



Table 1: 2025 Transportation Plan Alternatives

1995 Base* 8,055,830 185,143 45.2 19.33 25,473 2025 Base 20,180,440 465,920 33.8 53.3 1.8 1.96 119,560 28,844 1,413 1. Base 18,666,503 434,871 33.9 49.8 3.28 2.59 120,530 28,844 1,747 Highway/Moderate Transit 18,069,279 422,100 33.9 44.4 1.78 1.96 120,311 27,414 2,623 Highway/Base Transit 16,133,858 371,608 34.4 41 2.14 2.59 124,055 28,900 2,623 Highway, Moderate Transit 15,592,821 365,951 36.2 29.1 2.12 2.59 125,845 29,051 3743 Moderate Transit 15,592,821 365,951 36.2 29.1 2.12 2.59 125,845 29,051 3743	Alternative	a. Vehicle Miles Traveled	b.Vehicle Hours Traveled	c.Ave Speed	d.Network Congestion %	e.Transit Mode Daily %	f.Transit Mode Peak %	g.Local Bus Riders	h.Rail Riders	i.Cost (Millions)
2025 Base 20,180,440 465,920 33.8 53.3 1.8 1.96 119,560 28,844 1,413 1.8	1995 Base*	8,055,830	185,143	45.2	19.33			25,473	•	
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Transit 3. Moderate Highway, Moderate Transit 4. Moderate Highway, Hoderate Transit 5. Moderate Highway, +1/ Moderate Transit 5. Moderate Transit 6. Moderate Highway, +1, +2/HOV/Moderate Transit 7. Moderate Highway, +1, +2/HOV/Moderate Transit 8. Moderate Highway, +1, +2/HOV/Moderate Transit 9. Moderate Highway, +1, +2/HOV/Moderate Transit 15,515,529 Highway, +1, +2/HOV/Moderate Transit 15,117,168 Highway, +1, +2/HOV/Moderate Transit 15,992,191 Highway/Intensive Transit 15,639,841 Highway/Intensive Transit 15,639,841 Highway/Intensive Transit/US 15501 Fixed Guideway with Airport Connection 10. Moderate Highway/Intensive Transit/VS 04 Fixed Guideway with Airport Connection 11. Moderate Highway/Intensive Transit/L9 Fixed Guideway with Airport Connection 11. Moderate Highway/Intensive Transit/L9 Fixed Guideway with Airport Connection 11. Moderate Highway/Intensive Transit/L9 Fixed Guideway with Airport Connection 11. Moderate Highway/Intensive Transit/L9 Fixed Guideway with Airport Connection 11. Moderate Highway/Intensive Transit/L9 Fixed Guideway with Airport Connection 11. Moderate Highway/Intensive Transit/L9 Fixed Guideway with Airport Connection 11. Moderate Highway/Intensive Transit/L9 Fixed Guideway with Airport Connection 15,651,142 Highway/Intensive Transit/L9 Fixed Guideway Highway/Intens	Highway/Base									
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5. Moderate Highway, +1, +2/Moderate Transit 15,515,529 356,876 39.6 17.9 2.12 2.59 126,165 29,089 3,864 +2/Moderate Transit 15,104,858 345,307 40.3 12.4 2.13 2.7 126,951 29,385 4,125 +2/HOV/Moderate Transit 15,117,168 348,937 39 15.5 2.11 2.43 126,546 29,173 4,155 Highway, +1, +2/HOY/Moderate Transit 15,992,191 357,007 35 33.1 4.35 5.38 130,335 29,884 2,828 Highway/Intensive Transit 15,639,841 347,329 35.7 28.3 5.55 7.82 137,973 38,793 3,237 Fixed Guideway with Airport Connection 15,603,113 347,916 35.7 29.2 6.41 8.44 138,831 38,700 3,253 Transit/IV-40 Fixed Guideway with Airport 15,651,142 349,137 35.2 31.7 4.86 7 132,977 36,286 3,249	Highway, +1/									
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Transit 7. Moderate Highway, +1, +2/HOT/Moderate Transit 8. Moderate Highway/Intensive Transit 9. Moderate Highway/Intensive TransitUS 15501 Fixed Guideway with Airport Connection 11. Moderate Highway/Intensive TransitNC 54 Fixed Guideway with Airport Connection 11. Moderate Highway/Intensive Transit/NC 54 Fixed Guideway with Airport Connection 11. Moderate Highway/Intensive Transit/NC 54 Fixed Guideway with Airport Connection 11. Moderate Highway/Intensive Transit/NC 54 Fixed Guideway with Airport Connection 11. Moderate Highway/Intensive Transit/NC 54 Fixed Guideway with Airport Connection 11. Moderate Highway/Intensive Transit/I-40 Fixed Guideway with Airport Guideway with Airport Connection	Highway, +1,									
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Transit	Highway, +1,									
8. Moderate Highway/Intensive Transit 15,992,191 357,007 35 33.1 4.35 5.38 130,335 29,884 2,828 9. Moderate Highway/Intensive Transit/US 15501 Fixed Guideway with Airport Connection 15,639,841 347,329 35.7 28.3 5.55 7.82 137,973 38,793 3,237 10. Moderate Highway/Intensive Transit/NC 54 Fixed Guideway with Airport Connection 15,603,113 347,916 35.7 29.2 6.41 8.44 138,831 38,700 3,253 11. Moderate Highway/Intensive Transit/I-40 Fixed Guideway with Airport 15,651,142 349,137 35.2 31.7 4.86 7 132,977 36,286 3,249	+2/HOT/Moderate	,								
