Safety RCG SCE&G Rising Water Early Warning System

April 9, 2008 James R. Devereaux, P.E

MARNING-HORN SIGNAL and **FLASHING LIGHTS INDICATE RISING WATER** -CAUTION-**ABSENCE** of HORN SIGNAL or FLASHING LIGHTS DO NOT ASSURE **CONSTANT WATER LEVEL**





SCE&G Rising Water Early Warning System

Sirens: Siren, Strobe Light, Sign(s) or Strobe Lights: Strobe and Sign(s)

SIRENS

 Arrayed from 1 to 3 horns Voice Chip Capability Located to maximize coverage Sound output level determined by direct measurement Output level: 12dB over Ambient (FEMA Guidelines) All Activations Recorded CSOC



Early Warning System SIRENS

FACTORS AFFECTING SIRE OUTPUT Background (ambient) noise Attenuation from foliage

Mainhhore

Background Noise







Early Warning System Foliage

Early Warning System Meander

Early Warning System SIRENS

ACTIVATION CRITERIA

- Presently 2 triggers (pressure transducers)
 - Time delayed activation
- Activates on Water Level Rate of Rise; 3 min.

sustained

3 minute duration; every 3 minutes during

rise in water level

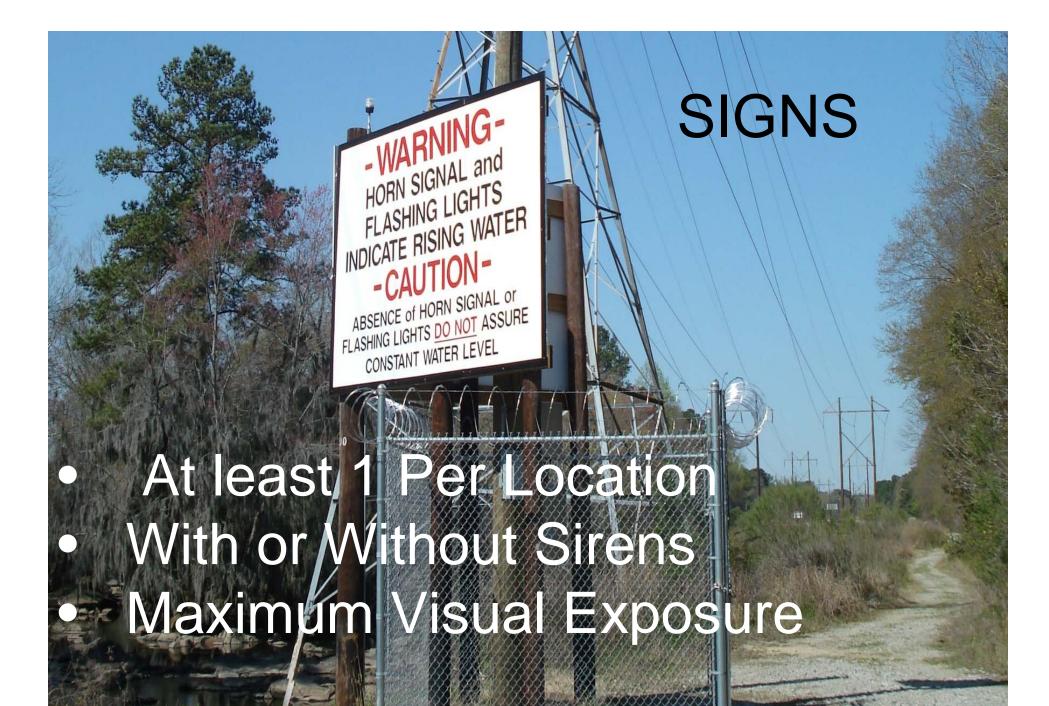
STROBES

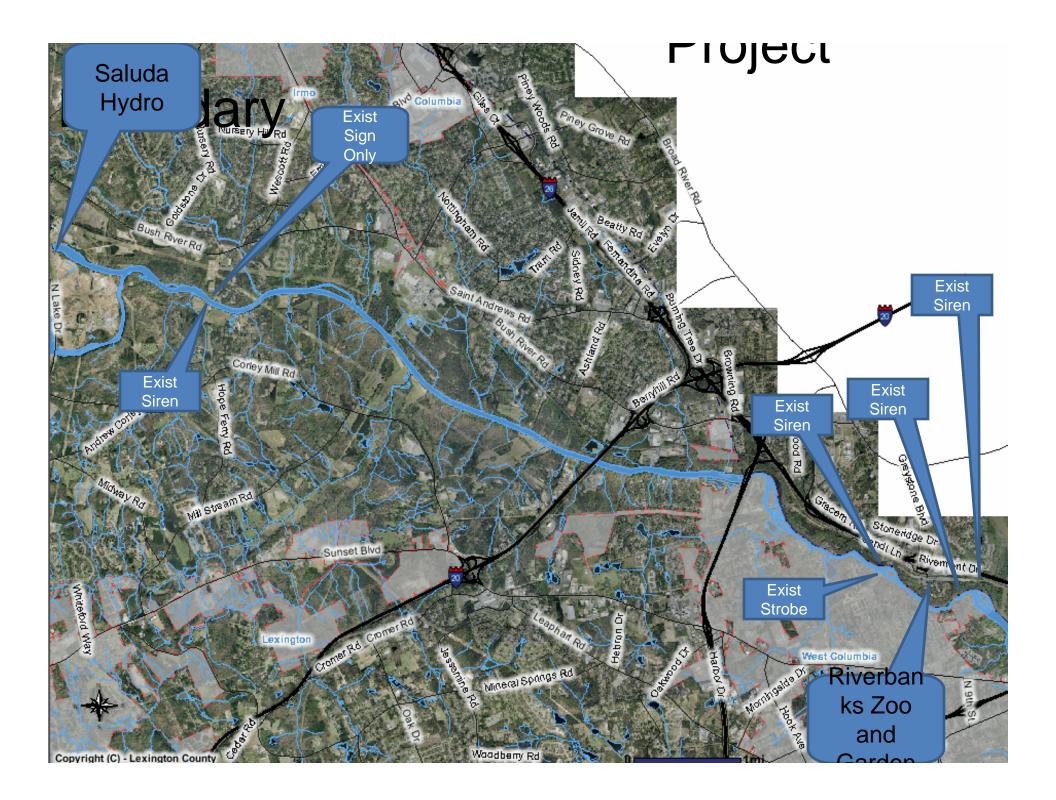
 1 Per Location White Light, 1,000,000 candlepower **Activates With Siren Continues flashing for 15 min** after ciron ciloncos

