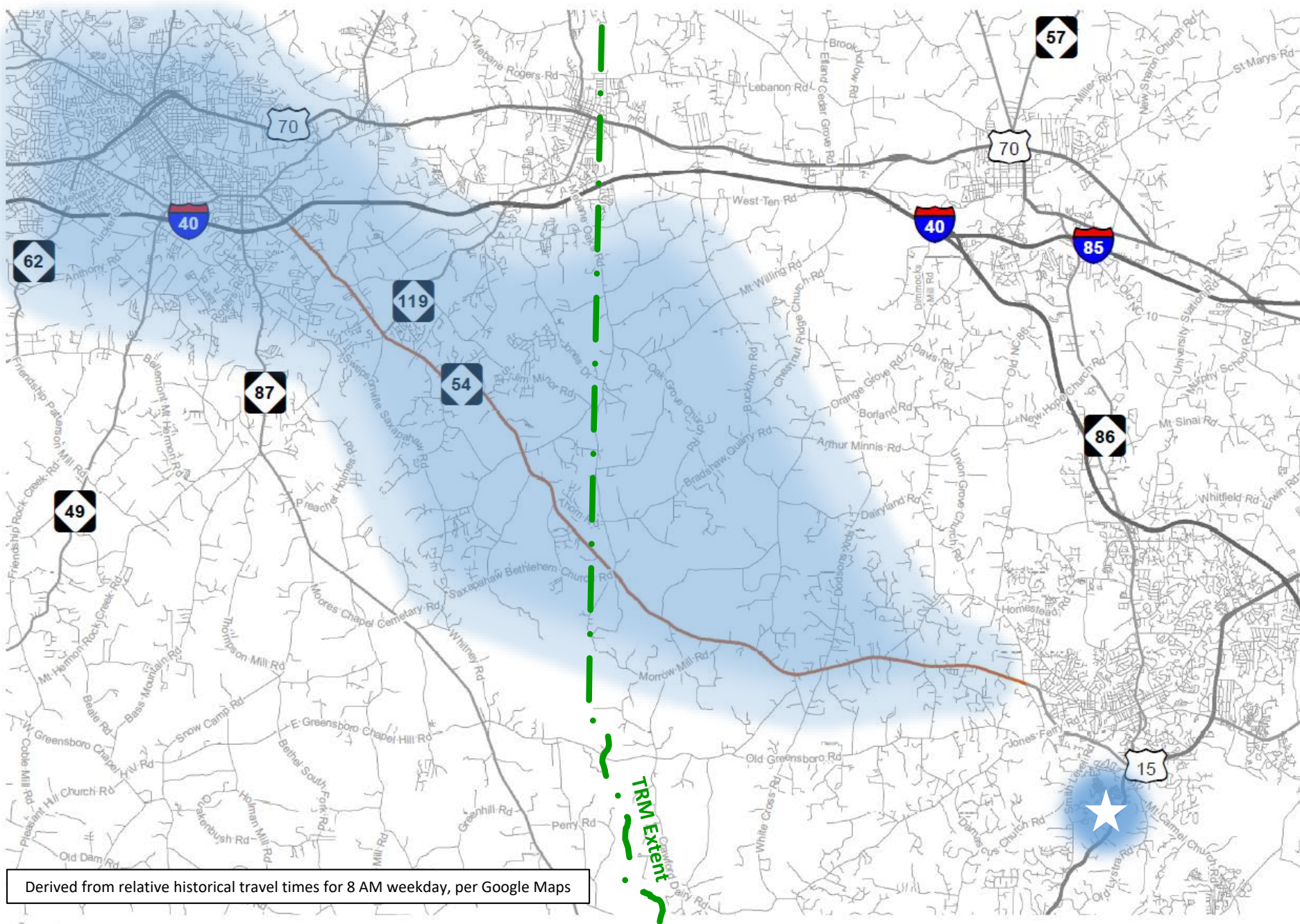
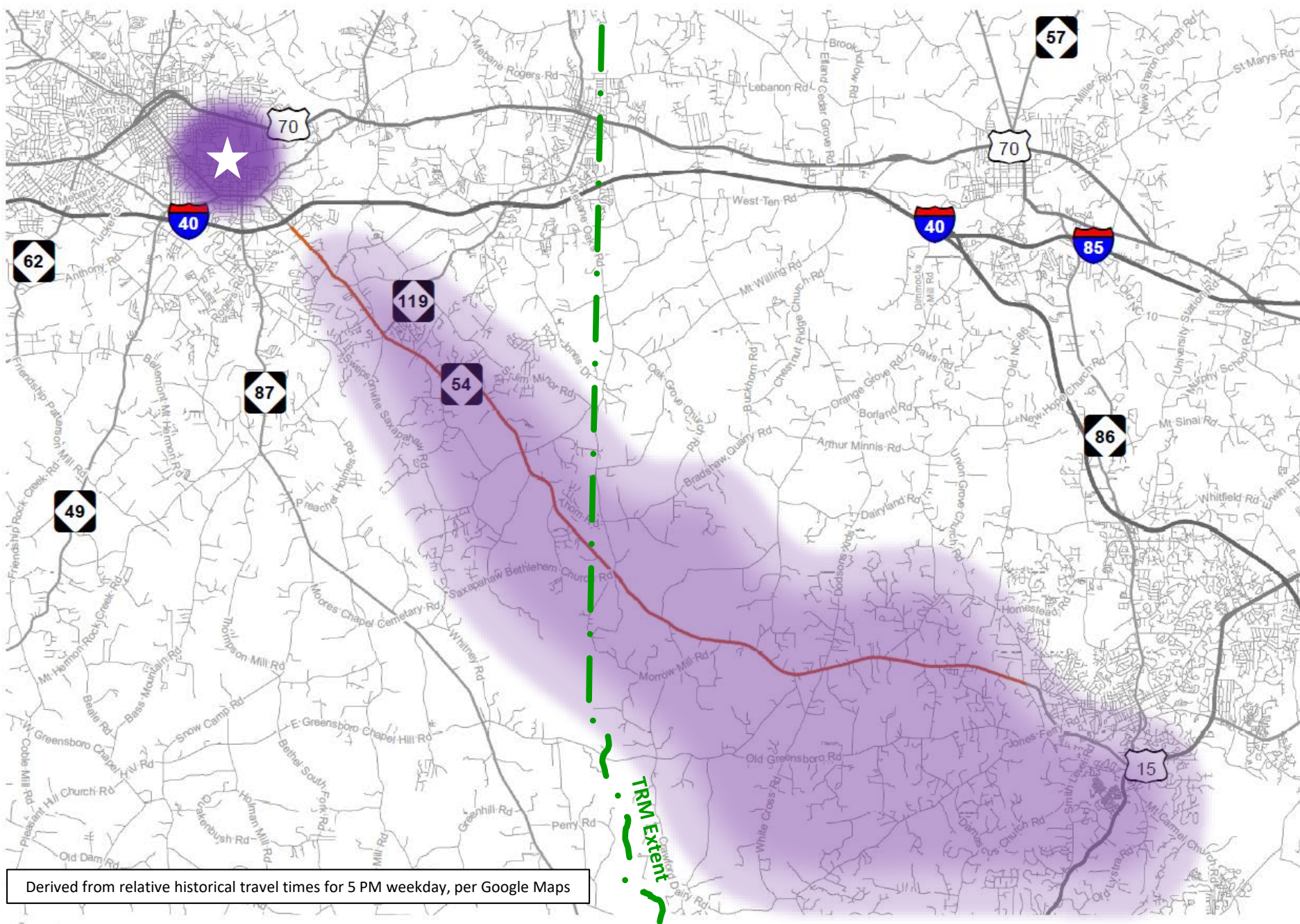


