

Figure 3: Estimated NC 54 Travelshed for Trips to Burlington



Page 4 of 25

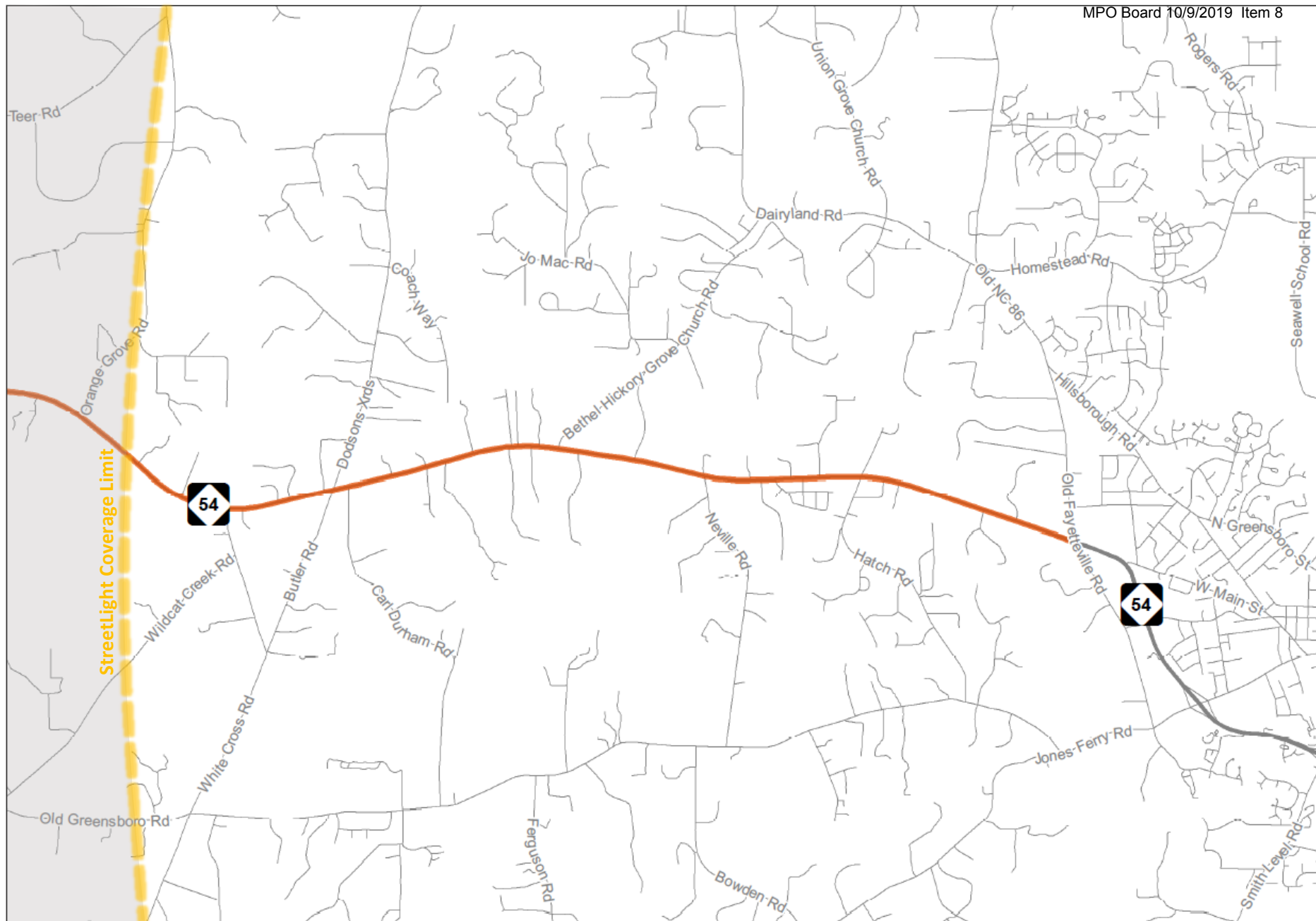


Figure 5: NC 54 Corridor Segment for StreetLight Origin-Destination Analysis

Daily Vehicle-Trip Distribution (StreetLight InSight Data)

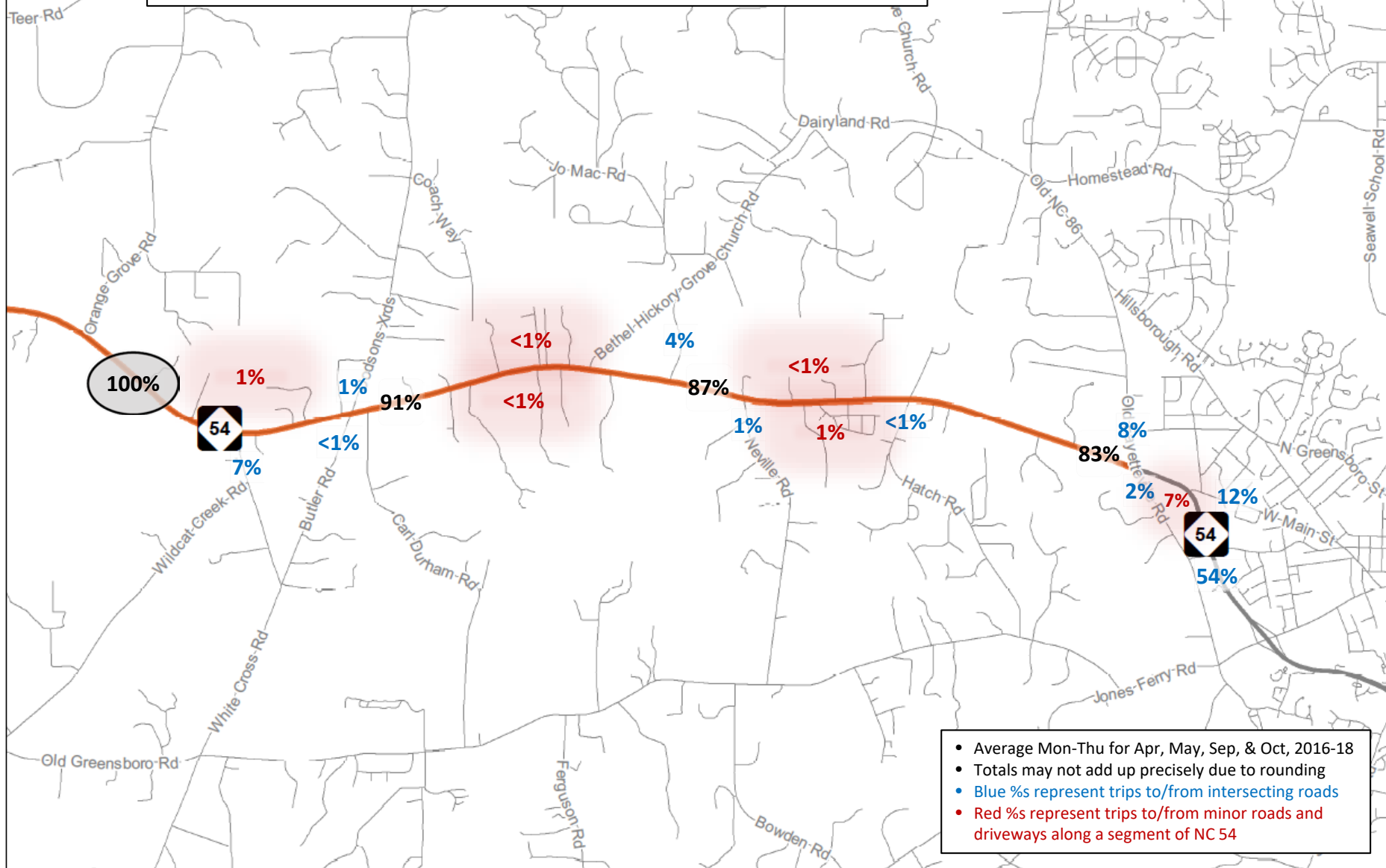


Figure 6: Origin-Destination Analysis – NC 54 East of Orange Grove Road

AM Peak Vehicle-Trip Distribution (StreetLight InSight Data)