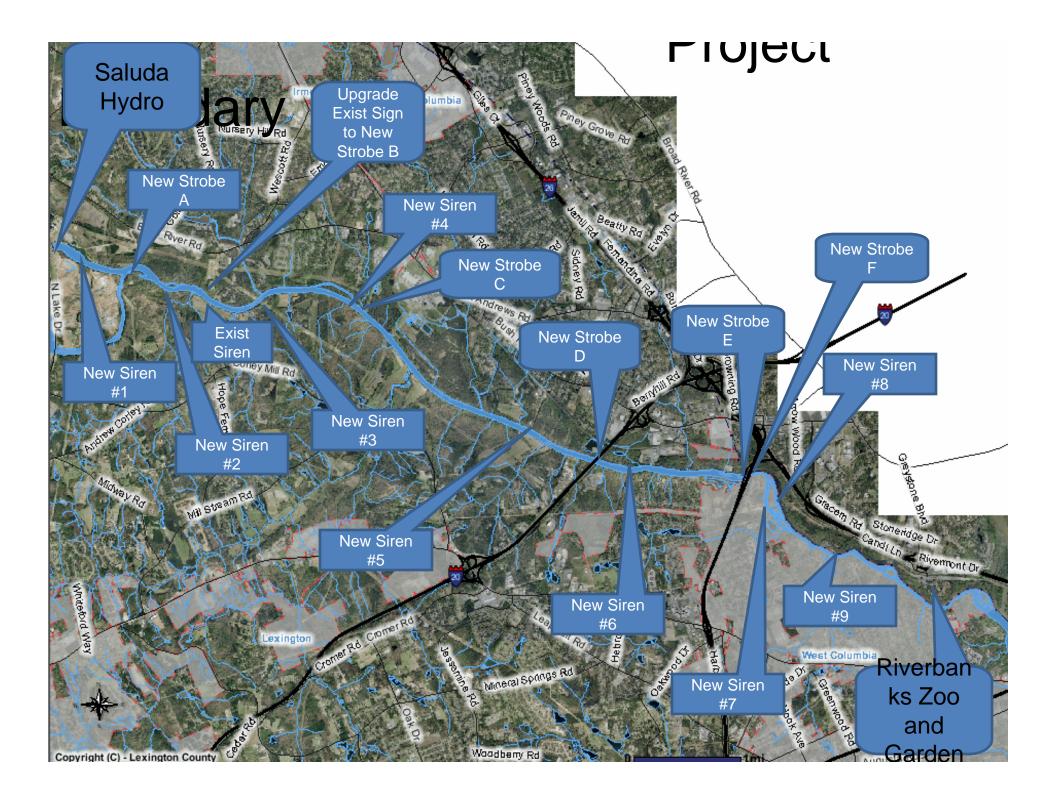


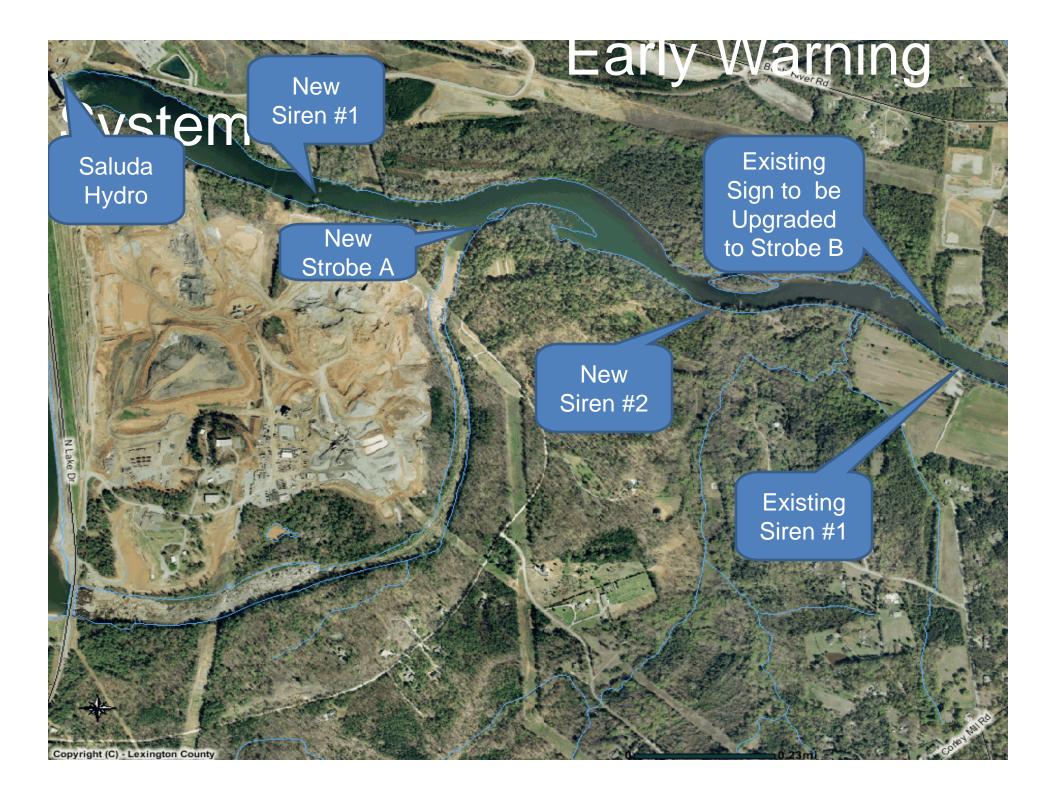
-WARNING-HORN SIGNAL and FLASHING LIGHTS INDICATE RISING WATER -CAUTION-

