



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

MICHAEL F. EASLEY  
GOVERNOR

LYNDO TIPPETT  
SECRETARY

August 1, 2007

Newland Communities  
c/o Ed Timoney, Project Manager  
5850 Fayetteville Rd., Suite 201  
Durham, N.C. 27713

Subject: **Prestressed Concrete Box Beam Bridge Review Comments**  
**Briar Chapel Subdivision Off US 15-501**

Dear Mr. Timoney,

The North Carolina Department of Transportation has reviewed your construction plans for the prestressed concrete box beam bridge over Pokeberry Creek, and have approved this bridge as proposed on the attached plan sheets, signed and sealed 5/16/2007.

Please adhere to the stipulations in the approval notice as listed in the following attachment. Be advised that this structure and appurtenances will require an encroachment agreement.

Should you have any questions or need additional information regarding these comments, please do not hesitate to contact this office.

Sincerely,

A handwritten signature in black ink that reads "Reuben Blakley" with the initials "JB" written below it.

Reuben Blakley, P.E.  
District Engineer

REB/jeb

Attachments

cc: David West, State Encroachment Agent  
Timothy Johnson, P.E., Division Engineer  
Tim Welch, P.E., Division Bridge Superintendent  
Benny Sloan, County Maintenance Engineer  
~~File~~



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

RECEIVED  
JUL 27 2007  
DIVISION 8 DISTRICT 1  
DEPT. OF TRANSPORTATION

MICHAEL F. EASLEY  
GOVERNOR

LYNDO TIPPETT  
SECRETARY

July 26, 2007

**MEMORANDUM**

TO: Mr. Reuben Blakley, PE  
District Engineer

FROM: E. T. Cozart, III, P.E.  
Utilities and Encroachments Engineering Manager

*Gary Rhodes, for*

SUBJECT: Newland Communities (Briar Chapel Subdivision) (2<sup>nd</sup> Submittal)  
Proposed Prestressed Concrete Box Beam Bridge to Carry  
Proposed Briar Chapel Parkway SE Over Pokeberry Creek  
Chatham County - Division 8

As requested, we have reviewed the above encroachment and offer the following comments for your further handling:

1. At the request of the District Engineer's office, our comments pertain only to mentioned above subject.
2. The encroaching party shall notify the District Engineer's office (telephone (336) 629-1423) prior to beginning construction and after construction is complete.
3. An executed copy of the encroachment agreement will be present at the construction site at all times during construction. If safety or traffic conditions warrant such an action, NCDOT reserves the right to further limit, restrict or suspend operations within the right of way.
4. NCDOT does not guarantee the right of way on this road, nor will it be responsible for any claim for damages brought about by any property owner by reason of this installation.
5. The encroaching party is required to contact the appropriate Utility Companies involved and make satisfactory arrangements to adjust the utilities in conflict with the proposed work prior to beginning construction.

6. The encroaching party shall comply with all applicable local, state, and federal environmental regulations, and shall obtain all necessary local, state, and federal environmental permits, including, but not limited to, those related to sediment control, stormwater, wetlands, streams, endangered species, and historical sites.
7. The contractor shall not begin the construction until after the erosion control devices have been installed to the satisfaction of the District Engineer.
8. Trenching, bore pits and/or other excavations shall not be left unsafe overnight. The Contractor shall comply with all OSHA requirements and provide a competent person on site to supervise excavation at all times.
9. All fill areas/backfill shall be compacted to 95% density in accordance with AASHTO T99 as modified by the North Carolina Department of Transportation. All material to a depth of 8 inches below the finished surface of the subgrade shall be compacted to a density equal to at least 100% of that obtained by compacting a sample of the material in accordance with AASHTO T99 as modified by the Department. The subgrade shall be compacted at a moisture content which is approximately that required to produce the maximum density indicated by the above test method. The contractor shall dry or add moisture to the subgrade when required to provide a uniformly compacted and acceptable subgrade.
10. Vegetative cover shall be established on all disturbed areas in accordance with the recommendations of the Division Roadside Environmental Engineer.
11. Proper temporary and permanent measures shall be used to control erosion and sedimentation in accordance with all local, State and Federal regulations.
12. All materials and workmanship shall conform to the *N.C. Department of Transportation's Standards and Specifications Manuals*.
13. Drainage structures shall not be blocked with excavation materials.
14. The Bridge Maintenance Unit and the Geotechnical Engineering Unit have reviewed this encroachment and recommend approval.
15. The Structure Design has reviewed this encroachment and recommends approval provided that the following special provision is incorporated into the encroachment.

Mr. Reuben Blakley, PE  
July 26, 2007  
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16. It is the responsibility of the Engineer of Record to review Working Drawings prior to fabrication. The Engineer of Record shall initial and clearly stamp, in red ink, all approved Working Drawings as either "Approved" or "Approved as Noted". One copy of the final stamped and initialed working drawings shall be sent to the Structure Design Unit. Additionally, the two copies of all final stamped and approved fabrication and/or production drawings shall be sent to the Materials and Test Unit for Inspection purposes.
17. The Hydraulics Unit has reviewed the drainage and recommends approval.
18. All existing utilities which do not meet the requirements of the Policies and Procedures for Accommodating Utilities on Highway Rights of Way manual with respect to minimum bury or material for use under pavement should be relocated to the future berm area.
19. Upon completion of the Structure - Three (3) copies of the "As Built" plans (noted with any changes) sealed, signed, and dated by a licensed North Carolina Professional Engineer should be submitted to the District Engineer who in turn will forward two (2) copies to the Project Services Unit for their files. The Project Services Unit will forward one (1) copy to the Bridge Maintenance Unit for their file. Failure to submit the "As Built" plans within 2 weeks after completion of construction will result in the automatic revocation of this encroachment agreement.
20. All precast concrete units are to meet the requirements of the Standard Specifications and shall be affixed with the NCDOT "Stamp of Approval".

We are returning your file. If you have any questions or if we can be of further assistance, please let us know.

ETC/gtr

Attachment

cc: Ms. Trudy Mullins (with 2 sets of shop drawings & 1 set of bridge plans)  
Mr. Gary Rhodes (7008)