Franklin Road NB - SAT

Growth Rate	0.68%
Build % Reduction in Delay	
Left	43%
Through	#DIV/0!
Right	32%

	No- Build																		Build									
Year	Delay			Passenger Vehicle Count (VpH)			Commercial Vehicle Count (VpH)			Total Passenger Vehicle Persons (PpH)			Total Commercial Vehicle Persons (PpH)			Total Passenger Annual Hours Delayed	Total Commercial Annual Hours Delayed	Total Time Value of Delay	Delay			Total Annual Passenger Hours Delayed	Total Commercial Hours Delayed	Total Time Value of Delay	Difference in Cost	Discounted Cost Savings	Passenger Hours Saved	Commercial Hours Saved
	L	T	R	L	T	R	L	T	R	L	T	R	L	T	R				L	T	R							
2022																												
2023																												
2024																												
2025	91	80	49	135	135	135	0	26	4	273	273	273	0	26	4	5251	201	100502	91	80	49	5251	201	100502	$ -	$ -	0	0
2026	91	80	49	136	136	136	0	27	4	275	275	275	0	27	4	5287	203	101185	91	80	49	5287	203	101185	$ -	$ -	0	0
2027	91	80	49	137	137	137	0	27	4	277	277	277	0	27	4	5323	204	101873	91	80	49	5323	204	101873	$ -	$ -	0	0
2028	91	80	49	138	138	138	0	27	4	279	279	279	0	27	4	5359	206	102566	95	84	51	5627	216	107695	$ (5,128)	$ (4,270)	-268	-10
2029	91	80	49	139	139	139	0	27	4	281	281	281	0	27	4	5396	207	103264	95	84	51	5665	217	108427	$ (5,163)	$ (4,170)	-270	-10
2030	91	80	49	140	140	140	0	27	4	283	283	283	0	27	4	5432	208	103966	95	84	51	5704	219	109164	$ (5,198)	$ (4,072)	-272	-10
2031	91	80	49	141	141	141	0	28	4	285	285	285	0	28	4	5469	210	104673	61	57	45	4069	153	77783	$ 26,890	$ 20,430	1400	56
2032	91	80	49	142	142	142	0	28	4	287	287	287	0	28	4	5506	211	105385	61	57	45	4097	154	78312	$ 27,073	$ 19,950	1410	57
2033	91	80	49	143	143	143	0	28	4	289	289	289	0	28	4	5544	213	106101	61	57	45	4124	155	78845	$ 27,257	$ 19,482	1419	57
2034	91	80	49	144	144	144	0	28	4	291	291	291	0	28	4	5581	214	106823	61	57	45	4152	156	79381	$ 27,442	$ 19,024	1429	58
2035	91	80	49	145	145	145	0	28	4	293	293	293	0	28	4	5619	216	107549	61	57	45	4181	157	79921	$ 27,629	$ 18,578	1439	58
2036	91	80	49	146	146	146	0	29	4	295	295	295	0	29	4	5658	217	108280	61	57	45	4209	159	80464	$ 27,816	$ 18,142	1449	58
2037	91	80	49	147	147	147	0	29	4	297	297	297	0	29	4	5696	218	109017	61	57	45	4238	160	81011	$ 28,006	$ 17,716	1458	59
2038	91	80	49	148	148	148	0	29	4	299	299	299	0	29	4	5735	220	109758	61	57	45	4267	161	81562	$ 28,196	$ 17,300	1468	59
2039	91	80	49	149	149	149	0	29	4	301	301	301	0	29	4	5774	221	110504	61	57	45	4296	162	82117	$ 28,388	$ 16,894	1478	60
2040	91	80	49	150	150	150	0	29	4	303	303	303	0	29	4	5813	223	111256	61	57	45	4325	163	82675	$ 28,581	$ 16,498	1488	60
2041	91	80	49	151	151	151	0	29	4	305	305	305	0	29	4	5853	224	112012	61	57	45	4354	164	83237	$ 28,775	$ 16,110	1498	60
2042	91	80	49	152	152	152	0	30	4	307	307	307	0	30	4	5892	226	112774	61	57	45	4384	165	83803	$ 28,971	$ 15,732	1509	61
2043	91	80	49	153	153	153	0	30	4	309	309	309	0	30	4	5933	228	113541	61	57	45	4414	166	84373	$ 29,168	$ 15,363	1519	61
2044	91	80	49	154	154	154	0	30	4	311	311	311	0	30	4	5973	229	114313	61	57	45	4444	167	84947	$ 29,366	$ 15,002	1529	62
2045	91	80	49	155	158	147	0	30	4	313	320	297	0	30	4	5992	231	114715	61	57	45	4444	169	84994	$ 29,721	$ 14,727	1548	62
2046	91	80	49	156	156	156	0	31	4	315	315	315	0	31	4	6054	232	115873	61	57	45	4504	170	86106	$ 29,767	$ 14,306	1550	63
2047	91	80	49	157	157	157	0	31	4	317	317	317	0	31	4	6096	234	116661	61	57	45	4535	171	86692	$ 29,969	$ 13,970	1561	63
2048	91	80	49	158	158	158	0	31	4	320	320	320	0	31	4	6137	235	117454	61	57	45	4566	172	87281	$ 30,173	$ 13,643	1571	63
2049	91	80	49	159	159	159	0	31	5	322	322	322	0	31	5	6179	237	118253	61	57	45	4597	173	87875	$ 30,378	$ 13,322	1582	64
2050	91	80	49	160	160	160	0	31	5	324	324	324	0	31	5	6221	239	119057	61	57	45	4628	174	88472	$ 30,585	$ 13,010	1593	64
2051	91	80	49	161	161	161	0	32	5	326	326	326	0	32	5	6263	240	119867	61	57	45	4659	176	89074	$ 30,793	$ 12,704	1604	65
2052	90.8	79.9	48.8	162.5	162.5	162.5	0.0	31.8	4.6	328.3	328.3	328.3	0.0	31.8	4.6	6305.6	241.8	120681.7	61.1	57.0	45.2	4691.2	176.7	89679.4	31002.3	12406.1	1614.5	65.1
Total																									**$ 620,455.68**	**$ 341,797.80**		

Franklin Road SB - SAT

Growth Rate	0.68%
Build % Reduction in Delay	
Left	43%
Through	#DIV/0!
Right	32%

	No- Build																		Build									
Year	Delay			Passenger Vehicle Count (VpH)			Commercial Vehicle Count (VpH)			Total Passenger Vehicle Persons (PpH)			Total Commercial Vehicle Persons (PpH)			Total Passenger Annual Hours Delayed	Total Commercial Annual Hours Delayed	Total Time Value of Delay	Delay			Total Annual Passenger Hours Delayed	Total Commercial Hours Delayed	Total Time Value of Delay	Difference in Cost	Discounted Cost Savings	Passenger Hours Saved	Commercial Hours Saved
	L	T	R	L	T	R	L	T	R	L	T	R	L	T	R				L	T	R							
2022																												
2023																												
2024																												
2025	65	86	39	134	151	128	0	2	3	271	306	259	0	2	3	4699	20	84763	65	86	39	4699	20	84763	$ -	$ -	0	0
2026	65	86	39	135	152	129	0	2	3	273	308	261	0	2	3	4731	20	85339	65	86	39	4731	20	85339	$ -	$ -	0	0
2027	65	86	39	136	153	130	0	2	3	274	310	263	0	2	3	4763	20	85919	65	86	39	4763	20	85919	$ -	$ -	0	0
2028	65	86	39	137	154	131	0	2	3	276	312	265	0	2	3	4796	20	86503	68	90	40	5036	21	90829	$ (4,325)	$ (3,601)	-240	-1
2029	65	86	39	138	155	132	0	2	3	278	314	266	0	2	3	4828	21	87092	68	90	40	5070	22	91446	$ (4,355)	$ (3,517)	-241	-1
2030	65	86	39	139	157	133	0	2	3	280	316	268	0	2	3	4861	21	87684	68	90	40	5104	22	92068	$ (4,384)	$ (3,434)	-243	-1
2031	65	86	39	140	158	134	0	2	3	282	318	270	0	2	3	4894	21	88280	57	79	50	4795	23	86567	$ 1,713	$ 1,302	99	-2
2032	65	86	39	141	159	135	0	2	3	284	320	272	0	2	3	4928	21	88880	57	79	50	4828	23	87156	$ 1,725	$ 1,271	100	-2
2033	65	86	39	141	160	136	0	2	3	286	323	274	0	2	3	4961	21	89485	57	79	50	4861	23	87748	$ 1,737	$ 1,241	100	-2
2034	65	86	39	142	161	136	0	2	3	288	325	276	0	2	3	4995	21	90093	57	79	50	4894	23	88345	$ 1,748	$ 1,212	101	-2
2035	65	86	39	143	162	137	0	2	3	290	327	277	0	2	3	5029	21	90706	57	79	50	4927	23	88946	$ 1,760	$ 1,184	102	-2
2036	65	86	39	144	163	138	0	2	3	292	329	279	0	2	3	5063	22	91323	57	79	50	4961	23	89550	$ 1,772	$ 1,156	102	-2
2037	65	86	39	145	164	139	0	2	3	294	331	281	0	2	3	5097	22	91944	57	79	50	4994	23	90159	$ 1,784	$ 1,129	103	-2
2038	65	86	39	146	165	140	0	2	3	296	334	283	0	2	3	5132	22	92569	57	79	50	5028	24	90772	$ 1,797	$ 1,102	104	-2
2039	65	86	39	147	166	141	0	2	3	298	336	285	0	2	3	5167	22	93198	57	79	50	5063	24	91390	$ 1,809	$ 1,076	104	-2
2040	65	86	39	148	167	142	0	2	3	300	338	287	0	2	3	5202	22	93832	57	79	50	5097	24	92011	$ 1,821	$ 1,051	105	-2
2041	65	86	39	149	169	143	0	2	3	302	341	289	0	2	3	5238	22	94470	57	79	50	5132	24	92637	$ 1,833	$ 1,026	106	-2
2042	65	86	39	150	170	144	0	2	3	304	343	291	0	2	3	5273	22	95113	57	79	50	5167	24	93267	$ 1,846	$ 1,002	107	-2
2043	65	86	39	151	171	145	0	2	3	306	345	293	0	2	3	5309	23	95759	57	79	50	5202	24	93901	$ 1,858	$ 979	107	-2
2044	65	86	39	152	172	146	0	2	3	308	348	295	0	2	3	5345	23	96411	57	79	50	5237	25	94540	$ 1,871	$ 956	108	-2
2045	65	86	39	153	173	147	2	2	3	310	350	297	2	2	3	5381	32	97351	57	79	50	5273	33	95433	$ 1,918	$ 950	109	-1
2046	65	86	39	154	174	148	0	2	3	312	352	299	0	2	3	5418	23	97726	57	79	50	5309	25	95830	$ 1,897	$ 912	109	-2
2047	65	86	39	156	176	149	0	2	3	314	355	301	0	2	3	5455	23	98391	57	79	50	5345	25	96481	$ 1,910	$ 890	110	-2
2048	65	86	39	157	177	150	0	2	3	316	357	303	0	2	3	5492	23	99060	57	79	50	5381	25	97137	$ 1,923	$ 869	111	-2
2049	65	86	39	158	178	151	0	2	3	318	360	305	0	2	3	5529	23	99733	57	79	50	5418	25	97798	$ 1,936	$ 849	112	-2
2050	65	86	39	159	179	152	0	2	3	321	362	307	0	2	3	5567	24	100412	57	79	50	5454	26	98463	$ 1,949	$ 829	112	-2
2051	65	86	39	160	180	153	0	2	3	323	364	309	0	2	3	5605	24	101094	57	79	50	5492	26	99132	$ 1,962	$ 809	113	-2
2052	65.0	85.5	38.5	160.9	181.7	154.1	0.0	1.8	3.0	325.0	367.0	311.4	0.0	1.8	3.0	5642.9	24.0	101781.9	57.2	79.1	50.0	5528.9	26.0	99806.6	1975.3	790.5	114.0	-2.0
Total																									**$ 27,480.11**	**$ 12,035.03**		

Franklin Road EB - SAT

Growth Rate	0.68%
Build % Reduction in Delay	
Left	43%
Through	#DIV/0!
Right	32%

	No- Build																		Build									
Year	Delay			Passenger Vehicle Count (VpH)			Commercial Vehicle Count (VpH)			Total Passenger Vehicle Persons (PpH)			Total Commercial Vehicle Persons (PpH)			Total Passenger Annual Hours Delayed	Total Commercial Annual Hours Delayed	Total Time Value of Delay	Delay			Total Annual Passenger Hours Delayed	Total Commercial Hours Delayed	Total Time Value of Delay	Difference in Cost	Discounted Cost Savings	Passenger Hours Saved	Commercial Hours Saved
	L	T	R	L	T	R	L	T	R	L	T	R	L	T	R				L	T	R							
2022																												
2023																												
2024																												
2025	48	28	2	118	118	118	0	20	0	238	238	238	0	20	0	1609	47	30326	48	28	2	1609	47	30326	$ -	$ -	0	0
2026	48	28	2	119	119	119	0	20	0	240	240	240	0	20	0	1620	48	30533	48	28	2	1620	48	30533	$ -	$ -	0	0
2027	48	28	2	119	119	119	0	20	0	241	241	241	0	20	0	1631	48	30740	48	28	2	1631	48	30740	$ -	$ -	0	0
2028	48	28	2	120	120	120	0	20	0	243	243	243	0	20	0	1642	48	30949	50	29	2	1724	51	32497	$ (1,547)	$ (1,288)	-82	-2
2029	48	28	2	121	121	121	0	20	0	245	245	245	0	20	0	1653	49	31160	50	29	2	1735	51	32718	$ (1,558)	$ (1,258)	-83	-2
2030	48	28	2	122	122	122	0	20	0	246	246	246	0	20	0	1664	49	31372	50	29	2	1747	52	32940	$ (1,569)	$ (1,229)	-83	-2
2031	48	28	2	123	123	123	0	20	0	248	248	248	0	20	0	1675	49	31585	60	11	1	1569	20	28733	$ 2,852	$ 2,167	106	29
2032	48	28	2	124	124	124	0	21	0	250	250	250	0	21	0	1687	50	31800	60	11	1	1580	20	28928	$ 2,871	$ 2,116	107	30
2033	48	28	2	124	124	124	0	21	0	251	251	251	0	21	0	1698	50	32016	60	11	1	1590	20	29125	$ 2,891	$ 2,066	108	30
2034	48	28	2	125	125	125	0	21	0	253	253	253	0	21	0	1710	50	32234	60	11	1	1601	20	29323	$ 2,910	$ 2,018	109	30
2035	48	28	2	126	126	126	0	21	0	255	255	255	0	21	0	1721	51	32453	60	11	1	1612	21	29523	$ 2,930	$ 1,970	109	30
2036	48	28	2	127	127	127	0	21	0	257	257	257	0	21	0	1733	51	32674	60	11	1	1623	21	29723	$ 2,950	$ 1,924	110	30
2037	48	28	2	128	128	128	0	21	0	258	258	258	0	21	0	1745	51	32896	60	11	1	1634	21	29926	$ 2,970	$ 1,879	111	31
2038	48	28	2	129	129	129	0	21	0	260	260	260	0	21	0	1757	52	33119	60	11	1	1645	21	30129	$ 2,990	$ 1,835	112	31
2039	48	28	2	130	130	130	0	22	0	262	262	262	0	22	0	1769	52	33345	60	11	1	1656	21	30334	$ 3,011	$ 1,792	112	31
2040	48	28	2	131	131	131	0	22	0	264	264	264	0	22	0	1781	53	33571	60	11	1	1668	21	30540	$ 3,031	$ 1,750	113	31
2041	48	28	2	131	131	131	0	22	0	265	265	265	0	22	0	1793	53	33800	60	11	1	1679	21	30748	$ 3,052	$ 1,709	114	31
2042	48	28	2	132	132	132	0	22	0	267	267	267	0	22	0	1805	53	34030	60	11	1	1690	22	30957	$ 3,073	$ 1,669	115	32
2043	48	28	2	133	133	133	0	22	0	269	269	269	0	22	0	1817	54	34261	60	11	1	1702	22	31167	$ 3,094	$ 1,629	115	32
2044	48	28	2	134	134	134	0	22	0	271	271	271	0	22	0	1830	54	34494	60	11	1	1714	22	31379	$ 3,115	$ 1,591	116	32
2045	48	28	2	135	1103	105	0	23	0	273	2227	212	0	23	0	6553	54	119051	60	11	1	3635	22	65772	$ 53,279	$ 26,400	2918	32
2046	48	28	2	136	136	136	0	23	0	275	275	275	0	23	0	1855	55	34965	60	11	1	1737	22	31808	$ 3,157	$ 1,517	118	33
2047	48	28	2	137	137	137	0	23	0	276	276	276	0	23	0	1867	55	35202	60	11	1	1749	22	32024	$ 3,179	$ 1,482	119	33
2048	48	28	2	138	138	138	0	23	0	278	278	278	0	23	0	1880	55	35442	60	11	1	1761	23	32242	$ 3,200	$ 1,447	119	33
2049	48	28	2	139	139	139	0	23	0	280	280	280	0	23	0	1893	56	35683	60	11	1	1773	23	32461	$ 3,222	$ 1,413	120	33
2050	48	28	2	140	140	140	0	23	0	282	282	282	0	23	0	1906	56	35925	60	11	1	1785	23	32682	$ 3,244	$ 1,380	121	33
2051	48	28	2	141	141	141	0	23	0	284	284	284	0	23	0	1919	57	36170	60	11	1	1797	23	32904	$ 3,266	$ 1,347	122	34
2052	47.9	27.6	1.7	141.6	141.6	141.6	0.0	23.6	0.0	285.9	285.9	285.9	0.0	23.6	0.0	1931.6	57.0	36415.7	60.0	11.2	1.1	1809.0	23.1	33127.6	3288.1	1315.8	122.6	33.9
Total																									**$ 112,901.28**	**$ 58,641.00**		