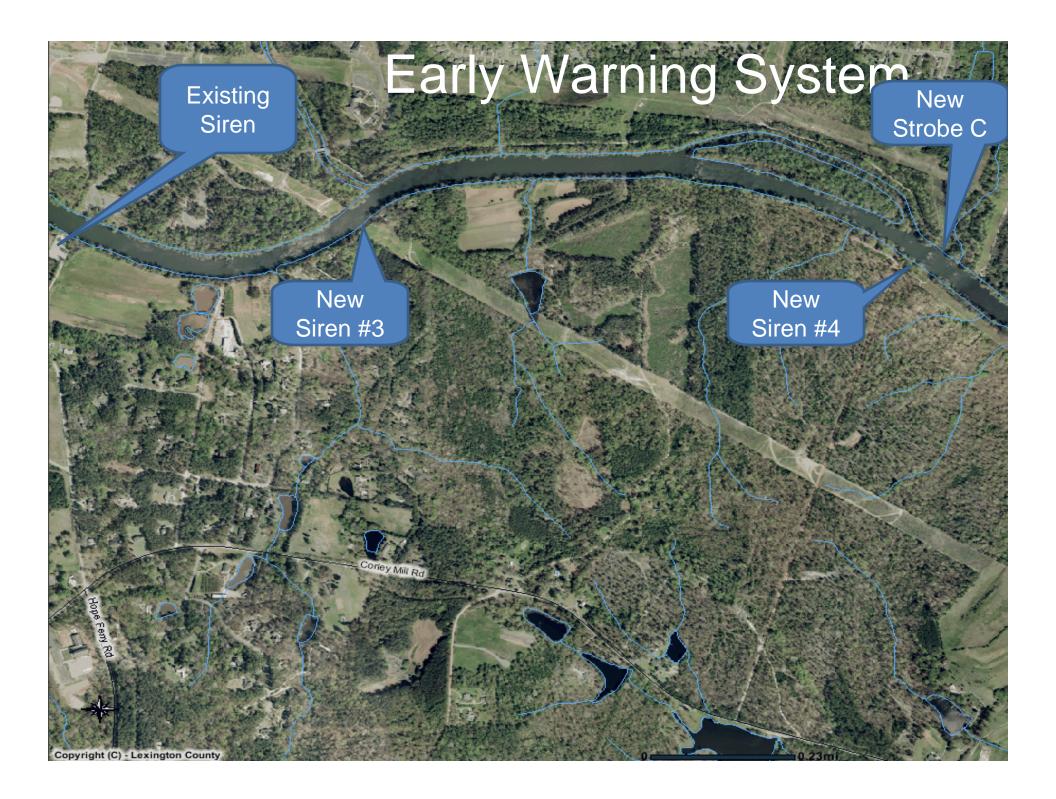
ABSENCE of HORN SIGNAL or FLASHING LIGHTS DO NOT ASSURE CONSTANT WATER LEVEL

