



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

ROY COOPER  
GOVERNOR

J. ERIC BOYETTE  
SECRETARY

June 21, 2022

MEMORANDUM TO: Ryan Newcombe  
Division Project Engineer  
NCDOT-Division 9

FROM: Chris McKoy  
Traffic Forecasting Group

SUBJECT: Traffic Forecast update of B-5773  
Davidson County  
Replace Bridge No. 25 on SR 3346 (South Main Street) over  
Winston Salem S.B. Railroad.

Please find attached the 2022/2045 Traffic Forecast update of project B-5773 in Davidson County.

The forecast includes the following scenarios:

- Base Year (2022) Project No-Build/Build Estimate
- Future Year (2045) Project No-Build/Build 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 High Point Metropolitan Planning Organization 2045 MTP. This forecast also assumes that all projects listed within the NCDOT 2020-2029 STIP will be constructed and open to traffic by 2045.

**Development Activity:**

There is no substantial development under construction nor is any substantial development expected within the vicinity of the project.

**Forecast Methodology:**

The 2022 Estimate is based upon current traffic counts validated by historical AADT trends and a review of the previous Traffic Forecast for B-5773 completed in 2016.

The 2045 forecast was developed based upon consideration of output from the Piedmont Triad Regional Travel Demand Model (v5.2), review of B-5773 and review of population projections for Davidson County prepared by the State Demographers Office.

The use of straight-line interpolation to estimate AADT for years between 2022 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 further assistance, please do not hesitate to contact me at 707-0939, email: [cdmckoy@ncdot.gov](mailto:cdmckoy@ncdot.gov).

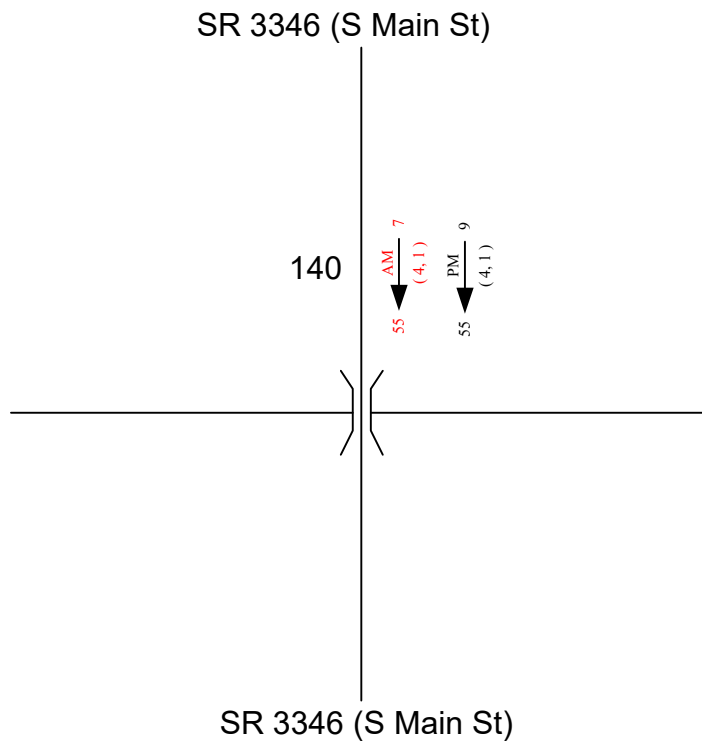
*Mailing Address:*  
NC DEPARTMENT OF TRANSPORTATION  
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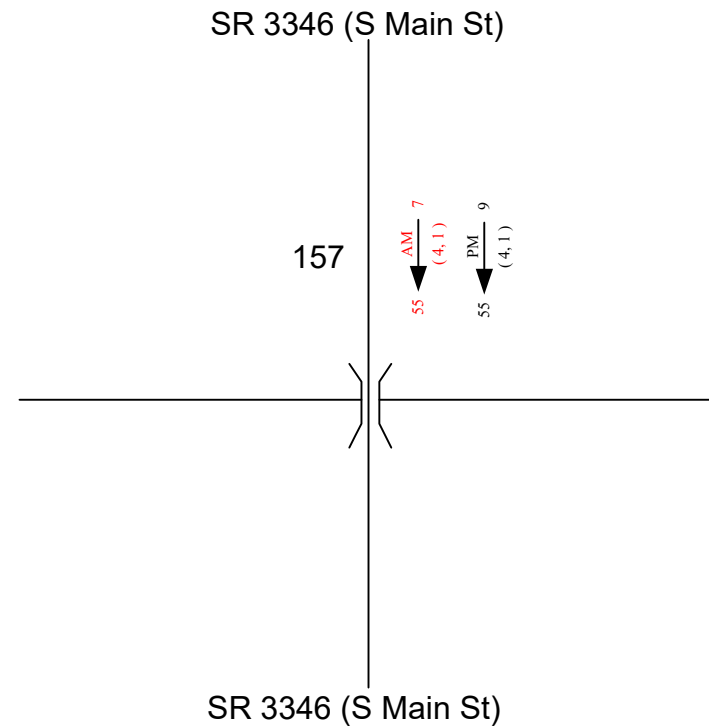
*Website:* [www.ncdot.gov](http://www.ncdot.gov)

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

# 2022



# 2045



Sheet 1 of 1

## No Build/Build

AVERAGE ANNUAL DAILY TRAFFIC

### LEGEND

<b>###</b>	No. of Vehicles Per Day (VPD) in 100s	<b>K</b>	Design Hour Factor(%)
<b>1-</b>	Less than 50 VPD	<b>D</b>	Peak Hour Directional Split (%)
<b>X</b>	Movement Prohibited	<b>→</b>	Indicates Direction of D
(d,t)	Duals, TT-STs (%)		

<b>TIP:</b> B-5773	<b>WBS:</b> 45729.1.1
<b>COUNTY:</b> Davidson	<b>DIVISION:</b> 9
<b>DATE:</b> 6-21-2022	
<b>PREPARED BY:</b> Chris McKoy	
<b>LOCATION:</b> SR 3346 over WS SB RR	
<b>PROJECT:</b> Replace Bridge No.25	