Franklin Road WB - SAT

Growth Rate	0.68%
Build % Reduction in Delay	
Left	43%
Through	#DIV/0!
Right	32%

	No- Build																		Build									
Year	Delay			Passenger Vehicle Count (VpH)			Commercial Vehicle Count (VpH)			Total Passenger Vehicle Persons (PpH)			Total Commercial Vehicle Persons (PpH)			Total Passenger Annual Hours Delayed	Total Commercial Annual Hours Delayed	Total Time Value of Delay	Delay			Total Annual Passenger Hours Delayed	Total Commercial Hours Delayed	Total Time Value of Delay	Difference in Cost	Discounted Cost Savings	Passenger Hours Saved	Commercial Hours Saved
	L	T	R	L	T	R	L	T	R	L	T	R	L	T	R				L	T	R							
2022																												
2023																												
2024																												
2025	67	38	38	144	144	144	0	26	4	291	291	291	0	26	4	3637	100	68326	67	38	38	3637	100	68326	$ -	$ -	0	0
2026	67	38	38	145	145	145	0	27	4	293	293	293	0	27	4	3661	101	68790	67	38	38	3661	101	68790	$ -	$ -	0	0
2027	67	38	38	146	146	146	0	27	4	295	295	295	0	27	4	3686	101	69258	67	38	38	3686	101	69258	$ -	$ -	0	0
2028	67	38	38	147	147	147	0	27	4	297	297	297	0	27	4	3711	102	69729	71	40	40	3897	107	73215	$ (3,486)	$ (2,903)	-186	-5
2029	67	38	38	148	148	148	0	27	4	299	299	299	0	27	4	3737	103	70203	71	40	40	3923	108	73713	$ (3,510)	$ (2,835)	-187	-5
2030	67	38	38	149	149	149	0	27	4	301	301	301	0	27	4	3762	103	70680	71	40	40	3950	109	74214	$ (3,534)	$ (2,768)	-188	-5
2031	67	38	38	150	150	150	0	28	4	303	303	303	0	28	4	3788	104	71161	5	14	24	1156	43	22097	$ 49,064	$ 37,277	2631	61
2032	67	38	38	151	151	151	0	28	4	305	305	305	0	28	4	3813	105	71645	5	14	24	1164	44	22247	$ 49,398	$ 36,402	2649	61
2033	67	38	38	152	152	152	0	28	4	307	307	307	0	28	4	3839	106	72132	5	14	24	1172	44	22398	$ 49,734	$ 35,547	2667	62
2034	67	38	38	153	153	153	0	28	4	309	309	309	0	28	4	3865	106	72623	5	14	24	1180	44	22551	$ 50,072	$ 34,713	2685	62
2035	67	38	38	154	154	154	0	28	4	311	311	311	0	28	4	3892	107	73116	5	14	24	1188	44	22704	$ 50,413	$ 33,898	2703	63
2036	67	38	38	155	155	155	0	29	4	314	314	314	0	29	4	3918	108	73614	5	14	24	1196	45	22858	$ 50,755	$ 33,102	2722	63
2037	67	38	38	156	156	156	0	29	4	316	316	316	0	29	4	3945	108	74114	5	14	24	1204	45	23014	$ 51,100	$ 32,325	2740	63
2038	67	38	38	157	157	157	0	29	4	318	318	318	0	29	4	3972	109	74618	5	14	24	1213	45	23170	$ 51,448	$ 31,567	2759	64
2039	67	38	38	158	158	158	0	29	4	320	320	320	0	29	4	3999	110	75126	5	14	24	1221	46	23328	$ 51,798	$ 30,826	2778	64
2040	67	38	38	160	160	160	0	29	4	322	322	322	0	29	4	4026	111	75636	5	14	24	1229	46	23486	$ 52,150	$ 30,102	2797	65
2041	67	38	38	161	161	161	0	29	4	324	324	324	0	29	4	4053	111	76151	5	14	24	1238	46	23646	$ 52,505	$ 29,396	2816	65
2042	67	38	38	162	162	162	0	30	4	327	327	327	0	30	4	4081	112	76669	5	14	24	1246	47	23807	$ 52,862	$ 28,706	2835	66
2043	67	38	38	163	163	163	0	30	4	329	329	329	0	30	4	4109	113	77190	5	14	24	1254	47	23969	$ 53,221	$ 28,032	2854	66
2044	67	38	38	164	164	164	0	30	4	331	331	331	0	30	4	4136	114	77715	5	14	24	1263	47	24132	$ 53,583	$ 27,374	2874	66
2045	67	38	38	165	1485	106	0	30	4	333	2999	213	0	30	4	12563	114	228567	5	14	24	4375	48	79853	$ 148,714	$ 73,689	8187	67
2046	67	38	38	166	166	166	0	31	4	336	336	336	0	31	4	4193	115	78775	5	14	24	1280	48	24461	$ 54,314	$ 26,104	2913	67
2047	67	38	38	167	167	167	0	31	4	338	338	338	0	31	4	4221	116	79311	5	14	24	1289	48	24627	$ 54,684	$ 25,491	2933	68
2048	67	38	38	168	168	168	0	31	4	340	340	340	0	31	4	4250	117	79850	5	14	24	1298	49	24795	$ 55,055	$ 24,893	2952	68
2049	67	38	38	170	170	170	0	31	5	342	342	342	0	31	5	4279	118	80393	5	14	24	1306	49	24964	$ 55,430	$ 24,309	2973	69
2050	67	38	38	171	171	171	0	31	5	345	345	345	0	31	5	4308	118	80940	5	14	24	1315	49	25133	$ 55,807	$ 23,738	2993	69
2051	67	38	38	172	172	172	0	32	5	347	347	347	0	32	5	4337	119	81490	5	14	24	1324	50	25304	$ 56,186	$ 23,181	3013	70
2052	67.4	37.7	37.7	173.0	173.0	173.0	0.0	31.8	4.6	349.5	349.5	349.5	0.0	31.8	4.6	4366.9	120.0	82044.5	4.9	14.4	24.3	1333.3	49.8	25476.2	56568.3	22636.7	3033.6	70.2
Total																									**$ 1,244,330.54**	**$ 684,801.86**		

Franklin 228 NB-PM

Growth Rate	0.68%
Build % Reduction in Delay	
Left	57%
Through	84%
Right	16%

	No- Build																		Build									
Year	Delay			Passenger Vehicle Count (VpH)			Commercial Vehicle Count (VpH)			Total Passenger Vehicle Persons (PpH)			Total Commercial Vehicle Persons (PpH)			Total Passenger Annual Hours Delayed	Total Commercial Annual Hours Delayed	Total Time Value of Delay	Delay			Total Annual Passenger Hours Delayed	Total Commercial Hours Delayed	Total Time Value of Delay	Difference in Cost	Discounted Cost Savings	Passenger Hours Saved	Commercial Hours Saved
	L	T	R	L	T	R	L	T	R	L	T	R	L	T	R				L	T	R							
2022																												
2023																												
2024																												
2025	51	54	43	176	360	210	4	7	2	261	533	311	4	7	2	11982	143	219105	51	54	43	11982	143	219105	$ -	$ -	0	0
2026	51	54	43	178	362	211	4	7	2	263	536	313	4	7	2	12063	144	220595	51	54	43	12063	144	220595	$ -	$ -	0	0
2027	51	54	43	179	365	213	4	7	2	265	540	315	4	7	2	12145	145	222095	51	54	43	12145	145	222095	$ -	$ -	0	0
2028	51	54	43	180	367	214	4	7	2	266	544	317	4	7	2	12228	146	223605	53	57	45	12839	154	234785	$ (11,180)	$ (9,309)	-611	-7
2029	51	54	43	181	370	216	4	7	2	268	547	319	4	7	2	12311	147	225125	53	57	45	12927	155	236382	$ (11,256)	$ (9,090)	-616	-7
2030	51	54	43	182	372	217	4	7	2	270	551	322	4	7	2	12395	148	226656	53	57	45	13015	156	237989	$ (11,333)	$ (8,877)	-620	-7
2031	51	54	43	184	375	219	4	7	2	272	555	324	4	7	2	12479	149	228198	22	9	36	4842	49	88254	$ 139,943	$ 106,322	7637	100
2032	51	54	43	185	377	220	4	8	2	274	559	326	4	8	2	12564	150	229749	22	9	36	4875	49	88854	$ 140,895	$ 103,827	7689	101
2033	51	54	43	186	380	222	4	8	2	276	562	328	4	8	2	12649	151	231312	22	9	36	4908	50	89459	$ 141,853	$ 101,390	7741	102
2034	51	54	43	187	383	223	4	8	2	277	566	330	4	8	2	12735	152	232885	22	9	36	4942	50	90067	$ 142,818	$ 99,010	7794	103
2035	51	54	43	189	385	225	4	8	2	279	570	333	4	8	2	12822	153	234468	22	9	36	4975	50	90679	$ 143,789	$ 96,686	7847	103
2036	51	54	43	190	388	226	4	8	2	281	574	335	4	8	2	12909	154	236063	22	9	36	5009	51	91296	$ 144,767	$ 94,416	7900	104
2037	51	54	43	191	390	228	4	8	2	283	578	337	4	8	2	12997	155	237668	22	9	36	5043	51	91917	$ 145,751	$ 92,200	7954	105
2038	51	54	43	193	393	229	4	8	2	285	582	339	4	8	2	13085	157	239284	22	9	36	5078	51	92542	$ 146,742	$ 90,036	8008	105
2039	51	54	43	194	396	231	4	8	2	287	586	342	4	8	2	13174	158	240911	22	9	36	5112	52	93171	$ 147,740	$ 87,923	8062	106
2040	51	54	43	195	399	232	4	8	2	289	590	344	4	8	2	13264	159	242549	22	9	36	5147	52	93805	$ 148,745	$ 85,859	8117	107
2041	51	54	43	197	401	234	4	8	2	291	594	346	4	8	2	13354	160	244199	22	9	36	5182	52	94442	$ 149,756	$ 83,844	8172	107
2042	51	54	43	198	404	236	4	8	2	293	598	349	4	8	2	13445	161	245859	22	9	36	5217	53	95085	$ 150,774	$ 81,876	8228	108
2043	51	54	43	199	407	237	4	8	2	295	602	351	4	8	2	13536	162	247531	22	9	36	5253	53	95731	$ 151,800	$ 79,954	8284	109
2044	51	54	43	201	409	239	4	8	2	297	606	354	4	8	2	13628	163	249214	22	9	36	5288	53	96382	$ 152,832	$ 78,077	8340	110
2045	51	54	43	202	412	240	4	8	2	299	610	356	4	8	2	13721	164	250909	22	9	36	5324	54	97038	$ 153,871	$ 76,244	8397	110
2046	51	54	43	203	415	242	4	8	2	301	614	358	4	8	2	13814	165	252615	22	9	36	5360	54	97697	$ 154,918	$ 74,455	8454	111
2047	51	54	43	205	418	244	4	8	2	303	618	361	4	8	2	13908	166	254333	22	9	36	5397	54	98362	$ 155,971	$ 72,707	8511	112
2048	51	54	43	206	421	245	4	8	2	305	623	363	4	8	2	14003	168	256062	22	9	36	5434	55	99031	$ 157,032	$ 71,001	8569	113
2049	51	54	43	208	424	247	4	8	2	307	627	366	4	8	2	14098	169	257803	22	9	36	5471	55	99704	$ 158,099	$ 69,334	8628	113
2050	51	54	43	209	426	249	4	9	2	309	631	368	4	9	2	14194	170	259557	22	9	36	5508	56	100382	$ 159,174	$ 67,707	8686	114
2051	51	54	43	210	429	250	4	9	3	311	635	371	4	9	3	14291	171	261322	22	9	36	5545	56	101065	$ 160,257	$ 66,117	8745	115
2052	50.7	54.1	42.6	211.8	432.3	252.2	4.3	8.6	2.5	313.5	639.8	373.2	4.3	8.6	2.5	14387.7	172.1	263098.5	22.0	8.6	35.8	5582.9	56.3	101751.9	161346.6	64565.4	8804.8	115.8
Total																									**$ 3,275,103.94**	**$ 1,816,272.05**		

Franklin 228 SB-PM

Growth Rate	0.68%
Build % Reduction in Delay	
Left	9%
Through	-13%
Right	-49%

	No- Build																		Build									
Year	Delay			Passenger Vehicle Count (VpH)			Commercial Vehicle Count (VpH)			Total Passenger Vehicle Persons (PpH)			Total Commercial Vehicle Persons (PpH)			Total Passenger Annual Hours Delayed	Total Commercial Annual Hours Delayed	Total Time Value of Delay	Delay			Total Annual Passenger Hours Delayed	Total Commercial Hours Delayed	Total Time Value of Delay	Difference in Cost	Discounted Cost Savings	Passenger Hours Saved	Commercial Hours Saved
	L	T	R	L	T	R	L	T	R	L	T	R	L	T	R				L	T	R							
2022																												
2023																												
2024																												
2025	56	69	26	74	165	75	2	0	0	109	244	111	2	0	0	5572	18	100325	56	69	26	5572	18	100325	$ -	$ -	0	0
2026	56	69	26	74	166	76	2	0	0	110	246	112	2	0	0	5610	18	101007	56	69	26	5610	18	101007	$ -	$ -	0	0
2027	56	69	26	75	167	76	2	0	0	110	248	113	2	0	0	5648	18	101694	56	69	26	5648	18	101694	$ -	$ -	0	0
2028	56	69	26	75	168	77	2	0	0	111	249	113	2	0	0	5686	19	102385	59	72	28	5971	19	107504	$ (5,119)	$ (4,262)	-284	-1
2029	56	69	26	76	170	77	2	0	0	112	251	114	2	0	0	5725	19	103081	59	72	28	6011	20	108235	$ (5,154)	$ (4,162)	-286	-1
2030	56	69	26	76	171	78	2	0	0	113	253	115	2	0	0	5764	19	103782	59	72	28	6052	20	108971	$ (5,189)	$ (4,065)	-288	-1
2031	56	69	26	77	172	78	2	0	0	113	254	116	2	0	0	5803	19	104488	51	77	39	6485	17	116647	$ (12,159)	$ (9,238)	-682	2
2032	56	69	26	77	173	79	2	0	0	114	256	116	2	0	0	5843	19	105199	51	77	39	6530	17	117440	$ (12,242)	$ (9,021)	-687	2
2033	56	69	26	78	174	79	2	0	0	115	258	117	2	0	0	5882	19	105914	51	77	39	6574	17	118239	$ (12,325)	$ (8,809)	-692	2
2034	56	69	26	78	175	80	2	0	0	116	260	118	2	0	0	5922	19	106634	51	77	39	6619	18	119043	$ (12,409)	$ (8,602)	-696	2
2035	56	69	26	79	177	80	2	0	0	116	261	119	2	0	0	5963	19	107359	51	77	39	6664	18	119852	$ (12,493)	$ (8,400)	-701	2
2036	56	69	26	79	178	81	2	0	0	117	263	120	2	0	0	6003	20	108089	51	77	39	6709	18	120667	$ (12,578)	$ (8,203)	-706	2
2037	56	69	26	80	179	81	2	0	0	118	265	120	2	0	0	6044	20	108824	51	77	39	6755	18	121488	$ (12,663)	$ (8,011)	-711	2
2038	56	69	26	80	180	82	2	0	0	119	267	121	2	0	0	6085	20	109564	51	77	39	6801	18	122314	$ (12,750)	$ (7,823)	-715	2
2039	56	69	26	81	181	82	2	0	0	120	269	122	2	0	0	6127	20	110309	51	77	39	6847	18	123146	$ (12,836)	$ (7,639)	-720	2
2040	56	69	26	81	183	83	2	0	0	120	270	123	2	0	0	6168	20	111059	51	77	39	6893	18	123983	$ (12,924)	$ (7,460)	-725	2
2041	56	69	26	82	184	84	2	0	0	121	272	124	2	0	0	6210	20	111815	51	77	39	6940	18	124826	$ (13,011)	$ (7,285)	-730	2
2042	56	69	26	82	185	84	2	0	0	122	274	125	2	0	0	6252	20	112575	51	77	39	6987	19	125675	$ (13,100)	$ (7,114)	-735	2
2043	56	69	26	83	186	85	2	0	0	123	276	125	2	0	0	6295	20	113340	51	77	39	7035	19	126529	$ (13,189)	$ (6,947)	-740	2
2044	56	69	26	84	188	85	2	0	0	124	278	126	2	0	0	6338	21	114111	51	77	39	7083	19	127390	$ (13,279)	$ (6,784)	-745	2
2045	56	69	26	84	189	86	2	0	0	125	280	127	2	0	0	6381	21	114887	51	77	39	7131	19	128256	$ (13,369)	$ (6,624)	-750	2
2046	56	69	26	85	190	86	2	0	0	125	282	128	2	0	0	6424	21	115668	51	77	39	7179	19	129128	$ (13,460)	$ (6,469)	-755	2
2047	56	69	26	85	192	87	2	0	0	126	283	129	2	0	0	6468	21	116455	51	77	39	7228	19	130006	$ (13,551)	$ (6,317)	-760	2
2048	56	69	26	86	193	88	2	0	0	127	285	130	2	0	0	6512	21	117247	51	77	39	7277	19	130890	$ (13,644)	$ (6,169)	-766	2
2049	56	69	26	86	194	88	2	0	0	128	287	131	2	0	0	6556	21	118044	51	77	39	7327	19	131780	$ (13,736)	$ (6,024)	-771	2
2050	56	69	26	87	195	89	2	0	0	129	289	131	2	0	0	6601	21	118847	51	77	39	7377	20	132677	$ (13,830)	$ (5,883)	-776	2
2051	56	69	26	88	197	89	2	0	0	130	291	132	2	0	0	6646	22	119655	51	77	39	7427	20	133579	$ (13,924)	$ (5,745)	-781	2
2052	55.8	68.5	26.3	88.3	198.1	90.1	1.8	0.0	0.0	130.6	293.2	133.3	1.8	0.0	0.0	6690.8	21.8	120468.6	50.9	77.2	39.2	7477.4	19.9	134487.1	-14018.5	-5609.7	-786.6	1.9
Total																									**$ (302,951.25)**	**$ (172,664.66)**		

