



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

ROY COOPER  
GOVERNOR

JAMES H. TROGDON, III  
SECRETARY

June 18, 2019

MEMORANDUM TO: Lisa Gilchrist, EI  
Highway Division 5 Project Delivery

FROM: Chris McKoy  
Traffic Forecasting Group

SUBJECT: Traffic Forecast for Bridge No. 265  
Wake County  
SR 2711 (Buffaloe Road) over Lake Benson

Please find attached the 2019/2045 traffic forecast for Bridge No. 265 in Wake County.

The forecast represents project No-Build and Build conditions. Replacing Bridge No. 265 is not expected to substantially affect travel demand along SR 2711.

**Certain Assumptions were made during the development of this forecast.**

**Fiscal Constraint:**

Within an MPO area travel demand forecasts assume the construction of projects listed within an MPO's Metropolitan Transportation Plan (MTP). This forecast is consistent with the 2045 MTP of the Capital Area Metropolitan Planning Area (CAMPO) adopted in February of 2018.

**Development Activity:**

Currently there are no specific plans for any substantial development within the immediate area of the project.

**Forecast Methodology:**

The 2019 estimate is based upon current traffic counts and historic AADT trend.

The 2045 forecast was developed based upon review of the historic AADT trend and the potential for development in the project area.

The use of straight-line interpolation to estimate AADT for years between 2019 and 2045 is acceptable.

If it is determined that any of these assumptions have become inconsistent with the project and surrounding area activity, please request an updated forecast.

If we can be of any further assistance please do not hesitate to contact me at 919-707-0939, email: [cdmckoy@ncdot.gov](mailto:cdmckoy@ncdot.gov).

*Mailing Address:*  
NC DEPARTMENT OF TRANSPORTATION  
TRANSPORTATION PLANNING DIVISION  
1554 MAIL SERVICE CENTER  
RALEIGH, NC 27699-1554

*Telephone:* (919) 707-0900  
*Fax:* (919) 733-9794  
*Customer Service:* 1-877-368-4968

*Location:*  
1 SOUTH WILMINGTON ST  
RALEIGH, NC 27601

*Website:* [www.ncdot.gov](http://www.ncdot.gov)



cc (with Attachments):

Brenda Moore, PE, Highway Design Branch  
Scott Walston, PE, Transportation Planning Division  
Keith Dixon, Transportation Planning Division  
Doumit Y. Ishak, Congestion Management  
Traffic Forecasting GIS Support

## Project Wake 265 Traffic Forecast

Wake County bridge No. 265 replacement  
SR 2711 (Buffaloe Road) over Lake Benson

Year	Lanes	AADT	D	K	Duals	TTSTs
2019	2	3,400	55%	9%	2%	1%
2045	2	4,100	55%	9%	2%	1%

June 18, 2019