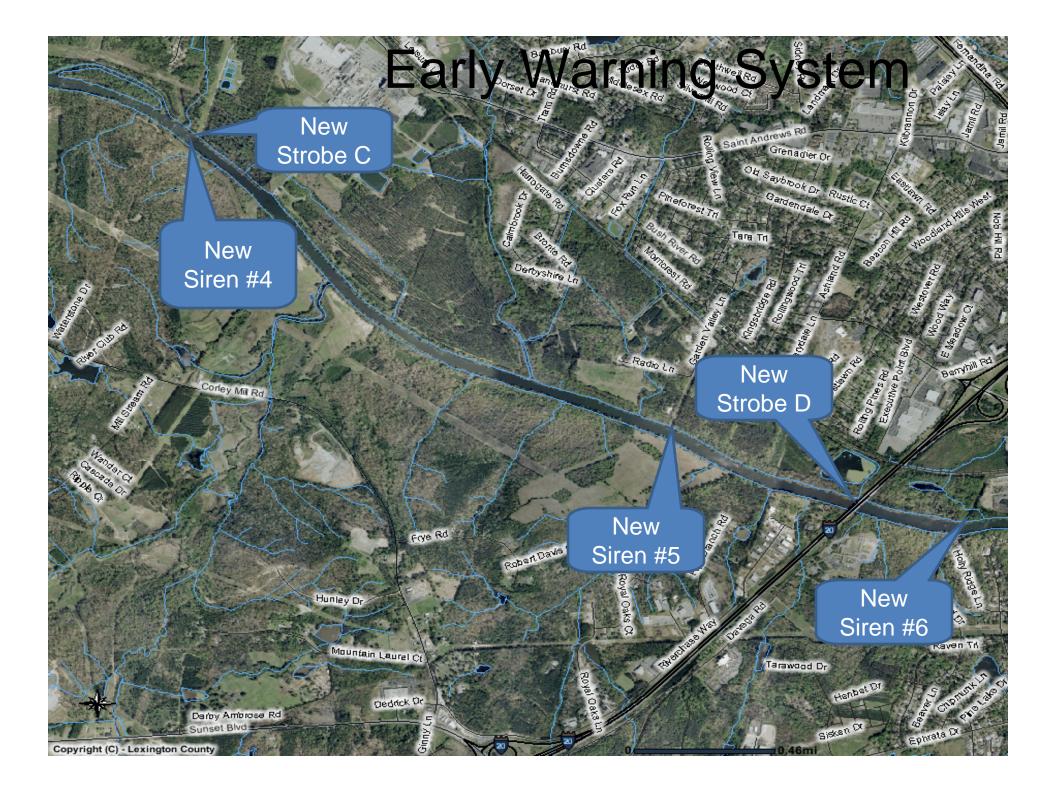


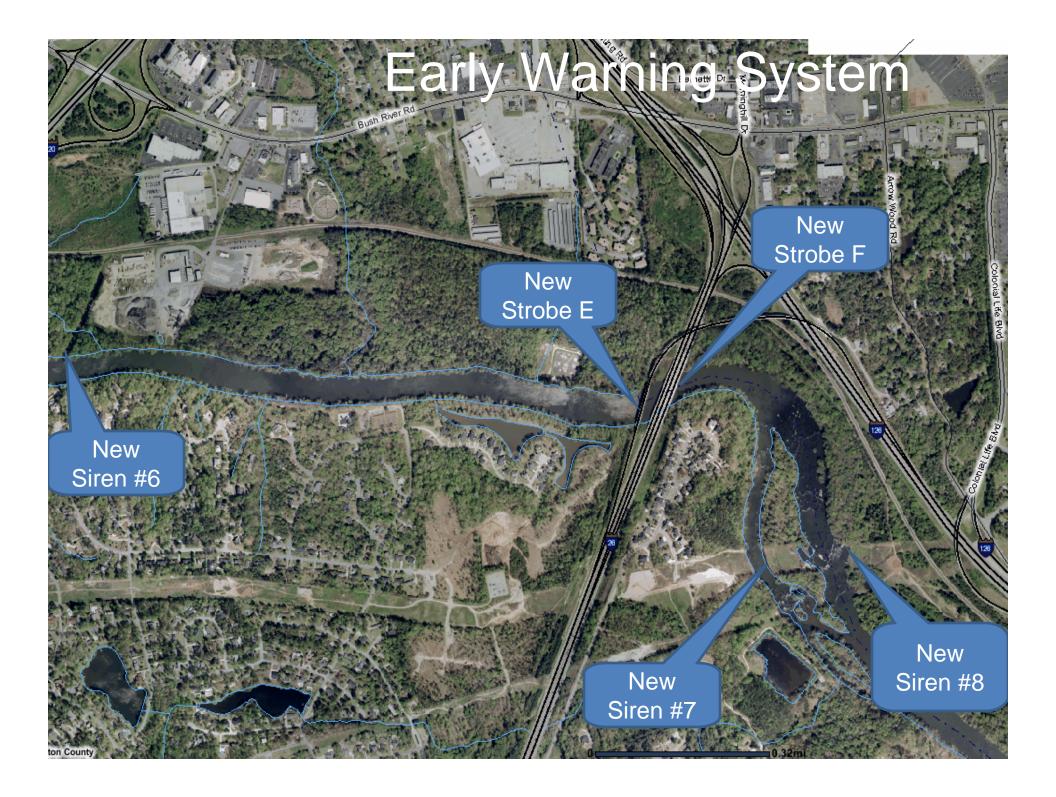


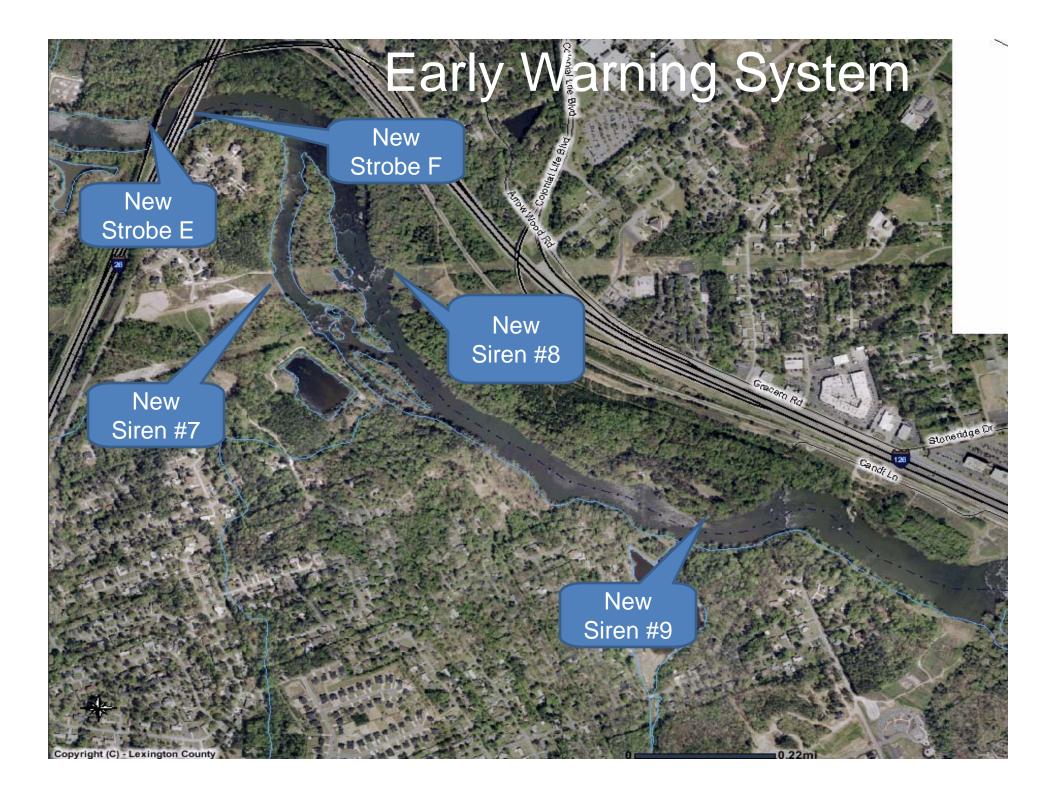