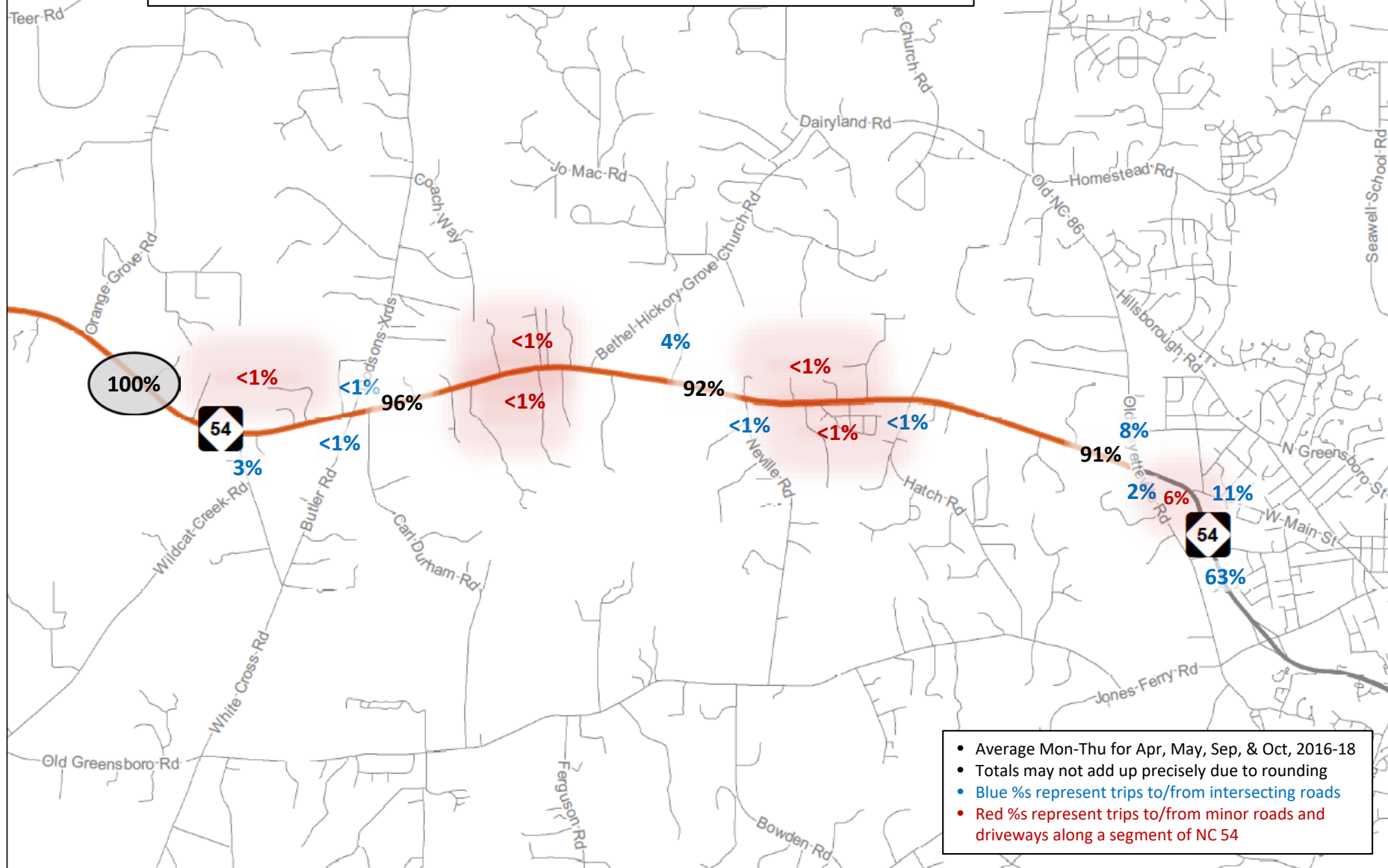


Figure 7: Origin-Destination Analysis – NC 54 East of Orange Grove Road

Daily Vehicle-Trip Distribution (StreetLight InSight Data)

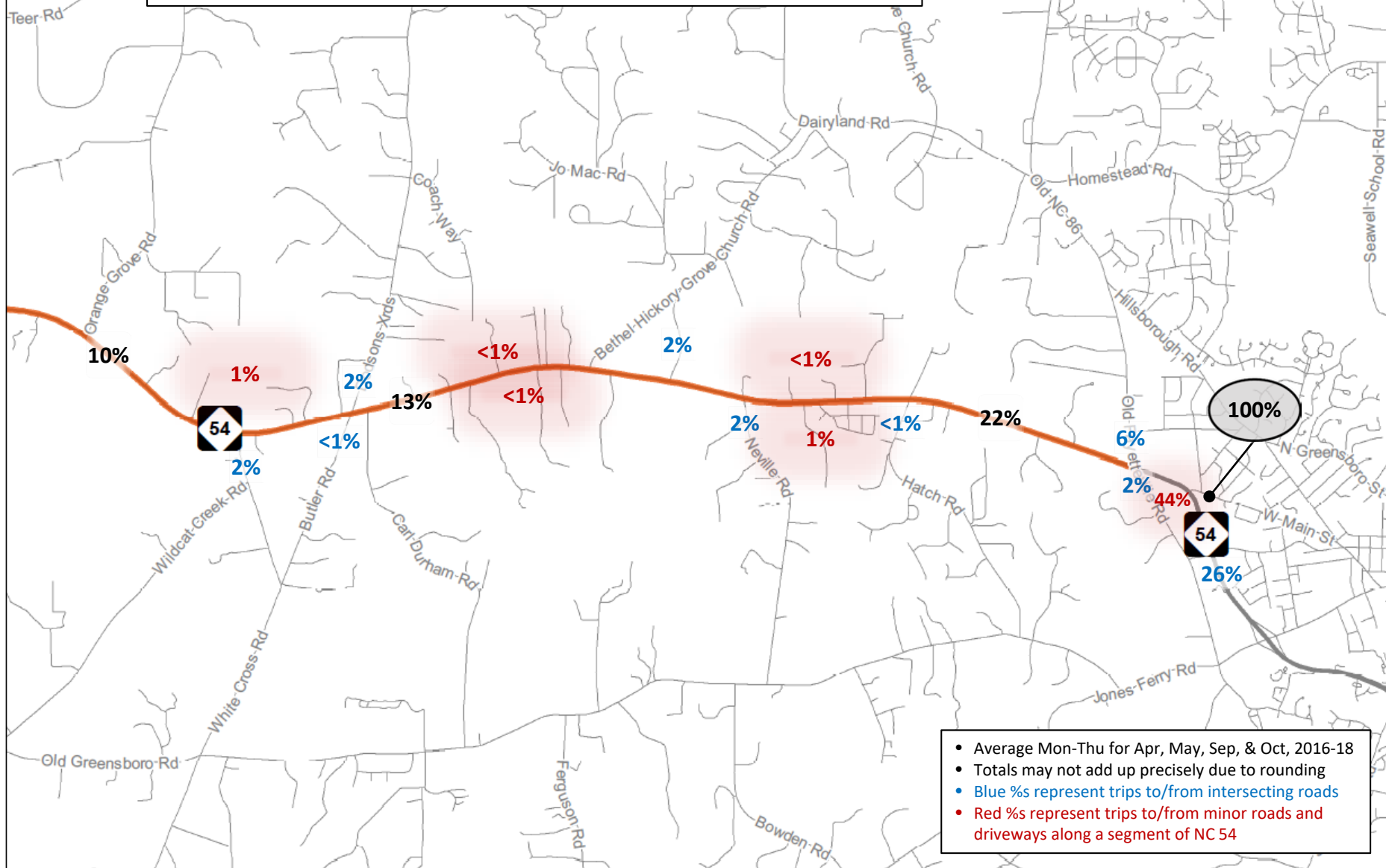


Figure 8: Origin-Destination Analysis – West Main St East of NC 54 Bypass

Daily Vehicle-Trip Distribution (StreetLight InSight Data)

