



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

JOSH STEIN
GOVERNOR

DANIEL H. JOHNSON
SECRETARY

June 3, 2026

Chase Smith, PE
RFK Engineers PLLC
5808 Faringdon Place, Box 9
Raleigh, NC 27609

RE: Approval of the Traffic Impact Analysis (TIA) associated with the proposed **Gray Bridge Residential [PID: 21400001]** in Brunswick County, NC.

The NCDOT and Brunswick County staffs have reviewed the Gray Bridge Residential TIA sealed 4-9-2026. This development consists of:

- 400 dwelling units: Single Family Detached Housing (LUC 210)
- Build Year: 2033

Based on review of the analysis provided in the TIA report, the following improvements are required by the developer:

NC 130 (Holden Beach Road) and SR 1132 (Shell Point Road / Civietown Road)
(existing signalized intersection)

- No improvements are required.

NC 130 (Holden Beach Road) and SR 1134 (Gray Bridge Road) (existing signalized intersection)

- *Maximize the storage of the exclusive northbound right turn lane on SR 1134 (Gray Bridge Road) to provide additional full-width storage and 75 feet of taper.*
- *Construct the following if not completed by others:*
 - *Construct an exclusive eastbound right turn lane on NC 130 (Holden Beach Road) with 200 feet of storage and appropriate full-width deceleration and taper.*
 - *Modify signal timings and phasing related to installation of a cluster traffic signal at NC 130 (Holden Beach Road) and SR 1136 (Red Bug Road).*
 - *Modify the signal to accommodate the above improvements.*

Mailing Address:
NC DEPARTMENT OF TRANSPORTATION
DISTRICT 3 ENGINEER'S OFFICE
5911 OLEANDER DRIVE, SUITE 101
WILMINGTON, NC 28403-8883

Telephone: 910-398-9100
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Website: ncdot.gov

Location:
5911 OLEANDER DRIVE, SUITE 101
WILMINGTON, NC 28403

NC 130 (Holden Beach Road) and SR 1136 (Red Bug Road) (existing unsignalized intersection; future signalized intersection)

- *Extend the existing southbound left turn lane on SR 1136 (Red Bug Road) to provide 400 feet of storage and appropriate full-width deceleration and taper.*
- *Construct the following if not completed by others:*
 - *Construct an exclusive westbound right turn lane on NC 130 (Holden Beach Road) with 100 feet of storage and appropriate full-width deceleration and taper.*
 - *Install a cluster traffic signal that will operate with intersection of NC 130 (Holden Beach Road) and SR 1134 (Gray Bridge Road).*

SR 1134 (Gray Bridge Road) and Site Access A (proposed full movement intersection)

- *Construct a southbound left turn lane on SR 1134 (Gray Bridge Road) with 50 feet of storage and appropriate full-width deceleration and taper.*
- *Construct Site Access A (westbound approach) with one ingress lane and one egress lane.*
- *Provide an internal protected stem length of 50 feet, as measured from the right-of-way line.*
- *Provide stop control for the westbound approach.*

SR 1134 (Gray Bridge Road) and Site Access B (proposed full movement intersection)

- *Construct Site Access B (westbound approach) with one ingress lane and one egress lane.*
- *Provide an internal protected stem length of 50 feet, as measured from the right-of-way line.*
- *Provide stop control for the westbound approach.*

SR 1132 (Shell Point Road) and Site Access C (proposed full movement intersection)

- *Construct a southbound right turn lane on SR 1132 (Shell Point Road) with 50 feet of storage and appropriate full-width deceleration and taper.*
- *Construct Site Access C (westbound approach) with one ingress lane and one egress lane.*
- *Provide an internal protected stem length of 50 feet, as measured from the right-of-way line.*
- *Provide stop control for the westbound approach.*

If changes are made to the proposed site driveways, land uses, land use intensity, or other study parameters, or if the build year studied in the report has passed, a revised Traffic Impact Analysis will be required for review by NCDOT. Any such changes will null and void this TIA approval.

The applicant is required to obtain all applicable Brunswick County and NCDOT permits for access to the road network. A copy of this TIA approval shall be included with any NCDOT driveway permit application. All applicable NCDOT and Brunswick County technical standards and policies shall apply.

Please contact me at 910-398-9100 with any questions regarding this approval.

Sincerely,



Benjamin T. Hughes, PE
District Engineer
Division 3, District 3

cc: Jon Roan, Deputy District Engineer, NCDOT
Frank Mike, Assistant District Engineer, NCDOT
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