

DCHC MPO -- Transportation Performance Measures

		2010	2040	2040	2010 to 2040 E+C	2040 E+C to 2035
SE Data		2010	2040	2040	2010 to 2040 E+C	2040 E+C to 2035
Transportation Network		2010	E+C	2035	Change	Change
1	Performance Measures					
1.1.1	Total Vehicle Miles Traveled (VMT-daily)	13,217,550	20,368,697	20,581,822	54%	1%
1.1.1a	Total Vehicle Miles Traveled (VMT-per capita)	33	32	33	-2%	1%
1.2.1	Total Vehicle Hours Traveled (VHT-daily)	312,669	581,776	536,746	86%	-8%
1.2.1a	Total Vehicle Hours Traveled (VHT-per capita)	0.77	0.92	0.85	19%	-8%
1.3	Average Speed by Facility (miles/hour)				-10%	8%
1.3.1	- Freeway	63	57	61		
1.3.2	- Arterial	42	38	39	-10%	3%
1.3.3	- All Facility	51	47	50	-8%	8%
1.4	Peak Average Speed by Facility (miles/hour)				-13%	10%
1.4.1	- Freeway	62	54	59		
1.4.2	- Arterial	41	35	37	-13%	5%
1.4.3	- All Facility	49	44	48	-11%	10%
1.5	Daily Average Travel Length - All Person Trips				9%	-4%
1.5.1	- Travel Time (minutes)	14.0	15.3	14.6		
1.5.2	- Travel Distance (miles)	6.3	6.0	6.1	-5%	2%
1.6	Daily Average Travel Length - Work Trips					
1.6.1	- Travel Time	17.7	19.2	18.1	9%	-6%
1.6.2	- Travel Distance - Work Trips	9.1	8.1	8.4	-11%	4%
1.7	Peak Average Travel Length - All Person Trips				12%	-6%
1.7.1	- Peak Travel Time	14.8	16.6	15.6		
1.7.2	- Peak Travel Distance	6.7	6.2	6.4	-8%	4%
1.8	Daily Average Travel Length - All CV Trips					
1.8.1	- Travel Time	15.0	17.0	15.9	13%	-6%
1.8.2	- Travel Distance	8.3	8.6	8.5	3%	-1%
1.9	Daily Average Travel Length - Truck Trips				13%	-6%
1.9.1	- Travel Time	15.3	17.3	16.2		
1.9.2	- Travel Distance	8.5	8.8	8.7	3%	-1%
1.10	Hours of Delay (daily)	27,629	123,948	77,916	349%	-37%
1.10.1	Truck Hours of Delay (daily)	1,097	4,306	2,712	293%	-37%
1.11	Percent of Congested VMT (volume > capacity) - All Day					
1.11.1	- Freeway	2%	14%	5%	718%	-68%
1.11.2	- Arterial	3%	14%	9%	318%	-36%
1.11.3	- All Facility	2%	12%	5%	561%	-55%
1.12	Percent of Congested VMT (volume > capacity) - Peak					
1.12.1	- Freeway	3%	25%	8%	727%	-69%
1.12.2	- Arterial	5%	22%	14%	332%	-34%
1.12.3	- All Facility	3%	20%	9%	576%	-55%
1.12.4	- Designated truck routes	5%	16%	9%	226%	-48%
1.12.5	- Facilities w/bus routes	4%	19%	6%	403%	-68%
2	Mode Share Measures					
2.1	All Trips - Daily					
2.1.1	- Drive alone (single occupant vehicle -SOV)	864,965	1,536,817	1,529,779	78%	0%
2.1.2	- Carpool (Share ride)	683,083	1,186,219	1,189,785	74%	0%
2.1.3	- Bus	50,579	71,752	88,056	42%	23%

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				2010 to	2040 E+C
SE Data				2040 E+C	to 2035
Transportation Network				2010	2040 E+C
				2040	2035
				Change	Change
2.1.4	- Rail	-	-	15,340	N/A
2.1.5	- Non-Motorized (Bike and Walk)	176,554	280,395	278,360	59%
2.2	Work Trips - Daily				
2.2.1	- Drive alone (single occupant vehicle -SOV)	270,716	474,139	469,622	75%
2.2.2	- Carpool (Share ride)	35,360	61,574	60,692	74%
2.2.3	- Bus	12,852	19,167	25,136	49%
2.2.4	- Rail	-	-	5,190	N/A
2.2.5	- Non-Motorized (Bike and Walk)	16,343	24,928	24,399	53%
2.2a	Work Trips - Mode Share				
2.2.1a	- Drive alone (single occupant vehicle -SOV)	81%	82%	80%	1%
2.2.2a	- Carpool (Share ride)	11%	11%	10%	1%
2.2.3a	- Bus	4%	3%	4%	-14%
2.2.4a	- Rail	-	-	1.00	N/A
2.2.5a	- Non-Motorized (Bike and Walk)	5%	4%	4%	-12%
2.3	All Trips - Peak Hours (per day)				
2.3.1	- Drive alone (single occupant vehicle -SOV)	483,159	847,246	849,522	75%
2.3.2	- Carpool (Share ride)	411,958	706,253	715,014	71%
2.3.3	- Bus	25,416	34,895	42,893	37%
2.3.4	- Rail	-	-	8,686	N/A
2.3.5	- Non-Motorized (Bike and Walk)	101,821	164,441	160,870	62%
3	Transit Measures				
3.1	Transit System Ridership (regionwide)			Total	
3.1.1	- TTA (rail not included in 2010 and E+C)	5,362	8,571	52,702	60%
3.1.2	- CAT	16,639	23,080	40,227	39%
3.1.3	- CHT	26,788	38,258	46,756	43%
3.1.4	- DATA	17,637	25,977	57,749	47%
3.1.5	- NCSU	12,147	21,366	14,885	76%
3.1.6	- DUKE	14,007	17,381	14,108	24%
3.1.7	- OPT	N/A	N/A	N/A	
3.1.8	- CARY	1,412	2,139	9,491	51%
3.1.9	Total	93,988	136,768	235,915	46%
3.2	Ridership by Area				
3.2.1	Daily in DCHC MPO (counted from residential side)	61,446	86,353	135,220	41%
3.2	Rail Ridership in Region (DCHC MPO, CAMPO)			37,628	N/A
4	Demographics Measures				
4.1	Population	403,494	632,102	632,102	57%
4.2	Employment	261,566	427,876	427,876	64%
4.3	Total Daily Person Trips	1,775,182	3,075,184	3,101,321	73%
4.3.1	Work Person Trips	335,271	579,809	585,041	73%
4.4	Total Daily CV Trips	137,279	211,324	211,324	54%
4.4.1	Daily Truck Trips	57,715	85,991	85,991	49%