**Figure 1: Estimated NC 54 Travelshed for Trips to Chapel Hill**



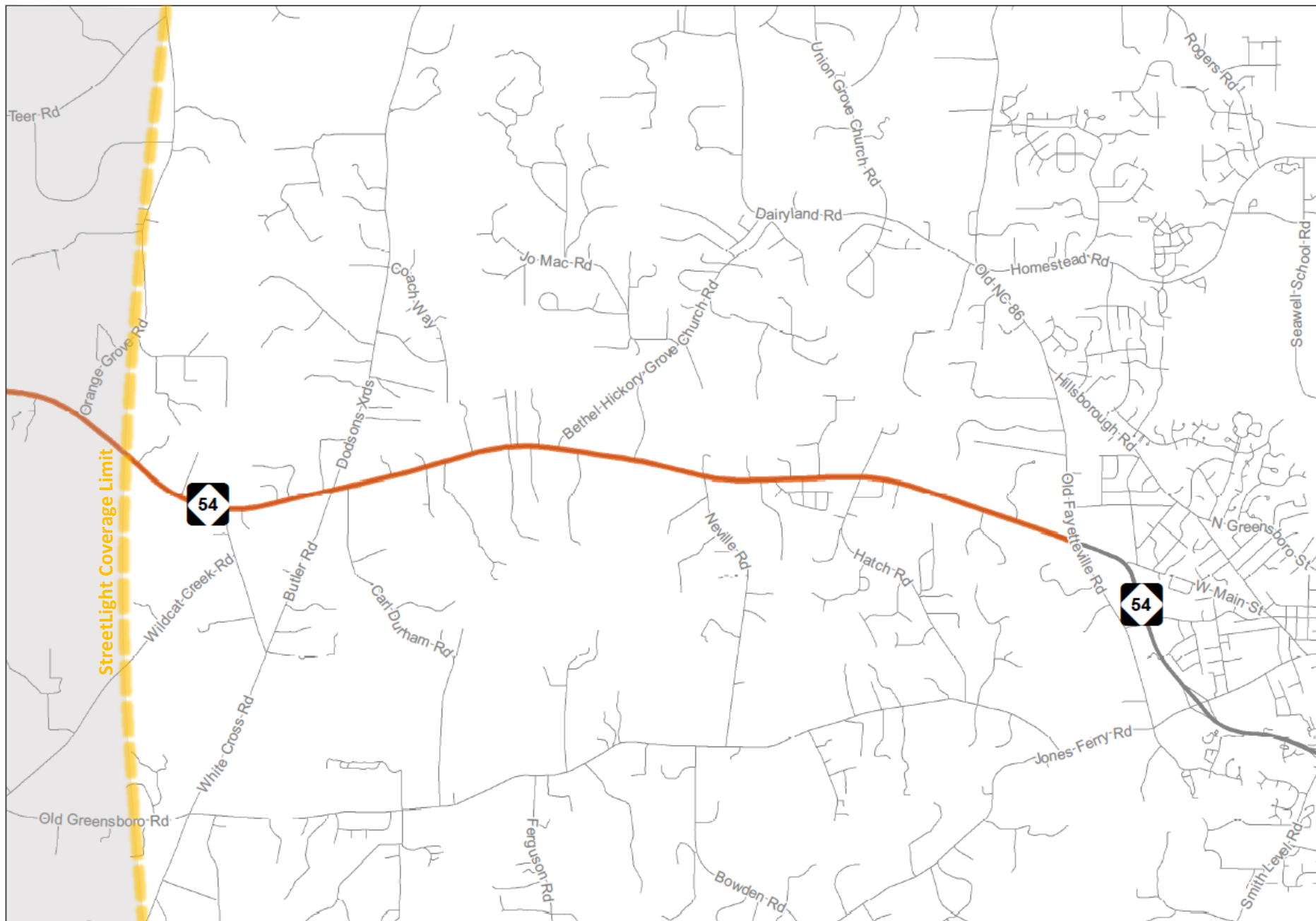












## Daily Vehicle-Trip Distribution (StreetLight InSight Data)

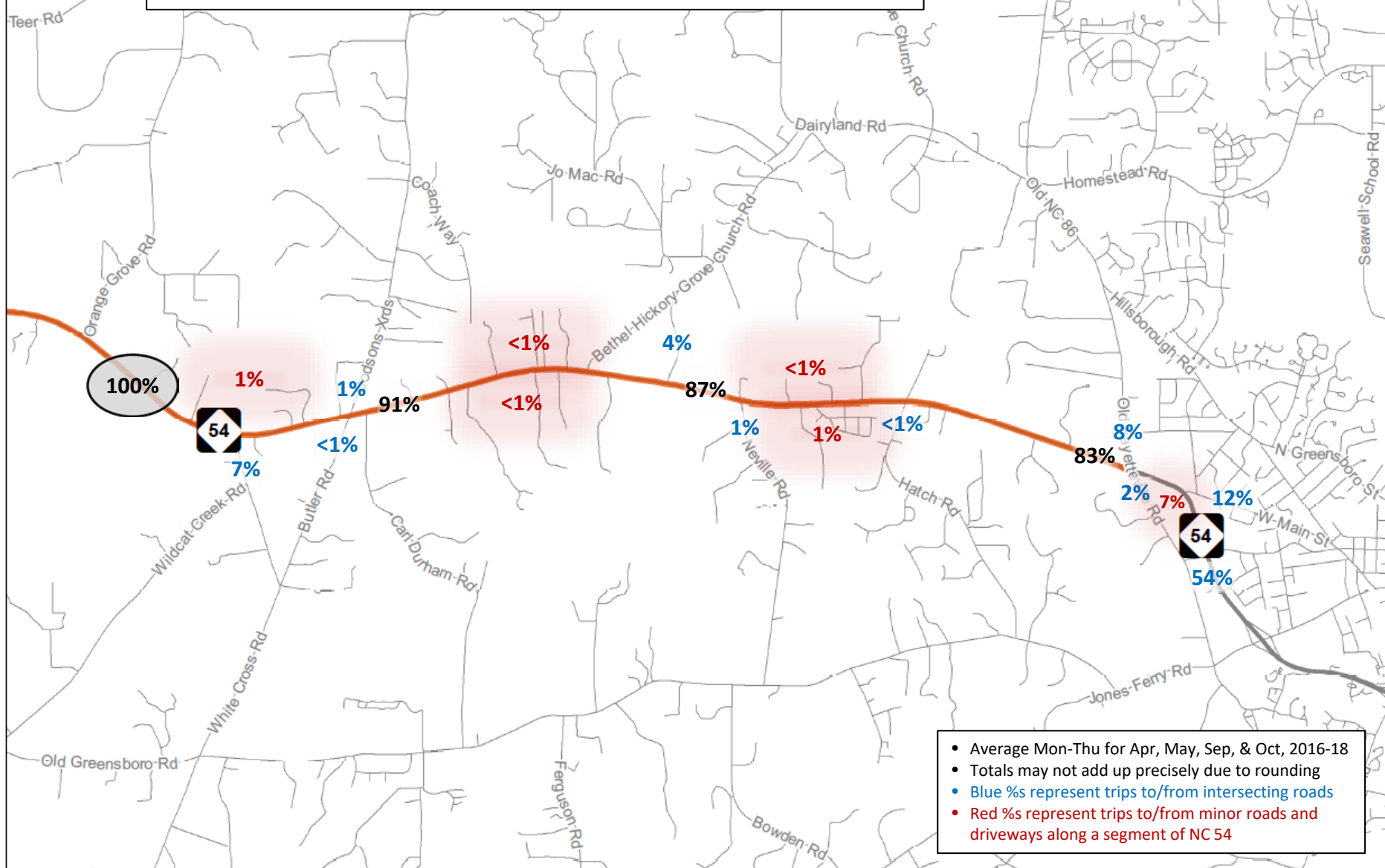


Figure 6: Origin-Destination Analysis – NC 54 East of Orange Grove Road



## AM Peak Vehicle-Trip Distribution (StreetLight InSight Data)

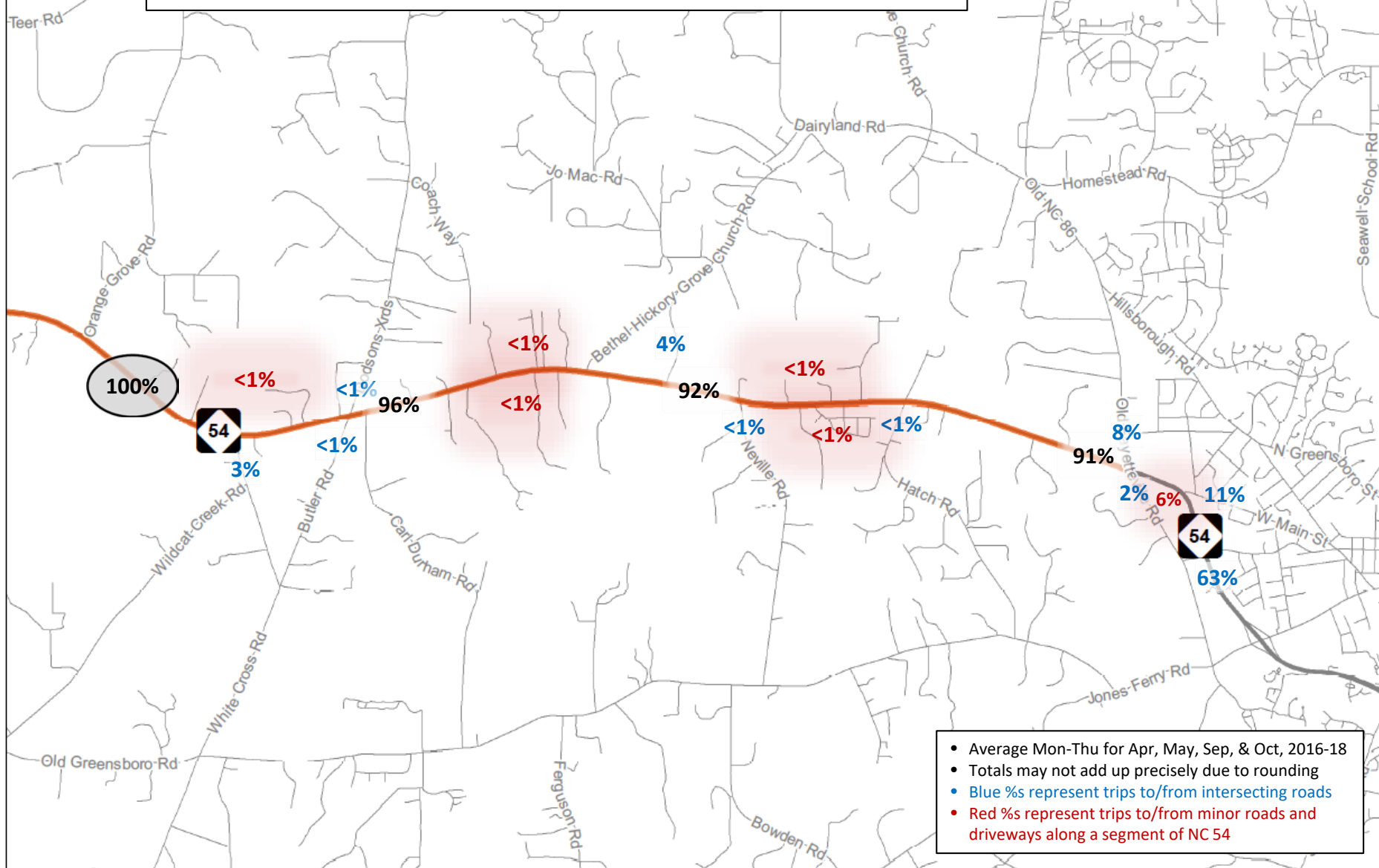
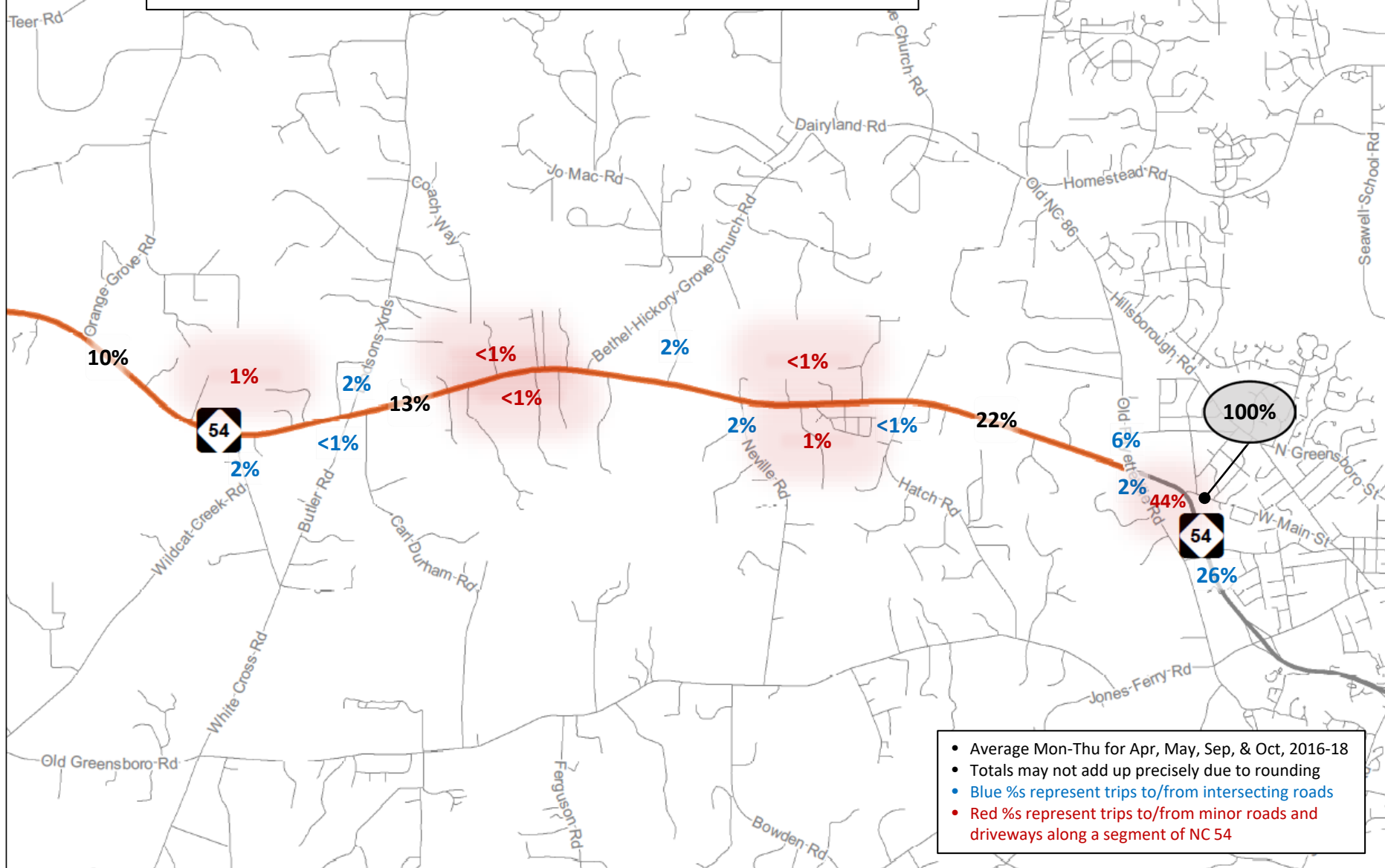