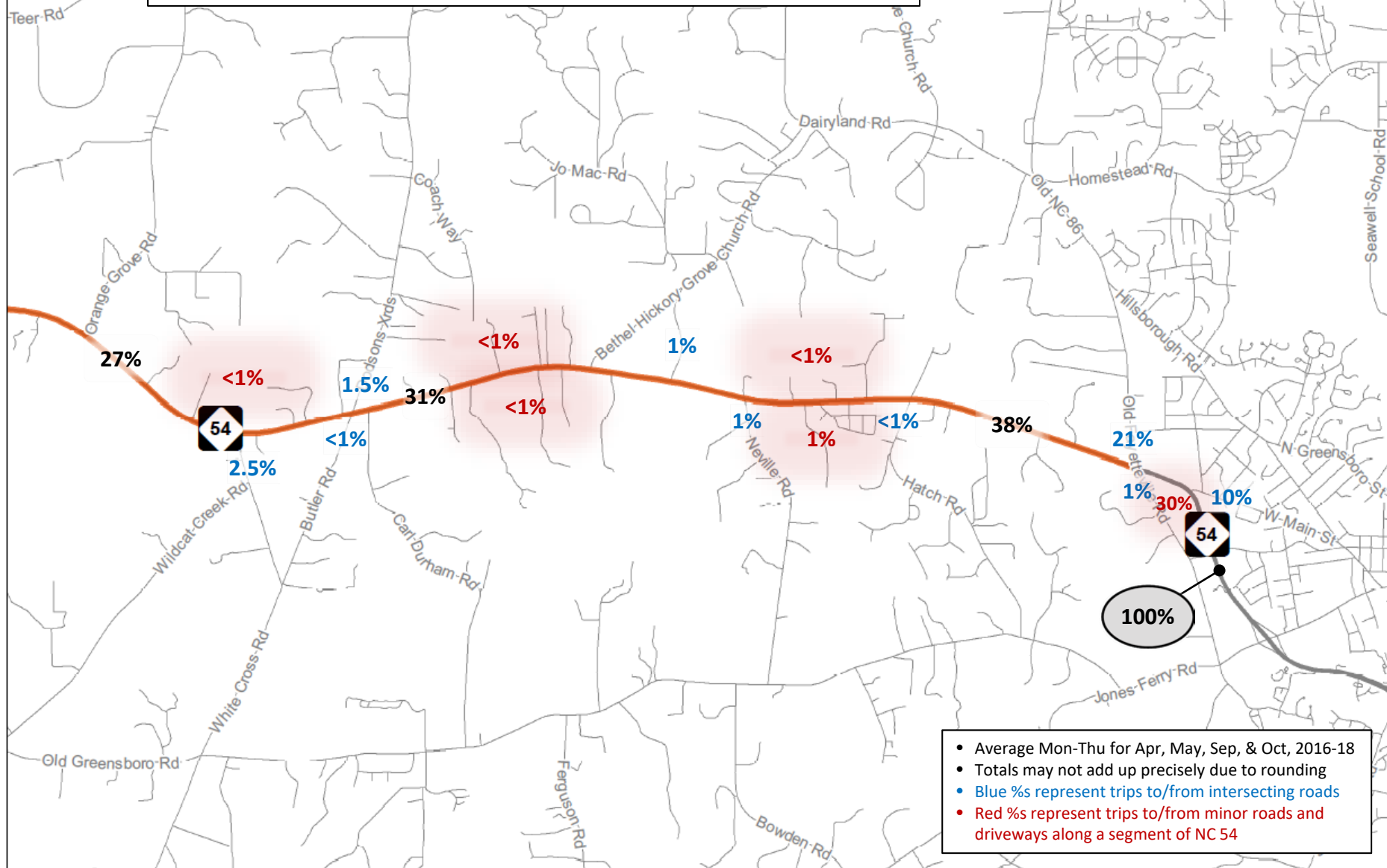


Figure 9: Origin-Destination Analysis –NC 54 Bypass South of West Main St

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

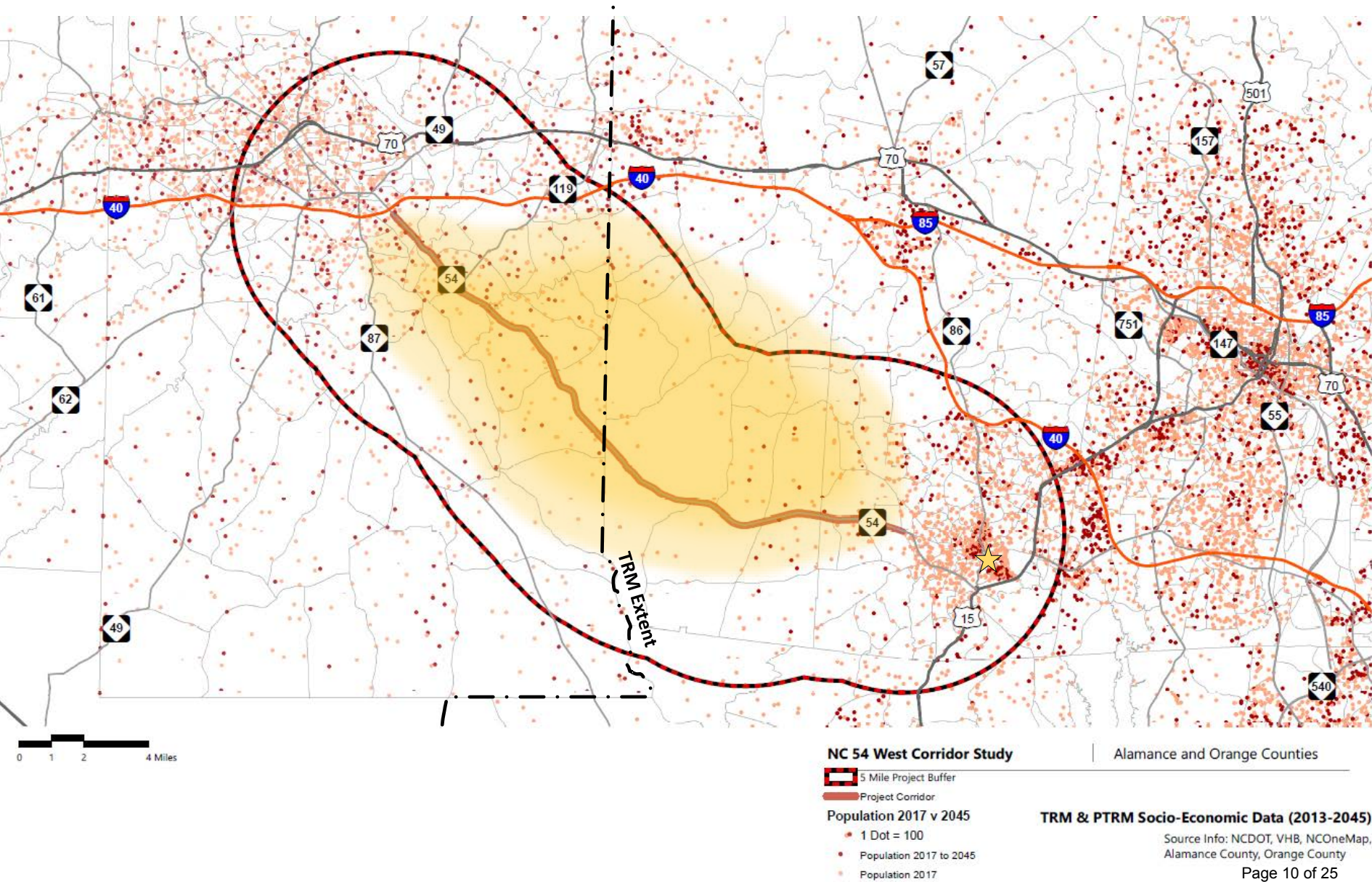


Figure 10b: TRM & PTRM Population Growth (2013 – 2045)

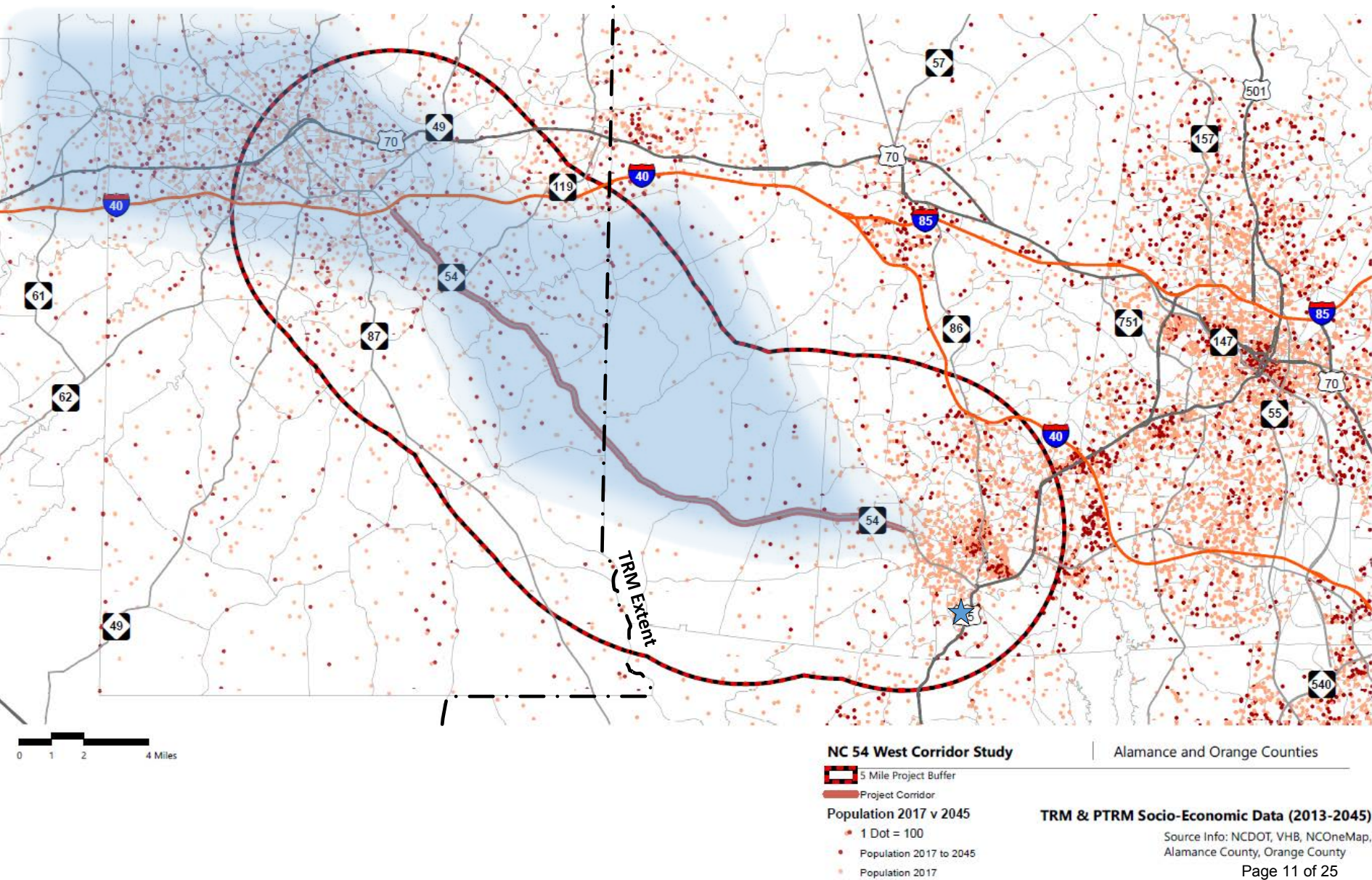


Figure 10c: TRM & PTRM Population Growth (2013 – 2045)

