



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

ROY COOPER  
GOVERNOR

JAMES H. TROGDON, III  
SECRETARY

August 2, 2018

MEMORANDUM TO: Tierre Peterson, PE  
Structures Management Unit

FROM: Michael Orr  
Traffic Forecasting Group

SUBJECT: Traffic Forecast for B-5982  
Haywood County  
Replace Bridge No. 95 on US 74 over Southern Railroad

Please find attached the 2018/2040 traffic forecast for B-5982 in Haywood County.

The forecast represents project No-Build and Build conditions. Replacing Bridge No. 95 is not expected to substantially affect travel demand along US 74. US 74 is assumed to have four lanes of travel in 2040.

**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 the MPO's Metropolitan Transportation Plan (MTP). This forecast is consistent with the 2040 MTP of the French Broad River MPO. No other projects within the MTP affect travel demand on US 74 within the area of Bridge no. 95.

**Development Activity:**

There is no substantial land development currently under construction, nor is any substantial future development within the immediate area of the project assumed within the traffic forecast.

**Forecast Methodology:**

The 2018 estimates are based upon historic AADT trends and published traffic data.

The 2040 forecast was developed based upon predictions of the French Broad River Travel Demand Model.

The use of straight-line interpolation to estimate AADT for years between 2018 and 2040, and straight-line extrapolation to estimate AADT for up to 2 years beyond 2040, 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.

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If we can be of any further assistance please do not hesitate to contact me at 919-707-0982, email: mlorr@ncdot.gov.

cc (with Attachments):

Brenda Moore, PE, Highway Design Branch  
Daniel Sellers, Transportation Planning Division  
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Jim Dunlop, PE, Congestion Management Section  
Clark Morrison, PhD, PE, Pavement Management  
Traffic Forecasting GIS Support  
File Copy: B-5982 Haywood County

Project B-5982 Traffic Forecast

Haywood County bridge B095 replacement – US 74 over Southern Railroad

Year	#Lanes US 74	AADT	D	K	Duals	TTSTs
2018	4	32,000	55	8	4	5
2040	4	43,000	55	8	4	5

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