Figure 7: Origin-Destination Analysis – NC 54 East of Orange Grove Road

## Daily Vehicle-Trip Distribution (StreetLight InSight Data)





## Daily Vehicle-Trip Distribution (StreetLight InSight Data)

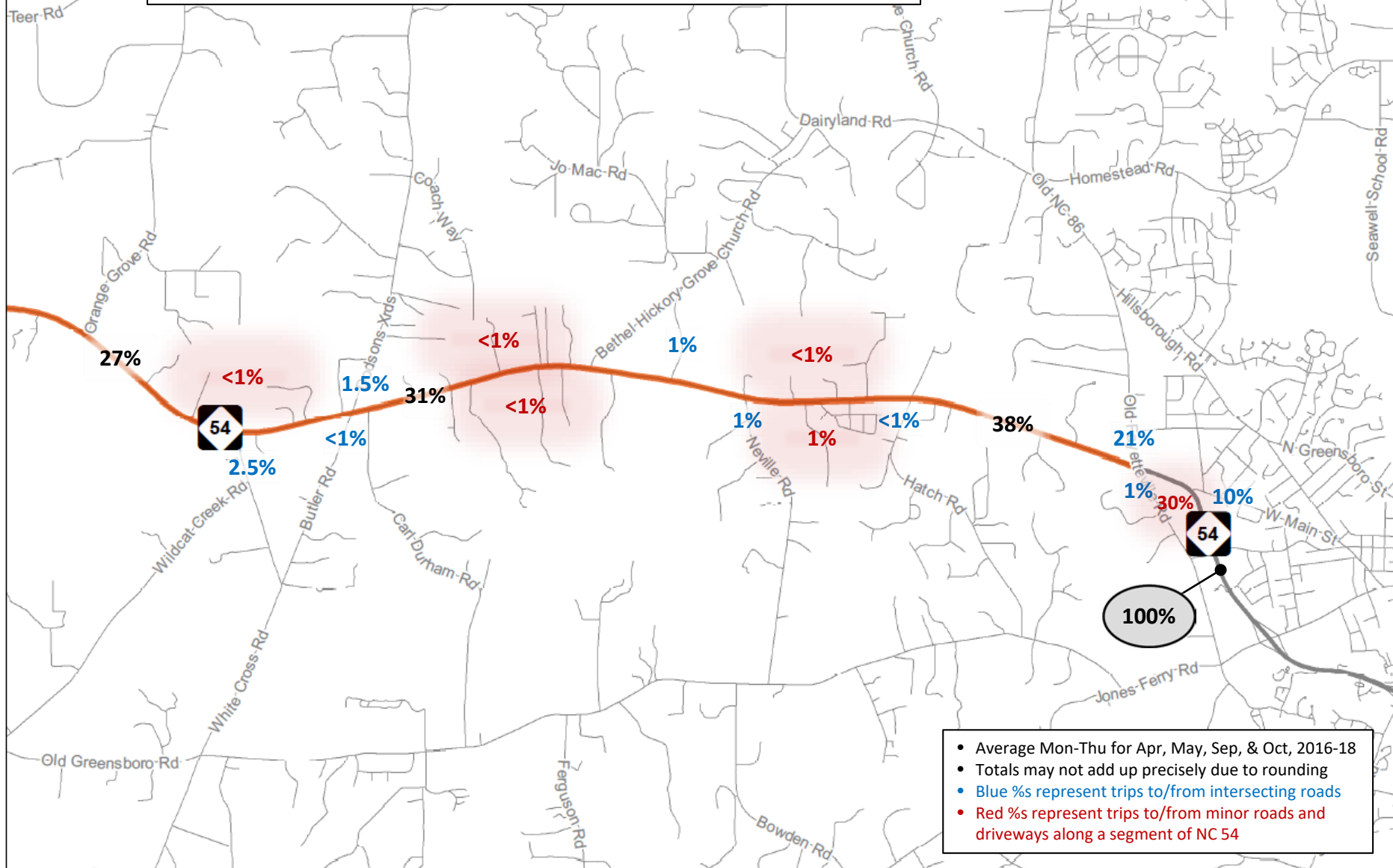
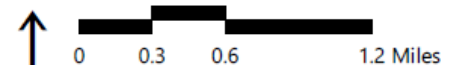


Figure 9: Origin-Destination Analysis –NC 54 Bypass South of West Main St



**Figure 10a: TRM & PTRM Population Growth (2013 – 2045)**

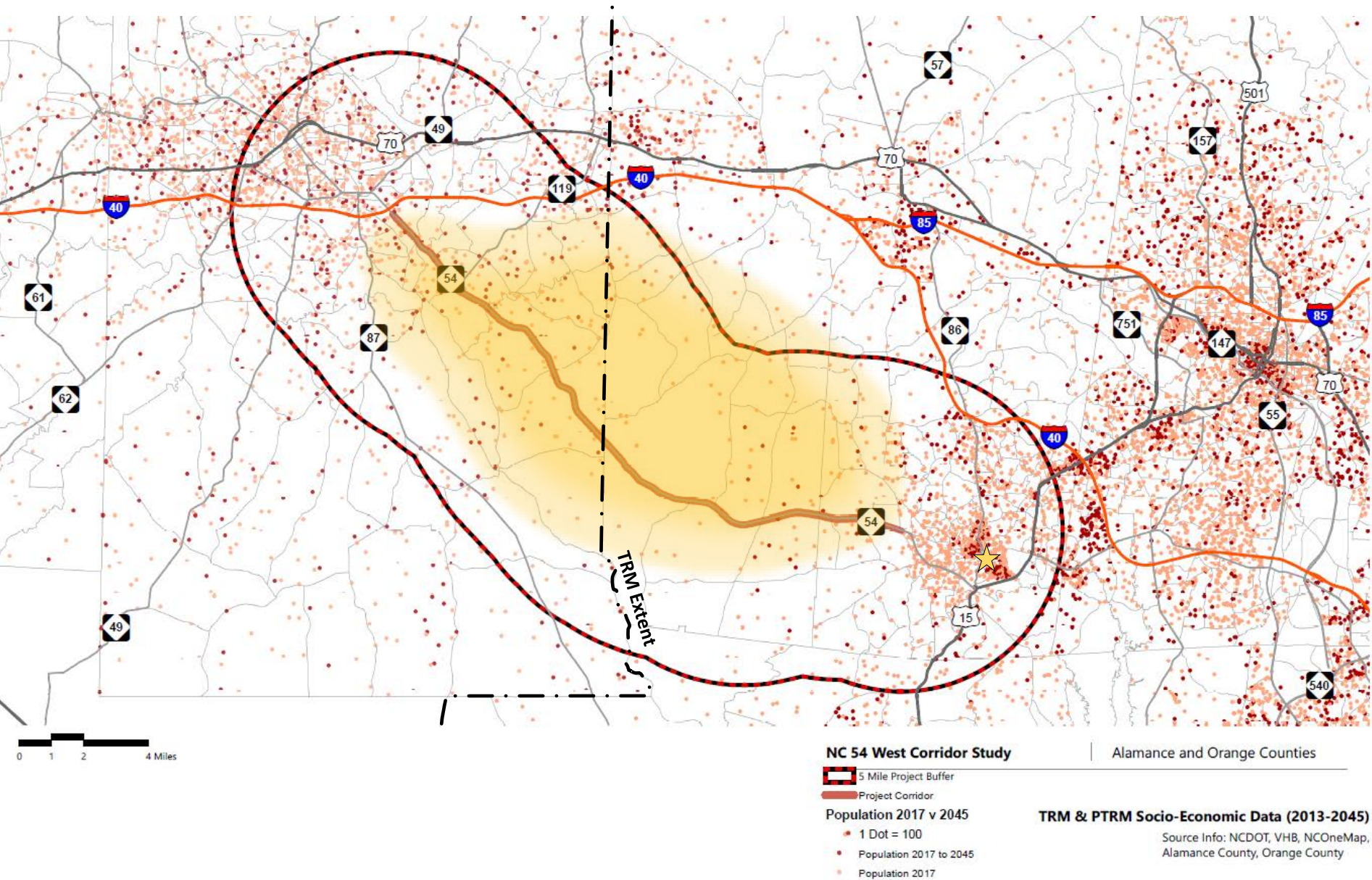




Figure 10b: TRM & PTRM Population Growth (2013 – 2045)