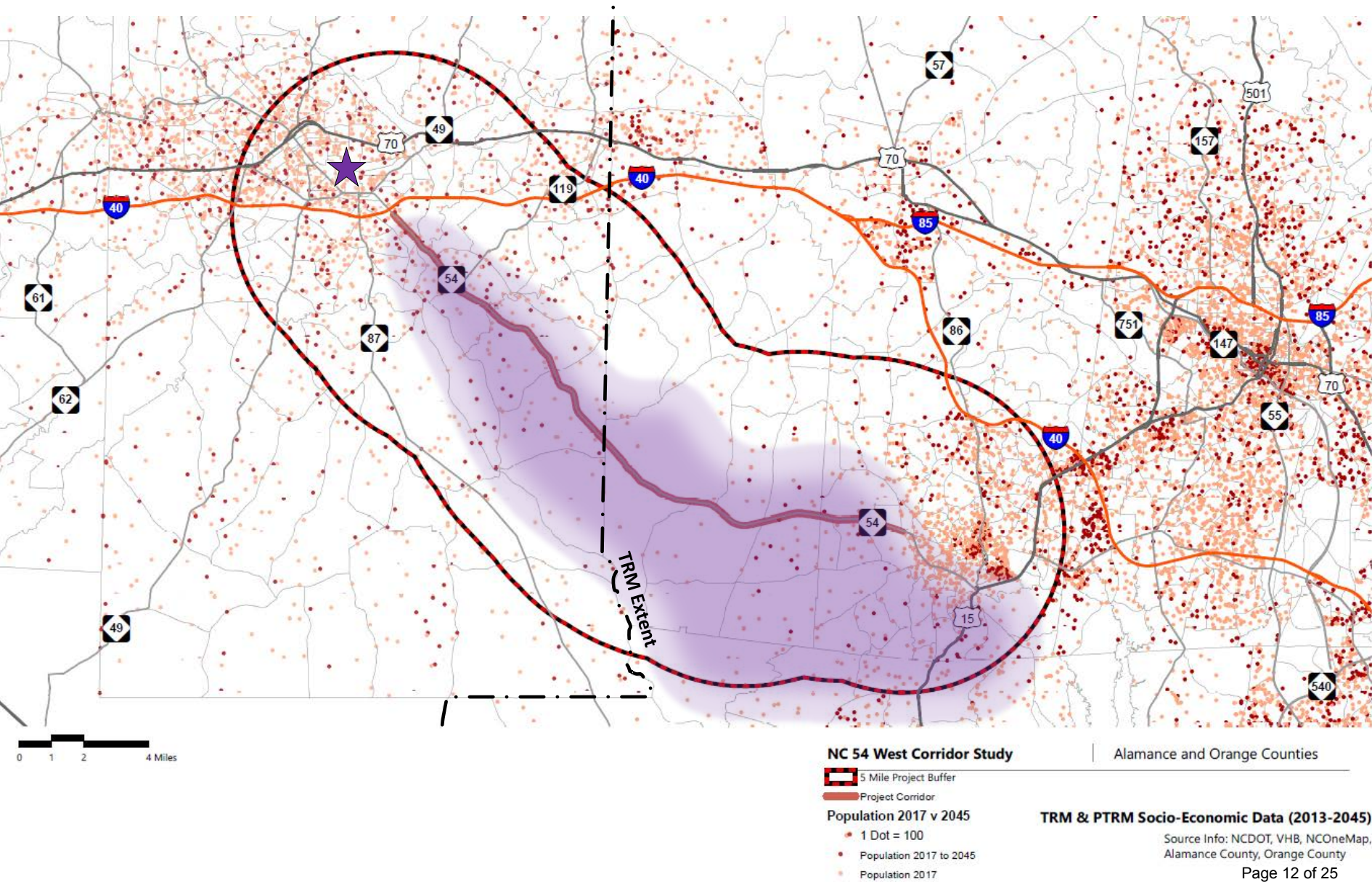


Figure 11a: TRM & PTRM Employment Growth (2013 – 2045)

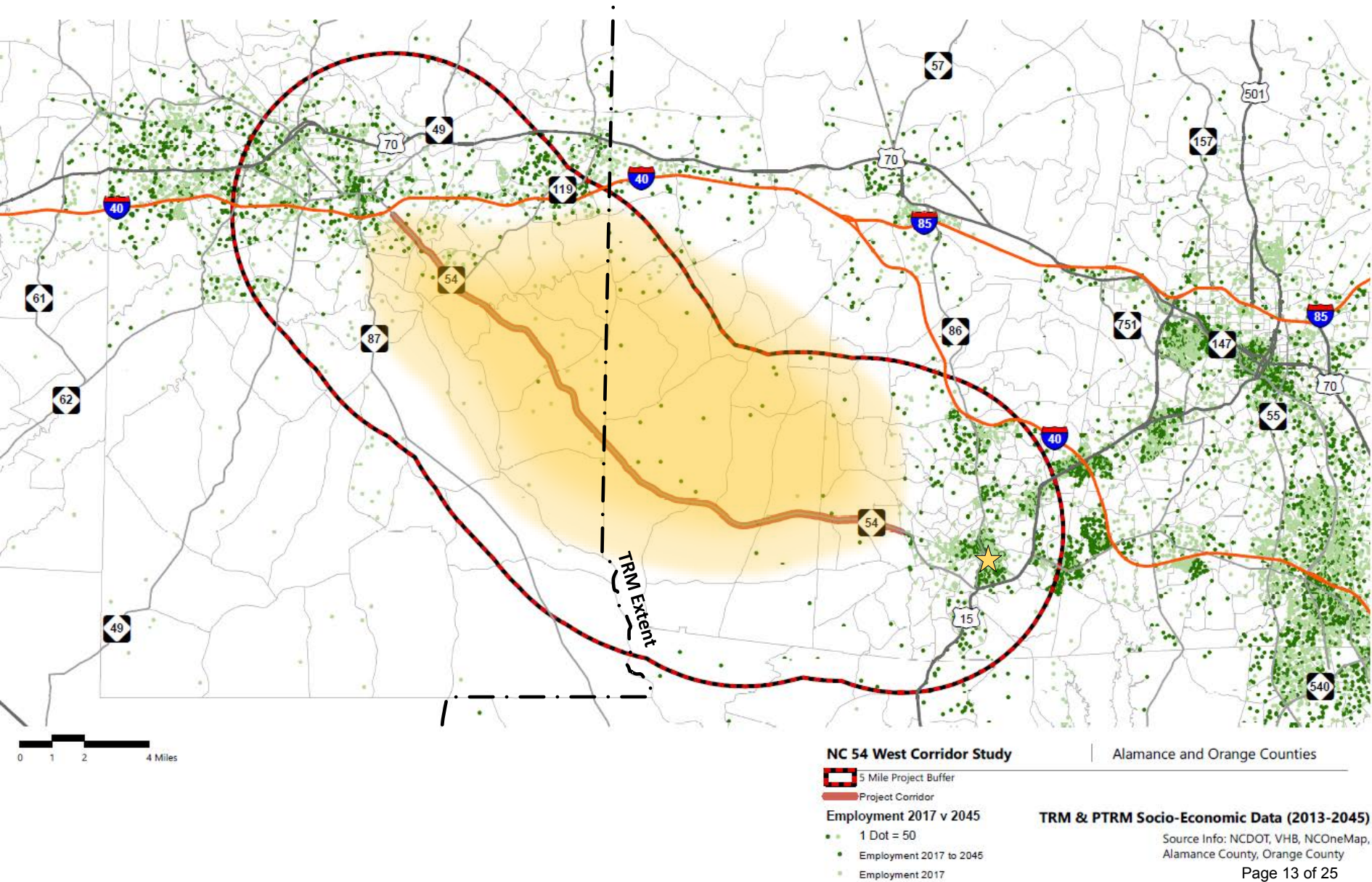


Figure 11b: TRM & PTRM Employment Growth (2013 – 2045)