Franklin 228 EB-PM

Growth Rate	0.68%
Build % Reduction in Delay	
Left	28%
Through	84%
Right	99%

	No- Build																		Build										
Year	Delay			Passenger Vehicle Count (VpH)			Commercial Vehicle Count (VpH)			Total Passenger Vehicle Persons (PpH)			Total Commercial Vehicle Persons (PpH)			Total Passenger Annual Hours Delayed	Total Commercial Annual Hours Delayed	Total Time Value of Delay	Delay			Total Annual Passenger Hours Delayed	Total Commercial Hours Delayed	Total Time Value of Delay	Difference in Cost	Discounted Cost Savings	Passenger Hours Saved	Commercial Hours Saved
	L	T	R	L	T	R	L	T	R	L	T	R	L	T	R				L	T	R							
2022																													
2023																													
2024																													
2025	72	78	15	312	1205	75	3	25	0	462	1784	111	3	25	0	37766	465	691048	72	78	15	37766	465	691048	$ -	$ -	0	0
2026	72	78	15	314	1214	76	3	25	0	465	1796	112	3	25	0	38023	469	695747	72	78	15	38023	469	695747	$ -	$ -	0	0
2027	72	78	15	316	1222	76	3	25	0	468	1808	113	3	25	0	38281	472	700478	72	78	15	38281	472	700478	$ -	$ -	0	0
2028	72	78	15	318	1230	77	3	25	0	471	1821	113	3	25	0	38542	475	705241	76	82	16	40469	499	740503	$ (35,262)	$ (29,360)	-1927	-24
2029	72	78	15	320	1239	77	3	25	0	474	1833	114	3	25	0	38804	478	710037	76	82	16	40744	502	745539	$ (35,502)	$ (28,671)	-1940	-24
2030	72	78	15	323	1247	78	3	25	0	477	1845	115	3	25	0	39068	482	714865	76	82	16	41021	506	750608	$ (35,743)	$ (27,998)	-1953	-24
2031	72	78	15	325	1255	78	3	26	0	481	1858	116	3	26	0	39333	485	719726	52	13	0	10553	108	192381	$ 527,345	$ 400,651	28780	377
2032	72	78	15	327	1264	79	3	26	0	484	1871	116	3	26	0	39601	488	724620	52	13	0	10625	109	193690	$ 530,931	$ 391,247	28976	379
2033	72	78	15	329	1273	79	3	26	0	487	1883	117	3	26	0	39870	491	729548	52	13	0	10697	109	195007	$ 534,541	$ 382,064	29173	382
2034	72	78	15	331	1281	80	3	26	0	491	1896	118	3	26	0	40141	495	734509	52	13	0	10770	110	196333	$ 538,176	$ 373,096	29372	385
2035	72	78	15	334	1290	80	3	26	0	494	1909	119	3	26	0	40414	498	739503	52	13	0	10843	111	197668	$ 541,836	$ 364,338	29571	387
2036	72	78	15	336	1299	81	3	27	0	497	1922	120	3	27	0	40689	502	744532	52	13	0	10917	112	199012	$ 545,520	$ 355,786	29772	390
2037	72	78	15	338	1308	81	3	27	0	501	1935	120	3	27	0	40966	505	749595	52	13	0	10991	112	200365	$ 549,230	$ 347,435	29975	393
2038	72	78	15	341	1316	82	3	27	0	504	1948	121	3	27	0	41244	508	754692	52	13	0	11066	113	201728	$ 552,964	$ 339,280	30179	395
2039	72	78	15	343	1325	82	3	27	0	507	1962	122	3	27	0	41525	512	759824	52	13	0	11141	114	203099	$ 556,725	$ 331,317	30384	398
2040	72	78	15	345	1334	83	3	27	0	511	1975	123	3	27	0	41807	515	764991	52	13	0	11217	115	204480	$ 560,510	$ 323,540	30591	401
2041	72	78	15	348	1343	84	4	27	0	514	1988	124	4	27	0	42091	519	770193	52	13	0	11293	115	205871	$ 564,322	$ 315,945	30799	403
2042	72	78	15	350	1353	84	4	28	0	518	2002	125	4	28	0	42378	522	775430	52	13	0	11370	116	207271	$ 568,159	$ 308,529	31008	406
2043	72	78	15	352	1362	85	4	28	0	521	2015	125	4	28	0	42666	526	780703	52	13	0	11447	117	208680	$ 572,023	$ 301,288	31219	409
2044	72	78	15	355	1371	85	4	28	0	525	2029	126	4	28	0	42956	529	786012	52	13	0	11525	118	210099	$ 575,912	$ 294,216	31431	412
2045	72	78	15	357	1380	86	4	28	0	529	2043	127	4	28	0	43248	533	791357	52	13	0	11603	119	211528	$ 579,829	$ 287,310	31645	414
2046	72	78	15	360	1390	86	4	28	0	532	2057	128	4	28	0	43542	537	796738	52	13	0	11682	119	212966	$ 583,771	$ 280,566	31860	417
2047	72	78	15	362	1399	87	4	29	0	536	2071	129	4	29	0	43838	540	802156	52	13	0	11762	120	214415	$ 587,741	$ 273,980	32077	420
2048	72	78	15	364	1409	88	4	29	0	539	2085	130	4	29	0	44136	544	807610	52	13	0	11841	121	215873	$ 591,738	$ 267,549	32295	423
2049	72	78	15	367	1418	88	4	29	0	543	2099	131	4	29	0	44436	548	813102	52	13	0	11922	122	217341	$ 595,762	$ 261,269	32514	426
2050	72	78	15	369	1428	89	4	29	0	547	2113	131	4	29	0	44739	551	818631	52	13	0	12003	123	218818	$ 599,813	$ 255,137	32735	429
2051	72	78	15	372	1438	89	4	29	0	550	2128	132	4	29	0	45043	555	824198	52	13	0	12085	124	220306	$ 603,891	$ 249,148	32958	432
2052	72.1	78.1	15.3	374.5	1447.4	90.1	3.8	29.5	0.0	554.2	2142.2	133.3	3.8	29.5	0.0	45349.1	558.9	829802.4	51.8	12.8	0.2	12166.9	124.4	221804.5	607997.9	243300.0	33182.2	434.6
Total																									**$ 12,362,228.36**	**$ 6,860,963.88**		

Franklin 228 WB-PM

Growth Rate	0.68%
Build % Reduction in Delay	
Left	18%
Through	57%
Right	74%

	No- Build																		Build									
Year	Delay			Passenger Vehicle Count (VpH)			Commercial Vehicle Count (VpH)			Total Passenger Vehicle Persons (PpH)			Total Commercial Vehicle Persons (PpH)			Total Passenger Annual Hours Delayed	Total Commercial Annual Hours Delayed	Total Time Value of Delay	Delay			Total Annual Passenger Hours Delayed	Total Commercial Hours Delayed	Total Time Value of Delay	Difference in Cost	Discounted Cost Savings	Passenger Hours Saved	Commercial Hours Saved
	L	T	R	L	T	R	L	T	R	L	T	R	L	T	R				L	T	R							
2022																												
2023																												
2024																												
2025	79	84	84	167	1150	80	3	35	0	247	1702	118	3	35	0	37330	686	690364	79	84	84	37330	686	690364	$ -	$ -	0	0
2026	79	84	84	168	1158	81	3	35	0	248	1714	119	3	35	0	37584	690	695059	79	84	84	37584	690	695059	$ -	$ -	0	0
2027	79	84	84	169	1166	81	3	35	0	250	1725	120	3	35	0	37840	695	699785	79	84	84	37840	695	699785	$ -	$ -	0	0
2028	79	84	84	170	1174	82	3	35	0	252	1737	121	3	35	0	38097	700	704544	83	88	88	40002	735	739771	$ (35,227)	$ (29,331)	-1905	-35
2029	79	84	84	171	1182	82	3	35	0	253	1749	122	3	35	0	38356	705	709335	83	88	88	40274	740	744801	$ (35,467)	$ (28,642)	-1918	-35
2030	79	84	84	172	1190	83	4	36	0	255	1761	122	4	36	0	38617	709	714158	83	88	88	40548	745	749866	$ (35,708)	$ (27,970)	-1931	-35
2031	79	84	84	174	1198	83	4	36	0	257	1773	123	4	36	0	38880	714	719014	65	36	22	18146	333	335566	$ 383,448	$ 291,326	20733	381
2032	79	84	84	175	1206	84	4	36	0	259	1785	124	4	36	0	39144	719	723904	65	36	22	18269	335	337848	$ 386,056	$ 284,488	20874	384
2033	79	84	84	176	1214	84	4	36	0	260	1797	125	4	36	0	39410	724	728826	65	36	22	18394	337	340145	$ 388,681	$ 277,810	21016	387
2034	79	84	84	177	1222	85	4	37	0	262	1809	126	4	37	0	39678	729	733782	65	36	22	18519	340	342458	$ 391,324	$ 271,289	21159	389
2035	79	84	84	178	1231	86	4	37	0	264	1821	127	4	37	0	39948	734	738772	65	36	22	18645	342	344787	$ 393,985	$ 264,921	21303	392
2036	79	84	84	179	1239	86	4	37	0	266	1834	128	4	37	0	40220	739	743796	65	36	22	18771	344	347132	$ 396,664	$ 258,703	21448	395
2037	79	84	84	181	1247	87	4	37	0	267	1846	128	4	37	0	40493	744	748853	65	36	22	18899	347	349492	$ 399,361	$ 252,631	21594	397
2038	79	84	84	182	1256	87	4	38	0	269	1859	129	4	38	0	40768	749	753946	65	36	22	19028	349	351869	$ 402,077	$ 246,701	21741	400
2039	79	84	84	183	1264	88	4	38	0	271	1871	130	4	38	0	41046	754	759073	65	36	22	19157	351	354261	$ 404,811	$ 240,910	21889	403
2040	79	84	84	184	1273	89	4	38	0	273	1884	131	4	38	0	41325	759	764234	65	36	22	19287	354	356670	$ 407,564	$ 235,255	22037	405
2041	79	84	84	186	1282	89	4	38	0	275	1897	132	4	38	0	41606	764	769431	65	36	22	19418	356	359096	$ 410,335	$ 229,733	22187	408
2042	79	84	84	187	1290	90	4	39	0	277	1910	133	4	39	0	41889	770	774663	65	36	22	19550	359	361538	$ 413,126	$ 224,341	22338	411
2043	79	84	84	188	1299	90	4	39	0	279	1923	134	4	39	0	42173	775	779931	65	36	22	19683	361	363996	$ 415,935	$ 219,075	22490	414
2044	79	84	84	189	1308	91	4	39	0	280	1936	135	4	39	0	42460	780	785234	65	36	22	19817	364	366471	$ 418,763	$ 213,933	22643	417
2045	79	84	84	191	1317	92	4	40	0	282	1949	136	4	40	0	42749	785	790574	65	36	22	19952	366	368963	$ 421,611	$ 208,912	22797	419
2046	79	84	84	192	1326	92	4	40	0	284	1962	137	4	40	0	43040	791	795950	65	36	22	20088	368	371472	$ 424,478	$ 204,008	22952	422
2047	79	84	84	193	1335	93	4	40	0	286	1976	137	4	40	0	43332	796	801362	65	36	22	20224	371	373998	$ 427,364	$ 199,219	23108	425
2048	79	84	84	195	1344	93	4	40	0	288	1989	138	4	40	0	43627	801	806812	65	36	22	20362	374	376541	$ 430,270	$ 194,543	23265	428
2049	79	84	84	196	1353	94	4	41	0	290	2003	139	4	41	0	43924	807	812298	65	36	22	20500	376	379102	$ 433,196	$ 189,977	23423	431
2050	79	84	84	197	1362	95	4	41	0	292	2016	140	4	41	0	44222	812	817822	65	36	22	20640	379	381680	$ 436,142	$ 185,518	23583	434
2051	79	84	84	199	1372	95	4	41	0	294	2030	141	4	41	0	44523	818	823383	65	36	22	20780	381	384275	$ 439,108	$ 181,163	23743	437
2052	78.6	84.0	84.0	200.1	1380.9	96.1	4.1	41.4	0.0	296.1	2043.7	142.2	4.1	41.4	0.0	44825.8	823.5	828981.7	64.5	36.4	21.6	20921.3	383.8	386888.2	442093.5	176910.7	23904.5	439.7
Total																									**$ 8,959,990.67**	**$ 4,965,423.57**		

Franklin 228 NB AM

Growth Rate	0.68%
Build % Reduction in Delay	
Left	27%
Through	18%
Right	16%

	No- Build																		Build										
Year	Delay			Passenger Vehicle Count (VpH)			Commercial Vehicle Count (VpH)			Total Passenger Persons			Total Commercial Persons			Total Passenger Annual Hours Delayed	Total Commercial Annual Hours Delayed	Total Time Value of Delay	Delay			Total Annual Passenger Hours Delayed	Total Commercial Hours Delayed	Total Time Value of Delay	Difference in Cost	Discounted Cost Savings	Passenger Hours Saved	Commercial Hours Saved
	L	T	R	L	T	R	L	T	R	L	T	R	L	T	R				L	T	R							
2022																													
2023																													
2024																													
2025	118	48	32	115	132	73	10	8	12	170	195	108	10	8	12	7129	426	141382	118	48	32	7129	426	141382		$ -	0	0
2026	118	48	32	116	132	74	10	8	12	171	196	109	10	8	12	7178	429	142343	118	48	32	7178	429	142343		$ -	0	0
2027	118	48	32	117	133	74	10	9	12	173	197	110	10	9	12	7227	432	143311	118	48	32	7227	432	143311		$ -	0	0
2028	118	48	32	117	134	75	10	9	12	174	199	110	10	9	12	7276	435	144285	124	50	34	7640	457	151500		$ -	-364	-22
2029	118	48	32	118	135	75	10	9	12	175	200	111	10	9	12	7325	438	145267	124	50	34	7692	460	152530	$ (7,263)	$ (5,866)	-366	-22
2030	118	48	32	119	136	76	10	9	12	176	201	112	10	9	12	7375	441	146254	124	50	34	7744	463	153567	$ (7,313)	$ (5,728)	-369	-22
2031	118	48	32	120	137	76	10	9	12	177	203	113	10	9	12	7425	444	147249	86	39	27	5691	341	112892	$ 34,357	$ 26,102	1735	102
2032	118	48	32	121	138	77	10	9	12	178	204	113	10	9	12	7476	447	148250	86	39	27	5729	344	113660	$ 34,590	$ 25,490	1746	103
2033	118	48	32	121	139	77	11	9	13	180	206	114	11	9	13	7527	450	149258	86	39	27	5768	346	114433	$ 34,825	$ 24,891	1758	104
2034	118	48	32	122	140	78	11	9	13	181	207	115	11	9	13	7578	453	150273	86	39	27	5808	348	115211	$ 35,062	$ 24,307	1770	105
2035	118	48	32	123	141	78	11	9	13	182	208	116	11	9	13	7629	456	151295	86	39	27	5847	351	115994	$ 35,301	$ 23,737	1782	105
2036	118	48	32	124	142	79	11	9	13	183	210	117	11	9	13	7681	459	152324	86	39	27	5887	353	116783	$ 35,541	$ 23,179	1794	106
2037	118	48	32	125	143	79	11	9	13	185	211	117	11	9	13	7733	462	153360	86	39	27	5927	356	117577	$ 35,782	$ 22,635	1806	107
2038	118	48	32	126	144	80	11	9	13	186	213	118	11	9	13	7786	465	154403	86	39	27	5967	358	118377	$ 36,026	$ 22,104	1819	107
2039	118	48	32	126	145	80	11	9	13	187	214	119	11	9	13	7839	469	155452	86	39	27	6008	360	119182	$ 36,271	$ 21,585	1831	108
2040	118	48	32	127	146	81	11	9	13	188	216	120	11	9	13	7892	472	156510	86	39	27	6049	363	119992	$ 36,517	$ 21,079	1844	109
2041	118	48	32	128	147	81	11	9	13	190	217	121	11	9	13	7946	475	157574	86	39	27	6090	365	120808	$ 36,766	$ 20,584	1856	110
2042	118	48	32	129	148	82	11	9	13	191	219	121	11	9	13	8000	478	158645	86	39	27	6131	368	121630	$ 37,016	$ 20,101	1869	110
2043	118	48	32	130	149	83	11	9	13	192	220	122	11	9	13	8054	481	159724	86	39	27	6173	370	122457	$ 37,267	$ 19,629	1881	111
2044	118	48	32	131	150	83	11	10	14	194	222	123	11	10	14	8109	485	160810	86	39	27	6215	373	123290	$ 37,521	$ 19,168	1894	112
2045	118	48	32	132	151	84	11	10	14	195	223	124	11	10	14	8164	488	161904	86	39	27	6257	375	124128	$ 37,776	$ 18,718	1907	113
2046	118	48	32	133	152	84	12	10	14	196	225	125	12	10	14	8220	491	163005	86	39	27	6300	378	124972	$ 38,033	$ 18,279	1920	113
2047	118	48	32	133	153	85	12	10	14	198	226	126	12	10	14	8276	495	164113	86	39	27	6343	381	125822	$ 38,291	$ 17,850	1933	114
2048	118	48	32	134	154	85	12	10	14	199	228	126	12	10	14	8332	498	165229	86	39	27	6386	383	126677	$ 38,552	$ 17,431	1946	115
2049	118	48	32	135	155	86	12	10	14	200	229	127	12	10	14	8389	501	166353	86	39	27	6429	386	127539	$ 38,814	$ 17,022	1960	116
2050	118	48	32	136	156	87	12	10	14	202	231	128	12	10	14	8446	505	167484	86	39	27	6473	388	128406	$ 39,078	$ 16,622	1973	117
2051	118	48	32	137	157	87	12	10	14	203	232	129	12	10	14	8503	508	168623	86	39	27	6517	391	129279	$ 39,344	$ 16,232	1986	117
2052	118.1	47.8	32.3	138.1	158.0	87.8	12.0	10.1	14.3	204.4	233.9	129.9	12.0	10.1	14.3	8560.9	511.7	169769.3	86.2	39.1	27.1	6561.1	393.6	130158.3	39611.1	15851.0	1999.8	118.1
Total																									**$ 797,762.06**	**$ 441,002.70**		