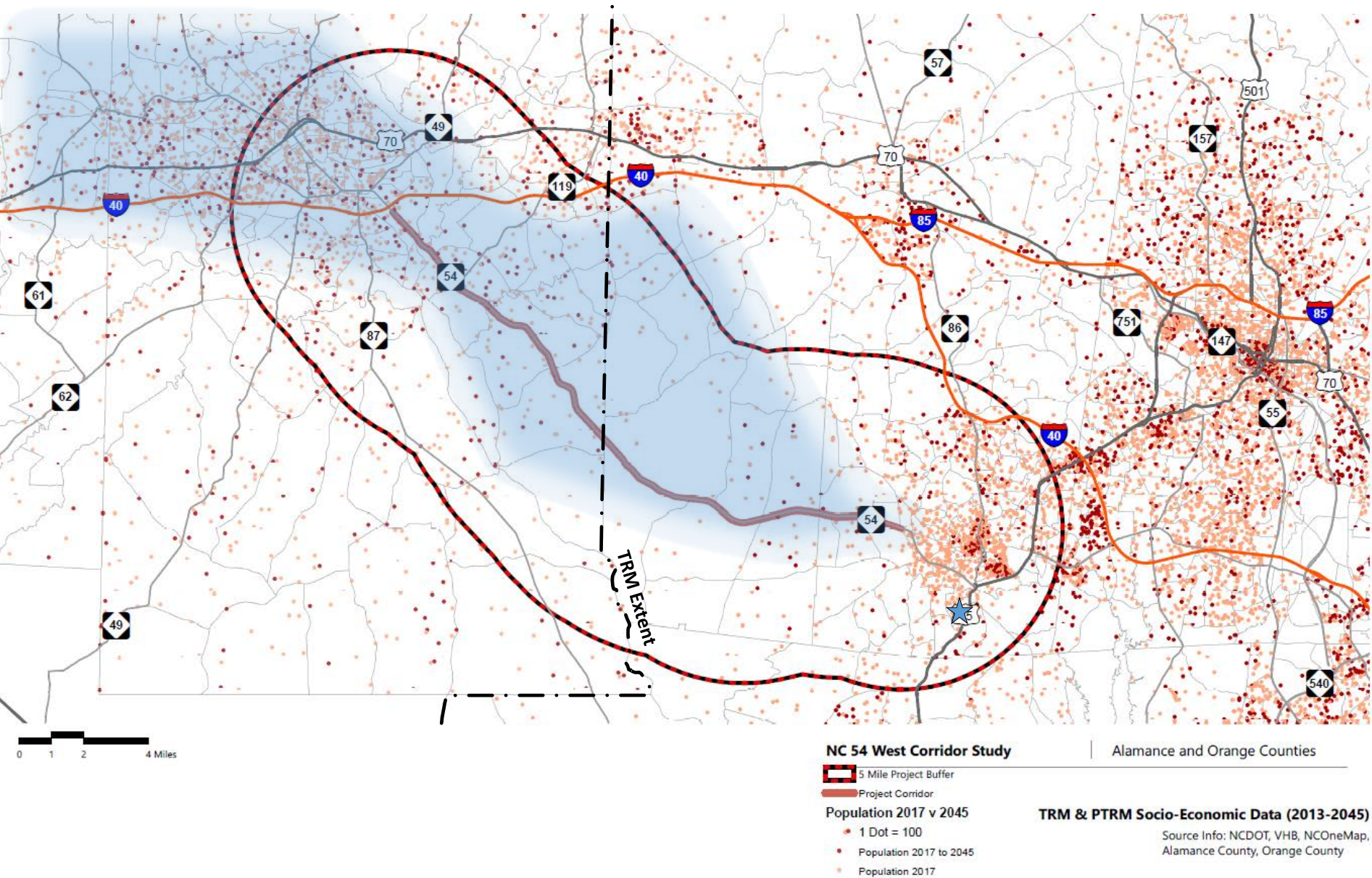
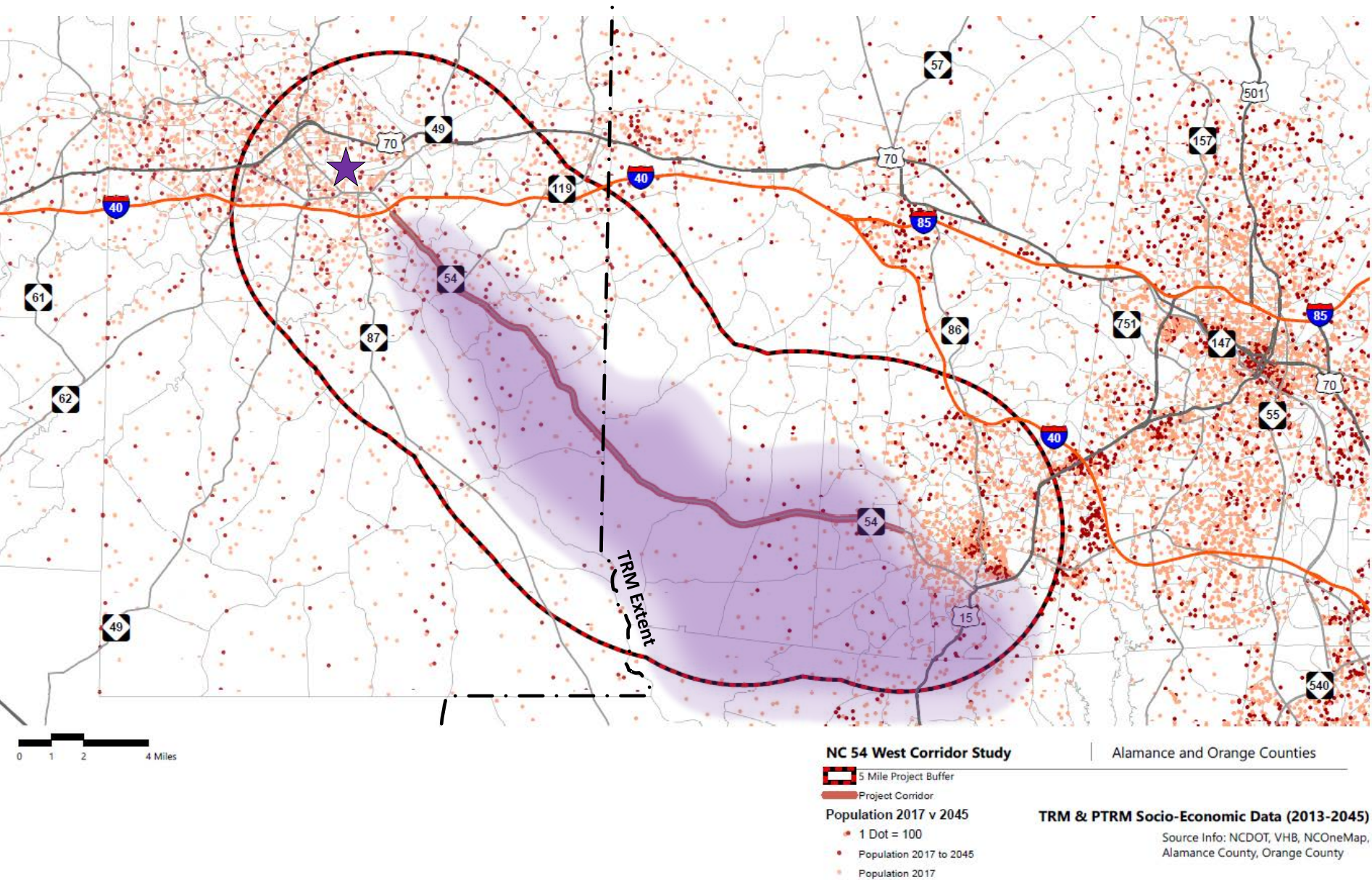


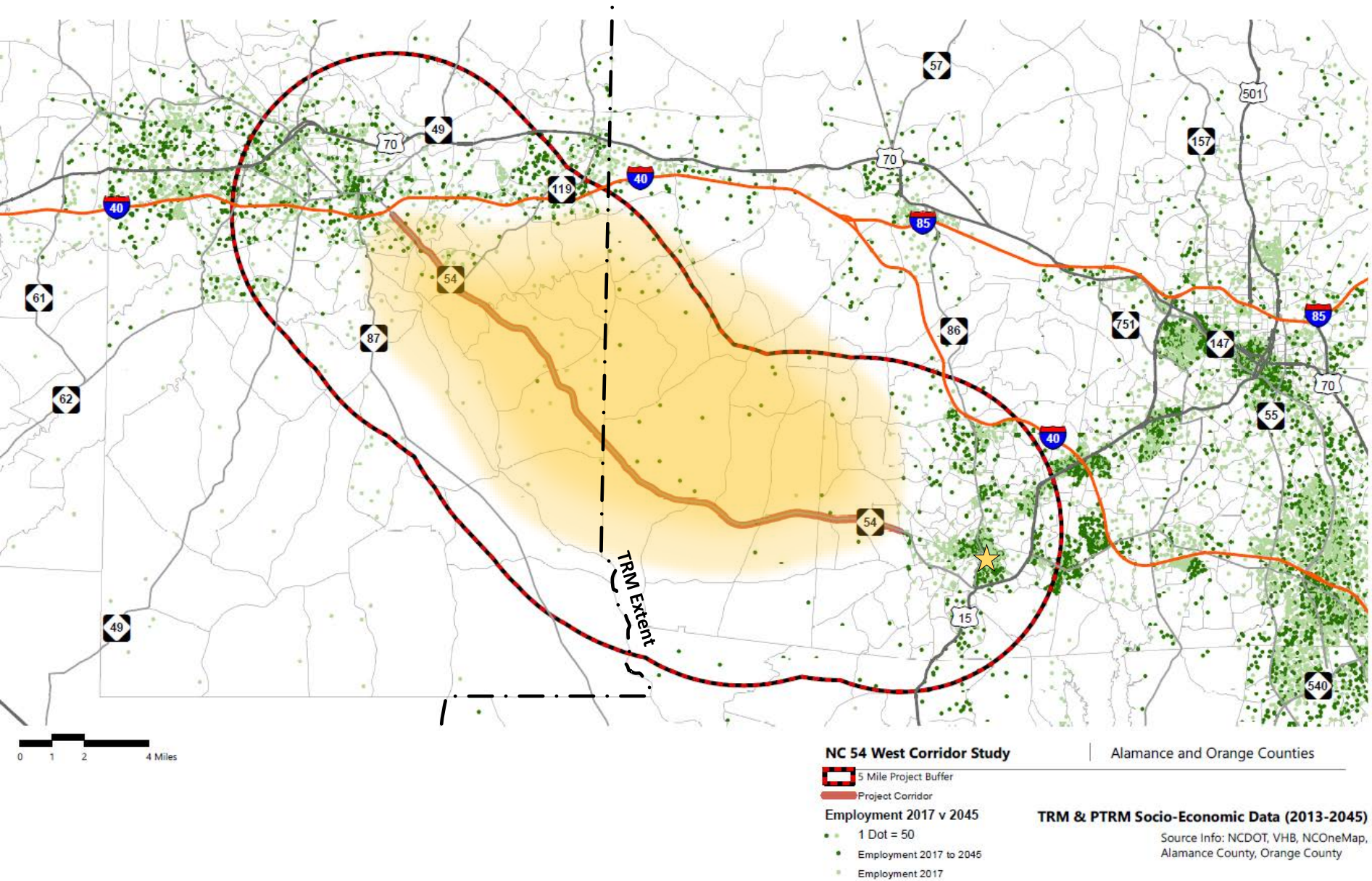


Figure 10c: TRM & PTRM Population Growth (2013 – 2045)