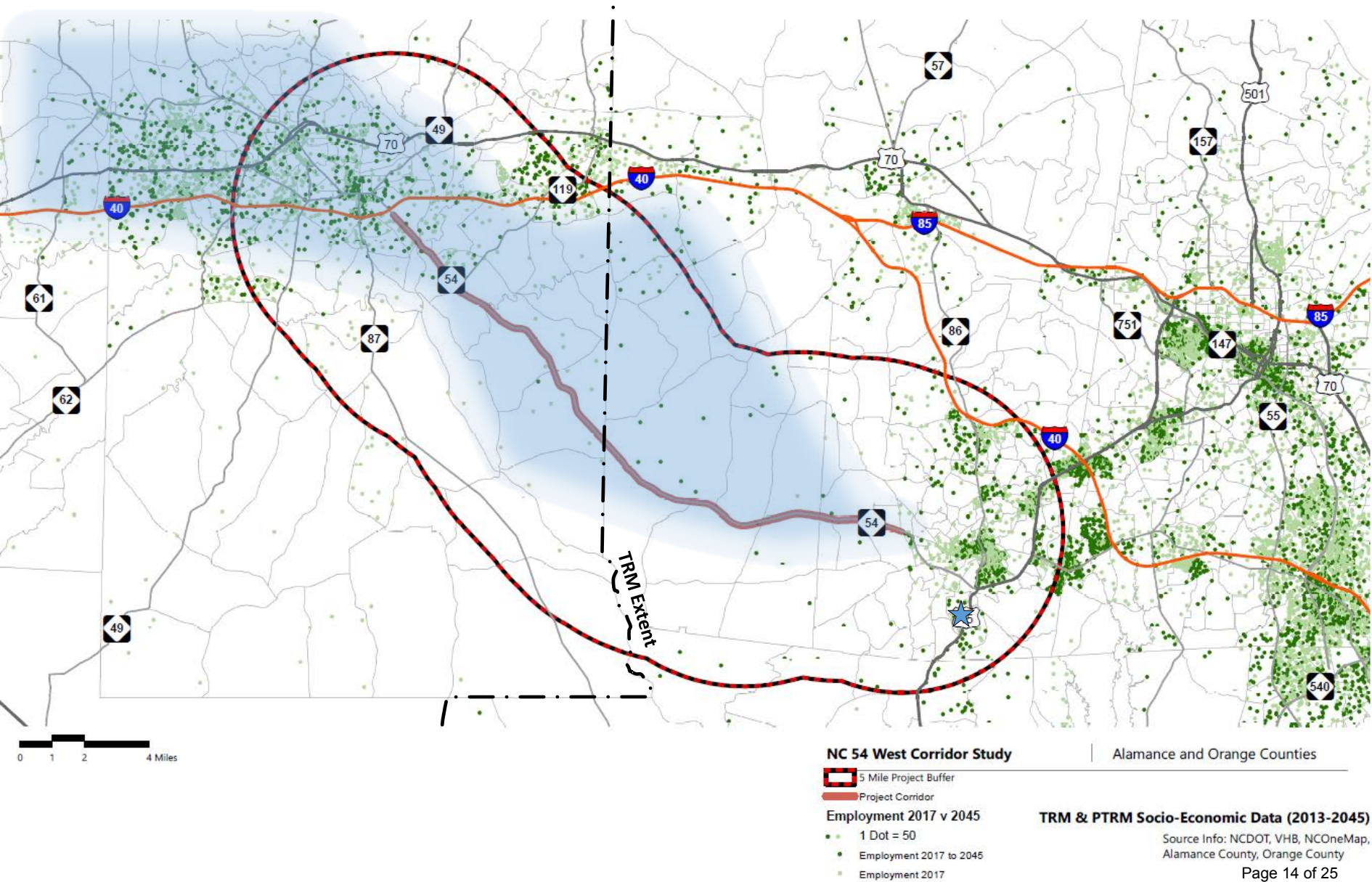
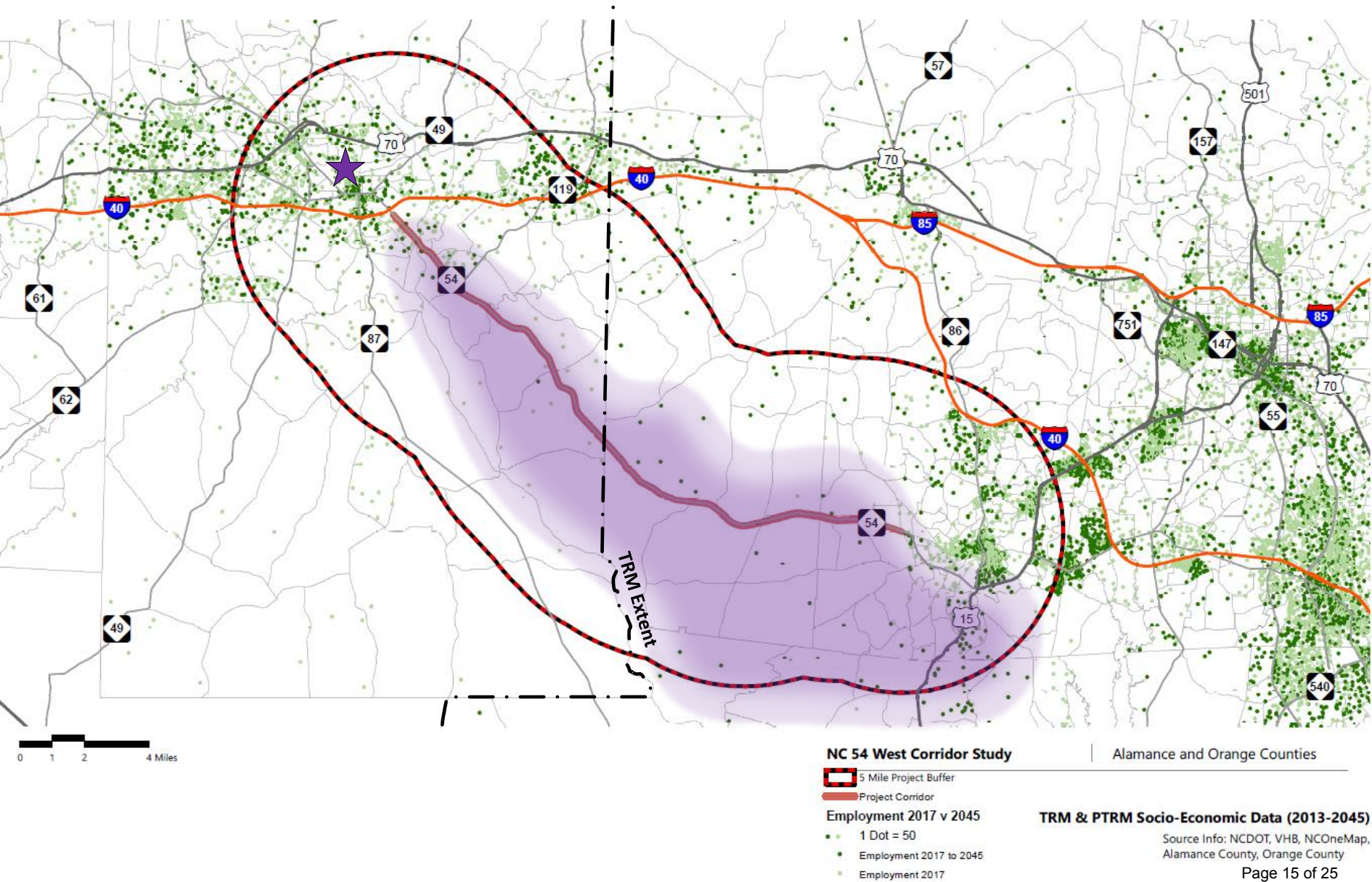


Figure 11c: TRM & PTRM Employment Growth (2013 – 2045)



Daily Vehicle-Trip Distribution (TRM)

