

2045 MTP

Alternatives Analysis – Travel Choice Neighborhoods (TCN)

Travel Choice Neighborhoods

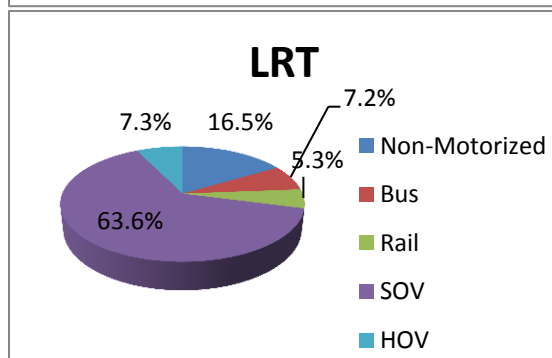
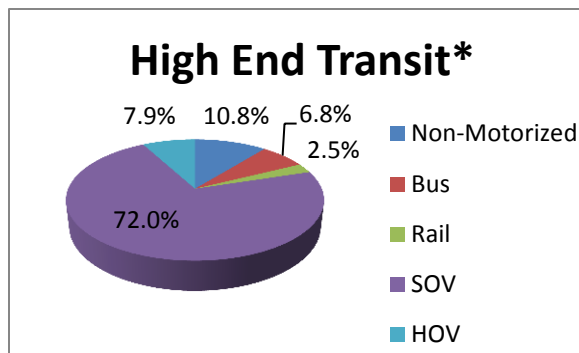
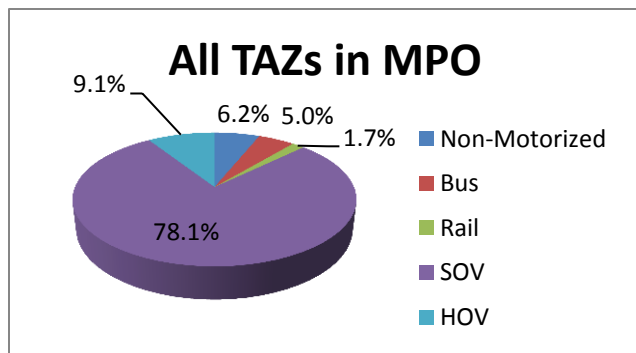
Travel Choice Neighborhoods (TCN) are areas that are expected to have a variety of travel modes from which to choose in the future. In many Alternatives Analysis methods, it is difficult to see a mode shift in the TCNs because the analysis encompasses the entire region and much of the region does not have a high degree of mode choice. For example, it is difficult to see the impact of light rail transit on the central areas of Durham and Chapel Hill by using the regional Performance Measures. The mode share values change little because the majority of development will be in medium to low density suburban and rural areas.

The TCN measure selects data from the areas (called Transportation Analysis Zones, or TAZs) that are impacted by transit investments and compares them with the overall region. This method helps measure the mode share change based on transit investment. The following pages compare two TCN measures, High End Transit and Light Rail Transit (LRT), for each of the four Alternatives. The High End Transit includes TAZs affected by light rail transit, commuter rail and high end bus services (15-minute headways or better). The LRT includes those TAZs affected by light rail transit.

The Travel Choice Neighborhoods (TCN) section of the 2045 MTP Alternatives Analysis Web page has a document that provides detailed information on the TCN concept and method.

Travel Choice Neighborhoods (TCN) – Moderate -- MTP

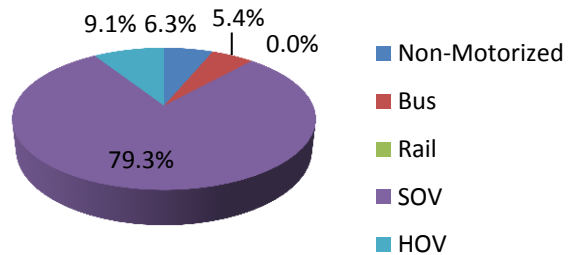
Mod-MTP	DCHC MPO -- Total Work Trips						#TAZs	TAZ Pop	TAZ Emp
	NonMotorized	Bus	Rail	SOV	HOV	All			
All TAZs in MPO	24,368	19,595	6,679	309,003	36,198	395,843	849	672,377	449,898
High End Transit	17,901	11,299	4,189	119,427	13,118	165,934	446	300,136	355,106
LRT	6,056	2,646	1,953	23,322	2,671	36,648	132	86,552	169,964



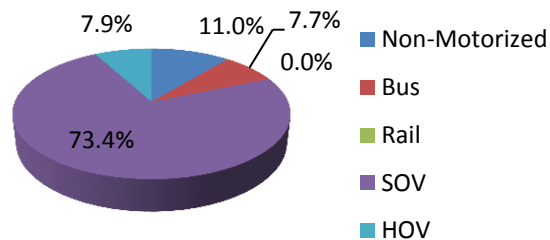
Travel Choice Neighborhoods (TCN) – Moderate -- Highway