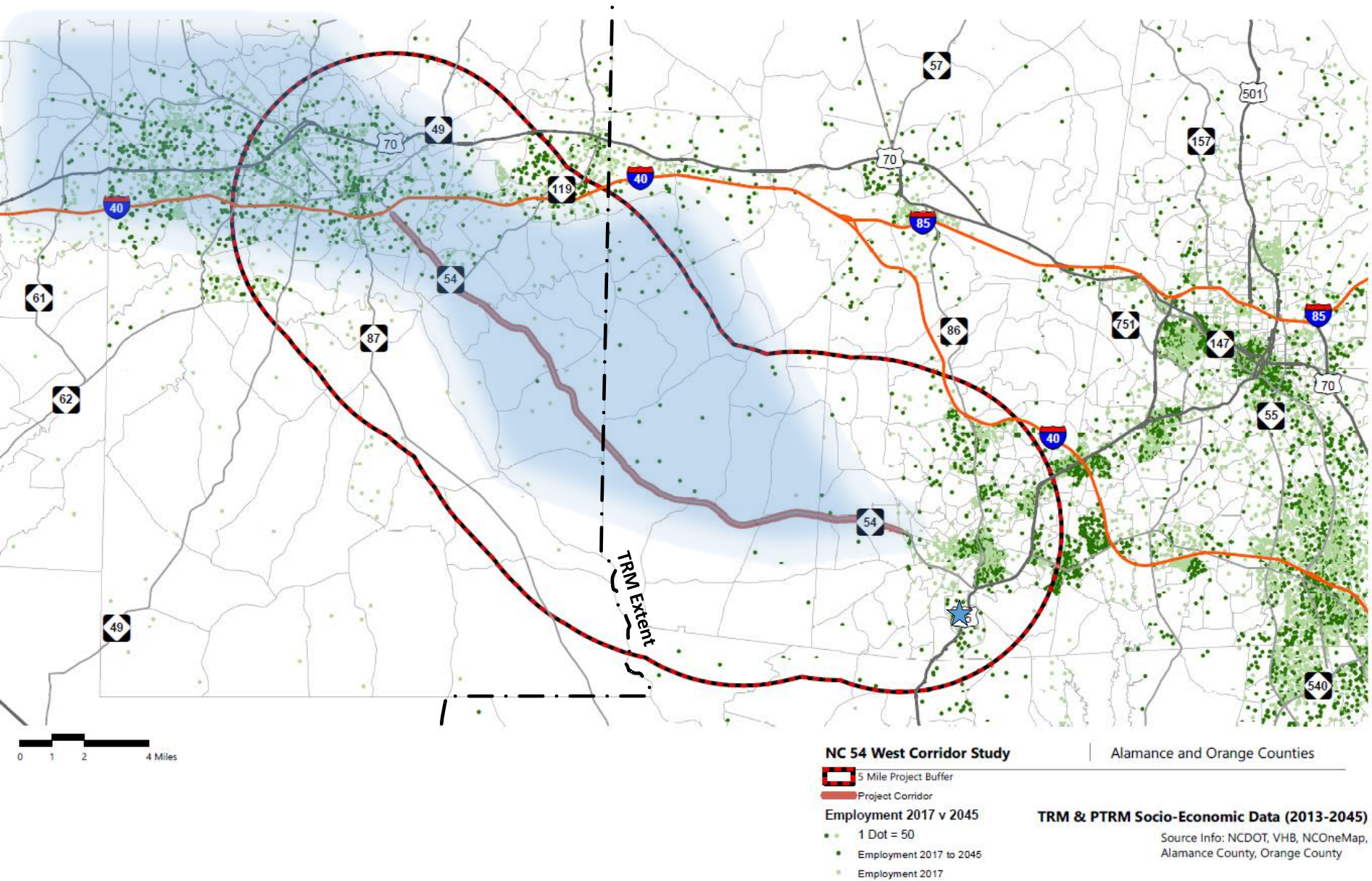


**Figure 11a: TRM & PTRM Employment Growth (2013 – 2045)**



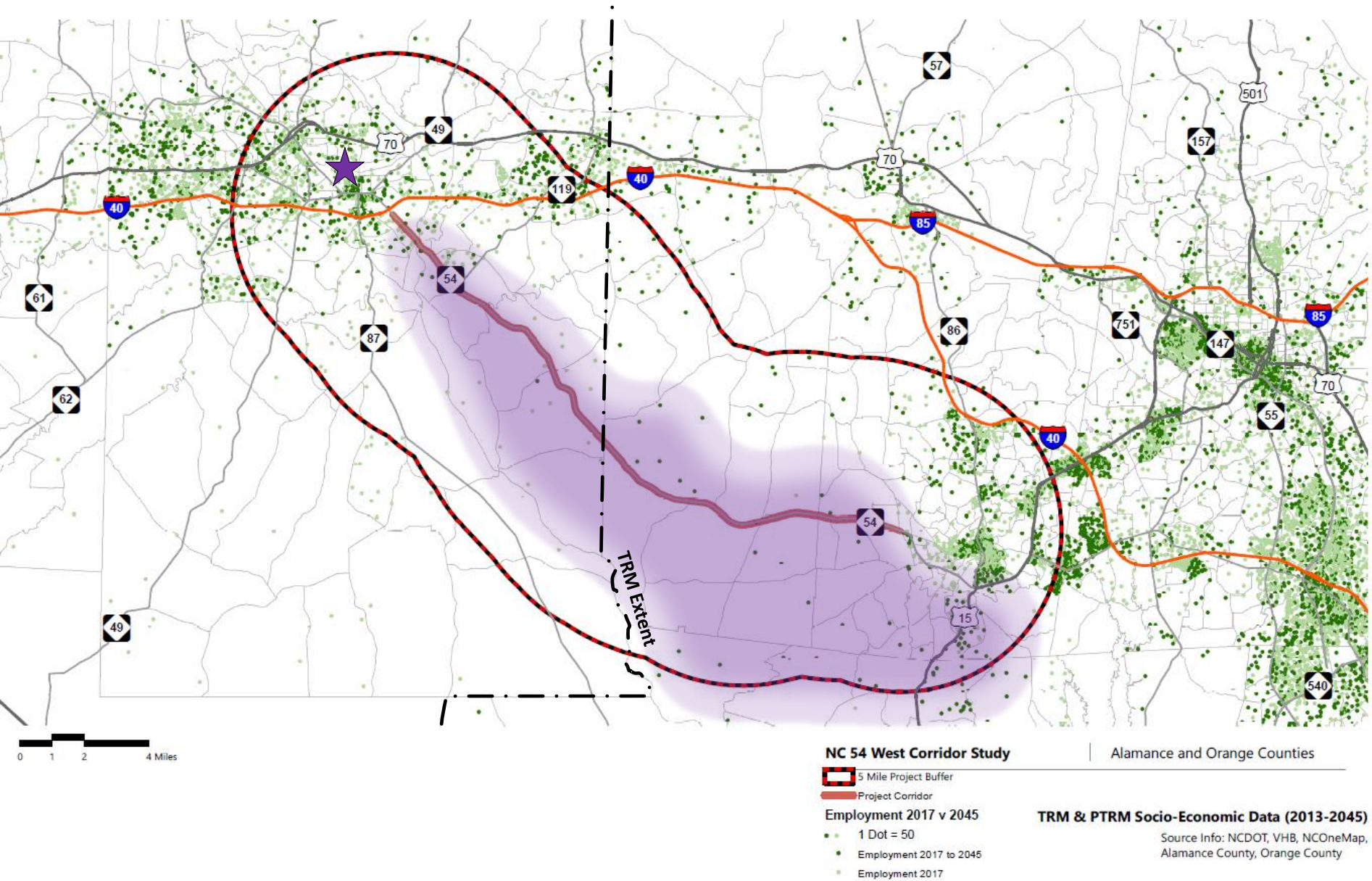


**Figure 11b: TRM & PTRM Employment Growth (2013 – 2045)**





**Figure 11c: TRM & PTRM Employment Growth (2013 – 2045)**



## Daily Vehicle-Trip Distribution (TRM)

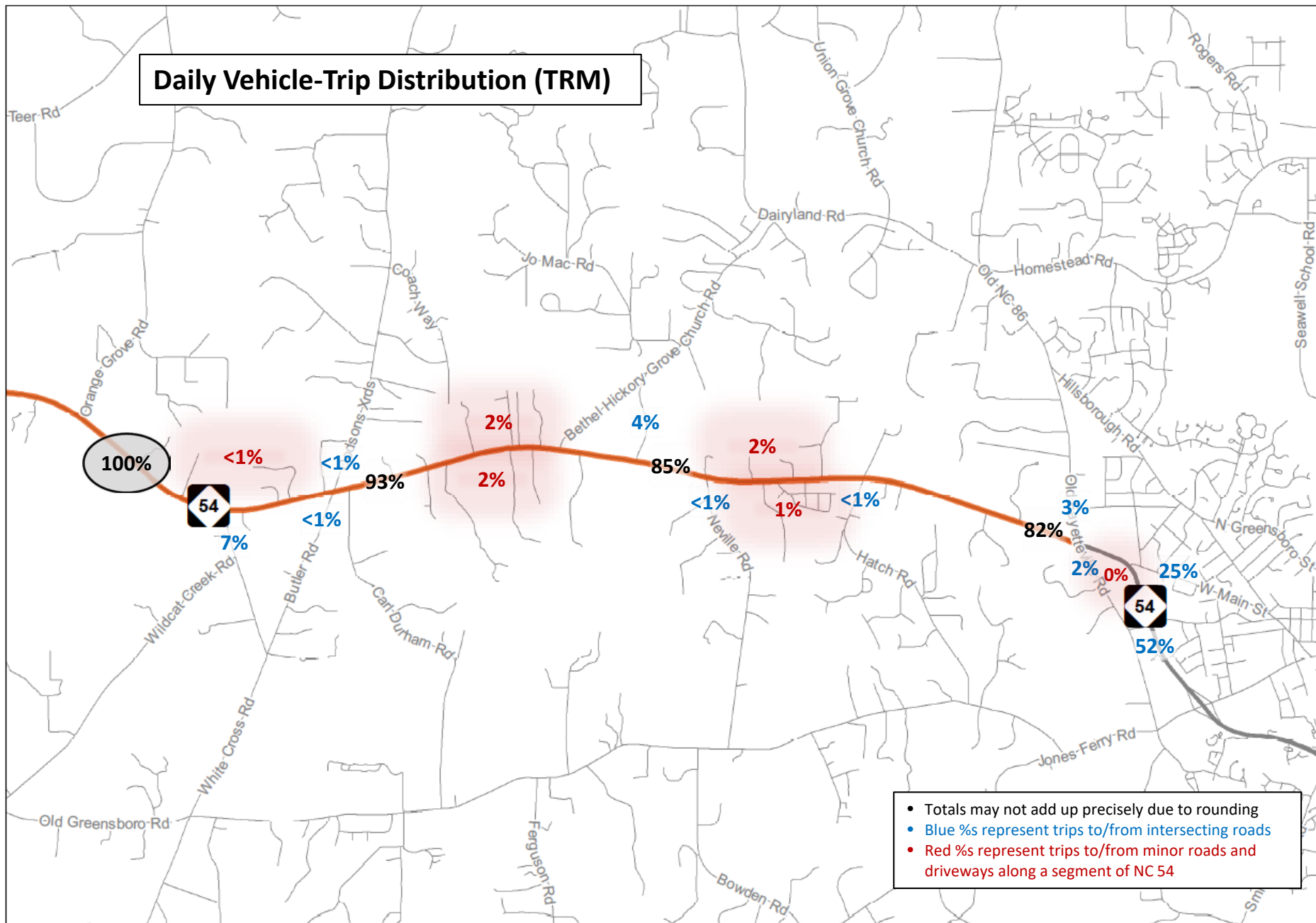