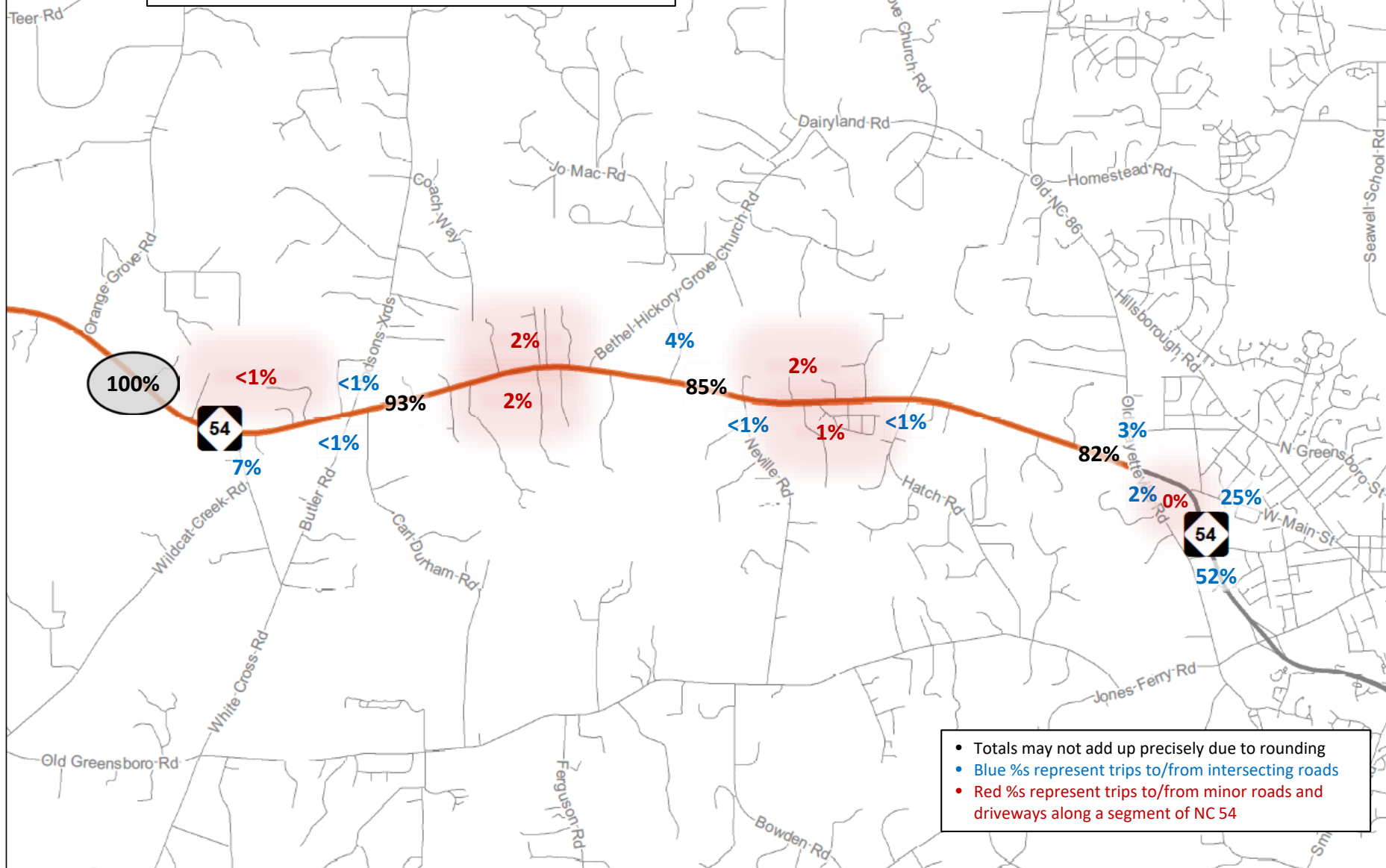


Figure 12: TRM Select Link Analysis – NC 54 East of Orange Grove Road

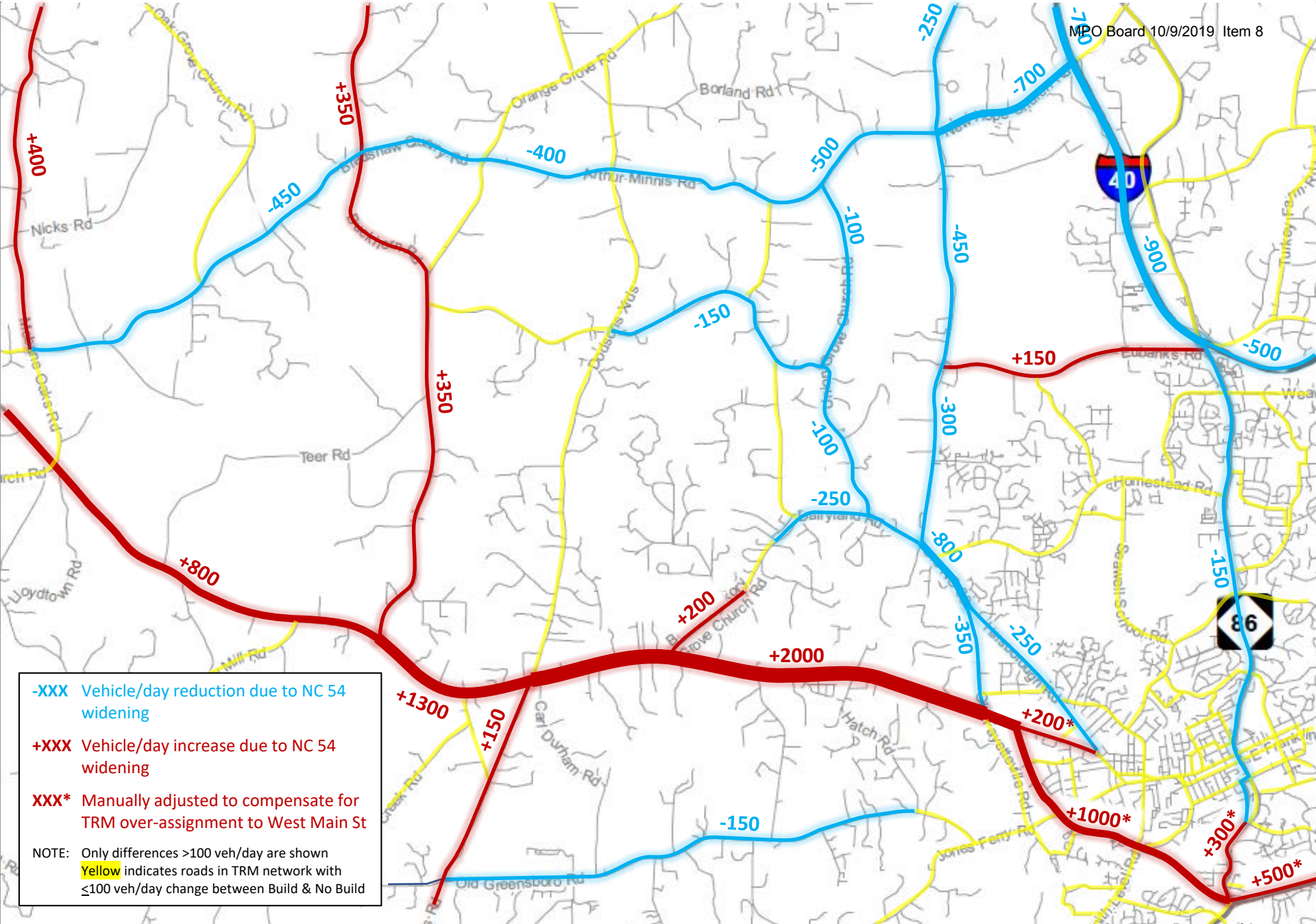


Figure 13: TRM – Daily Traffic Differences between 2045 NC 54 Widened and No-Build Scenarios

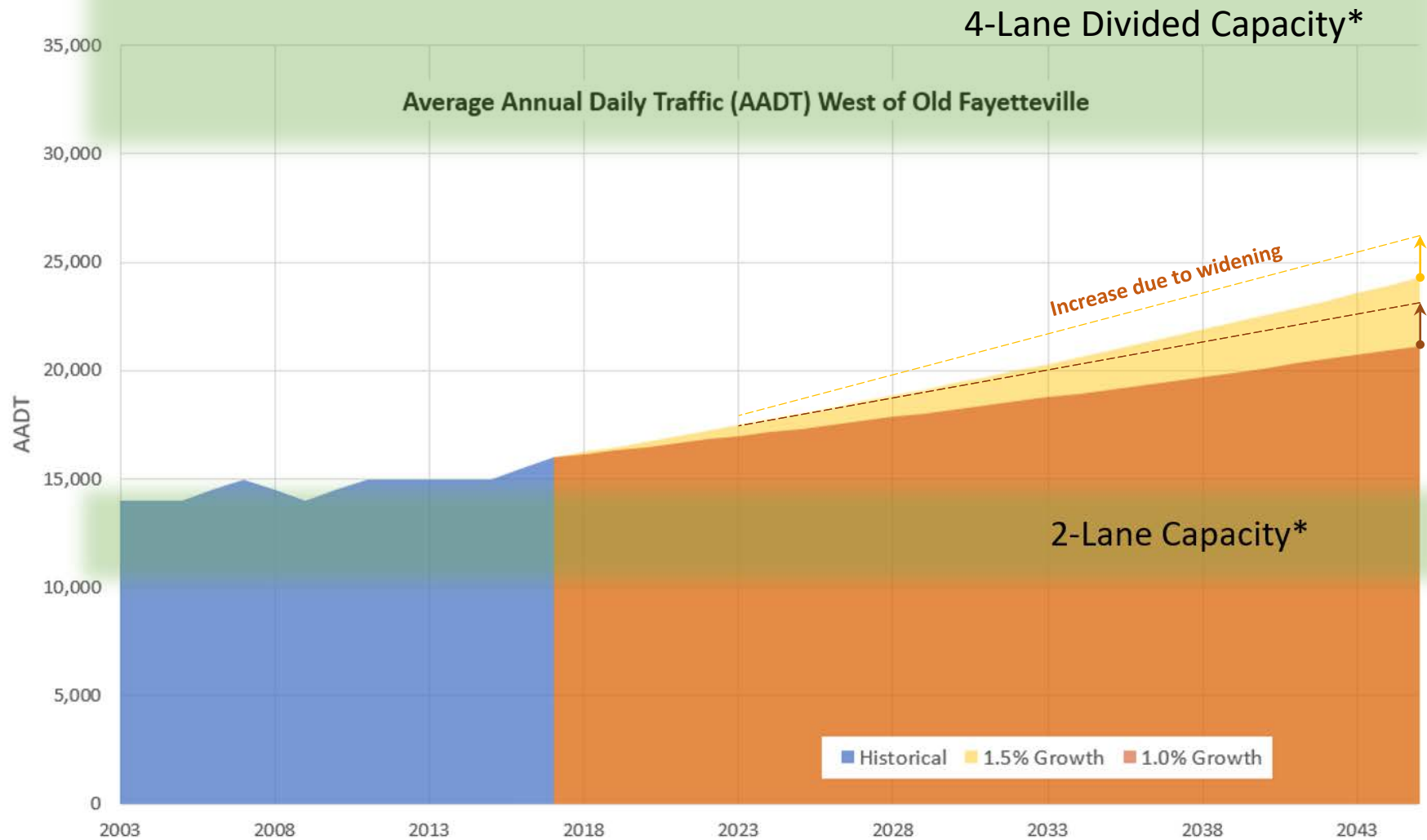
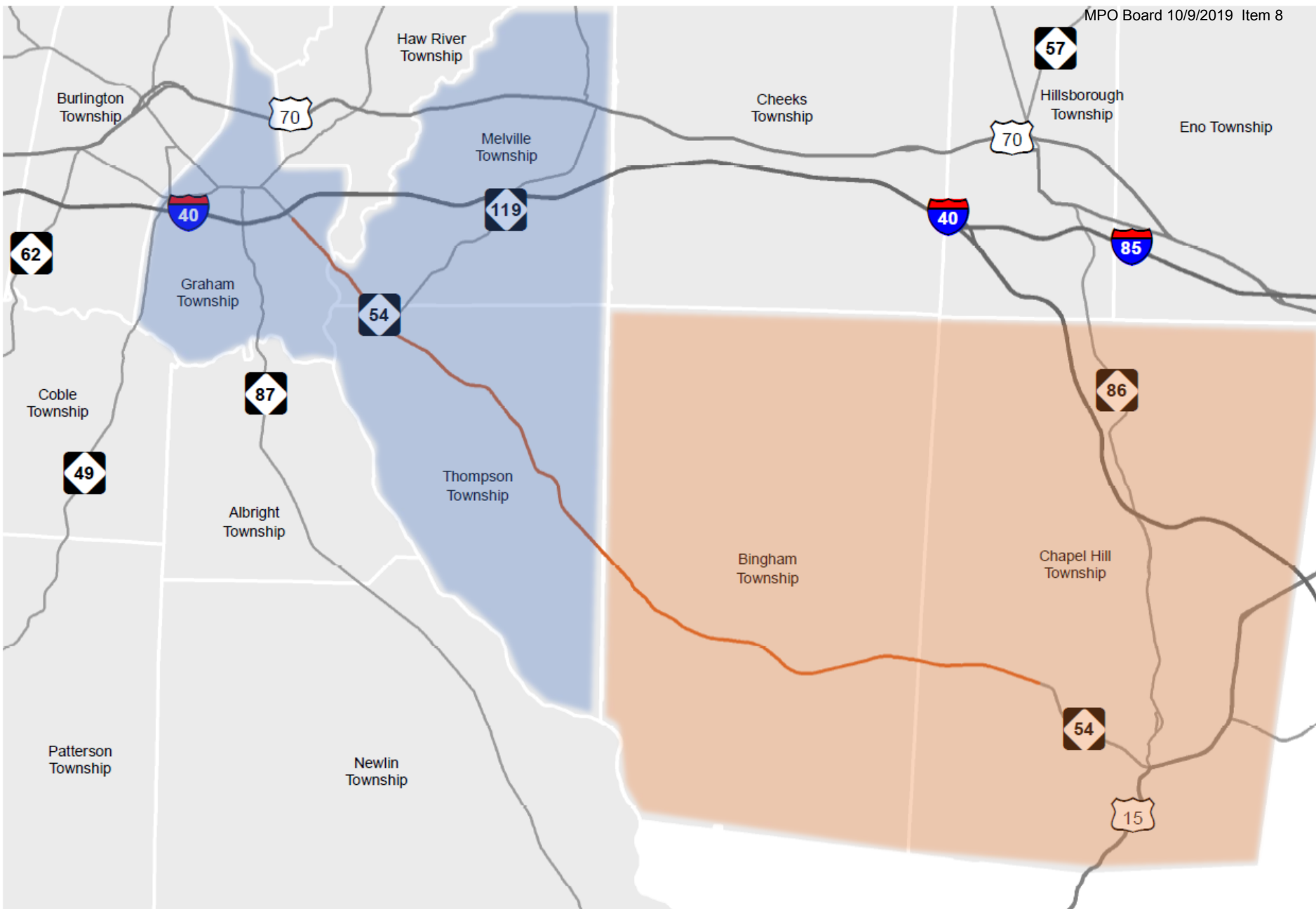


