

# HENDERSONVILLE CO-OP SIGNAL DESIGN

CLIENT:

ARCA Design Group

JMTE SERVICES:

- NCDOT Collaboration
- Base Maps
- Geometric Plans
- Electrical Plans
- Clearance Diagram
- Quantities Estimate

LOCATION:

Hendersonville, NC

**J.M. TEAGUE**  
ENGINEERING  
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J.M. Teague Engineering & Planning (JMTE) was asked to upgrade the existing signal adding 2 new loops on S. Charleston Lane at the intersection of US 176 (Spartanburg Highway) at S. Grove Street/S. Charleston Lane in Hendersonville.

Base maps were developed from plans provided by NCDOT. From the base maps, a revised geometric plan was prepared that incorporated the addition of the northbound left turn lane and any additional modifications such as new loop detectors, new signal heads, signal timing, updated phasing, and clearance interval modifications.

Signal design timings (yellow, all-red) will be brought into conformance with current NCDOT and MUTCD standards as required and reflected in an updated controller timing chart. The addition of the northbound left turn lane will be incorporated into the phasing diagram, table of operation chart, and the loop & detector installation chart.

In addition to the revised geometric plans, revised electrical details will be provided to incorporate the addition of the northbound left turn lane. The updated electrical plans will include necessary updated conflict monitor programming details, input file position layout, input file connection & programming chart, signal head hook-up chart, and any modified processor programming details.