Franklin 228 SB AM

Growth Rate	0.68%
Build % Reduction in Delay	
Left	27%
Through	18%
Right	16%

	No- Build																		Build									
Year	Delay			Passenger Vehicle Count (VpH)			Commercial Vehicle Count (VpH)			Total Passenger Persons			Total Commercial Persons			Total Passenger Annual Hours Delayed	Total Commercial Annual Hours Delayed	Total Time Value of Delay	Delay			Total Annual Passenger Hours Delayed	Total Commercial Hours Delayed	Total Time Value of Delay	Difference in Cost	Discounted Cost Savings	Passenger Hours Saved	Commercial Hours Saved
	L	T	R	L	T	R	L	T	R	L	T	R	L	T	R				L	T	R							
2022																												
2023																												
2024																												
2025	38	126	24	71	347	73	5	18	2	104	513	108	5	18	2	15454	548	294313	38	126	24	15454	548	294313	$ -	$ -	0	0
2026	38	126	24	71	349	73	5	18	2	105	517	108	5	18	2	15559	551	296314	38	126	24	15559	551	296314	$ -	$ -	0	0
2027	38	126	24	71	351	74	5	18	2	106	520	109	5	18	2	15665	555	298329	38	126	24	15665	555	298329	$ -	$ -	0	0
2028	38	126	24	72	354	74	5	19	2	106	524	110	5	19	2	15771	559	300358	40	133	26	16560	587	315376	$ (15,018)	$ (12,504)	-789	-28
2029	38	126	24	72	356	75	5	19	2	107	527	111	5	19	2	15878	563	302400	40	133	26	16672	591	317521	$ (15,120)	$ (12,211)	-794	-28
2030	38	126	24	73	359	75	5	19	2	108	531	111	5	19	2	15986	567	304457	40	133	26	16786	595	319680	$ (15,223)	$ (11,924)	-799	-28
2031	38	126	24	73	361	76	5	19	2	109	534	112	5	19	2	16095	570	306527	28	103	20	13100	463	249459	$ 57,068	$ 43,357	2995	107
2032	38	126	24	74	364	76	5	19	2	109	538	113	5	19	2	16205	574	308612	28	103	20	13189	467	251156	$ 57,456	$ 42,340	3016	108
2033	38	126	24	74	366	77	5	19	2	110	542	114	5	19	2	16315	578	310710	28	103	20	13279	470	252863	$ 57,847	$ 41,346	3036	108
2034	38	126	24	75	369	77	5	19	2	111	545	114	5	19	2	16426	582	312823	28	103	20	13369	473	254583	$ 58,240	$ 40,375	3057	109
2035	38	126	24	75	371	78	5	20	2	112	549	115	5	20	2	16537	586	314950	28	103	20	13460	476	256314	$ 58,636	$ 39,428	3078	110
2036	38	126	24	76	374	78	5	20	2	112	553	116	5	20	2	16650	590	317092	28	103	20	13551	479	258057	$ 59,035	$ 38,502	3098	111
2037	38	126	24	76	376	79	5	20	2	113	557	117	5	20	2	16763	594	319248	28	103	20	13644	483	259812	$ 59,436	$ 37,599	3119	111
2038	38	126	24	77	379	79	5	20	2	114	560	118	5	20	2	16877	598	321419	28	103	20	13736	486	261579	$ 59,840	$ 36,716	3141	112
2039	38	126	24	78	381	80	5	20	2	115	564	118	5	20	2	16992	602	323605	28	103	20	13830	489	263357	$ 60,247	$ 35,854	3162	113
2040	38	126	24	78	384	81	5	20	2	116	568	119	5	20	2	17107	606	325805	28	103	20	13924	493	265148	$ 60,657	$ 35,013	3184	114
2041	38	126	24	79	386	81	5	20	3	116	572	120	5	20	3	17224	610	328020	28	103	20	14019	496	266951	$ 61,069	$ 34,191	3205	114
2042	38	126	24	79	389	82	5	20	3	117	576	121	5	20	3	17341	615	330251	28	103	20	14114	499	268766	$ 61,485	$ 33,388	3227	115
2043	38	126	24	80	392	82	5	21	3	118	580	122	5	21	3	17459	619	332497	28	103	20	14210	503	270594	$ 61,903	$ 32,605	3249	116
2044	38	126	24	80	394	83	5	21	3	119	584	122	5	21	3	17577	623	334758	28	103	20	14306	506	272434	$ 62,324	$ 31,839	3271	117
2045	38	126	24	81	397	83	5	21	3	119	588	123	5	21	3	17697	627	337034	28	103	20	14404	510	274287	$ 62,747	$ 31,092	3293	118
2046	38	126	24	81	400	84	5	21	3	120	592	124	5	21	3	17817	631	339326	28	103	20	14502	513	276152	$ 63,174	$ 30,362	3316	118
2047	38	126	24	82	403	84	5	21	3	121	596	125	5	21	3	17939	636	341633	28	103	20	14600	517	278030	$ 63,604	$ 29,649	3338	119
2048	38	126	24	82	405	85	5	21	3	122	600	126	5	21	3	18060	640	343956	28	103	20	14700	520	279920	$ 64,036	$ 28,953	3361	120
2049	38	126	24	83	408	86	5	21	3	123	604	127	5	21	3	18183	644	346295	28	103	20	14800	524	281824	$ 64,472	$ 28,274	3384	121
2050	38	126	24	84	411	86	5	22	3	124	608	128	5	22	3	18307	649	348650	28	103	20	14900	527	283740	$ 64,910	$ 27,610	3407	122
2051	38	126	24	84	414	87	5	22	3	124	612	128	5	22	3	18431	653	351021	28	103	20	15001	531	285669	$ 65,352	$ 26,962	3430	122
2052	37.7	126.2	24.4	84.7	416.4	87.4	5.4	21.9	2.7	125.3	616.2	129.3	5.4	21.9	2.7	18556.8	657.6	353407.9	27.5	103.2	20.5	15103.5	534.4	287612.0	65795.9	26329.3	3453.3	123.3
Total																									**$ 1,303,972.30**	**$ 715,145.77**		

228 EB Franklin Road AM

Growth Rate 0.68%

Build % Reduction in Delay
Left -43%
Through -21%
Right -64%

	No- Build																		Build										
Year	Delay			Passenger Vehicle Count (VpH)			Commercial Vehicle Count (VpH)			Total Passenger Persons			Total Commercial Persons			Total Passenger Annual Hours Delayed	Total Commercial Annual Hours Delayed	Total Time Value of Delay	Delay			Total Annual Passenger Hours Delayed	Total Commercial Hours Delayed	Total Time Value of Delay	Difference in Cost	Discounted Cost Savings	Passenger Hours Saved	Commercial Hours Saved
	L	T	R	L	T	R	L	T	R	L	T	R	L	T	R				L	T	R							
2022																													
2023																													
2024																													
2025	41	25	8	93	743	60	7	92	5	138	1100	89	7	92	5	7264	562	148167	41	25	8	7264	562	148167	$ -	$ -	0	0
2026	41	25	8	94	748	61	7	92	5	139	1107	90	7	92	5	7313	565	149174	41	25	8	7313	565	149174	$ -	$ -	0	0
2027	41	25	8	94	753	61	7	93	5	140	1115	91	7	93	5	7363	569	150188	41	25	8	7363	569	150188	$ -	$ -	0	0
2028	41	25	8	95	758	62	7	94	5	140	1122	91	7	94	5	7413	573	151210	43	26	8	7784	602	158770	$ (7,560)	$ (6,295)	-371	-29
2029	41	25	8	96	764	62	7	94	5	141	1130	92	7	94	5	7464	577	152238	43	26	8	7837	606	159850	$ (7,612)	$ (6,147)	-373	-29
2030	41	25	8	96	769	63	7	95	5	142	1138	93	7	95	5	7514	581	153273	43	26	8	7890	610	160937	$ (7,664)	$ (6,003)	-376	-29
2031	41	25	8	97	774	63	7	96	5	143	1146	93	7	96	5	7565	585	154315	59	30	13	9480	724	193064	$ (38,749)	$ (29,439)	-1914	-139
2032	41	25	8	98	779	63	7	96	5	144	1153	94	7	96	5	7617	589	155365	59	30	13	9544	729	194377	$ (39,012)	$ (28,748)	-1927	-140
2033	41	25	8	98	785	64	7	97	5	145	1161	94	7	97	5	7669	593	156421	59	30	13	9609	734	195699	$ (39,278)	$ (28,074)	-1941	-141
2034	41	25	8	99	790	64	7	98	5	146	1169	95	7	98	5	7721	597	157485	59	30	13	9675	738	197030	$ (39,545)	$ (27,415)	-1954	-142
2035	41	25	8	100	795	65	7	98	5	147	1177	96	7	98	5	7773	601	158556	59	30	13	9740	744	198369	$ (39,814)	$ (26,771)	-1967	-143
2036	41	25	8	100	801	65	8	99	5	148	1185	96	8	99	5	7826	605	159634	59	30	13	9807	749	199718	$ (40,084)	$ (26,143)	-1980	-143
2037	41	25	8	101	806	66	8	100	5	149	1193	97	8	100	5	7879	609	160720	59	30	13	9873	754	201076	$ (40,357)	$ (25,529)	-1994	-144
2038	41	25	8	102	812	66	8	100	5	150	1201	98	8	100	5	7933	613	161812	59	30	13	9940	759	202444	$ (40,631)	$ (24,930)	-2007	-145
2039	41	25	8	102	817	66	8	101	5	151	1209	98	8	101	5	7987	618	162913	59	30	13	10008	764	203820	$ (40,908)	$ (24,345)	-2021	-146
2040	41	25	8	103	823	67	8	102	5	152	1218	99	8	102	5	8041	622	164021	59	30	13	10076	769	205206	$ (41,186)	$ (23,773)	-2035	-147
2041	41	25	8	104	828	67	8	102	5	153	1226	100	8	102	5	8096	626	165136	59	30	13	10145	774	206602	$ (41,466)	$ (23,215)	-2049	-148
2042	41	25	8	104	834	68	8	103	5	154	1234	100	8	103	5	8151	630	166259	59	30	13	10214	780	208007	$ (41,748)	$ (22,670)	-2063	-149
2043	41	25	8	105	840	68	8	104	5	155	1243	101	8	104	5	8206	634	167389	59	30	13	10283	785	209421	$ (42,032)	$ (22,138)	-2077	-150
2044	41	25	8	106	845	69	8	104	5	157	1251	102	8	104	5	8262	639	168528	59	30	13	10353	790	210845	$ (42,317)	$ (21,619)	-2091	-151
2045	41	25	8	106	851	69	8	105	5	158	1260	102	8	105	5	8318	643	169674	59	30	13	10423	796	212279	$ (42,605)	$ (21,111)	-2105	-153
2046	41	25	8	107	857	70	8	106	5	159	1268	103	8	106	5	8375	648	170827	59	30	13	10494	801	213722	$ (42,895)	$ (20,616)	-2119	-154
2047	41	25	8	108	863	70	8	107	5	160	1277	104	8	107	5	8432	652	171989	59	30	13	10566	807	215176	$ (43,187)	$ (20,132)	-2134	-155
2048	41	25	8	109	869	71	8	107	5	161	1285	105	8	107	5	8489	656	173159	59	30	13	10638	812	216639	$ (43,480)	$ (19,659)	-2148	-156
2049	41	25	8	109	874	71	8	108	5	162	1294	105	8	108	5	8547	661	174336	59	30	13	10710	818	218112	$ (43,776)	$ (19,198)	-2163	-157
2050	41	25	8	110	880	72	8	109	5	163	1303	106	8	109	5	8605	665	175522	59	30	13	10783	823	219595	$ (44,074)	$ (18,747)	-2178	-158
2051	41	25	8	111	886	72	8	110	5	164	1312	107	8	110	5	8664	670	176715	59	30	13	10856	829	221088	$ (44,373)	$ (18,307)	-2192	-159
2052	41	25	8	112	892	73	8	110	5	165	1321	107	8	110	5	8723	674	177917	59	30	13	10930	834	222592	$ (44,675)	$ (17,877)	-2207	-160
Total																									**-939027.0**	**-528903.7**		

228 WB Franklin Road AM

Growth Rate	0.68%
Build % Reduction in Delay	
Left	67%
Through	50%
Right	72%

	No- Build																		Build									
Year	Delay			Passenger Vehicle Count (VpH)			Commercial Vehicle Count (VpH)			Total Passenger Persons			Total Commercial Persons			Total Passenger Annual Hours Delayed	Total Commercial Annual Hours Delayed	Total Time Value of Delay	Delay			Total Annual Passenger Hours Delayed	Total Commercial Hours Delayed	Total Time Value of Delay	Difference in Cost	Discounted Cost Savings	Passenger Hours Saved	Commercial Hours Saved
	L	T	R	L	T	R	L	T	R	L	T	R	L	T	R				L	T	R							
2022																												
2023																												
2024																												
2025	185	76	76	274	1250	60	11	80	4	405	1850	89	11	80	4	48081	1832	919841	185	76	76	48081	1832	919841	$ -	$ -	0	0
2026	185	76	76	275	1259	61	11	80	4	408	1863	90	11	80	4	48408	1845	926096	185	76	76	48408	1845	926096	$ -	$ -	0	0
2027	185	76	76	277	1267	61	12	81	4	410	1876	91	12	81	4	48737	1857	932394	185	76	76	48737	1857	932394	$ -	$ -	0	0
2028	185	76	76	279	1276	62	12	81	4	413	1888	91	12	81	4	49069	1870	938734	195	79	79	51522	1964	985671	$ (46,937)	$ (39,081)	-2453	-94
2029	185	76	76	281	1285	62	12	82	4	416	1901	92	12	82	4	49402	1883	945118	195	79	79	51873	1977	992373	$ (47,256)	$ (38,163)	-2470	-94
2030	185	76	76	283	1293	63	12	83	4	419	1914	93	12	83	4	49738	1896	951544	195	79	79	52225	1990	999122	$ (47,577)	$ (37,267)	-2487	-95
2031	185	76	76	285	1302	63	12	83	4	422	1927	93	12	83	4	50077	1908	958015	61	38	21	21926	863	420340	$ 537,674	$ 408,499	28150	1046
2032	185	76	76	287	1311	63	12	84	4	425	1940	94	12	84	4	50417	1921	964529	61	38	21	22075	868	423199	$ 541,331	$ 398,911	28342	1053
2033	185	76	76	289	1320	64	12	84	4	427	1953	94	12	84	4	50760	1934	971088	61	38	21	22225	874	426077	$ 545,012	$ 389,548	28535	1060
2034	185	76	76	291	1329	64	12	85	4	430	1967	95	12	85	4	51105	1948	977692	61	38	21	22377	880	428974	$ 548,718	$ 380,404	28729	1067
2035	185	76	76	293	1338	65	12	85	4	433	1980	96	12	85	4	51453	1961	984340	61	38	21	22529	886	431891	$ 552,449	$ 371,475	28924	1075
2036	185	76	76	295	1347	65	12	86	4	436	1994	96	12	86	4	51803	1974	991033	61	38	21	22682	892	434828	$ 556,206	$ 362,756	29121	1082
2037	185	76	76	297	1356	66	12	87	4	439	2007	97	12	87	4	52155	1988	997772	61	38	21	22836	898	437785	$ 559,988	$ 354,241	29319	1089
2038	185	76	76	299	1365	66	12	87	4	442	2021	98	12	87	4	52509	2001	1004557	61	38	21	22991	904	440761	$ 563,796	$ 345,926	29518	1097
2039	185	76	76	301	1375	66	13	88	4	445	2034	98	13	88	4	52867	2015	1011388	61	38	21	23148	911	443759	$ 567,630	$ 337,806	29719	1104
2040	185	76	76	303	1384	67	13	88	4	448	2048	99	13	88	4	53226	2028	1018266	61	38	21	23305	917	446776	$ 571,489	$ 329,877	29921	1112
2041	185	76	76	305	1393	67	13	89	4	451	2062	100	13	89	4	53588	2042	1025190	61	38	21	23464	923	449814	$ 575,376	$ 322,134	30124	1119
2042	185	76	76	307	1403	68	13	90	4	454	2076	100	13	90	4	53952	2056	1032161	61	38	21	23623	929	452873	$ 579,288	$ 314,573	30329	1127
2043	185	76	76	309	1412	68	13	90	5	457	2090	101	13	90	5	54319	2070	1039180	61	38	21	23784	936	455953	$ 583,227	$ 307,189	30535	1134
2044	185	76	76	311	1422	69	13	91	5	461	2105	102	13	91	5	54689	2084	1046246	61	38	21	23946	942	459053	$ 587,193	$ 299,979	30743	1142
2045	185	76	76	313	1432	69	13	91	5	464	2119	102	13	91	5	55061	2098	1053361	61	38	21	24108	948	462175	$ 591,186	$ 292,937	30952	1150
2046	185	76	76	315	1441	70	13	92	5	467	2133	103	13	92	5	55435	2113	1060524	61	38	21	24272	955	465317	$ 595,206	$ 286,062	31163	1158
2047	185	76	76	318	1451	70	13	93	5	470	2148	104	13	93	5	55812	2127	1067735	61	38	21	24437	961	468482	$ 599,254	$ 279,347	31374	1166
2048	185	76	76	320	1461	71	13	93	5	473	2162	105	13	93	5	56191	2141	1074996	61	38	21	24604	968	471667	$ 603,329	$ 272,790	31588	1174
2049	185	76	76	322	1471	71	13	94	5	476	2177	105	13	94	5	56574	2156	1082306	61	38	21	24771	974	474875	$ 607,431	$ 266,387	31803	1182
2050	185	76	76	324	1481	72	14	95	5	480	2192	106	14	95	5	56958	2171	1089665	61	38	21	24939	981	478104	$ 611,562	$ 260,134	32019	1190
2051	185	76	76	326	1491	72	14	95	5	483	2207	107	14	95	5	57346	2185	1097075	61	38	21	25109	988	481355	$ 615,720	$ 254,028	32237	1198
2052	185.4	75.7	75.7	328.5	1501.2	72.6	13.7	95.8	4.8	486.2	2221.8	107.4	13.7	95.8	4.8	57735.5	2200.3	1104535.3	61.2	38.1	21.1	25279.7	994.5	484628.0	619907.2	248065.7	32455.8	1205.8
Total																									**$ 12,571,200.55**	**$ 6,968,557.46**		