Figure 14: Relative Impacts of Traffic Shifts due to NC 54 Widening



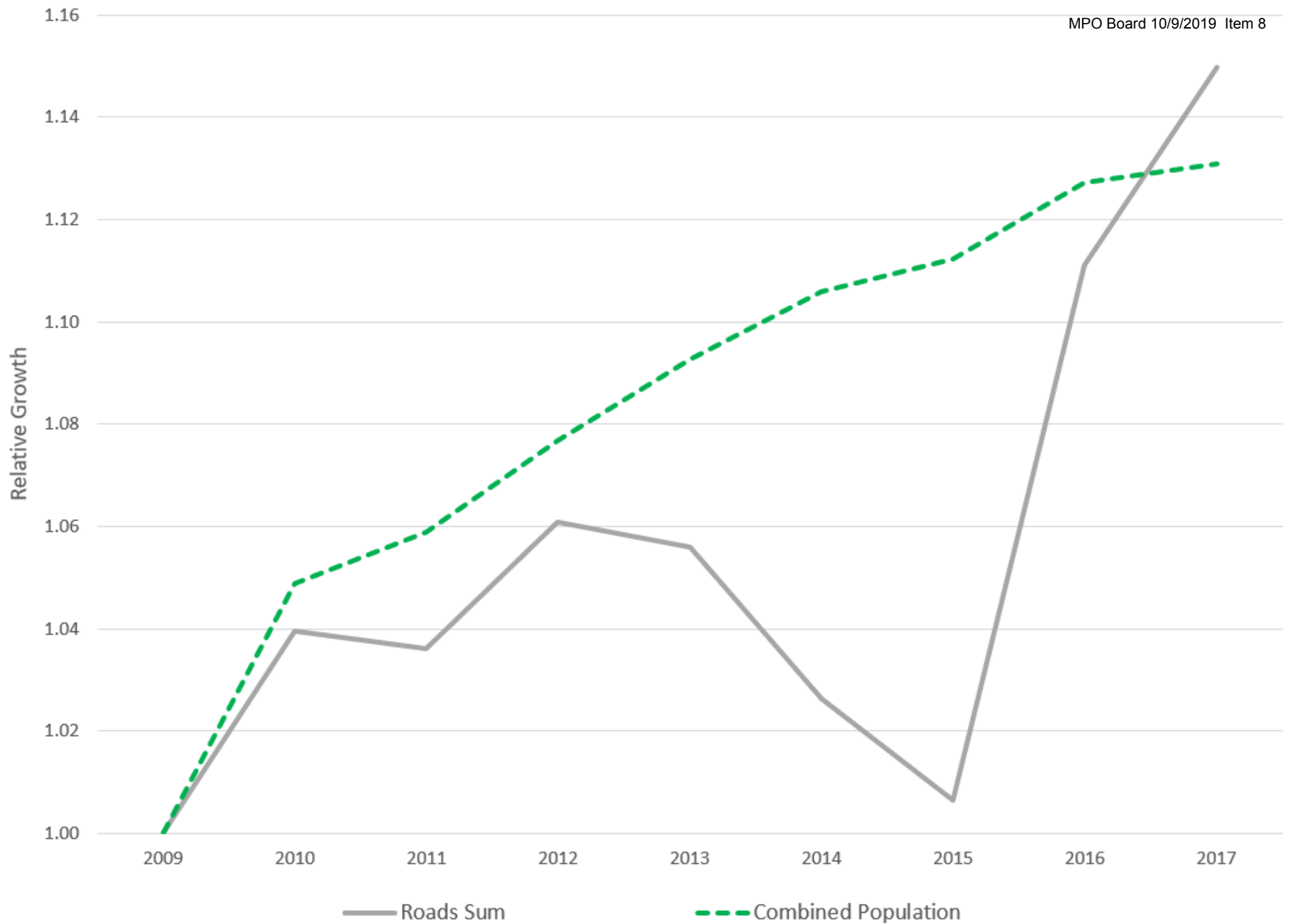


Figure 16: Comparison of Historical Population and AADT Aggregations

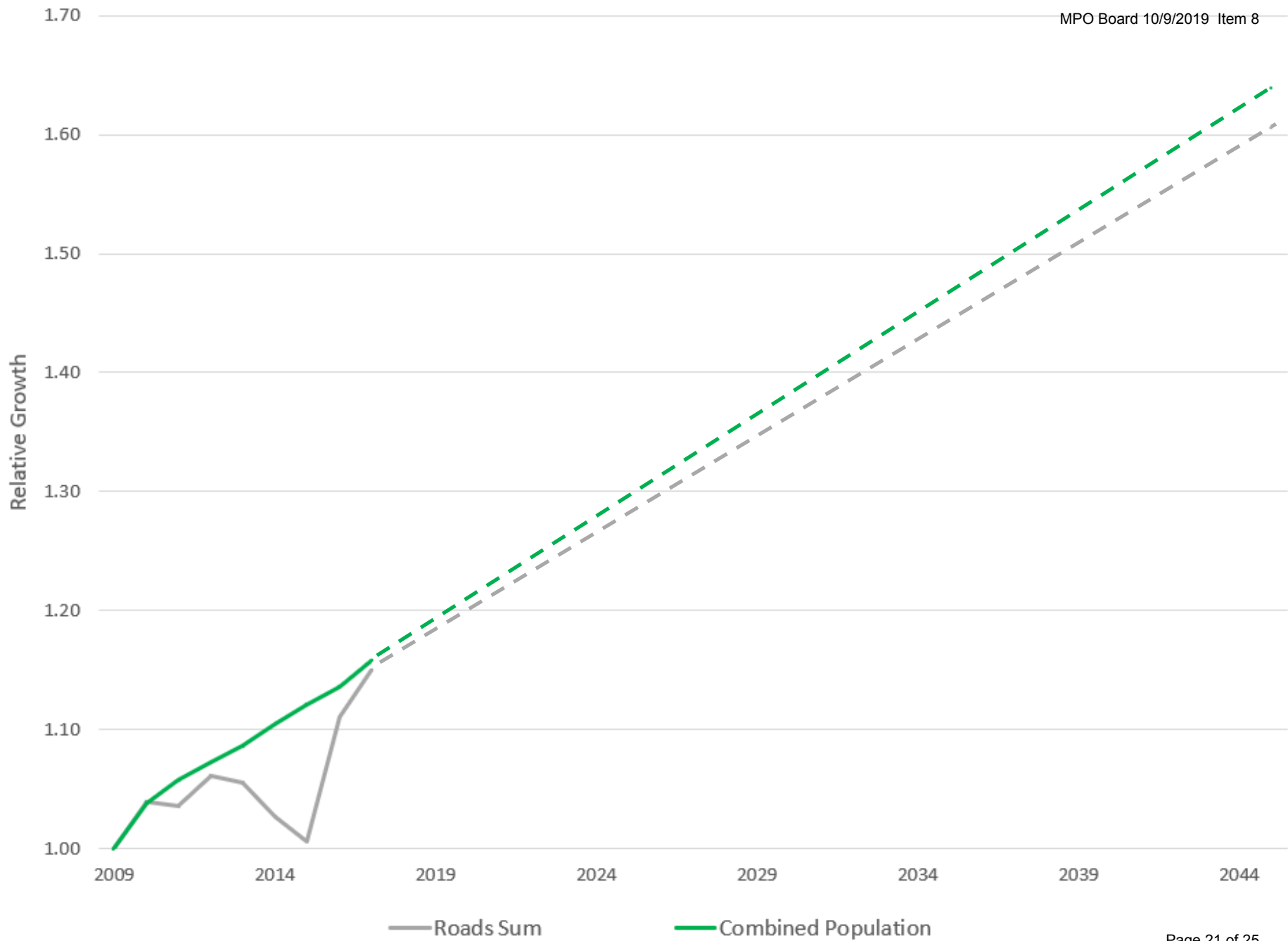


Figure 17: Comparison of Aggregated Population and AADT Forecasts

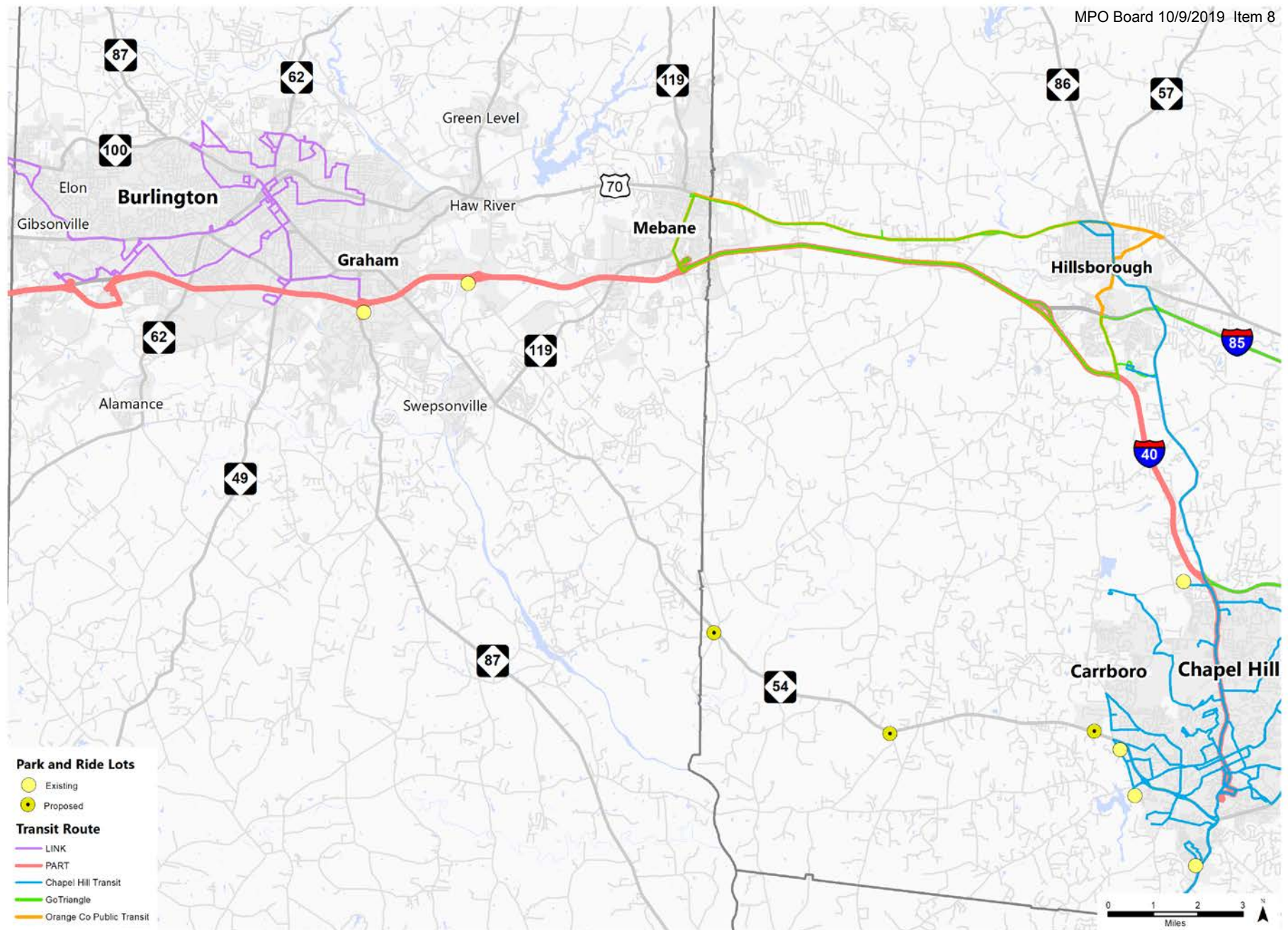