Figure 12: TRM Select Link Analysis – NC 54 East of Orange Grove Road







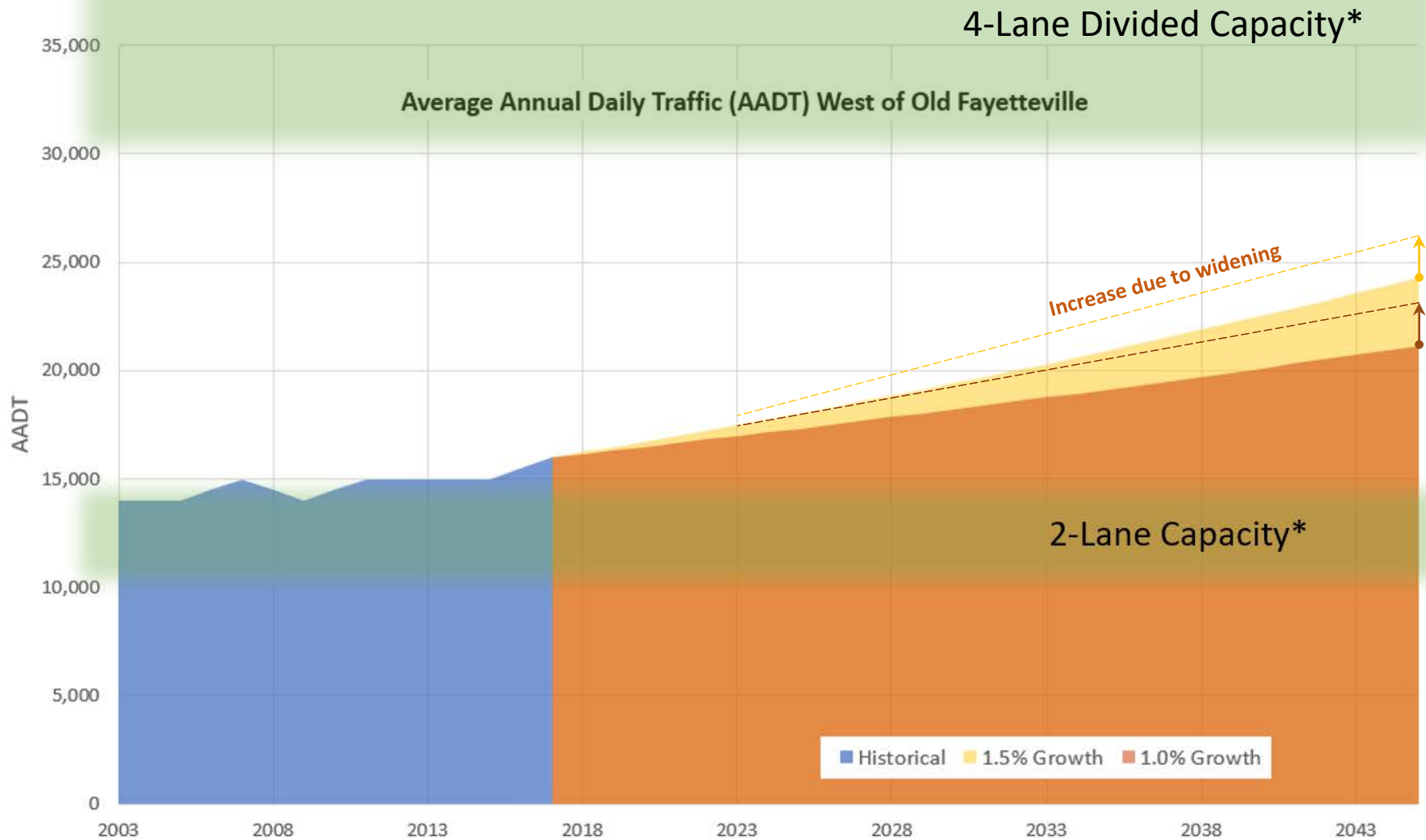


Figure 14: Relative Impacts of Traffic Shifts due to NC 54 Widening

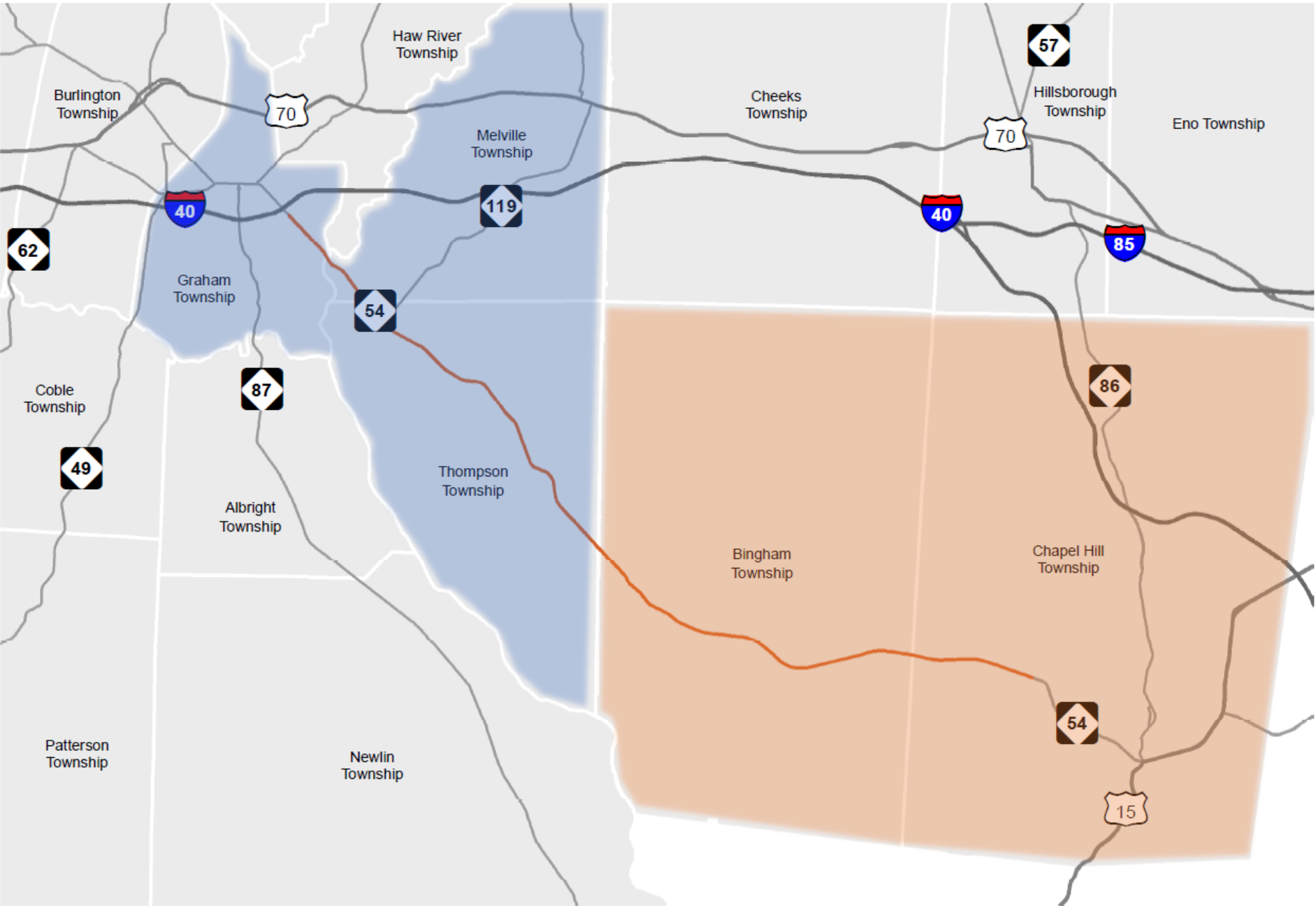
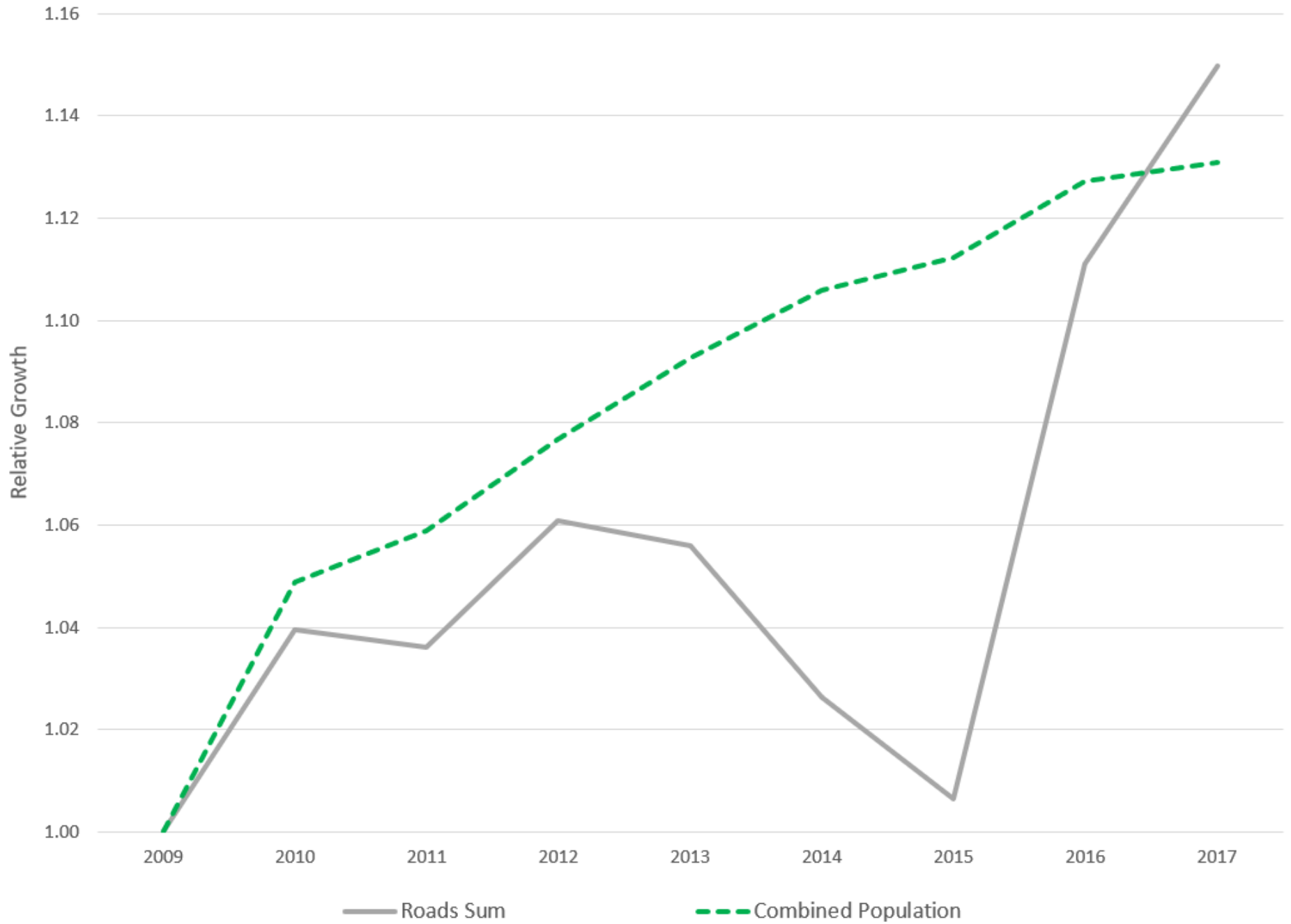
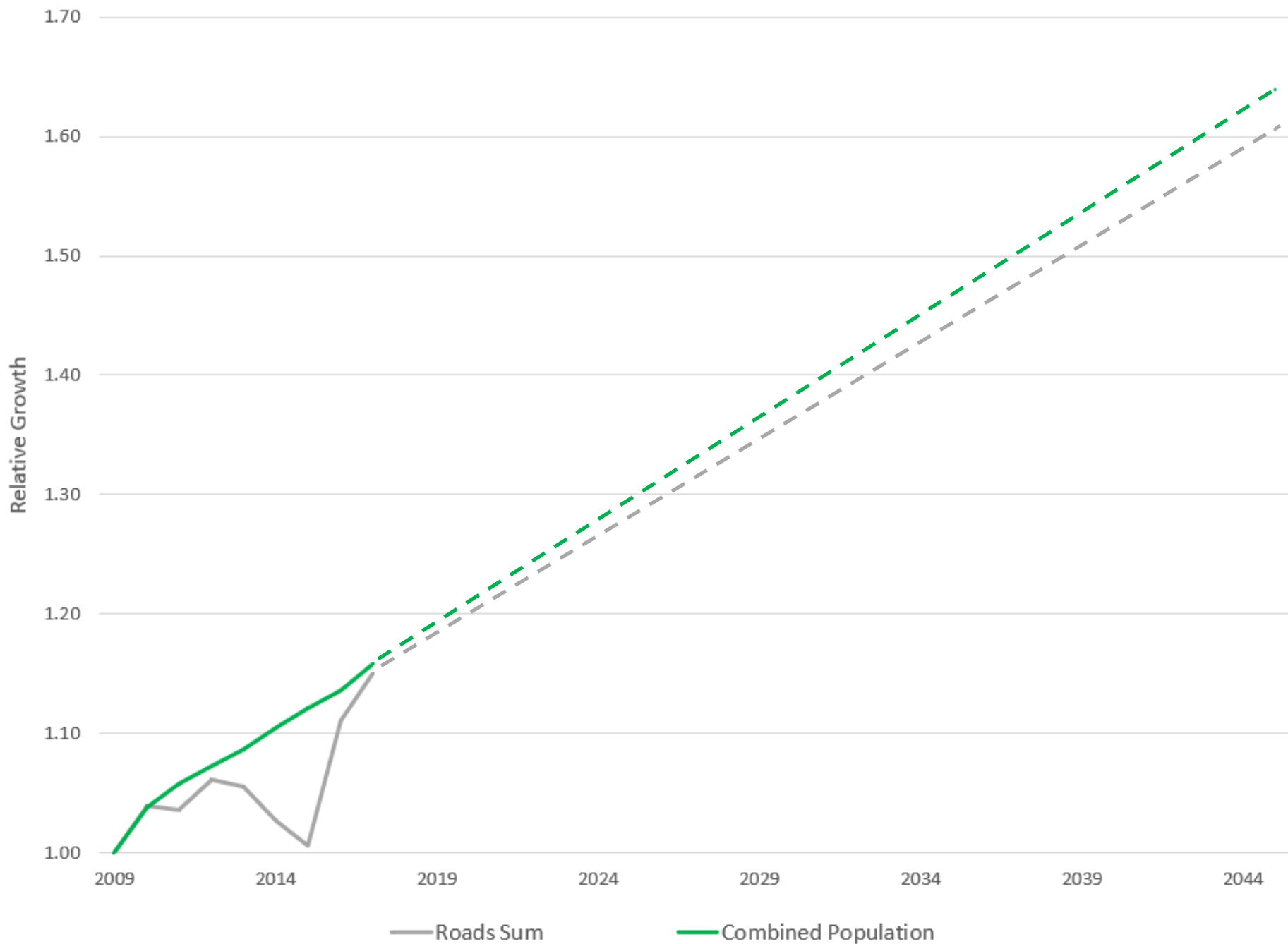


