2021

BASE ANALYSIS — Travel Time Skims

TAZ	1	2	3	4
1	5	16	13	18
2	16	7	20	12
3	13	20	2	9
4	18	12	9	3

Base Network with Base OD Volumes — HBW P-A Matrix

1	2	3	4	Oi	InterTAZ Trips	Total Tij*tij	Intra Tij*tij	Overall Mean Tij	Inter Mean Tij
250	125	375	75	825	575	9475	1250	11.48	14.30
100	400	50	225	775	375	8100	2800	10.45	14.13
205	60	225	420	910	685	8095	450	8.90	11.16
155	215	320	175	865	690	8775	525	10.14	11.96
710	800	970	895	3375	2325	34445	5025	10.21	12.65

ALTERNATIVE A0 — Travel Time Skims

TAZ	1	2	3	4
1	5	16	13	18
2	16	7	20	12
3	13	20	2	9
4	18	12	9	3

A0. Base Network with Future OD Volumes — HBW P-A Matrix

1	2	3	4	Oi	InterTAZ Trips	Total Tij*tij	Intra Tij*tij	Overall Mean Tij	Inter Mean Tij	A0 Versus Base: Overall Dev(%)	A0 Versus Base: Inter Dev(%)
286	112	344	104	846	560.1	9566.6	1429.5	11.31	14.53	-1.54	1.56
114	460	114	263	951	491.1	10481.5	3219.3	11.02	14.79	5.45	4.63
249	80	205	337	871	666.0	8283.2	410.0	9.51	11.82	6.91	5.92
95	235	427	181	938	757.0	8917.3	543.1	9.51	11.06	-6.29	-7.47
744	887	1090	885	3606	2474.2	37248.6	5601.9	10.33	12.79	1.21	1.08

ALTERNATIVE A1 — Travel Time Skims

TAZ	1	2	3	4
1	6	14	11	14
2	14	8	17	15
3	11	17	3	11
4	14	15	11	5

A1. Future Network with Future OD Volumes — HBW P-A Matrix

1	2	3	4	Oi	InterTAZ Trips	Total Tij*tij	Intra Tij*tij	Overall Mean Tij	Inter Mean Tij	A1 versus Base: Overall Dev(%)	A1 versus Base: Inter Dev(%)	A1 versus A0: Overall Dev(%)	A1 versus A0: Inter Dev(%)
215	177	272	182	846	631	9310.6	1287.2	11.01	12.71	-4.17	-11.17	-2.68	-12.54
179	391	134	247	951	560	11615.1	3130.2	12.21	15.16	16.86	7.26	10.82	2.51
190	92	325	263	871	546	7532.4	976.3	8.65	12.02	-2.78	7.68	-9.06	1.66
169	227	349	193	938	745	10572.4	966.1	11.27	12.90	11.11	7.88	18.56	16.59
752	888	1081	885	3606	2482	39030.4	6359.9	10.82	13.17	6.05	4.04	4.78	2.93

Del

1	-2	-2	-4
-2	1	-3	3
-2	-3	1	2
-4	3	2	2

-35	52	-103	107	21
79	-9	84	22	176
-15	32	100	-157	-39
14	12	29	18	73
42	88	111	-10	

Conclusions:
About 7 percent more trips yields minor travel time increases
for total and interzonal travel versus the base network.
"Improving" the network (A1 over A0) actually yields performance that
is worse on average than the base and A0 (based on Distribution only).