Castle Creek(West) EB - AM

Growth Rate	0.68%
Build % Reduction in Delay	
Left	75%
Through	72%
Right	62%

	No- Build																		Build									
Year	Delay			Passenger Vehicle Count (VpH)			Commercial Vehicle Count (VpH)			Total Passenger Vehicle Persons (PpH)			Total Commercial Vehicle Persons (PpH)			Total Passenger Annual Hours Delayed	Total Commercial Annual Hours Delayed	Total Time Value of Delay	Delay			Total Annual Passenger Hours Delayed	Total Commercial Hours Delayed	Total Time Value of Delay	Difference in Cost	Discounted Cost Savings	Passenger Hours Saved	Commercial Hours Saved
	L	T	R	L	T	R	L	T	R	L	T	R	L	T	R				L	T	R							
2022																												
2023																												
2024																												
2025	32	37	20	40	725	153	5	90	12	59	1074	227	5	90	12	10044	806	205818	32	37	20	10044	806	205818	$ -	$ -	0	0
2026	32	37	20	40	730	154	5	90	12	60	1081	229	5	90	12	10112	811	207217	32	37	20	10112	811	207217	$ -	$ -	0	0
2027	32	37	20	41	735	156	5	91	12	60	1088	230	5	91	12	10181	817	208626	32	37	20	10181	817	208626	$ -	$ -	0	0
2028	32	37	20	41	740	157	5	91	12	60	1096	232	5	91	12	10250	823	210045	34	39	21	10763	864	220547	$ (10,502)	$ (8,744)	-513	-41
2029	32	37	20	41	745	158	5	92	12	61	1103	233	5	92	12	10320	828	211473	34	39	21	10836	870	222047	$ (10,574)	$ (8,539)	-516	-41
2030	32	37	20	41	750	159	5	93	12	61	1111	235	5	93	12	10390	834	212911	34	39	21	10909	875	223557	$ (10,646)	$ (8,339)	-519	-42
2031	32	37	20	42	755	160	5	93	12	62	1118	237	5	93	12	10461	839	214359	8	10	8	2998	237	61337	$ 153,022	$ 116,259	7463	602
2032	32	37	20	42	761	161	5	94	12	62	1126	238	5	94	12	10532	845	215817	8	10	8	3018	239	61754	$ 154,062	$ 113,530	7513	606
2033	32	37	20	42	766	162	5	95	12	63	1133	240	5	95	12	10603	851	217284	8	10	8	3039	241	62174	$ 155,110	$ 110,865	7564	610
2034	32	37	20	43	771	163	5	95	12	63	1141	241	5	95	12	10675	857	218762	8	10	8	3060	242	62597	$ 156,165	$ 108,263	7616	614
2035	32	37	20	43	776	164	5	96	12	63	1149	243	5	96	12	10748	863	220249	8	10	8	3080	244	63023	$ 157,227	$ 105,722	7668	618
2036	32	37	20	43	781	165	5	97	12	64	1157	245	5	97	12	10821	868	221747	8	10	8	3101	246	63451	$ 158,296	$ 103,240	7720	623
2037	32	37	20	43	787	166	5	97	13	64	1164	246	5	97	13	10895	874	223255	8	10	8	3123	247	63883	$ 159,372	$ 100,817	7772	627
2038	32	37	20	44	792	168	5	98	13	65	1172	248	5	98	13	10969	880	224773	8	10	8	3144	249	64317	$ 160,456	$ 98,450	7825	631
2039	32	37	20	44	798	169	5	99	13	65	1180	250	5	99	13	11043	886	226302	8	10	8	3165	251	64754	$ 161,547	$ 96,140	7878	635
2040	32	37	20	44	803	170	5	99	13	66	1188	251	5	99	13	11119	892	227840	8	10	8	3187	252	65195	$ 162,646	$ 93,883	7932	640
2041	32	37	20	45	808	171	6	100	13	66	1196	253	6	100	13	11194	898	229390	8	10	8	3208	254	65638	$ 163,752	$ 91,679	7986	644
2042	32	37	20	45	814	172	6	101	13	67	1205	255	6	101	13	11270	904	230950	8	10	8	3230	256	66084	$ 164,865	$ 89,527	8040	649
2043	32	37	20	45	819	173	6	101	13	67	1213	257	6	101	13	11347	911	232520	8	10	8	3252	258	66534	$ 165,986	$ 87,426	8095	653
2044	32	37	20	46	825	175	6	102	13	67	1221	258	6	102	13	11424	917	234101	8	10	8	3274	259	66986	$ 167,115	$ 85,374	8150	657
2045	32	37	20	46	831	176	6	103	13	68	1229	260	6	103	13	11502	923	235693	8	10	8	3296	261	67442	$ 168,251	$ 83,370	8205	662
2046	32	37	20	46	836	177	6	103	13	68	1238	262	6	103	13	11580	929	237296	8	10	8	3319	263	67900	$ 169,395	$ 81,413	8261	666
2047	32	37	20	46	842	178	6	104	13	69	1246	264	6	104	13	11659	936	238909	8	10	8	3341	265	68362	$ 170,547	$ 79,502	8317	671
2048	32	37	20	47	848	179	6	105	13	69	1255	265	6	105	13	11738	942	240534	8	10	8	3364	266	68827	$ 171,707	$ 77,636	8374	675
2049	32	37	20	47	853	181	6	105	14	70	1263	267	6	105	14	11818	948	242170	8	10	8	3387	268	69295	$ 172,875	$ 75,814	8431	680
2050	32	37	20	47	859	182	6	106	14	70	1272	269	6	106	14	11898	955	243816	8	10	8	3410	270	69766	$ 174,050	$ 74,034	8488	685
2051	32	37	20	48	865	183	6	107	14	71	1280	271	6	107	14	11979	961	245474	8	10	8	3433	272	70240	$ 175,234	$ 72,296	8546	689
2052	32.0	37.1	20.4	48.1	871.0	184.3	5.9	107.7	13.9	71.2	1289.1	272.7	5.9	107.7	13.9	12060.5	967.8	247143.5	8.1	10.3	7.7	3456.6	273.8	70718.1	176425.4	70599.4	8603.8	694.0
Total																									**$ 3,586,385.47**	**$ 1,990,216.62**		

Castle Creek(West) WB - AM

Growth Rate	0.68%
Build % Reduction in Delay	
Left	47%
Through	81%
Right	-100%

	No- Build																		Build									
Year	Delay			Passenger Vehicle Count (VpH)			Commercial Vehicle Count (VpH)			Total Passenger Vehicle Persons (PpH)			Total Commercial Vehicle Persons (PpH)			Total Passenger Annual Hours Delayed	Total Commercial Annual Hours Delayed	Total Time Value of Delay	Delay			Total Annual Passenger Hours Delayed	Total Commercial Hours Delayed	Total Time Value of Delay	Difference in Cost	Discounted Cost Savings	Passenger Hours Saved	Commercial Hours Saved
	L	T	R	L	T	R	L	T	R	L	T	R	L	T	R				L	T	R							
2022																												
2023																												
2024																												
2025	15	87	0	103	1217	0	2	78	0	152	1802	0	2	78	0	34406	1470	663342	15	87	0	34406	1470	663342	$ -	$ -	0	0
2026	15	87	0	104	1226	0	2	78	0	153	1814	0	2	78	0	34640	1480	667852	15	87	0	34640	1480	667852	$ -	$ -	0	0
2027	15	87	0	104	1234	0	2	79	0	154	1826	0	2	79	0	34876	1490	672394	15	87	0	34876	1490	672394	$ -	$ -	0	0
2028	15	87	0	105	1242	0	2	79	0	155	1839	0	2	79	0	35113	1500	676966	15	91	0	36869	1575	710814	$ (33,848)	$ (28,183)	-1756	-75
2029	15	87	0	106	1251	0	2	80	0	156	1851	0	2	80	0	35352	1510	681569	15	91	0	37119	1586	715648	$ (34,078)	$ (27,521)	-1768	-76
2030	15	87	0	106	1259	0	2	80	0	158	1864	0	2	80	0	35592	1520	686204	15	91	0	37372	1596	720514	$ (34,310)	$ (26,875)	-1780	-76
2031	15	87	0	107	1268	0	2	81	0	159	1876	0	2	81	0	35834	1531	690870	8	16	16	6813	286	131198	$ 559,672	$ 425,212	29021	1245
2032	15	87	0	108	1276	0	2	81	0	160	1889	0	2	81	0	36078	1541	695568	8	16	16	6860	288	132090	$ 563,478	$ 415,231	29218	1253
2033	15	87	0	109	1285	0	2	82	0	161	1902	0	2	82	0	36323	1552	700298	8	16	16	6906	290	132989	$ 567,309	$ 405,485	29417	1262
2034	15	87	0	109	1294	0	2	83	0	162	1915	0	2	83	0	36570	1562	705060	8	16	16	6953	292	133893	$ 571,167	$ 395,967	29617	1270
2035	15	87	0	110	1303	0	2	83	0	163	1928	0	2	83	0	36819	1573	709854	8	16	16	7001	294	134804	$ 575,051	$ 386,673	29818	1279
2036	15	87	0	111	1312	0	2	84	0	164	1941	0	2	84	0	37069	1583	714681	8	16	16	7048	296	135720	$ 578,961	$ 377,597	30021	1288
2037	15	87	0	112	1320	0	2	84	0	165	1954	0	2	84	0	37321	1594	719541	8	16	16	7096	298	136643	$ 582,898	$ 368,734	30225	1296
2038	15	87	0	112	1329	0	2	85	0	166	1968	0	2	85	0	37575	1605	724434	8	16	16	7144	300	137572	$ 586,862	$ 360,079	30431	1305
2039	15	87	0	113	1338	0	2	85	0	167	1981	0	2	85	0	37831	1616	729360	8	16	16	7193	302	138508	$ 590,853	$ 351,627	30637	1314
2040	15	87	0	114	1348	0	2	86	0	169	1994	0	2	86	0	38088	1627	734320	8	16	16	7242	304	139450	$ 594,870	$ 343,373	30846	1323
2041	15	87	0	115	1357	0	2	87	0	170	2008	0	2	87	0	38347	1638	739313	8	16	16	7291	306	140398	$ 598,915	$ 335,313	31056	1332
2042	15	87	0	115	1366	0	2	87	0	171	2022	0	2	87	0	38608	1649	744341	8	16	16	7341	308	141353	$ 602,988	$ 327,443	31267	1341
2043	15	87	0	116	1375	0	2	88	0	172	2035	0	2	88	0	38870	1660	749402	8	16	16	7391	310	142314	$ 607,088	$ 319,757	31479	1350
2044	15	87	0	117	1385	0	2	88	0	173	2049	0	2	88	0	39134	1672	754498	8	16	16	7441	312	143281	$ 611,217	$ 312,251	31693	1359
2045	15	87	0	118	1394	0	2	89	0	174	2063	0	2	89	0	39400	1683	759629	8	16	16	7492	314	144256	$ 615,373	$ 304,922	31909	1369
2046	15	87	0	119	1403	0	2	90	0	176	2077	0	2	90	0	39668	1694	764794	8	16	16	7543	317	145237	$ 619,557	$ 297,765	32126	1378
2047	15	87	0	119	1413	0	2	90	0	177	2091	0	2	90	0	39938	1706	769995	8	16	16	7594	319	146224	$ 623,770	$ 290,776	32344	1387
2048	15	87	0	120	1423	0	2	91	0	178	2105	0	2	91	0	40210	1718	775231	8	16	16	7645	321	147219	$ 628,012	$ 283,951	32564	1397
2049	15	87	0	121	1432	0	2	91	0	179	2120	0	2	91	0	40483	1729	780502	8	16	16	7697	323	148220	$ 632,283	$ 277,286	32786	1406
2050	15	87	0	122	1442	0	2	92	0	180	2134	0	2	92	0	40758	1741	785810	8	16	16	7750	325	149228	$ 636,582	$ 270,777	33009	1416
2051	15	87	0	123	1452	0	3	93	0	182	2149	0	3	93	0	41036	1753	791153	8	16	16	7802	328	150242	$ 640,911	$ 264,421	33233	1425
2052	14.7	86.9	0.0	123.6	1461.7	0.0	2.5	93.3	0.0	182.9	2163.3	0.0	2.5	93.3	0.0	41314.6	1764.7	796533.1	7.8	16.1	16.1	7855.5	329.7	151264.0	645269.0	258214.6	33459.1	1435.0
Total																									**$ 13,130,849.87**	**$ 7,290,273.61**		

Castle Creek(West) SB - AM

Growth Rate	0.68%
Build % Reduction in Delay	
Left	28%
Through	28%
Right	28%

	No- Build																		Build									
Year	Delay			Passenger Vehicle Count (VpH)			Commercial Vehicle Count (VpH)			Total Passenger Vehicle Persons (PpH)			Total Commercial Vehicle Persons (PpH)			Total Passenger Annual Hours Delayed	Total Commercial Annual Hours Delayed	Total Time Value of Delay	Delay			Total Annual Passenger Hours Delayed	Total Commercial Hours Delayed	Total Time Value of Delay	Difference in Cost	Discounted Cost Savings	Passenger Hours Saved	Commercial Hours Saved
	L	T	R	L	T	R	L	T	R	L	T	R	L	T	R				L	T	R							
2022																												
2023																												
2024																												
2025	56	57	56	5	15	30	0	0	0	7	22	44	0	0	0	902	0	16138	56	57	56	902	0	16138	$ -	$ -	0	0
2026	56	57	56	5	15	30	0	0	0	7	22	45	0	0	0	908	0	16248	56	57	56	908	0	16248	$ -	$ -	0	0
2027	56	57	56	5	15	30	0	0	0	8	23	45	0	0	0	914	0	16358	56	57	56	914	0	16358	$ -	$ -	0	0
2028	56	57	56	5	15	31	0	0	0	8	23	45	0	0	0	920	0	16469	59	59	59	966	0	17293	$ (823)	$ (686)	-46	0
2029	56	57	56	5	15	31	0	0	0	8	23	46	0	0	0	926	0	16581	59	59	59	973	0	17410	$ (829)	$ (670)	-46	0
2030	56	57	56	5	16	31	0	0	0	8	23	46	0	0	0	933	0	16694	59	59	59	979	0	17529	$ (835)	$ (654)	-47	0
2031	56	57	56	5	16	31	0	0	0	8	23	46	0	0	0	939	0	16808	40	41	16	432	0	7736	$ 9,072	$ 6,892	507	0
2032	56	57	56	5	16	31	0	0	0	8	23	47	0	0	0	945	0	16922	40	41	16	435	0	7788	$ 9,134	$ 6,731	510	0
2033	56	57	56	5	16	32	0	0	0	8	23	47	0	0	0	952	0	17037	40	41	16	438	0	7841	$ 9,196	$ 6,573	514	0
2034	56	57	56	5	16	32	0	0	0	8	24	47	0	0	0	958	0	17153	40	41	16	441	0	7895	$ 9,258	$ 6,418	517	0
2035	56	57	56	5	16	32	0	0	0	8	24	48	0	0	0	965	0	17269	40	41	16	444	0	7948	$ 9,321	$ 6,268	521	0
2036	56	57	56	5	16	32	0	0	0	8	24	48	0	0	0	971	0	17387	40	41	16	447	0	8002	$ 9,384	$ 6,121	524	0
2037	56	57	56	5	16	33	0	0	0	8	24	48	0	0	0	978	0	17505	40	41	16	450	0	8057	$ 9,448	$ 5,977	528	0
2038	56	57	56	5	16	33	0	0	0	8	24	48	0	0	0	985	0	17624	40	41	16	453	0	8112	$ 9,513	$ 5,837	531	0
2039	56	57	56	5	16	33	0	0	0	8	24	49	0	0	0	991	0	17744	40	41	16	456	0	8167	$ 9,577	$ 5,700	535	0
2040	56	57	56	6	17	33	0	0	0	8	25	49	0	0	0	998	0	17865	40	41	16	459	0	8222	$ 9,642	$ 5,566	539	0
2041	56	57	56	6	17	33	0	0	0	8	25	49	0	0	0	1005	0	17986	40	41	16	462	0	8278	$ 9,708	$ 5,435	542	0
2042	56	57	56	6	17	34	0	0	0	8	25	50	0	0	0	1012	0	18108	40	41	16	466	0	8334	$ 9,774	$ 5,308	546	0
2043	56	57	56	6	17	34	0	0	0	8	25	50	0	0	0	1019	0	18232	40	41	16	469	0	8391	$ 9,840	$ 5,183	550	0
2044	56	57	56	6	17	34	0	0	0	8	25	51	0	0	0	1025	0	18355	40	41	16	472	0	8448	$ 9,907	$ 5,061	553	0
2045	56	57	56	6	17	34	0	0	0	8	25	51	0	0	0	1032	0	18480	40	41	16	475	0	8506	$ 9,975	$ 4,943	557	0
2046	56	57	56	6	17	35	0	0	0	9	26	51	0	0	0	1039	0	18606	40	41	16	478	0	8563	$ 10,043	$ 4,827	561	0
2047	56	57	56	6	17	35	0	0	0	9	26	52	0	0	0	1047	0	18732	40	41	16	482	0	8622	$ 10,111	$ 4,713	565	0
2048	56	57	56	6	18	35	0	0	0	9	26	52	0	0	0	1054	0	18860	40	41	16	485	0	8680	$ 10,180	$ 4,603	569	0
2049	56	57	56	6	18	35	0	0	0	9	26	52	0	0	0	1061	0	18988	40	41	16	488	0	8739	$ 10,249	$ 4,495	573	0
2050	56	57	56	6	18	36	0	0	0	9	26	53	0	0	0	1068	0	19117	40	41	16	492	0	8799	$ 10,318	$ 4,389	576	0
2051	56	57	56	6	18	36	0	0	0	9	26	53	0	0	0	1075	0	19247	40	41	16	495	0	8859	$ 10,389	$ 4,286	580	0
2052	56.2	56.5	56.1	6.0	18.0	36.0	0.0	0.0	0.0	8.9	26.7	53.3	0.0	0.0	0.0	1082.6	0.0	19378.1	40.4	40.6	16.1	498.3	0.0	8918.8	10459.3	4185.5	584.3	0.0
Total																									**$ 212,010.39**	**$ 117,498.98**		