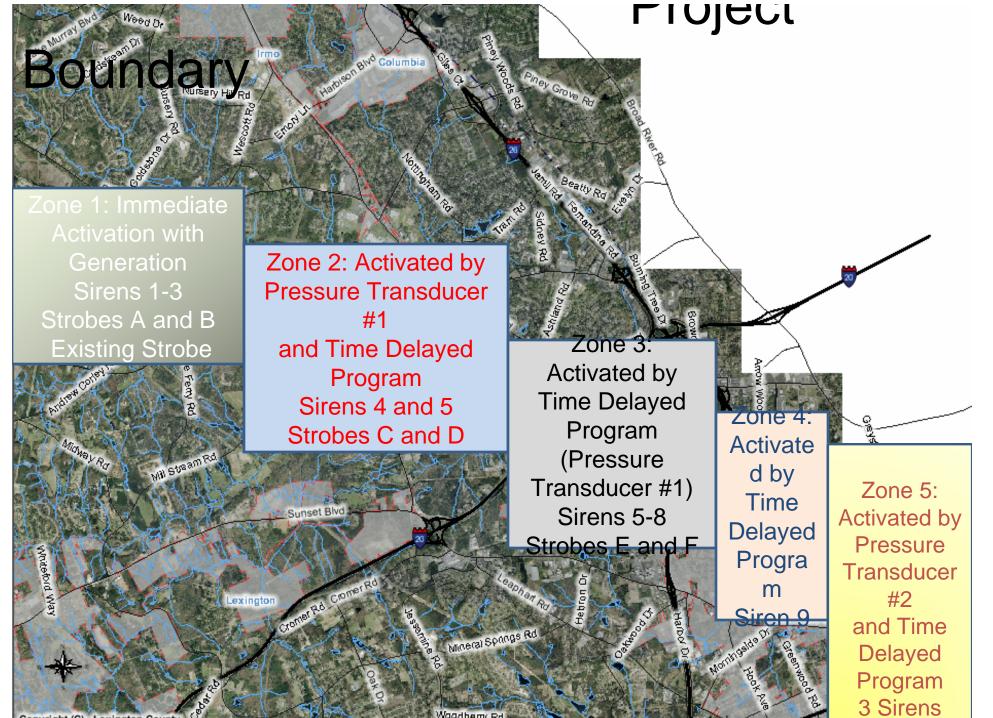












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Early Warning System

Questions? Comments?