

# AIRPORT ROAD SIGNAL UPGRADE DESIGN

CLIENT:

Burgin Properties, LLC

JMTE SERVICES:

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

LOCATION:

Fletcher, NC

**J.M. TEAGUE**  
ENGINEERING  
& PLANNING

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J.M. Teague Engineering & Planning (JMTE) was asked to prepare a traffic signal upgrade at the intersection of NC 280 (Airport Road) @ McKenna Road in the Arden area of Buncombe County, North Carolina.

A geometric plan was prepared that incorporated the addition of the new westbound approach and any additional modifications such as loop detectors, signal heads, signal timing, phasing, and clearance interval modifications.

The signal design timings were brought into conformance with current NCDOT and MUTCD standards and reflected an updated controller timing chart. The addition of the northbound left turn lane was incorporated into the phasing diagram, table of operation chart, and the loop & detector installation chart.

In addition to the geometric plans, electrical programming details were provided that reflect the necessary conflict monitor programming details, input file position layout, input file connection & programming chart, signal head hook-up chart, and any necessary processor programming details.