Castle Creek(West) NB - AM

Growth Rate	0.68%
Build % Reduction in Delay	
Left	33%
Through	28%
Right	28%

	No- Build																		Build									
Year	Delay			Passenger Vehicle Count (VpH)			Commercial Vehicle Count (VpH)			Total Passenger Vehicle Persons (PpH)			Total Commercial Vehicle Persons (PpH)			Total Passenger Annual Hours Delayed	Total Commercial Annual Hours Delayed	Total Time Value of Delay	Delay			Total Annual Passenger Hours Delayed	Total Commercial Hours Delayed	Total Time Value of Delay	Difference in Cost	Discounted Cost Savings	Passenger Hours Saved	Commercial Hours Saved
	L	T	R	L	T	R	L	T	R	L	T	R	L	T	R				L	T	R							
2022																												
2023																												
2024																												
2025	70	57	57	5	15	30	0	0	0	7	22	44	0	0	0	931	0	16657	70	57	57	931	0	16657	$ -	$ -	0	0
2026	70	57	57	5	15	30	0	0	0	7	22	45	0	0	0	937	0	16771	70	57	57	937	0	16771	$ -	$ -	0	0
2027	70	57	57	5	15	30	0	0	0	8	23	45	0	0	0	943	0	16885	70	57	57	943	0	16885	$ -	$ -	0	0
2028	70	57	57	5	15	31	0	0	0	8	23	45	0	0	0	950	0	16999	74	60	60	997	0	17849	$ (850)	$ (708)	-47	0
2029	70	57	57	5	15	31	0	0	0	8	23	46	0	0	0	956	0	17115	74	60	60	1004	0	17971	$ (856)	$ (691)	-48	0
2030	70	57	57	5	16	31	0	0	0	8	23	46	0	0	0	963	0	17231	74	60	60	1011	0	18093	$ (862)	$ (675)	-48	0
2031	70	57	57	5	16	31	0	0	0	8	23	46	0	0	0	969	0	17349	47	41	16	444	0	7954	$ 9,395	$ 7,138	525	0
2032	70	57	57	5	16	31	0	0	0	8	23	47	0	0	0	976	0	17467	47	41	16	447	0	8008	$ 9,459	$ 6,970	528	0
2033	70	57	57	5	16	32	0	0	0	8	23	47	0	0	0	982	0	17585	47	41	16	450	0	8062	$ 9,523	$ 6,806	532	0
2034	70	57	57	5	16	32	0	0	0	8	24	47	0	0	0	989	0	17705	47	41	16	453	0	8117	$ 9,588	$ 6,647	536	0
2035	70	57	57	5	16	32	0	0	0	8	24	48	0	0	0	996	0	17825	47	41	16	457	0	8172	$ 9,653	$ 6,491	539	0
2036	70	57	57	5	16	32	0	0	0	8	24	48	0	0	0	1003	0	17946	47	41	16	460	0	8228	$ 9,718	$ 6,338	543	0
2037	70	57	57	5	16	33	0	0	0	8	24	48	0	0	0	1009	0	18069	47	41	16	463	0	8284	$ 9,785	$ 6,190	547	0
2038	70	57	57	5	16	33	0	0	0	8	24	48	0	0	0	1016	0	18191	47	41	16	466	0	8340	$ 9,851	$ 6,044	550	0
2039	70	57	57	5	16	33	0	0	0	8	24	49	0	0	0	1023	0	18315	47	41	16	469	0	8397	$ 9,918	$ 5,902	554	0
2040	70	57	57	6	17	33	0	0	0	8	25	49	0	0	0	1030	0	18440	47	41	16	472	0	8454	$ 9,985	$ 5,764	558	0
2041	70	57	57	6	17	33	0	0	0	8	25	49	0	0	0	1037	0	18565	47	41	16	476	0	8512	$ 10,053	$ 5,629	562	0
2042	70	57	57	6	17	34	0	0	0	8	25	50	0	0	0	1044	0	18691	47	41	16	479	0	8570	$ 10,122	$ 5,496	565	0
2043	70	57	57	6	17	34	0	0	0	8	25	50	0	0	0	1051	0	18818	47	41	16	482	0	8628	$ 10,191	$ 5,367	569	0
2044	70	57	57	6	17	34	0	0	0	8	25	51	0	0	0	1058	0	18946	47	41	16	485	0	8686	$ 10,260	$ 5,241	573	0
2045	70	57	57	6	17	34	0	0	0	8	25	51	0	0	0	1066	0	19075	47	41	16	489	0	8746	$ 10,330	$ 5,118	577	0
2046	70	57	57	6	17	35	0	0	0	9	26	51	0	0	0	1073	0	19205	47	41	16	492	0	8805	$ 10,400	$ 4,998	581	0
2047	70	57	57	6	17	35	0	0	0	9	26	52	0	0	0	1080	0	19335	47	41	16	495	0	8865	$ 10,471	$ 4,881	585	0
2048	70	57	57	6	18	35	0	0	0	9	26	52	0	0	0	1088	0	19467	47	41	16	499	0	8925	$ 10,542	$ 4,766	589	0
2049	70	57	57	6	18	35	0	0	0	9	26	52	0	0	0	1095	0	19599	47	41	16	502	0	8986	$ 10,613	$ 4,655	593	0
2050	70	57	57	6	18	36	0	0	0	9	26	53	0	0	0	1102	0	19733	47	41	16	505	0	9047	$ 10,686	$ 4,545	597	0
2051	70	57	57	6	18	36	0	0	0	9	26	53	0	0	0	1110	0	19867	47	41	16	509	0	9108	$ 10,758	$ 4,439	601	0
2052	70.1	56.7	56.7	6.0	18.0	36.0	0.0	0.0	0.0	8.9	26.7	53.3	0.0	0.0	0.0	1117.4	0.0	20001.9	47.1	40.8	16.1	512.3	0.0	9170.4	10831.5	4334.4	605.1	0.0
Total																									**$ 219,563.20**	**$ 121,686.98**		

Castle Creek(West) EB - PM

Growth Rate	0.68%
Build % Reduction in Delay	
Left	71%
Through	88%
Right	-33%

	No- Build																		Build									
Year	Delay			Passenger Vehicle Count (VpH)			Commercial Vehicle Count (VpH)			Total Passenger Vehicle Persons (PpH)			Total Commercial Vehicle Persons (PpH)			Total Passenger Annual Hours Delayed	Total Commercial Annual Hours Delayed	Total Time Value of Delay	Delay			Total Annual Passenger Hours Delayed	Total Commercial Hours Delayed	Total Time Value of Delay	Difference in Cost	Discounted Cost Savings	Passenger Hours Saved	Commercial Hours Saved
	L	T	R	L	T	R	L	T	R	L	T	R	L	T	R				L	T	R							
2022																												
2023																												
2024																												
2025	53	186	9	40	1279	168	0	26	2	59	1893	249	0	26	2	77395	1055	1419437	53	186	9	77395	1055	1419437	$ -	$ -	0	0
2026	53	186	9	40	1288	169	0	26	2	60	1906	251	0	26	2	77922	1062	1429089	53	186	9	77922	1062	1429089	$ -	$ -	0	0
2027	53	186	9	41	1296	171	0	26	2	60	1919	252	0	26	2	78451	1069	1438807	53	186	9	78451	1069	1438807	$ -	$ -	0	0
2028	53	186	9	41	1305	172	0	27	2	60	1932	254	0	27	2	78985	1076	1448591	55	195	9	82934	1130	1521020	$ (72,430)	$ (60,306)	-3949	-54
2029	53	186	9	41	1314	173	0	27	2	61	1945	256	0	27	2	79522	1084	1458441	55	195	9	83498	1138	1531363	$ (72,922)	$ (58,891)	-3976	-54
2030	53	186	9	41	1323	174	0	27	2	61	1958	258	0	27	2	80063	1091	1468359	55	195	9	84066	1145	1541777	$ (73,418)	$ (57,509)	-4003	-55
2031	53	186	9	42	1332	175	0	27	2	62	1971	259	0	27	2	80607	1098	1478344	16	22	16	10295	133	188572	$ 1,289,772	$ 979,907	70312	966
2032	53	186	9	42	1341	176	0	27	2	62	1985	261	0	27	2	81155	1106	1488396	16	22	16	10365	134	189854	$ 1,298,542	$ 956,906	70790	972
2033	53	186	9	42	1350	178	0	28	2	62	1998	263	0	28	2	81707	1113	1498517	16	22	16	10436	135	191145	$ 1,307,372	$ 934,446	71272	979
2034	53	186	9	43	1359	179	0	28	2	63	2012	265	0	28	2	82263	1121	1508707	16	22	16	10507	136	192445	$ 1,316,263	$ 912,512	71756	985
2035	53	186	9	43	1369	180	0	28	2	63	2025	267	0	28	2	82822	1128	1518966	16	22	16	10578	136	193753	$ 1,325,213	$ 891,093	72244	992
2036	53	186	9	43	1378	181	0	28	2	64	2039	268	0	28	2	83385	1136	1529295	16	22	16	10650	137	195071	$ 1,334,225	$ 870,177	72735	999
2037	53	186	9	43	1387	183	0	28	2	64	2053	270	0	28	2	83952	1144	1539695	16	22	16	10722	138	196397	$ 1,343,297	$ 849,752	73230	1006
2038	53	186	9	44	1397	184	0	29	2	65	2067	272	0	29	2	84523	1152	1550165	16	22	16	10795	139	197733	$ 1,352,432	$ 829,806	73728	1012
2039	53	186	9	44	1406	185	0	29	2	65	2081	274	0	29	2	85098	1159	1560706	16	22	16	10869	140	199077	$ 1,361,628	$ 810,329	74229	1019
2040	53	186	9	44	1416	186	0	29	2	66	2095	276	0	29	2	85677	1167	1571319	16	22	16	10943	141	200431	$ 1,370,887	$ 791,308	74734	1026
2041	53	186	9	45	1425	188	0	29	2	66	2110	278	0	29	2	86259	1175	1582003	16	22	16	11017	142	201794	$ 1,380,209	$ 772,735	75242	1033
2042	53	186	9	45	1435	189	0	29	2	66	2124	279	0	29	2	86846	1183	1592761	16	22	16	11092	143	203166	$ 1,389,595	$ 754,597	75754	1040
2043	53	186	9	45	1445	190	0	29	2	67	2138	281	0	29	2	87436	1191	1603592	16	22	16	11167	144	204548	$ 1,399,044	$ 736,885	76269	1047
2044	53	186	9	45	1455	191	0	30	2	67	2153	283	0	30	2	88031	1199	1614496	16	22	16	11243	145	205939	$ 1,408,558	$ 719,588	76788	1054
2045	53	186	9	46	1465	193	0	30	2	68	2168	285	0	30	2	88630	1208	1625475	16	22	16	11320	146	207339	$ 1,418,136	$ 702,698	77310	1062
2046	53	186	9	46	1474	194	0	30	2	68	2182	287	0	30	2	89232	1216	1636528	16	22	16	11397	147	208749	$ 1,427,779	$ 686,204	77836	1069
2047	53	186	9	46	1485	195	0	30	2	69	2197	289	0	30	2	89839	1224	1647656	16	22	16	11474	148	210168	$ 1,437,488	$ 670,097	78365	1076
2048	53	186	9	47	1495	197	0	31	2	69	2212	291	0	31	2	90450	1232	1658861	16	22	16	11552	149	211598	$ 1,447,263	$ 654,368	78898	1083
2049	53	186	9	47	1505	198	0	31	2	70	2227	293	0	31	2	91065	1241	1670141	16	22	16	11631	150	213037	$ 1,457,104	$ 639,009	79434	1091
2050	53	186	9	47	1515	199	0	31	2	70	2242	295	0	31	2	91684	1249	1681498	16	22	16	11710	151	214485	$ 1,467,013	$ 624,010	79974	1098
2051	53	186	9	48	1525	201	0	31	2	71	2257	297	0	31	2	92308	1258	1692932	16	22	16	11789	152	215944	$ 1,476,988	$ 609,363	80518	1106
2052	52.8	185.9	8.9	48.0	1535.7	202.1	0.0	31.3	2.0	71.1	2272.8	299.1	0.0	31.3	2.0	92935.4	1266.3	1704443.9	15.5	21.5	16.1	11869.6	153.1	217412.1	1487031.8	595059.4	81065.7	1113.2
Total																									**$ 30,277,070.97**	**$ 16,814,140.97**		

Castle Creek(West) WB - PM

Growth Rate	0.68%
Build % Reduction in Delay	
Left	62%
Through	40%
Right	-100%

	No- Build																		Build									
Year	Delay			Passenger Vehicle Count (VpH)			Commercial Vehicle Count (VpH)			Total Passenger Vehicle Persons (PpH)			Total Commercial Vehicle Persons (PpH)			Total Passenger Annual Hours Delayed	Total Commercial Annual Hours Delayed	Total Time Value of Delay	Delay			Total Annual Passenger Hours Delayed	Total Commercial Hours Delayed	Total Time Value of Delay	Difference in Cost	Discounted Cost Savings	Passenger Hours Saved	Commercial Hours Saved
	L	T	R	L	T	R	L	T	R	L	T	R	L	T	R				L	T	R							
2022																												
2023																												
2024																												
2025	63	41	0	64	1082	30	0	26	2	94	1601	44	0	26	2	15578	233	286368	63	41	0	15578	233	286368	$ -	$ -	0	0
2026	63	41	0	64	1089	30	0	26	2	95	1612	45	0	26	2	15684	235	288315	63	41	0	15684	235	288315	$ -	$ -	0	0
2027	63	41	0	65	1096	30	0	26	2	96	1623	45	0	26	2	15790	236	290275	63	41	0	15790	236	290275	$ -	$ -	0	0
2028	63	41	0	65	1104	31	0	27	2	96	1634	45	0	27	2	15898	238	292249	66	43	0	16693	250	306862	$ (14,612)	$ (12,167)	-795	-12
2029	63	41	0	65	1111	31	0	27	2	97	1645	46	0	27	2	16006	239	294237	66	43	0	16806	251	308948	$ (14,712)	$ (11,881)	-800	-12
2030	63	41	0	66	1119	31	0	27	2	98	1656	46	0	27	2	16115	241	296237	66	43	0	16920	253	311049	$ (14,812)	$ (11,602)	-806	-12
2031	63	41	0	66	1126	31	0	27	2	98	1667	46	0	27	2	16224	243	298252	24	25	25	9715	156	178923	$ 119,329	$ 90,661	6509	87
2032	63	41	0	67	1134	31	0	27	2	99	1678	47	0	27	2	16335	244	300280	24	25	25	9781	157	180139	$ 120,141	$ 88,533	6554	88
2033	63	41	0	67	1142	32	0	28	2	100	1690	47	0	28	2	16446	246	302322	24	25	25	9848	158	181364	$ 120,958	$ 86,455	6598	88
2034	63	41	0	68	1150	32	0	28	2	100	1701	47	0	28	2	16557	248	304378	24	25	25	9914	159	182597	$ 121,780	$ 84,425	6643	89
2035	63	41	0	68	1157	32	0	28	2	101	1713	48	0	28	2	16670	249	306447	24	25	25	9982	160	183839	$ 122,608	$ 82,444	6688	89
2036	63	41	0	69	1165	32	0	28	2	102	1725	48	0	28	2	16783	251	308531	24	25	25	10050	161	185089	$ 123,442	$ 80,509	6734	90
2037	63	41	0	69	1173	33	0	28	2	102	1736	48	0	28	2	16898	253	310629	24	25	25	10118	162	186348	$ 124,281	$ 78,619	6779	91
2038	63	41	0	70	1181	33	0	29	2	103	1748	48	0	29	2	17012	254	312741	24	25	25	10187	163	187615	$ 125,127	$ 76,773	6826	91
2039	63	41	0	70	1189	33	0	29	2	104	1760	49	0	29	2	17128	256	314868	24	25	25	10256	164	188891	$ 125,977	$ 74,971	6872	92
2040	63	41	0	71	1197	33	0	29	2	104	1772	49	0	29	2	17245	258	317009	24	25	25	10326	165	190175	$ 126,834	$ 73,212	6919	93
2041	63	41	0	71	1205	33	0	29	2	105	1784	49	0	29	2	17362	260	319165	24	25	25	10396	166	191468	$ 127,697	$ 71,493	6966	93
2042	63	41	0	71	1214	34	0	29	2	106	1796	50	0	29	2	17480	261	321335	24	25	25	10467	168	192770	$ 128,565	$ 69,815	7013	94
2043	63	41	0	72	1222	34	0	29	2	107	1808	50	0	29	2	17599	263	323520	24	25	25	10538	169	194081	$ 129,439	$ 68,176	7061	94
2044	63	41	0	72	1230	34	0	30	2	107	1821	51	0	30	2	17718	265	325720	24	25	25	10610	170	195401	$ 130,319	$ 66,576	7109	95
2045	63	41	0	73	1239	34	0	30	2	108	1833	51	0	30	2	17839	267	327935	24	25	25	10682	171	196730	$ 131,205	$ 65,013	7157	96
2046	63	41	0	73	1247	35	0	30	2	109	1846	51	0	30	2	17960	269	330165	24	25	25	10754	172	198067	$ 132,098	$ 63,487	7206	96
2047	63	41	0	74	1255	35	0	30	2	109	1858	52	0	30	2	18082	270	332410	24	25	25	10828	173	199414	$ 132,996	$ 61,997	7255	97
2048	63	41	0	74	1264	35	0	31	2	110	1871	52	0	31	2	18205	272	334671	24	25	25	10901	175	200770	$ 133,900	$ 60,542	7304	98
2049	63	41	0	75	1273	35	0	31	2	111	1883	52	0	31	2	18329	274	336946	24	25	25	10975	176	202136	$ 134,811	$ 59,121	7354	98
2050	63	41	0	75	1281	36	0	31	2	112	1896	53	0	31	2	18454	276	339238	24	25	25	11050	177	203510	$ 135,728	$ 57,733	7404	99
2051	63	41	0	76	1290	36	0	31	2	112	1909	53	0	31	2	18579	278	341544	24	25	25	11125	178	204894	$ 136,650	$ 56,378	7454	100
2052	63.1	41.2	0.0	76.5	1298.7	36.0	0.0	31.3	2.0	113.2	1922.1	53.3	0.0	31.3	2.0	18705.6	279.8	343866.9	23.9	24.8	24.8	11200.8	179.4	206287.2	137579.7	55054.7	7504.9	100.4
Total																									**$ 2,777,329.35**	**$ 1,536,337.83**		