Figure 15: Areas Included in Population-AADT Correlation Analysis



**Figure 16: Comparison of Historical Population and AADT Aggregations**





**Figure 17: Comparison of Aggregated Population and AADT Forecasts**

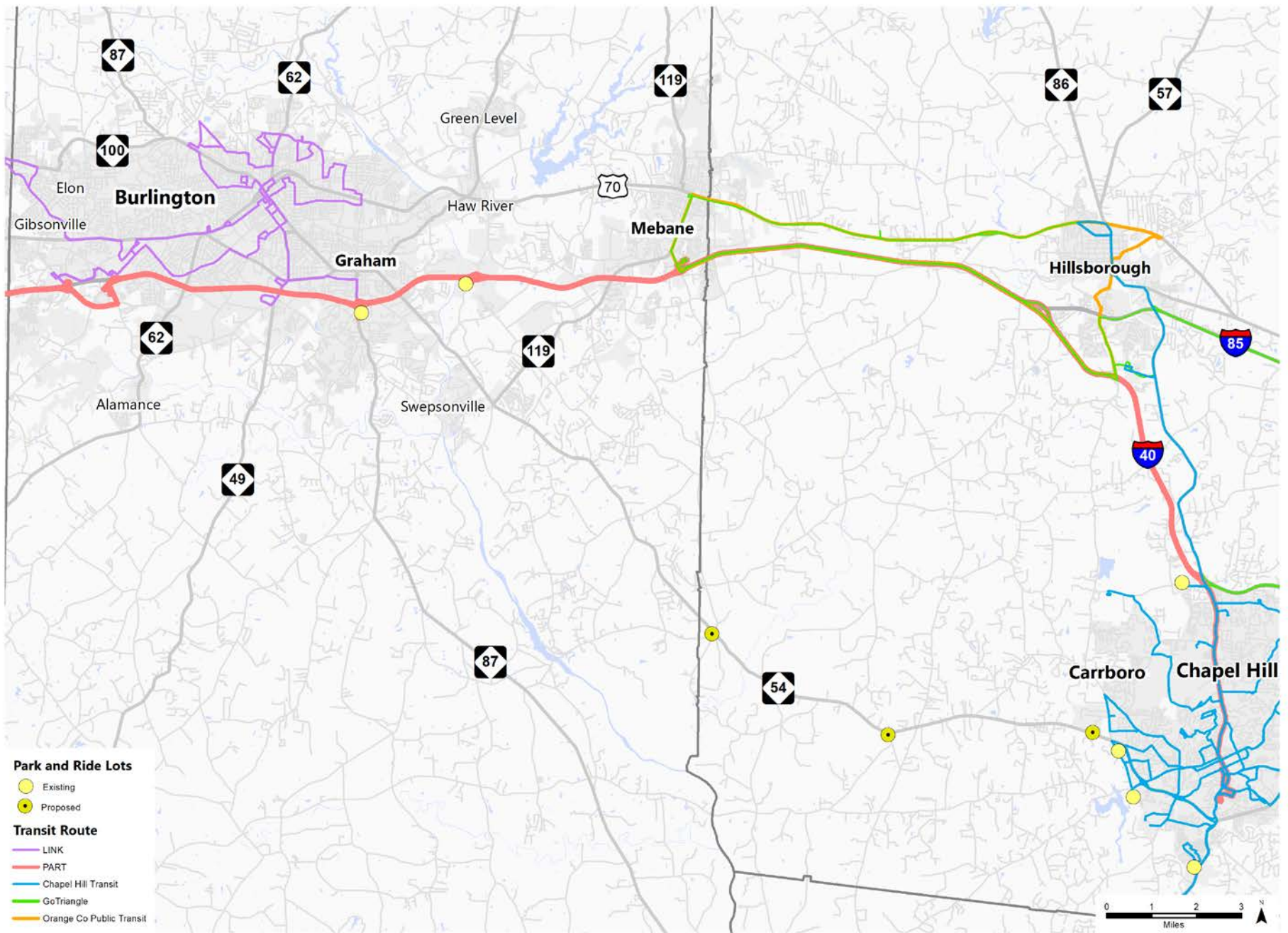
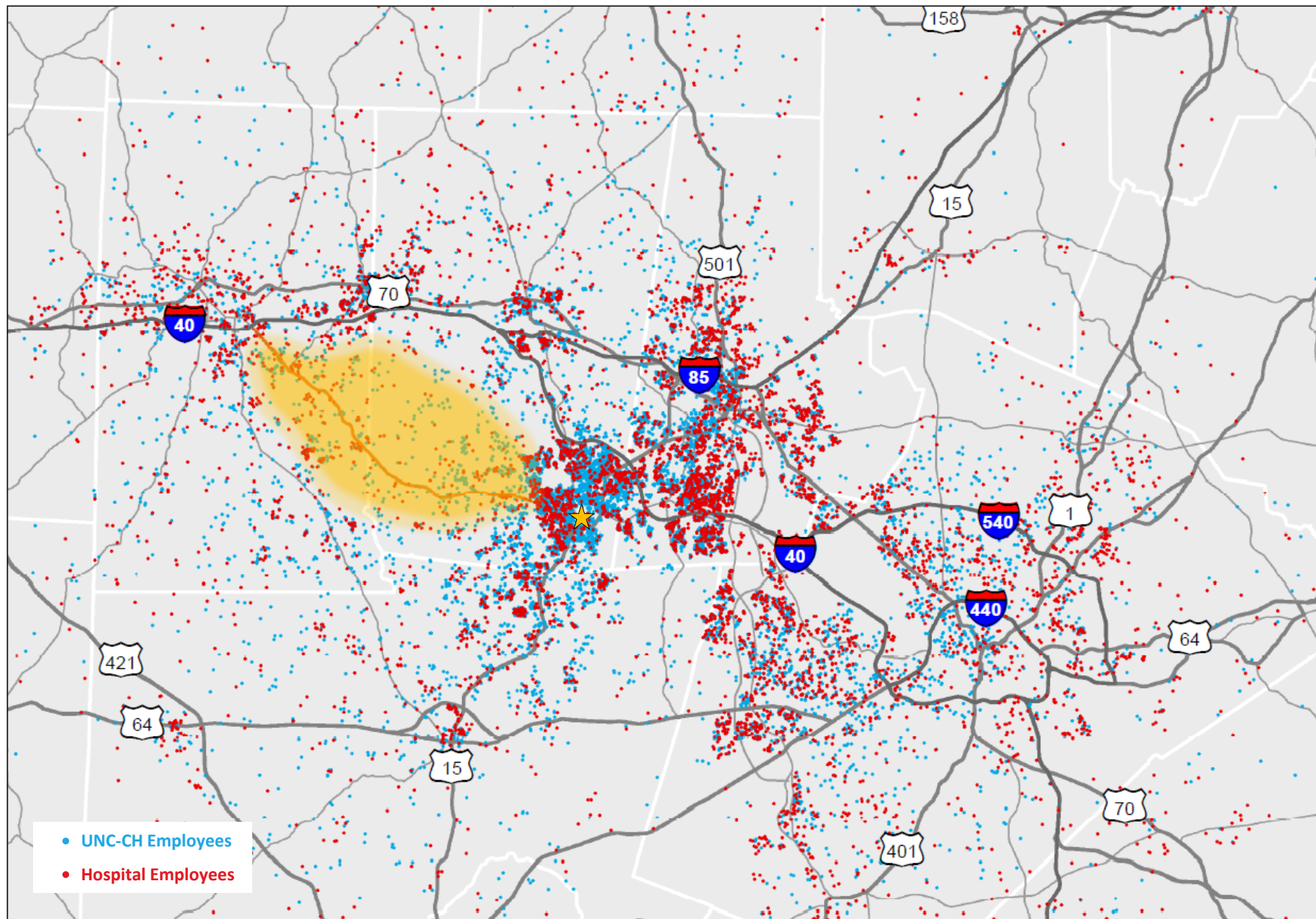


