

DCHC MPO - Alternatives Analysis

Hourly Cost of Congestion* by Corridor

Route	2015 Base Year	2045 E+C	Mod-MTP	Mod-Hwy	Asp-Transit	Asp-MTP
I-40						
I-40 EB (NC147 to NC 540)	\$ 702	\$ 2,968	\$ 2,158	\$ 2,040	\$ 1,583	\$ 1,686
I-40WB (NC 540 to NC147)	\$ 385	\$ 1,406	\$ 831	\$ 854	\$ 1,105	\$ 1,036
I-40EB (US 15/501 to NC 147)	\$ 530	\$ 3,188	\$ 2,124	\$ 2,720	\$ 1,444	\$ 1,443
I-40WB (NC 147 to US 15/501)	\$ 527	\$ 1,742	\$ 1,500	\$ 1,642	\$ 1,334	\$ 1,360
I-40EB (NC86 to US 15/501)	\$ 379	\$ 823	\$ 296	\$ 196	\$ 348	\$ 345
I-40WB (US 15/501 to NC86)	\$ 369	\$ 3,038	\$ 1,147	\$ 745	\$ 774	\$ 766
I-40EB (I-85 to NC 86)	\$ 175	\$ 241	\$ 155	\$ 106	\$ 203	\$ 201
I-40WB (NC 86 to I-85)	\$ 192	\$ 979	\$ 503	\$ 533	\$ 335	\$ 316

NC 147

NC 147 EB (Chapel Hill Street to I-40)	\$ 452	\$ 1,391	\$ 1,156	\$ 1,421	\$ 991	\$ 992
NC 147 WB (I-40 to Chapel Hill Street)	\$ 286	\$ 1,609	\$ 1,003	\$ 1,029	\$ 861	\$ 880
NC 147 EB (I-85 to Chapel Hill Street)	\$ 42	\$ 131	\$ 99	\$ 133	\$ 69	\$ 71
NC 147 WB (Chapel Hill Street to I-85)	\$ 93	\$ 518	\$ 278	\$ 244	\$ 206	\$ 238

I-85

I-85 NB (I-40 to US 15/501)	\$ 55	\$ 1,156	\$ 361	\$ 539	\$ 257	\$ 256
I-85 SB (US 15/501 to I-40)	\$ 118	\$ 1,662	\$ 686	\$ 698	\$ 516	\$ 552
I-85 NB (US 15/501 to US 70)	\$ 100	\$ 1,040	\$ 1,102	\$ 1,553	\$ 830	\$ 848
I-85 SB (US 70 to US 15/501)	\$ 49	\$ 288	\$ 264	\$ 304	\$ 240	\$ 242
I-85 NB (US 70 to Granville County)	\$ 204	\$ 3,369	\$ 4,063	\$ 2,712	\$ 1,263	\$ 1,300
I-85 SB (Granville County to US 70)	\$ 55	\$ 164	\$ 183	\$ 113	\$ 112	\$ 110

US 70

US 70 EB (Miami to NC 540)	\$ 346	\$ 4,342	\$ 3,344	\$ 3,156	\$ 2,449	\$ 2,455
US 70 WB (NC 540 to Miami)	\$ 187	\$ 3,858	\$ 938	\$ 809	\$ 904	\$ 878
US 70 EB (I-85 to East End Conn)	\$ 88	\$ 201	\$ 140	\$ 166	\$ 152	\$ 151
US 70 WB (East End Conn to I-85)	\$ 49	\$ 749	\$ 1,024	\$ 956	\$ 898	\$ 915
NC 98 EB (US 70 to Wake County)	\$ 209	\$ 1,473	\$ 1,955	\$ 1,862	\$ 903	\$ 935
NC 98 WB (Wake County to US 70)	\$ 17	\$ 84	\$ 42	\$ 41	\$ 33	\$ 32
US 501 NB (I-85 to Roxboro Road)	\$ 285	\$ 1,218	\$ 1,057	\$ 851	\$ 921	\$ 1,008
US 501 SB (Roxboro Road to I-85)	\$ 103	\$ 125	\$ 76	\$ 64	\$ 102	\$ 104
US 15/501 NB (I-40 to I-85)	\$ 273	\$ 3,077	\$ 2,558	\$ 2,700	\$ 1,276	\$ 1,232
US 15/501 SB (I-85 to I-40)	\$ 433	\$ 1,319	\$ 1,578	\$ 1,619	\$ 1,073	\$ 1,079
US 15/501 NB (Columbia St to I-40)	\$ 587	\$ 2,062	\$ 1,244	\$ 1,284	\$ 941	\$ 911
US 15/501 SB (I-40 to Columbia Street)	\$ 631	\$ 2,292	\$ 1,158	\$ 1,156	\$ 887	\$ 890
NC 54 WB (I-40 to US 15/501)	\$ 916	\$ 4,742	\$ 2,815	\$ 2,868	\$ 1,963	\$ 2,017

* This measure only includes the cost of time for car and truck motorists.