Castle Creek(West) NB - PM

Growth Rate	0.68%
Build % Reduction in Delay	
Left	71%
Through	39%
Right	39%

	No- Build																		Build									
Year	Delay			Passenger Vehicle Count (VpH)			Commercial Vehicle Count (VpH)			Total Passenger Vehicle Persons (PpH)			Total Commercial Vehicle Persons (PpH)			Total Passenger Annual Hours Delayed	Total Commercial Annual Hours Delayed	Total Time Value of Delay	Delay			Total Annual Passenger Hours Delayed	Total Commercial Hours Delayed	Total Time Value of Delay	Difference in Cost	Discounted Cost Savings	Passenger Hours Saved	Commercial Hours Saved
	L	T	R	L	T	R	L	T	R	L	T	R	L	T	R				L	T	R							
2022																												
2023																												
2024																												
2025	188	60	60	64	1082	30	0	26	2	94	1601	44	0	26	2	25109	360	461070	188	60	60	25109	360	461070	$ -	$ -	0	0
2026	188	60	60	64	1089	30	0	26	2	95	1612	45	0	26	2	25280	362	464206	188	60	60	25280	362	464206	$ -	$ -	0	0
2027	188	60	60	65	1096	30	0	26	2	96	1623	45	0	26	2	25452	365	467362	188	60	60	25452	365	467362	$ -	$ -	0	0
2028	188	60	60	65	1104	31	0	27	2	96	1634	45	0	27	2	25625	367	470540	197	63	63	26906	385	494067	$ (23,527)	$ (19,589)	-1281	-18
2029	188	60	60	65	1111	31	0	27	2	97	1645	46	0	27	2	25799	369	473740	197	63	63	27089	388	497427	$ (23,687)	$ (19,129)	-1290	-18
2030	188	60	60	66	1119	31	0	27	2	98	1656	46	0	27	2	25975	372	476962	197	63	63	27273	391	500810	$ (23,848)	$ (18,680)	-1299	-19
2031	188	60	60	66	1126	31	0	27	2	98	1667	46	0	27	2	26151	375	480205	54	37	25	14624	225	269039	$ 211,166	$ 160,434	11527	149
2032	188	60	60	67	1134	31	0	27	2	99	1678	47	0	27	2	26329	377	483470	54	37	25	14723	227	270868	$ 212,602	$ 156,668	11606	150
2033	188	60	60	67	1142	32	0	28	2	100	1690	47	0	28	2	26508	380	486758	54	37	25	14824	228	272710	$ 214,048	$ 152,991	11685	151
2034	188	60	60	68	1150	32	0	28	2	100	1701	47	0	28	2	26688	382	490068	54	37	25	14924	230	274564	$ 215,503	$ 149,400	11764	153
2035	188	60	60	68	1157	32	0	28	2	101	1713	48	0	28	2	26870	385	493400	54	37	25	15026	231	276431	$ 216,969	$ 145,893	11844	154
2036	188	60	60	69	1165	32	0	28	2	102	1725	48	0	28	2	27053	387	496755	54	37	25	15128	233	278311	$ 218,444	$ 142,469	11925	155
2037	188	60	60	69	1173	33	0	28	2	102	1736	48	0	28	2	27237	390	500133	54	37	25	15231	234	280204	$ 219,930	$ 139,125	12006	156
2038	188	60	60	70	1181	33	0	29	2	103	1748	48	0	29	2	27422	393	503534	54	37	25	15334	236	282109	$ 221,425	$ 135,859	12087	157
2039	188	60	60	70	1189	33	0	29	2	104	1760	49	0	29	2	27608	395	506958	54	37	25	15439	238	284027	$ 222,931	$ 132,670	12170	158
2040	188	60	60	71	1197	33	0	29	2	104	1772	49	0	29	2	27796	398	510406	54	37	25	15544	239	285959	$ 224,447	$ 129,556	12252	159
2041	188	60	60	71	1205	33	0	29	2	105	1784	49	0	29	2	27985	401	513876	54	37	25	15649	241	287903	$ 225,973	$ 126,515	12336	160
2042	188	60	60	71	1214	34	0	29	2	106	1796	50	0	29	2	28175	404	517371	54	37	25	15756	242	289861	$ 227,510	$ 123,545	12420	161
2043	188	60	60	72	1222	34	0	29	2	107	1808	50	0	29	2	28367	406	520889	54	37	25	15863	244	291832	$ 229,057	$ 120,645	12504	162
2044	188	60	60	72	1230	34	0	30	2	107	1821	51	0	30	2	28560	409	524431	54	37	25	15971	246	293817	$ 230,614	$ 117,814	12589	163
2045	188	60	60	73	1239	34	0	30	2	108	1833	51	0	30	2	28754	412	527997	54	37	25	16079	247	295815	$ 232,182	$ 115,048	12675	164
2046	188	60	60	73	1247	35	0	30	2	109	1846	51	0	30	2	28950	415	531587	54	37	25	16189	249	297826	$ 233,761	$ 112,348	12761	165
2047	188	60	60	74	1255	35	0	30	2	109	1858	52	0	30	2	29146	417	535202	54	37	25	16299	251	299851	$ 235,351	$ 109,711	12848	167
2048	188	60	60	74	1264	35	0	31	2	110	1871	52	0	31	2	29345	420	538842	54	37	25	16410	253	301890	$ 236,951	$ 107,136	12935	168
2049	188	60	60	75	1273	35	0	31	2	111	1883	52	0	31	2	29544	423	542506	54	37	25	16521	254	303943	$ 238,563	$ 104,621	13023	169
2050	188	60	60	75	1281	36	0	31	2	112	1896	53	0	31	2	29745	426	546195	54	37	25	16634	256	306010	$ 240,185	$ 102,165	13111	170
2051	188	60	60	76	1290	36	0	31	2	112	1909	53	0	31	2	29947	429	549909	54	37	25	16747	258	308091	$ 241,818	$ 99,767	13201	171
2052	187.5	59.7	59.7	76.5	1298.7	36.0	0.0	31.3	2.0	113.2	1922.1	53.3	0.0	31.3	2.0	30150.9	431.8	553648.2	54.3	36.6	24.8	16860.6	259.5	310185.8	243462.4	97425.3	13290.3	172.3
Total																									**$ 4,921,830.76**	**$ 2,724,406.15**		

Castle Creek(West) SB - PM

Growth Rate	0.68%
Build % Reduction in Delay	
Left	71%
Through	39%
Right	39%

	No- Build																		Build									
Year	Delay			Passenger Vehicle Count (VpH)			Commercial Vehicle Count (VpH)			Total Passenger Vehicle Persons (PpH)			Total Commercial Vehicle Persons (PpH)			Total Passenger Annual Hours Delayed	Total Commercial Annual Hours Delayed	Total Time Value of Delay	Delay			Total Annual Passenger Hours Delayed	Total Commercial Hours Delayed	Total Time Value of Delay	Difference in Cost	Discounted Cost Savings	Passenger Hours Saved	Commercial Hours Saved
	L	T	R	L	T	R	L	T	R	L	T	R	L	T	R				L	T	R							
2022																												
2023																												
2024																												
2025	188	60	60	208	45	89	2	0	1	308	67	132	2	0	1	15067	97	272834	188	60	60	15067	97	272834	$ -	$ -	0	0
2026	188	60	60	209	45	90	2	0	1	310	67	133	2	0	1	15170	98	274689	188	60	60	15170	98	274689	$ -	$ -	0	0
2027	188	60	60	211	46	90	2	0	1	312	68	134	2	0	1	15273	98	276557	188	60	60	15273	98	276557	$ -	$ -	0	0
2028	188	60	60	212	46	91	2	0	1	314	68	135	2	0	1	15377	99	278438	197	63	63	16145	104	292360	$ (13,922)	$ (11,592)	-769	-5
2029	188	60	60	214	46	92	2	0	1	316	68	135	2	0	1	15481	100	280331	197	63	63	16255	105	294348	$ (14,017)	$ (11,320)	-774	-5
2030	188	60	60	215	47	92	2	0	1	318	69	136	2	0	1	15586	100	282237	197	63	63	16366	105	296349	$ (14,112)	$ (11,054)	-779	-5
2031	188	60	60	217	47	93	2	0	1	320	69	137	2	0	1	15692	101	284157	54	37	25	5058	31	91537	$ 192,620	$ 146,343	10634	70
2032	188	60	60	218	47	93	2	0	1	323	70	138	2	0	1	15799	102	286089	54	37	25	5093	31	92159	$ 193,930	$ 142,908	10707	71
2033	188	60	60	219	48	94	2	0	1	325	70	139	2	0	1	15907	102	288034	54	37	25	5127	31	92786	$ 195,248	$ 139,554	10779	71
2034	188	60	60	221	48	95	2	0	1	327	71	140	2	0	1	16015	103	289993	54	37	25	5162	31	93417	$ 196,576	$ 136,278	10853	72
2035	188	60	60	222	48	95	2	0	1	329	71	141	2	0	1	16124	104	291965	54	37	25	5197	32	94052	$ 197,913	$ 133,080	10926	72
2036	188	60	60	224	48	96	2	0	1	332	72	142	2	0	1	16233	104	293950	54	37	25	5233	32	94692	$ 199,259	$ 129,956	11001	73
2037	188	60	60	226	49	97	2	0	1	334	72	143	2	0	1	16344	105	295949	54	37	25	5268	32	95335	$ 200,614	$ 126,906	11076	73
2038	188	60	60	227	49	97	2	0	1	336	73	144	2	0	1	16455	106	297961	54	37	25	5304	32	95984	$ 201,978	$ 123,927	11151	74
2039	188	60	60	229	49	98	2	0	1	338	73	145	2	0	1	16567	107	299988	54	37	25	5340	32	96636	$ 203,351	$ 121,018	11227	74
2040	188	60	60	230	50	99	2	0	1	341	74	146	2	0	1	16679	107	302028	54	37	25	5376	33	97294	$ 204,734	$ 118,177	11303	75
2041	188	60	60	232	50	99	2	0	1	343	74	147	2	0	1	16793	108	304081	54	37	25	5413	33	97955	$ 206,126	$ 115,403	11380	75
2042	188	60	60	233	50	100	2	0	1	345	75	148	2	0	1	16907	109	306149	54	37	25	5450	33	98621	$ 207,528	$ 112,695	11457	76
2043	188	60	60	235	51	101	2	0	1	348	75	149	2	0	1	17022	110	308231	54	37	25	5487	33	99292	$ 208,939	$ 110,049	11535	76
2044	188	60	60	236	51	101	2	0	1	350	76	150	2	0	1	17138	110	310327	54	37	25	5524	34	99967	$ 210,360	$ 107,466	11614	77
2045	188	60	60	238	52	102	2	0	1	352	76	151	2	0	1	17254	111	312437	54	37	25	5562	34	100647	$ 211,790	$ 104,944	11693	77
2046	188	60	60	240	52	103	2	0	1	355	77	152	2	0	1	17372	112	314562	54	37	25	5599	34	101331	$ 213,230	$ 102,481	11772	78
2047	188	60	60	241	52	103	2	0	1	357	77	153	2	0	1	17490	113	316701	54	37	25	5638	34	102020	$ 214,680	$ 100,075	11852	78
2048	188	60	60	243	53	104	2	0	1	360	78	154	2	0	1	17609	113	318854	54	37	25	5676	35	102714	$ 216,140	$ 97,726	11933	79
2049	188	60	60	245	53	105	2	0	1	362	78	155	2	0	1	17728	114	321022	54	37	25	5715	35	103412	$ 217,610	$ 95,432	12014	79
2050	188	60	60	246	53	106	2	0	1	364	79	156	2	0	1	17849	115	323205	54	37	25	5753	35	104116	$ 219,090	$ 93,192	12096	80
2051	188	60	60	248	54	106	3	0	1	367	79	157	3	0	1	17970	116	325403	54	37	25	5792	35	104824	$ 220,580	$ 91,005	12178	80
2052	187.5	59.7	59.7	249.6	54.0	107.0	2.5	0.0	1.1	369.5	80.0	158.3	2.5	0.0	1.1	18092.5	116.4	327616.0	54.3	36.6	24.8	5831.9	35.5	105536.4	222079.5	88868.7	12260.6	80.9
Total																									**$ 4,512,325.89**	**$ 2,503,518.90**		

Castle Creek(West) EB-SAT

Growth Rate	0.68%
Build % Reduction in Delay	
Left	43%
Through	#DIV/0!
Right	32%

	No- Build																		Build									
Year	Delay			Passenger Vehicle Count (VpH)			Commercial Vehicle Count (VpH)			Total Passenger Vehicle Persons (PpH)			Total Commercial Vehicle Persons (PpH)			Total Passenger Annual Hours Delayed	Total Commercial Annual Hours Delayed	Total Time Value of Delay	Delay			Total Annual Passenger Hours Delayed	Total Commercial Hours Delayed	Total Time Value of Delay	Difference in Cost	Discounted Cost Savings	Passenger Hours Saved	Commercial Hours Saved
	L	T	R	L	T	R	L	T	R	L	T	R	L	T	R				L	T	R							
2022																												
2023																												
2024																												
2025	178	21	1	73	1046	141	1	11	3	147	2113	285	1	11	3	6093	42	110421	178	21	1	6093	42	110421	$ -	$ -	0	0
2026	178	21	1	73	1053	142	1	11	3	148	2127	287	1	11	3	6134	43	111172	178	21	1	6134	43	111172	$ -	$ -	0	0
2027	178	21	1	74	1060	143	2	11	3	149	2142	289	2	11	3	6176	43	111928	178	21	1	6176	43	111928	$ -	$ -	0	0
2028	178	21	1	74	1068	144	2	11	3	150	2156	291	2	11	3	6218	43	112689	187	22	1	6529	45	118323	$ (5,634)	$ (4,691)	-311	-2
2029	178	21	1	75	1075	145	2	11	3	151	2171	293	2	11	3	6260	43	113455	187	22	1	6573	46	119128	$ (5,673)	$ (4,581)	-313	-2
2030	178	21	1	75	1082	146	2	11	3	152	2186	295	2	11	3	6303	44	114226	187	22	1	6618	46	119938	$ (5,711)	$ (4,474)	-315	-2
2031	178	21	1	76	1089	147	2	11	3	153	2201	297	2	11	3	6345	44	115003	160	14	10	5156	38	93512	$ 21,491	$ 16,328	1190	6
2032	178	21	1	76	1097	148	2	11	3	154	2216	299	2	11	3	6389	44	115785	160	14	10	5191	38	94148	$ 21,638	$ 15,945	1198	6
2033	178	21	1	77	1104	149	2	11	3	155	2231	301	2	11	3	6432	45	116572	160	14	10	5226	38	94788	$ 21,785	$ 15,571	1206	6
2034	178	21	1	77	1112	150	2	11	3	156	2246	303	2	11	3	6476	45	117365	160	14	10	5262	39	95432	$ 21,933	$ 15,205	1214	6
2035	178	21	1	78	1119	151	2	11	3	157	2261	305	2	11	3	6520	45	118163	160	14	10	5297	39	96081	$ 22,082	$ 14,848	1222	6
2036	178	21	1	78	1127	152	2	11	3	158	2277	307	2	11	3	6564	45	118967	160	14	10	5333	39	96735	$ 22,232	$ 14,500	1231	6
2037	178	21	1	79	1135	153	2	11	3	159	2292	309	2	11	3	6609	46	119776	160	14	10	5370	40	97392	$ 22,383	$ 14,159	1239	6
2038	178	21	1	79	1142	154	2	12	3	160	2308	312	2	12	3	6654	46	120590	160	14	10	5406	40	98055	$ 22,536	$ 13,827	1248	6
2039	178	21	1	80	1150	155	2	12	3	162	2323	314	2	12	3	6699	46	121410	160	14	10	5443	40	98721	$ 22,689	$ 13,502	1256	6
2040	178	21	1	81	1158	156	2	12	3	163	2339	316	2	12	3	6744	47	122236	160	14	10	5480	40	99393	$ 22,843	$ 13,186	1265	6
2041	178	21	1	81	1166	157	2	12	3	164	2355	318	2	12	3	6790	47	123067	160	14	10	5517	41	100069	$ 22,998	$ 12,876	1273	6
2042	178	21	1	82	1174	158	2	12	3	165	2371	320	2	12	3	6837	47	123904	160	14	10	5555	41	100749	$ 23,155	$ 12,574	1282	6
2043	178	21	1	82	1182	160	2	12	3	166	2387	322	2	12	3	6883	48	124746	160	14	10	5592	41	101434	$ 23,312	$ 12,279	1291	7
2044	178	21	1	83	1190	161	2	12	3	167	2403	324	2	12	3	6930	48	125595	160	14	10	5630	41	102124	$ 23,471	$ 11,990	1299	7
2045	178	21	1	83	1198	162	2	12	3	168	2420	327	2	12	3	6977	48	126449	160	14	10	5669	42	102818	$ 23,630	$ 11,709	1308	7
2046	178	21	1	84	1206	163	2	12	3	169	2436	329	2	12	3	7024	49	127309	160	14	10	5707	42	103518	$ 23,791	$ 11,434	1317	7
2047	178	21	1	84	1214	164	2	12	3	171	2453	331	2	12	3	7072	49	128174	160	14	10	5746	42	104221	$ 23,953	$ 11,166	1326	7
2048	178	21	1	85	1223	165	2	12	3	172	2469	333	2	12	3	7120	49	129046	160	14	10	5785	43	104930	$ 24,116	$ 10,904	1335	7
2049	178	21	1	86	1231	166	2	12	3	173	2486	336	2	12	3	7169	50	129923	160	14	10	5825	43	105644	$ 24,280	$ 10,648	1344	7
2050	178	21	1	86	1239	167	2	13	3	174	2503	338	2	13	3	7217	50	130807	160	14	10	5864	43	106362	$ 24,445	$ 10,398	1353	7
2051	178	21	1	87	1248	168	2	13	3	175	2520	340	2	13	3	7266	50	131696	160	14	10	5904	43	107085	$ 24,611	$ 10,154	1362	7
2052	178.1	20.5	0.5	87.3	1256.1	169.6	1.8	12.7	3.5	176.4	2537.3	342.5	1.8	12.7	3.5	7315.9	50.7	132591.9	159.5	14.4	9.5	5944.2	43.7	107813.5	24778.4	9915.5	1371.7	6.9
Total																									**$ 491,132.81**	**$ 269,371.70**		