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Transit	8. Moderate	15,992,191	357,007	35	33.1	4.35	5.38	130,335	29,884	2,828
9. Moderate Highway/Intensive Transit/US 15501 Fixed Guideway with Airport Connection 10. Moderate Highway/Intensive Transit/NC 54 Fixed Guideway with Airport Connection 11. Moderate Highway/Intensive Transit/I-40 Fixed Guideway with Airport Condeway with Airport Connection 15,639,841 347,329 35.7 28.3 5.55 7.82 137,973 38,793 3,237 4.84 138,831 38,700 3,253 4.86 7 132,977 36,286 3,249						·				
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Transit/US 15501 Fixed Guideway with Airport Connection 10. Moderate Highway/Intensive Transit/NC 54 Fixed Guideway with Airport Connection 11. Moderate Highway/Intensive Transit/I-40 Fixed Guideway with Airport Transit/I-40 Fixed Guideway with Airport		15,639,841	347,329	35.7	28.3	5.55	7.82	137,973	38,793	3,237
Fixed Guideway with Airport Connection 10. Moderate				1						
with Airport Connection 35.7 29.2 6.41 8.44 138,831 38,700 3,253 Highway/Intensive Transit/NC 54 Fixed Guideway with Airport Connection 11. Moderate 15,651,142 349,137 35.2 31.7 4.86 7 132,977 36,286 3,249 Highway/Intensive Transit/I-40 Fixed Guideway with Airport Guideway with Airport Airport <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>*</td> <td></td>									*	
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Transit/NC 54 Fixed Guideway with Airport Connection 11. Moderate Highway/Intensive Transit/I-40 Fixed Guideway with Airport Transit/I-40 Fixed Highway Intensity Highway In		15,603,113	347,916	35.7	29.2	6.41	8.44	138,831	38,700	3,253
Fixed Guideway with Airport Connection 11. Moderate Highway/Intensive Transit/I-40 Fixed Guideway with Airport Fixed Guideway 15,651,142 349,137 35.2 31.7 4.86 7 132,977 36,286 3,249										
with Airport Connection 4.86 7 132,977 36,286 3,249 11. Moderate Highway/Intensive Transit/I-40 Fixed Guideway with Airport A										
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11. Moderate Highway/Intensive Transit/I-40 Fixed Guideway with Airport 15,651,142 349,137 35.2 31.7 4.86 7 132,977 36,286 3,249										
Highway/Intensive Transit/I-40 Fixed Guideway with Airport		15 651 142	240 127	25.2	21.7	106	7	122.077	26 206	2 240
Transit/I-40 Fixed Guideway with Airport		15,051,142	349,137	33.2	31./	4.50	,	132,977	30,280	3,249
Guideway with Airport										
Airport										
Connection										
	Connection			 						
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Alternative	Vehicle Miles Traveled	Vehicle Hours Traveled	Ave Speed	Network Congestion %	Transit Mode Daily %	Transit Mode Peak %	Local Bus Riders	Rail Riders	Cost (Millions)
12. Moderate Highway/Intensive Transit/US 15-501 and NC54 Fixed Guideway	15,550,442	332,522	35.7	22.9	7.74	10.26	143,005	51,035	3,662
13. Moderate Highway/Moderate Transit/US 15-501 and NC54 Fixed Guideway	16,014,995	367,084	34.6	34.5	3.09	3.35	128,564	29,957	3,484
14. Intensive Highway with HOV/Intensive Transit and Intensive Fixed Guideway	12,039,045	257,458	44.4	8.9	10.2	18.8	162,995	39,518	7,017

^{*} Not all data are available for the 1995 network

- a. Vehicle Miles Traveled: the sum of daily vehicle miles on the roadway network.
- b. Vehicle Hours Traveled: the sum of daily hours of travel on the roadway network
- c. Average Speed: The average daily operating speed on the roadway network.
- d. Network Congestion: the percentage of the roadway network experiencing traffic volumes.
- e. Transit Mode Daily %: The percentage of all daily trips in the region taken on public transit.
- f. Transit Mode Peak %: The percentage of all peak hour trips in the region taken on public transit.
- g. Local bus riders: Daily ridership on Chapel Hill Transit, Durham Area Transit and Triangle Transit Authority local transit routes.
- h. Rail Riders: Daily boardings on fixed guideway transit, including Phase I rail in Wake County.
- i. Cost (millions): The estimated cost of implementing all transportation improvements in each alternative. This includes capital, operating and maintenance costs.