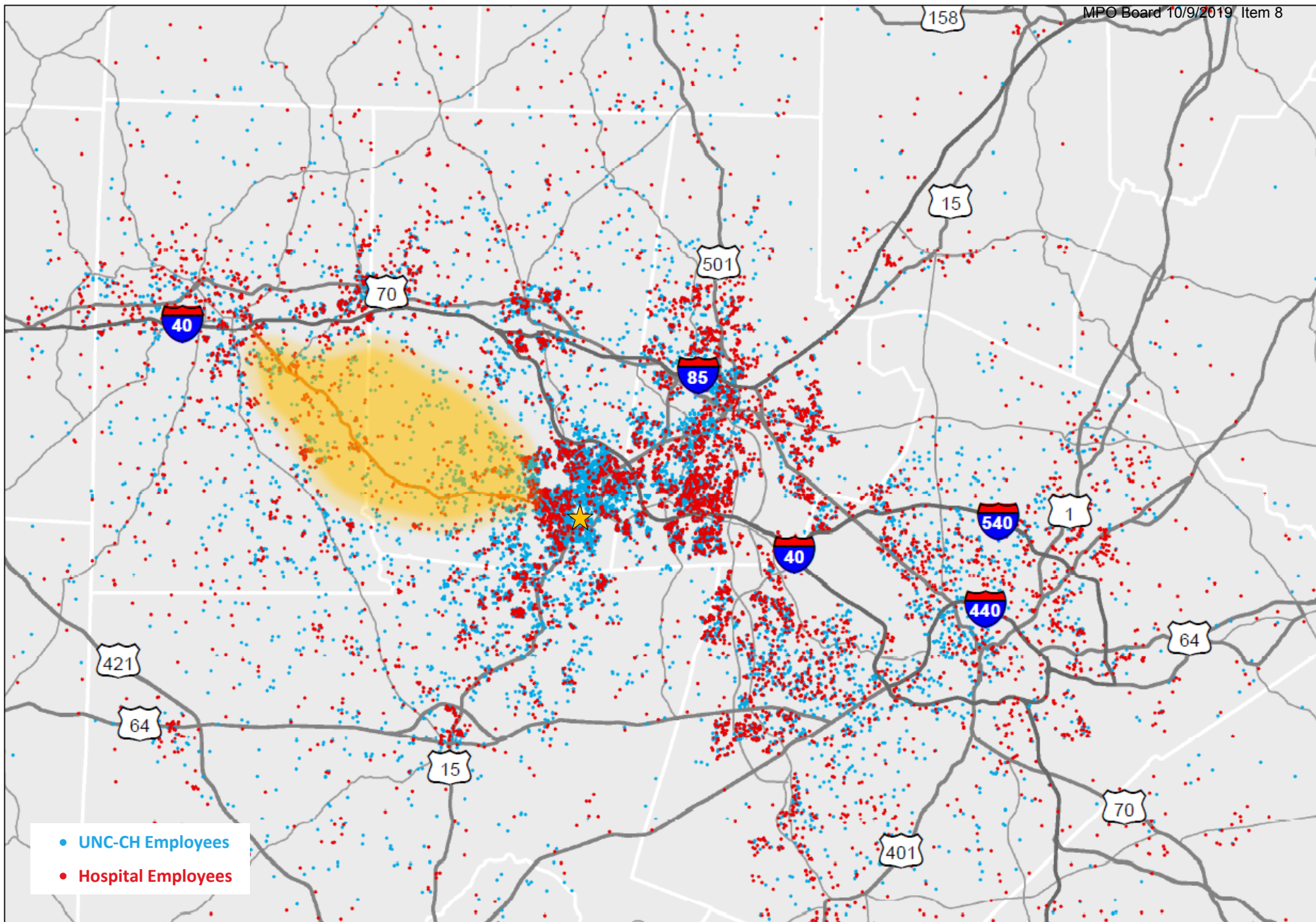
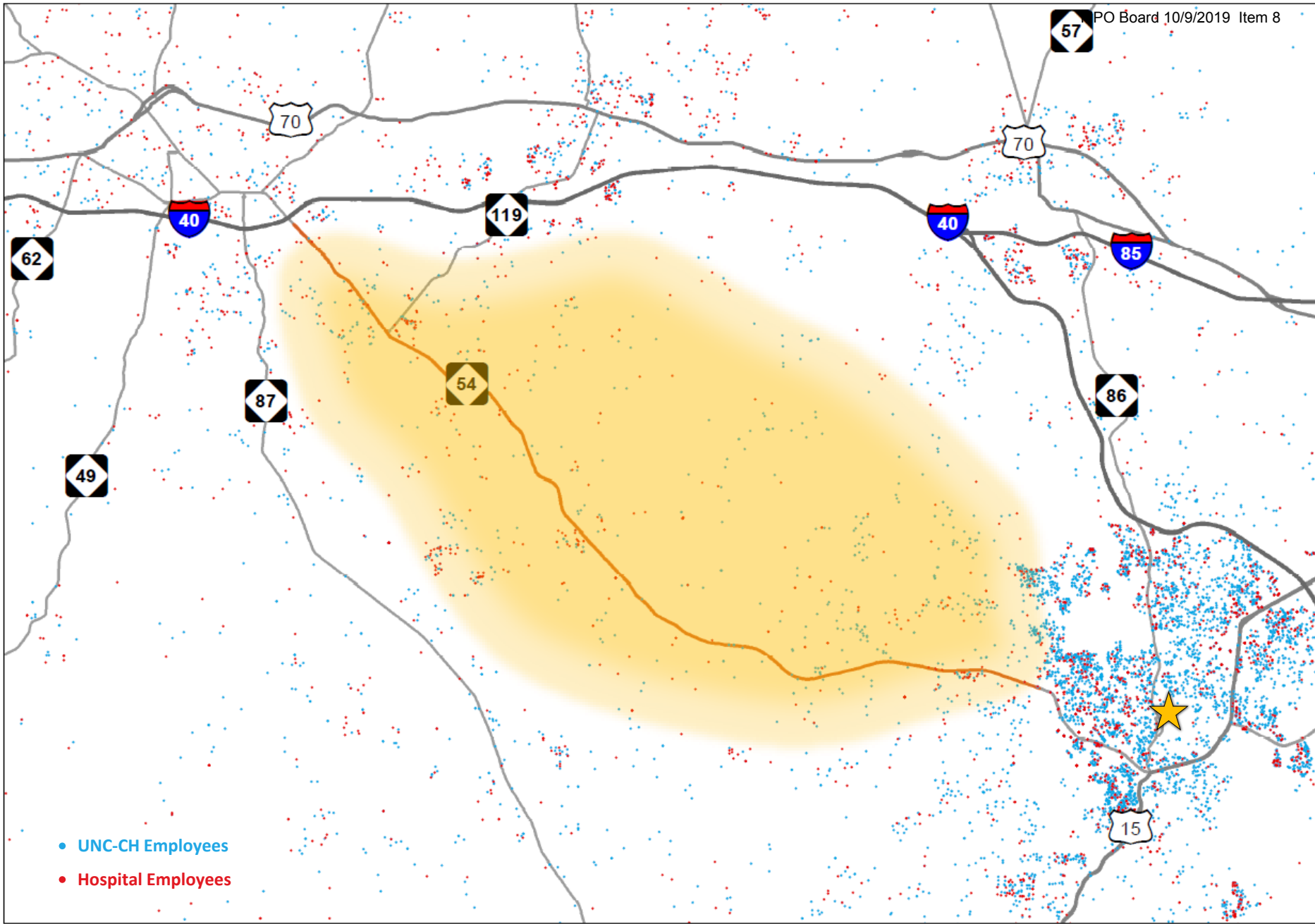


Figure 18: Transit Routes and Park-&-Ride Lots



Source: UNC-CH Development Plan 2017 Update
Page 23 of 25

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



Source: UNC-CH Development Plan 2017 Final Update
Page 24 of 25



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