Mod-Hwy	DCHC MPO -- Total Work Trips						#TAZs	TAZ Pop	TAZ Emp
	NonMotorized	Bus	Rail	SOV	HOV	All			
All TAZs in MPO	24,782	21,426	-	313,843	35,832	395,883	849	672,377	449,898
High End Transit	18,252	12,753	-	121,763	13,185	165,953	446	300,136	355,106
LRT	6,236	3,379	-	24,286	2,781	36,682	132	86,552	169,964

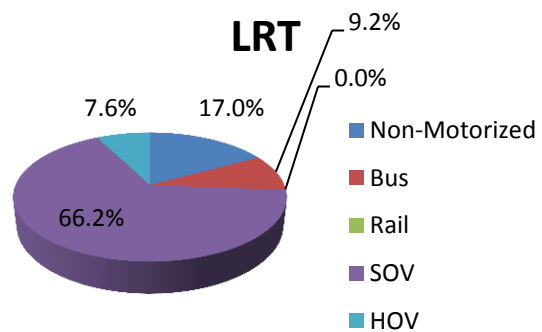
All TAZs in MPO



High End Transit



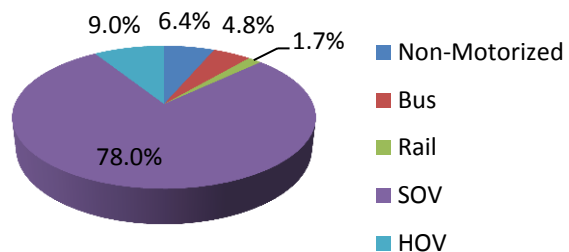
LRT



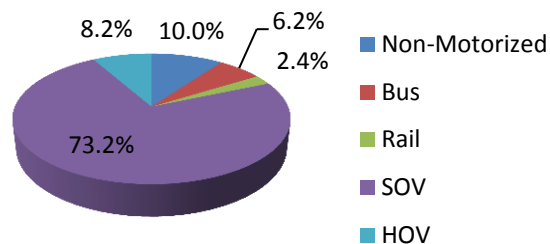
Travel Choice Neighborhoods (TCN) – Aspirational -- MTP

Asp-MTP	DCHC MPO -- Total Work Trips						#TAZs	TAZ Pop	TAZ Emp
	NonMotorized	Bus	Rail	SOV	HOV	All			
All TAZs in MPO	24,834	18,678	6,672	300,655	34,675	385,514	849	669,866	448,731
High End Transit	20,388	12,582	4,871	149,542	16,786	204,169	522	376,938	390,498
LRT	7,182	2,892	2,411	28,748	3,301	44,534	135	92,493	163,713

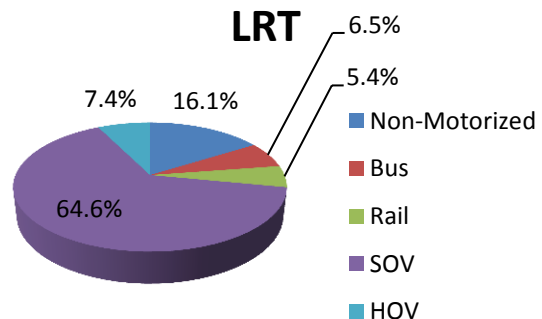
All TAZs in MPO



High End Transit



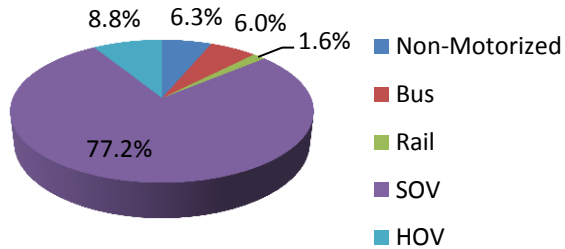
LRT



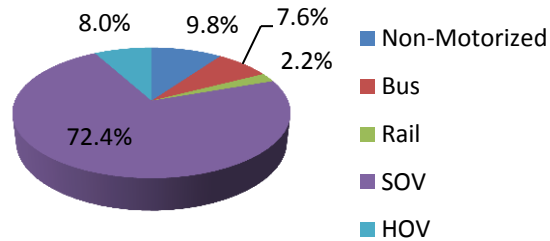
Travel Choice Neighborhoods (TCN) – Aspirational -- Transit

Asp-Transit	DCHC MPO -- Total Work Trips						#TAZs	TAZ Pop	TAZ Emp
	NonMotorized	Bus	Rail	SOV	HOV	All			
All TAZs in MPO	24,456	23,063	6,285	297,653	34,039	385,496	849	669,866	448,731
High End Transit	20,111	15,435	4,545	147,736	16,349	204,176	522	376,938	390,498
LRT	7,082	3,607	2,191	28,429	3,234	44,543	135	92,493	163,713
Dtown Dur & Duke	4,239	1,741	566	13,015	1,370	20,931	89	37,379	88,303

All TAZs in MPO



High End Transit



LRT