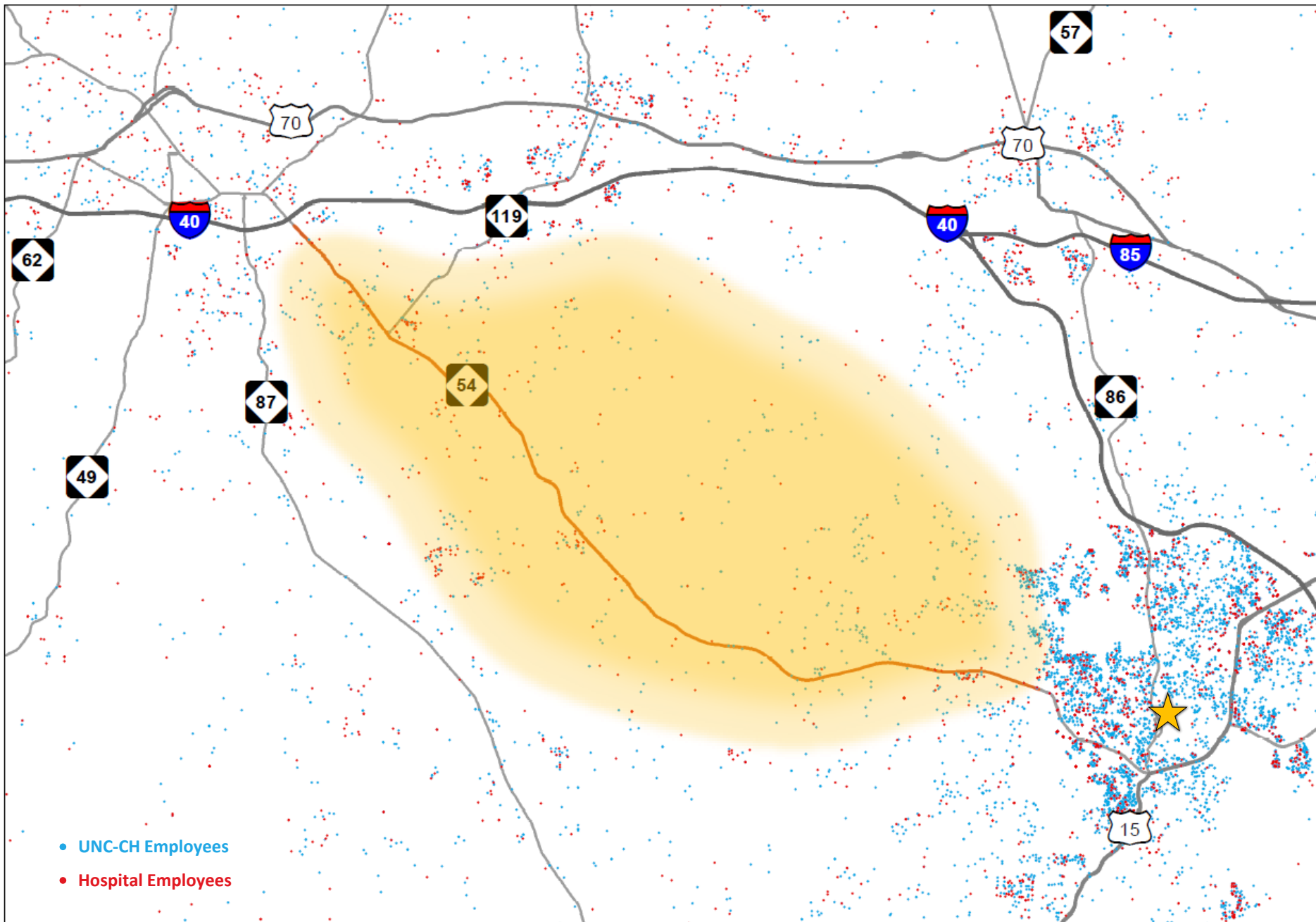
Figure 18: Transit Routes and Park-&-Ride Lots





Source: UNC-CH Development Plan, 2017 TIA Update

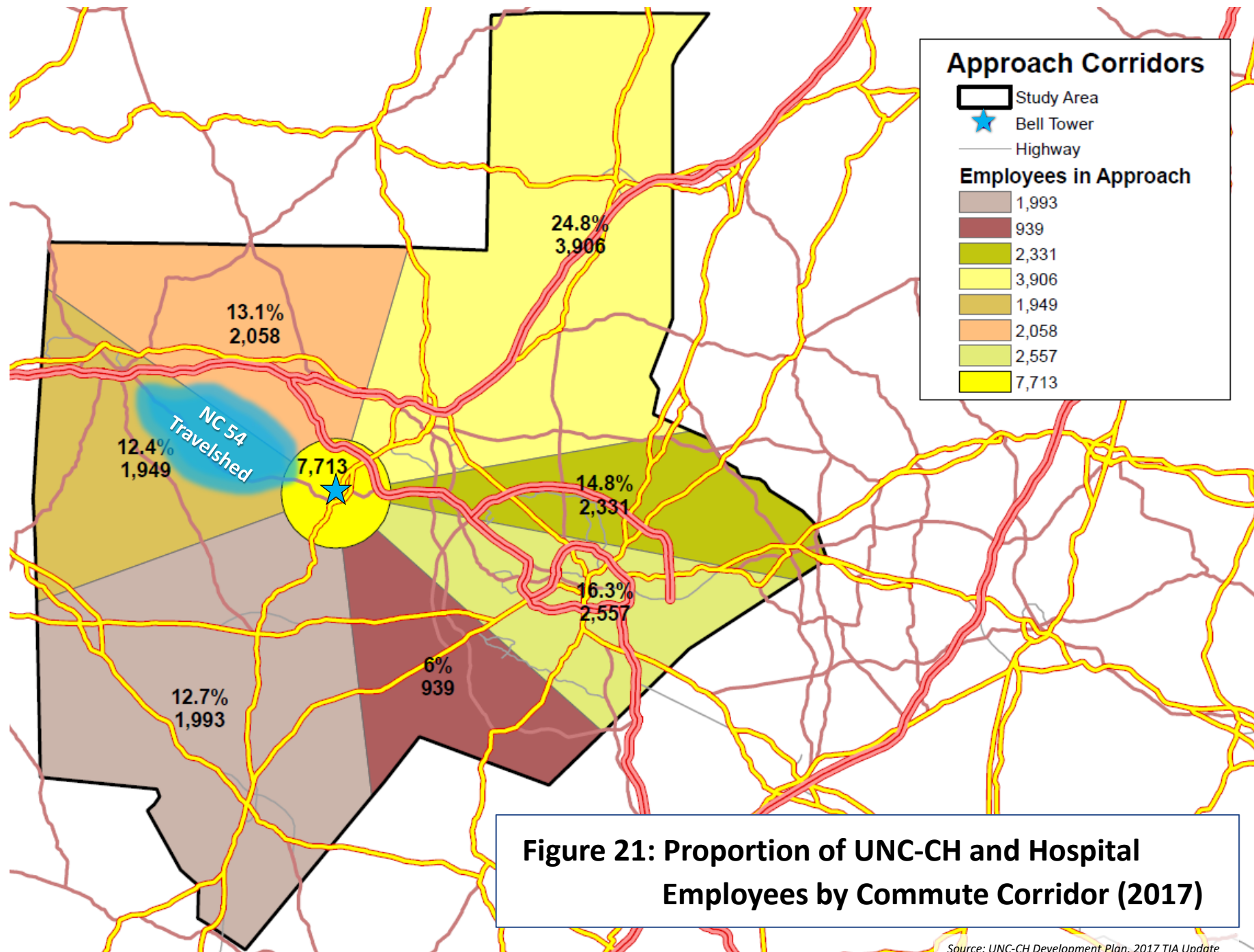
**Figure 19: Regional Distribution of UNC-CH and Hospital Employee Residences (2017)**



Source: UNC-CH Development Plan, 2017 TIA Update

**Figure 20: Study Area Distribution of UNC-CH and Hospital Employee Residences (2017)**





**Figure 21: Proportion of UNC-CH and Hospital Employees by Commute Corridor (2017)**