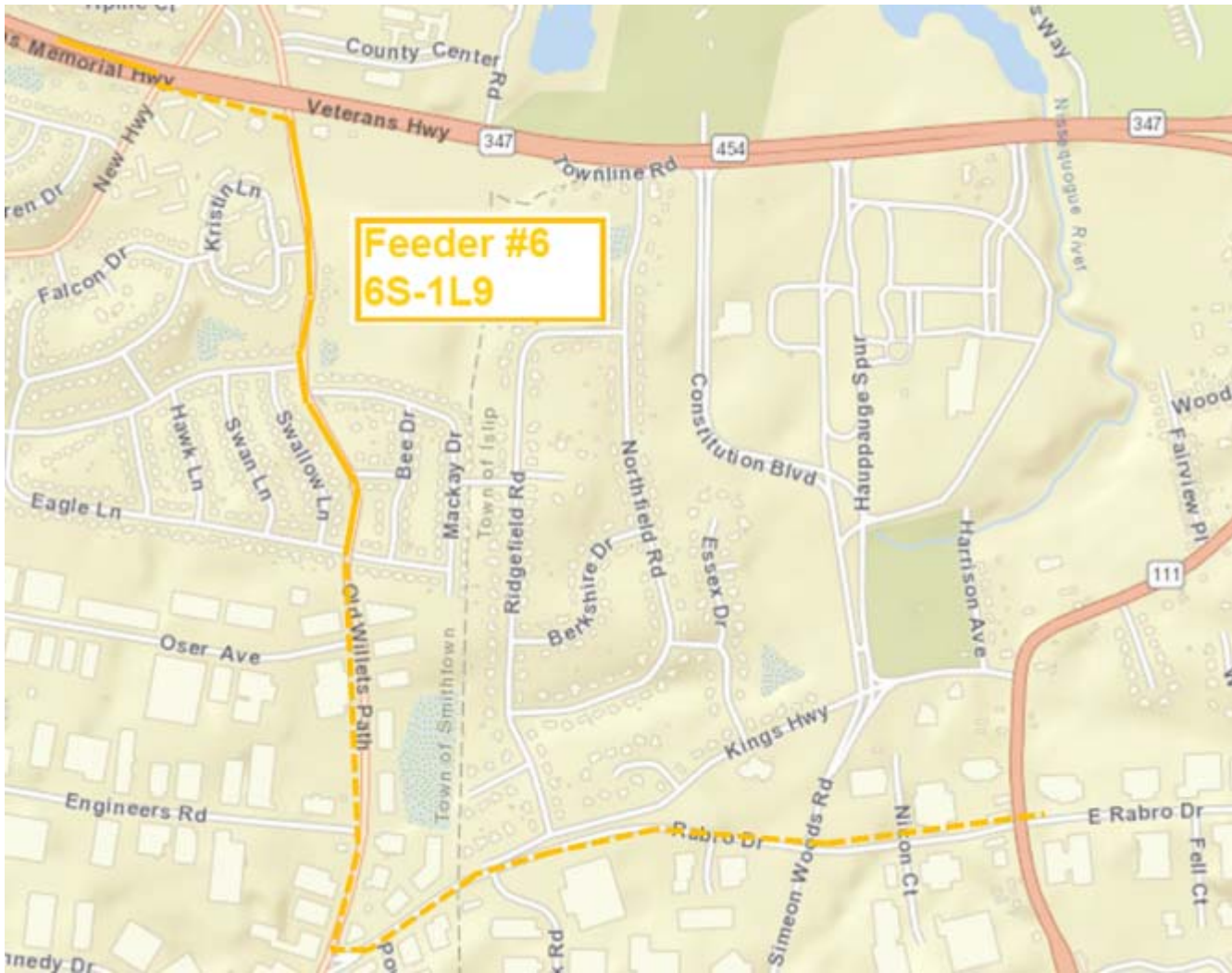
New Distribution Feeders #3 and #5



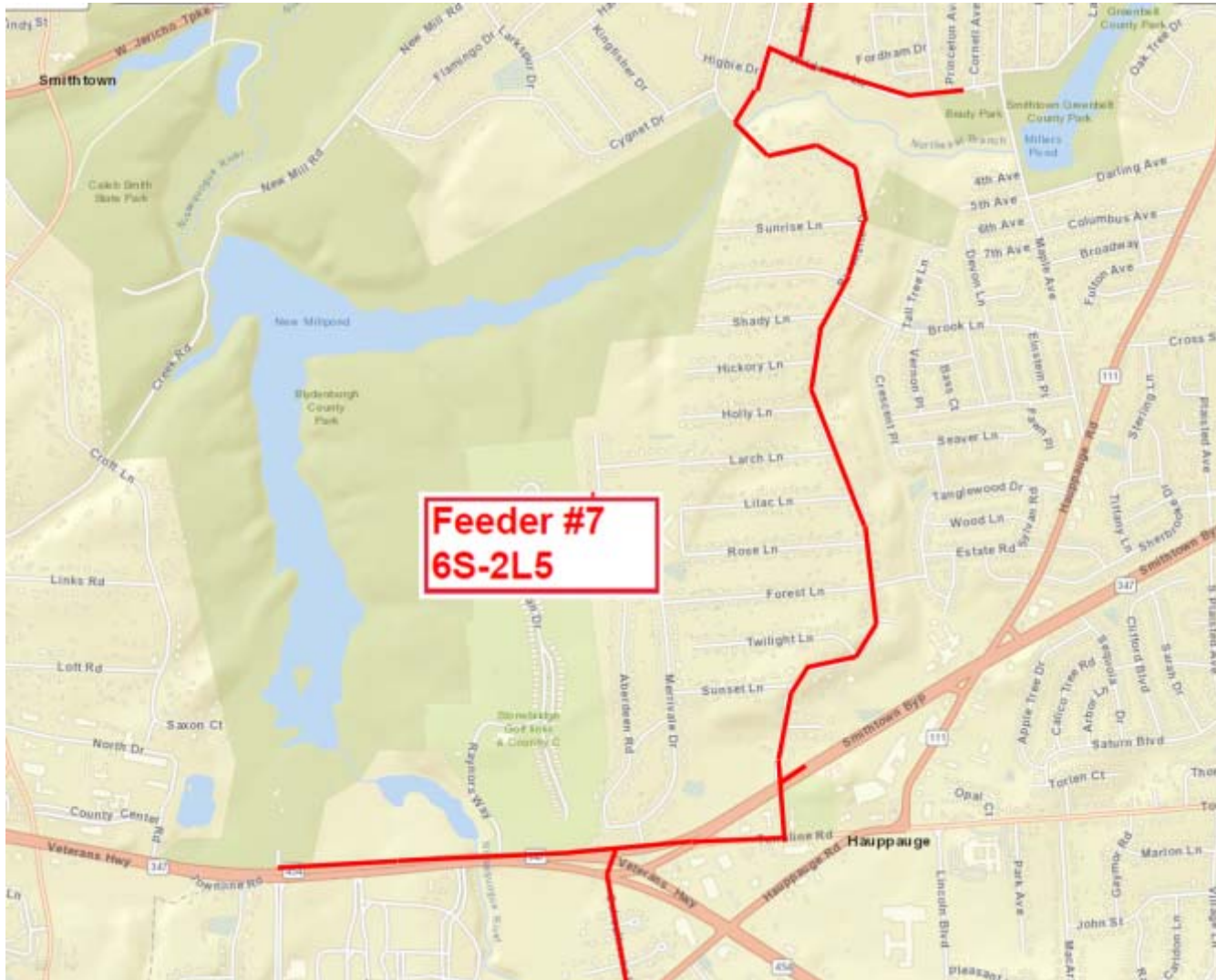
New Distribution Feeders #4 and #8



New Distribution Feeder #6



New Distribution Feeder #7



Project Timeline

- Winter 2018
 - Demolition and removal of existing structures
 - Begin clearing of land / Installation of construction fence
- Spring 2018
 - Begin concrete foundation work
 - Perform targeted upgrades to the existing distribution system
- Summer 2018 - Begin phased construction of the substation
- Fall 2018 – Energize initial section of the substation
- Spring 2019 – Complete landscaping of property
- Spring 2019 through Winter 2020 – Complete construction of substation and associated line upgrades