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NC 54 EB (US 15/501 to I-40)	\$ 1,462	7,552	\$ 4,332	\$ 4,235	\$ 3,834	\$ 3,916
NC 86 NB (US 15/501 to I-40)	\$ 323	\$ 2,039	\$ 1,309	\$ 1,305	\$ 985	\$ 985
NC 86 SB (I-40 to US 15/501)	\$ 267	\$ 1,493	\$ 979	\$ 1,026	\$ 731	\$ 736
US 15/501 (Lystra Road to NC 54)	\$ 33	\$ 65	\$ 60	\$ 63	\$ 55	\$ 54
US 15/501 (NC 54 to Lystra Road)	\$ 174	\$ 1,777	\$ 792	\$ 769	\$ 545	\$ 570
NC 54 (Bethel Hickory Gr Rd to W. Main St)	\$ 23	\$ 42	\$ 42	\$ 43	\$ 34	\$ 34
NC 54 (W. Main St to Bethel Hickory Gr Rd)	\$ 40	\$ 527	\$ 255	\$ 269	\$ 94	\$ 94
Miami Blvd (I-40 to US 70)	\$ 190	\$ 533	\$ 281	\$ 327	\$ 176	\$ 191
Miami Blvd (US 70 to I-40)	\$ 48	\$ 167	\$ 75	\$ 81	\$ 76	\$ 80
US 70 (East End Conn to Miami Blvd)	\$ 502	\$ 97	\$ 186	\$ 214	\$ 177	\$ 176
US 70 (Miami Blvd to East End Conn)	\$ 557	\$ 43	\$ 93	\$ 87	\$ 97	\$ 95
US 15 Bus (US 15/501 to NC 147)	\$ 65	\$ 315	\$ 180	\$ 208	\$ 148	\$ 153
US 15 Bus (NC 147 to US 15/501)	\$ 106	\$ 290	\$ 203	\$ 217	\$ 159	\$ 173
NC 751 (Chatham County to I-40)	\$ 89	\$ 485	\$ 146	\$ 195	\$ 94	\$ 94
NC 751 (I-40 to Chatham County)	\$ 689	\$ 2,393	\$ 658	\$ 1,331	\$ 656	\$ 672
Fayetteville Road (NC 751 to I-40)	\$ 92	\$ 136	\$ 52	\$ 60	\$ 51	\$ 50
Fayetteville Road (I-40 to NC 751)	\$ 210	\$ 536	\$ 137	\$ 257	\$ 131	\$ 139
NC 54 (I-40 to Fayetteville Road)	\$ 171	\$ 1,556	\$ 818	\$ 1,012	\$ 344	\$ 341
NC 54 (Fayetteville Road to I-40)	\$ 95	\$ 455	\$ 297	\$ 333	\$ 142	\$ 147
NC 751-HVR (I-40 to Martin Luther King Jr Pkwy)	\$ 55	\$ 358	\$ 232	\$ 221	\$ 111	\$ 108
NC 751-HVR (Martin Luther King Jr Pkwy to I-40)	\$ 75	\$ 344	\$ 233	\$ 268	\$ 173	\$ 179
Garrett Road (NC 54 to US 15/501)	\$ 75	\$ 507	\$ 343	\$ 298	\$ 250	\$ 252
Garrett Road (US 15/501 to NC 54)	\$ 86	\$ 543	\$ 360	\$ 389	\$ 253	\$ 260
Fayetteville Road (I-40 to E Cornwallis)	\$ 116	\$ 462	\$ 351	\$ 349	\$ 196	\$ 192
Fayetteville Road (E Cornwallis to I-40)	\$ 221	\$ 391	\$ 285	\$ 317	\$ 227	\$ 234

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