

Beaver Creek Commons, Apex, NC



- **Traffic Study**
- **Roadway Design**
- **Signal Design**
- **Construction Administration**



Phase III



Phase IV

- Preparation of Traffic Impact Analysis (TIA), Roadway Design, and Traffic Signal Design for a regional shopping center located on NC 55 at the US 64 interchange in Apex.
- Traffic studies were completed to identify potential roadway and signal improvements necessary to mitigate new site trips. The traffic studies considered future conditions with and without the future I-540 interchange at US 64.
- Off-site roadway designs for improvements along NC 55, Green Level Church Road, Zeno Road, and Beaver Creek Commons Drive were provided along with encroachment agreements and construction administration.
- Traffic signal designs were completed for a total of 7 traffic signals at these intersections:
 - NC 55 at Haddon Hall Drive
 - NC 55 at Beaver Creek Commons Blvd.
 - NC 55 at US 64 East and West Bound Ramps
 - US 64 & Green Level Road
 - Green Level Road & Creekside Drive
 - Kelly Road & Beaver Creek Commons



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