

UPGRADE SIGNAL DESIGN

EAST BRAINERD ROAD AT GRAYSVILLE ROAD

CLIENT:

Berry Engineers, LLC

JMTE SERVICES:

- Base Maps
- Geometric Plans
- Electrical Plans
- Signal Operations Analysis
- Strain Pole Details
- City of Chattanooga Collaboration
- TDOT Collaboration

LOCATION:

Chattanooga, TN

J.M. TEAGUE
ENGINEERING & PLANNING

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J.M. Teague Engineering & Planning was asked to prepare a traffic signal upgrade design at the intersection of East Brainerd Road at Graysville Road in Chattanooga, Tennessee.

A geometric plan was prepared to incorporate the addition of a southbound approach at an existing “T-intersection” and signal modifications such as loop detector placement, signal head alignment, signal timing, phasing, and clearance interval modifications.

The signal design timings were brought into conformance with current TDOT and MUTCD standards and were reflected in the controller timing chart. The addition of the new southbound approach was incorporated into the phasing diagram, table of operation chart, and the loop & detector installation chart. The updated signal design included the addition of new signal heads and a metal strain pole.

The traffic signal plan and electrical details were reviewed and approved by the City of Chattanooga and TDOT.

