



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

J. ERIC BOYETTE
SECRETARY

March 21, 2023

1216 Rolesville Road

Traffic Impact Analysis Review Report

Congestion Management Section

TIA Project: SC-2023-052
Division: 5
County: Wake



Nicholas C. Lineberger, P.E. Project Engineer
Madonna Saleh, Project Design Engineer

Mailing Address:
NC DEPARTMENT OF TRANSPORTATION
TRANSPORTATION MOBILITY & SAFETY DIVISION
1561 MAIL SERVICE CENTER
RALEIGH, NC 27699-1561

Telephone: (919) 814-5000
Fax: (919) 771-2745
Customer Service: 1-877-368-4968

Location:
750 N. GREENFIELD PARKWAY
GARNER, NC 27529

Website: www.ncdot.gov

1216 Rolesville Road

SC-2023-052

Rolesville

Wake County

Per your request, the Congestion Management Section (CMS) of the Transportation Mobility and Safety Division has completed a review of the subject site. The comments and recommendations contained in this review are based on data for background conditions presented in the Traffic Impact Analysis (TIA) and are subject to the approval of the local District Engineer's Office and appropriate local authorities.

| | | | |
|--------------------------------|----------|--------------------|----------|
| Date Initially Received by CMS | 02/21/23 | Date of Site Plan | 02/21/22 |
| Date of Complete Information | 02/21/23 | Date of Sealed TIA | 02/20/23 |

Proposed Development

The TIA assumes the development is to be completed by 2028 and consist of the following:

| Land Use | Land Use Code | Size |
|--------------------------------|---------------|--------|
| Single-Family Attached Housing | 215 | 68 DU |
| Retail | 822 | 30 KSF |

Trip Generation - Unadjusted Volumes During a Typical Weekday

| | IN | OUT | TOTAL |
|--------------|-----|-----|-------|
| AM Peak Hour | 43 | 46 | 89 |
| PM Peak Hour | 107 | 100 | 207 |
| Daily Trips | | | 1,964 |

General Reference

For reference to various documents applicable to this review please reference the following link: <https://connect.ncdot.gov/resources/safety/Pages/Congestion-Management.aspx>

Once the driveway permit has been approved and issued, a copy of the final driveway permit requirements should be forwarded to this office. If we can provide further assistance, please contact the Congestion Management Section.

Improvements By Others

The analysis includes background improvements by others. If these improvements are not in place at the time of construction, the site should provide these improvements or analysis demonstrating mitigation is not necessary.

Signalization

We defer to the District Engineer, the Division Traffic Engineer, and the Regional Traffic Engineer for final decisions regarding signalization.

E Young Street

US 401

Adjacent Site Drive

Quarry Road

Adjacent Site Drive

High School Driveway

100 IPS
Site Drive 1

Sunset Manor Drive









100 IPS
Site Drive 2

SITE

Rolesville Road

Fowler Road

Rolesville Road Rolesville, Wake County SC-2023-052

-  Existing Laneage
-  Recommended Laneage
-  Laneage Built By Others
-  NCDOT Recommendation
-  Existing Signal
-  Signal Proposed By Others
-  Developer Proposed Signal
-  Monitor for Signal
- XXX Storage
- XXX NCDOT Recommended Storage
- <XXX> Distance Between Intersections
- IPS Internal Protected Stem
- All Distances in Feet
- Drawing Not to Scale