Castle Creek(West) WB-SAT

Growth Rate	0.68%
Build % Reduction in Delay	
Left	43%
Through	#DIV/0!
Right	32%

	No- Build																		Build									
Year	Delay			Passenger Vehicle Count (VpH)			Commercial Vehicle Count (VpH)			Total Passenger Vehicle Persons (PpH)			Total Commercial Vehicle Persons (PpH)			Total Passenger Annual Hours Delayed	Total Commercial Annual Hours Delayed	Total Time Value of Delay	Delay			Total Annual Passenger Hours Delayed	Total Commercial Hours Delayed	Total Time Value of Delay	Difference in Cost	Discounted Cost Savings	Passenger Hours Saved	Commercial Hours Saved
	L	T	R	L	T	R	L	T	R	L	T	R	L	T	R				L	T	R							
2022																												
2023																												
2024																												
2025	49	71	0	61	1318	0	27	0	3	123	2662	0	27	0	3	17142	116	310602	49	71	0	17142	116	310602	$ -	$ -	0	0
2026	49	71	0	62	1327	0	27	0	3	124	2680	0	27	0	3	17259	117	312714	49	71	0	17259	117	312714	$ -	$ -	0	0
2027	49	71	0	62	1336	0	27	0	3	125	2698	0	27	0	3	17376	118	314840	49	71	0	17376	118	314840	$ -	$ -	0	0
2028	49	71	0	62	1345	0	27	0	3	126	2717	0	27	0	3	17494	119	316981	52	75	0	18369	125	332830	$ (15,849)	$ (13,196)	-875	-6
2029	49	71	0	63	1354	0	28	0	3	127	2735	0	28	0	3	17613	119	319137	52	75	0	18494	125	335094	$ (15,957)	$ (12,887)	-881	-6
2030	49	71	0	63	1363	0	28	0	3	128	2754	0	28	0	3	17733	120	321307	52	75	0	18620	126	337372	$ (16,065)	$ (12,584)	-887	-6
2031	49	71	0	64	1373	0	28	0	3	129	2773	0	28	0	3	17854	121	323492	3	6	6	1564	9	28310	$ 295,182	$ 224,265	16289	112
2032	49	71	0	64	1382	0	28	0	3	129	2791	0	28	0	3	17975	122	325692	3	6	6	1575	10	28503	$ 297,189	$ 219,001	16400	112
2033	49	71	0	65	1391	0	28	0	3	130	2810	0	28	0	3	18097	123	327906	3	6	6	1586	10	28696	$ 299,210	$ 213,861	16512	113
2034	49	71	0	65	1401	0	29	0	3	131	2830	0	29	0	3	18220	124	330136	3	6	6	1597	10	28891	$ 301,245	$ 208,841	16624	114
2035	49	71	0	65	1410	0	29	0	3	132	2849	0	29	0	3	18344	124	332381	3	6	6	1607	10	29088	$ 303,293	$ 203,939	16737	115
2036	49	71	0	66	1420	0	29	0	3	133	2868	0	29	0	3	18469	125	334641	3	6	6	1618	10	29286	$ 305,355	$ 199,152	16851	115
2037	49	71	0	66	1430	0	29	0	3	134	2888	0	29	0	3	18595	126	336917	3	6	6	1629	10	29485	$ 307,432	$ 194,477	16965	116
2038	49	71	0	67	1439	0	29	0	3	135	2907	0	29	0	3	18721	127	339208	3	6	6	1640	10	29685	$ 309,522	$ 189,912	17081	117
2039	49	71	0	67	1449	0	30	0	3	136	2927	0	30	0	3	18848	128	341514	3	6	6	1652	10	29887	$ 311,627	$ 185,455	17197	118
2040	49	71	0	68	1459	0	30	0	3	137	2947	0	30	0	3	18977	129	343837	3	6	6	1663	10	30090	$ 313,746	$ 181,102	17314	119
2041	49	71	0	68	1469	0	30	0	3	138	2967	0	30	0	3	19106	130	346175	3	6	6	1674	10	30295	$ 315,880	$ 176,851	17431	119
2042	49	71	0	69	1479	0	30	0	3	139	2987	0	30	0	3	19235	130	348529	3	6	6	1686	10	30501	$ 318,028	$ 172,700	17550	120
2043	49	71	0	69	1489	0	30	0	3	139	3008	0	30	0	3	19366	131	350899	3	6	6	1697	10	30708	$ 320,190	$ 168,646	17669	121
2044	49	71	0	70	1499	0	31	0	3	140	3028	0	31	0	3	19498	132	353285	3	6	6	1709	10	30917	$ 322,367	$ 164,687	17789	122
2045	49	71	0	70	1509	0	31	0	3	141	3049	0	31	0	3	19631	133	355687	3	6	6	1720	10	31128	$ 324,560	$ 160,822	17910	123
2046	49	71	0	70	1519	0	31	0	3	142	3069	0	31	0	3	19764	134	358106	3	6	6	1732	11	31339	$ 326,767	$ 157,047	18032	124
2047	49	71	0	71	1530	0	31	0	3	143	3090	0	31	0	3	19898	135	360541	3	6	6	1744	11	31552	$ 328,989	$ 153,361	18155	124
2048	49	71	0	71	1540	0	31	0	3	144	3111	0	31	0	3	20034	136	362993	3	6	6	1755	11	31767	$ 331,226	$ 149,761	18278	125
2049	49	71	0	72	1551	0	32	0	3	145	3132	0	32	0	3	20170	137	365461	3	6	6	1767	11	31983	$ 333,478	$ 146,246	18403	126
2050	49	71	0	72	1561	0	32	0	3	146	3154	0	32	0	3	20307	138	367946	3	6	6	1779	11	32200	$ 335,746	$ 142,813	18528	127
2051	49	71	0	73	1572	0	32	0	3	147	3175	0	32	0	3	20445	139	370448	3	6	6	1792	11	32419	$ 338,029	$ 139,461	18654	128
2052	49.4	71.3	0.0	73.4	1582.5	0.0	32.3	0.0	3.5	148.3	3196.7	0.0	32.3	0.0	3.5	20584.2	139.6	372967.2	3.2	6.3	6.3	1803.7	11.0	32639.8	340327.4	136187.4	18780.6	128.7
Total																									**$ 6,931,515.32**	**$ 3,849,918.81**		

Castle Creek(West) NB-SAT

Growth Rate	0.68%
Build % Reduction in Delay	
Left	43%
Through	#DIV/0!
Right	32%

	No- Build																		Build									
Year	Delay			Passenger Vehicle Count (VpH)			Commercial Vehicle Count (VpH)			Total Passenger Vehicle Persons (PpH)			Total Commercial Vehicle Persons (PpH)			Total Passenger Annual Hours Delayed	Total Commercial Annual Hours Delayed	Total Time Value of Delay	Delay			Total Annual Passenger Hours Delayed	Total Commercial Hours Delayed	Total Time Value of Delay	Difference in Cost	Discounted Cost Savings	Passenger Hours Saved	Commercial Hours Saved
	L	T	R	L	T	R	L	T	R	L	T	R	L	T	R				L	T	R							
2022																												
2023																												
2024																												
2025	121	56	56	203	57	57	2	0	0	410	115	115	2	0	0	5480	22	98791	121	56	56	5480	22	98791	$ -	$ -	0	0
2026	121	56	56	205	57	57	2	0	0	413	115	115	2	0	0	5517	22	99463	121	56	56	5517	22	99463	$ -	$ -	0	0
2027	121	56	56	206	58	58	2	0	0	416	116	116	2	0	0	5555	22	100139	121	56	56	5555	22	100139	$ -	$ -	0	0
2028	121	56	56	207	58	58	2	0	0	419	117	117	2	0	0	5592	22	100820	127	59	59	5872	23	105861	$ (5,041)	$ (4,197)	-280	-1
2029	121	56	56	209	58	58	2	0	0	422	118	118	2	0	0	5630	22	101506	127	59	59	5912	23	106581	$ (5,075)	$ (4,099)	-282	-1
2030	121	56	56	210	59	59	2	0	0	425	119	119	2	0	0	5669	23	102196	127	59	59	5952	24	107306	$ (5,110)	$ (4,003)	-283	-1
2031	121	56	56	212	59	59	2	0	0	427	119	119	2	0	0	5707	23	102891	43	32	32	2287	8	41196	$ 61,695	$ 46,873	3420	15
2032	121	56	56	213	60	60	2	0	0	430	120	120	2	0	0	5746	23	103590	43	32	32	2302	8	41476	$ 62,115	$ 45,773	3444	15
2033	121	56	56	214	60	60	2	0	0	433	121	121	2	0	0	5785	23	104295	43	32	32	2318	8	41758	$ 62,537	$ 44,698	3467	15
2034	121	56	56	216	60	60	2	0	0	436	122	122	2	0	0	5824	23	105004	43	32	32	2334	8	42042	$ 62,962	$ 43,649	3491	15
2035	121	56	56	217	61	61	2	0	0	439	123	123	2	0	0	5864	23	105718	43	32	32	2350	8	42328	$ 63,390	$ 42,625	3514	15
2036	121	56	56	219	61	61	2	0	0	442	124	124	2	0	0	5904	23	106437	43	32	32	2366	8	42615	$ 63,821	$ 41,624	3538	15
2037	121	56	56	220	62	62	2	0	0	445	124	124	2	0	0	5944	24	107161	43	32	32	2382	8	42905	$ 64,255	$ 40,647	3562	15
2038	121	56	56	222	62	62	2	0	0	448	125	125	2	0	0	5984	24	107889	43	32	32	2398	8	43197	$ 64,692	$ 39,693	3586	15
2039	121	56	56	223	62	62	2	0	0	451	126	126	2	0	0	6025	24	108623	43	32	32	2414	9	43491	$ 65,132	$ 38,761	3611	15
2040	121	56	56	225	63	63	2	0	0	454	127	127	2	0	0	6066	24	109362	43	32	32	2431	9	43786	$ 65,575	$ 37,852	3635	16
2041	121	56	56	226	63	63	2	0	0	457	128	128	2	0	0	6107	24	110105	43	32	32	2447	9	44084	$ 66,021	$ 36,963	3660	16
2042	121	56	56	228	64	64	2	0	0	460	129	129	2	0	0	6149	24	110854	43	32	32	2464	9	44384	$ 66,470	$ 36,095	3685	16
2043	121	56	56	230	64	64	2	0	0	464	130	130	2	0	0	6191	25	111608	43	32	32	2481	9	44686	$ 66,922	$ 35,248	3710	16
2044	121	56	56	231	65	65	2	0	0	467	130	130	2	0	0	6233	25	112367	43	32	32	2498	9	44990	$ 67,377	$ 34,421	3735	16
2045	121	56	56	233	65	65	2	0	0	470	131	131	2	0	0	6275	25	113131	43	32	32	2514	9	45296	$ 67,835	$ 33,613	3761	16
2046	121	56	56	234	65	65	2	0	0	473	132	132	2	0	0	6318	25	113895	43	32	32	2532	9	45604	$ 68,291	$ 32,821	3786	16
2047	121	56	56	236	66	66	2	0	0	476	133	133	2	0	0	6361	25	114675	43	32	32	2549	9	45914	$ 68,761	$ 32,054	3812	16
2048	121	56	56	237	66	66	2	0	0	480	134	134	2	0	0	6404	25	115454	43	32	32	2566	9	46226	$ 69,229	$ 31,301	3838	16
2049	121	56	56	239	67	67	2	0	0	483	135	135	2	0	0	6448	26	116240	43	32	32	2584	9	46540	$ 69,699	$ 30,566	3864	17
2050	121	56	56	241	67	67	2	0	0	486	136	136	2	0	0	6491	26	117030	43	32	32	2601	9	46857	$ 70,173	$ 29,849	3890	17
2051	121	56	56	242	68	68	2	0	0	489	137	137	2	0	0	6536	26	117826	43	32	32	2619	9	47175	$ 70,650	$ 29,148	3917	17
2052	121.2	56.2	56.2	244.0	68.2	68.2	2.5	0.0	0.0	492.8	137.7	137.7	2.5	0.0	0.0	6580.0	26.1	118627.0	43.1	32.3	32.3	2636.6	9.3	47496.1	71130.9	28464.2	3943.4	16.8
Total																									**$ 1,443,510.87**	**$ 800,441.48**		

Castle Creek(West) SB-SAT

Growth Rate	0.68%
Build % Reduction in Delay	
Left	43%
Through	#DIV/0!
Right	32%

	No- Build																		Build									
Year	Delay			Passenger Vehicle Count (VpH)			Commercial Vehicle Count (VpH)			Total Passenger Vehicle Persons (PpH)			Total Commercial Vehicle Persons (PpH)			Total Passenger Annual Hours Delayed	Total Commercial Annual Hours Delayed	Total Time Value of Delay	Delay			Total Annual Passenger Hours Delayed	Total Commercial Hours Delayed	Total Time Value of Delay	Difference in Cost	Discounted Cost Savings	Passenger Hours Saved	Commercial Hours Saved
	L	T	R	L	T	R	L	T	R	L	T	R	L	T	R				L	T	R							
2022																												
2023																												
2024																												
2025	0	56	56	26	26	59	0	0	2	53	53	120	0	0	2	840	9	15318	0	56	56	840	9	15318	$ -	$ -	0	0
2026	0	56	56	26	26	60	0	0	2	53	53	121	0	0	2	845	9	15423	0	56	56	845	9	15423	$ -	$ -	0	0
2027	0	56	56	27	27	60	0	0	2	54	54	121	0	0	2	851	9	15527	0	56	56	851	9	15527	$ -	$ -	0	0
2028	0	56	56	27	27	61	0	0	2	54	54	122	0	0	2	857	9	15633	0	58	58	900	10	16415	$ (782)	$ (651)	-43	0
2029	0	56	56	27	27	61	0	0	2	54	54	123	0	0	2	863	9	15739	0	58	58	906	10	16526	$ (787)	$ (636)	-43	0
2030	0	56	56	27	27	61	0	0	2	55	55	124	0	0	2	869	9	15846	0	58	58	912	10	16639	$ (792)	$ (621)	-43	0
2031	0	56	56	27	27	62	0	0	2	55	55	125	0	0	2	875	9	15954	32	32	32	655	5	11895	$ 4,059	$ 3,084	220	4
2032	0	56	56	27	27	62	0	0	2	55	55	126	0	0	2	880	9	16063	32	32	32	659	5	11976	$ 4,087	$ 3,012	221	4
2033	0	56	56	28	28	63	0	0	2	56	56	126	0	0	2	886	9	16172	32	32	32	664	5	12057	$ 4,115	$ 2,941	223	4
2034	0	56	56	28	28	63	0	0	2	56	56	127	0	0	2	892	9	16282	32	32	32	668	5	12139	$ 4,143	$ 2,872	224	4
2035	0	56	56	28	28	63	0	0	2	57	57	128	0	0	2	899	10	16393	32	32	32	673	5	12222	$ 4,171	$ 2,804	226	4
2036	0	56	56	28	28	64	0	0	2	57	57	129	0	0	2	905	10	16504	32	32	32	677	6	12305	$ 4,199	$ 2,739	227	4
2037	0	56	56	28	28	64	0	0	2	57	57	130	0	0	2	911	10	16616	32	32	32	682	6	12389	$ 4,228	$ 2,674	229	4
2038	0	56	56	29	29	65	0	0	2	58	58	131	0	0	2	917	10	16729	32	32	32	687	6	12473	$ 4,256	$ 2,612	230	4
2039	0	56	56	29	29	65	0	0	2	58	58	132	0	0	2	923	10	16843	32	32	32	691	6	12558	$ 4,285	$ 2,550	232	4
2040	0	56	56	29	29	66	0	0	2	59	59	133	0	0	2	930	10	16958	32	32	32	696	6	12643	$ 4,314	$ 2,490	233	4
2041	0	56	56	29	29	66	0	0	2	59	59	133	0	0	2	936	10	17073	32	32	32	701	6	12729	$ 4,344	$ 2,432	235	4
2042	0	56	56	29	29	67	0	0	2	59	59	134	0	0	2	942	10	17189	32	32	32	706	6	12816	$ 4,373	$ 2,375	237	4
2043	0	56	56	30	30	67	0	0	2	60	60	135	0	0	2	949	10	17306	32	32	32	710	6	12903	$ 4,403	$ 2,319	238	4
2044	0	56	56	30	30	67	0	0	2	60	60	136	0	0	2	955	10	17423	32	32	32	715	6	12990	$ 4,433	$ 2,265	240	4
2045	0	56	56	30	30	68	0	0	2	61	61	137	0	0	2	962	10	17542	32	32	32	720	6	13079	$ 4,463	$ 2,212	241	4
2046	0	56	56	30	30	68	0	0	2	61	61	138	0	0	2	968	10	17661	32	32	32	725	6	13168	$ 4,494	$ 2,160	243	4
2047	0	56	56	30	30	69	0	0	2	61	61	139	0	0	2	975	10	17781	32	32	32	730	6	13257	$ 4,524	$ 2,109	245	4
2048	0	56	56	31	31	69	0	0	2	62	62	140	0	0	2	981	10	17902	32	32	32	735	6	13347	$ 4,555	$ 2,059	246	4
2049	0	56	56	31	31	70	0	0	2	62	62	141	0	0	2	988	10	18024	32	32	32	740	6	13438	$ 4,586	$ 2,011	248	4
2050	0	56	56	31	31	70	0	0	2	63	63	142	0	0	2	995	11	18147	32	32	32	745	6	13530	$ 4,617	$ 1,964	250	5
2051	0	56	56	31	31	71	0	0	2	63	63	143	0	0	2	1001	11	18270	32	32	32	750	6	13622	$ 4,648	$ 1,918	252	5
2052	0.0	55.5	55.6	31.5	31.5	71.2	0.0	0.0	2.2	63.5	63.5	143.8	0.0	0.0	2.2	1008.3	10.7	18394.2	31.8	31.8	31.9	755.1	6.1	13714.2	4680.0	1872.8	253.2	4.6
Total																									**$ 93,615.96**	**$ 51,566.82**		

Castle Creek(East) EB - AM

Growth Rate	0.68%
Build % Reduction in Delay	
Left	98%
Through	66%
Right	58%

	No- Build																		Build									
Year	Delay			Passenger Vehicle Count (VpH)			Commercial Vehicle Count (VpH)			Total Passenger Vehicle Persons (PpH)			Total Commercial Vehicle Persons (PpH)			Total Passenger Annual Hours Delayed	Total Commercial Annual Hours Delayed	Total Time Value of Delay	Delay			Total Annual Passenger Hours Delayed	Total Commercial Hours Delayed	Total Time Value of Delay	Difference in Cost	Discounted Cost Savings	Passenger Hours Saved	Commercial Hours Saved
	L	T	R	L	T	R	L	T	R	L	T	R	L	T	R				L	T	R							
2022																												
2023																												
2024																												
2025	91	4	4	23	690	24	3	85	1	33	1021	35	3	85	1	1655	131	33868	91	4	4	1655	131	33868	$ -	$ -	0	0
2026	91	4	4	23	694	24	3	86	1	34	1028	35	3	86	1	1666	132	34098	91	4	4	1666	132	34098	$ -	$ -	0	0
2027	91	4	4	23	699	24	3	86	1	34	1035	36	3	86	1	1678	133	34330	91	4	4	1678	133	34330	$ -	$ -	0	0
2028	91	4	4	23	704	24	3	87	1	34	1042	36	3	87	1	1689	134	34564	95	5	4	1773	141	36292	$ (1,728)	$ (1,439)	-84	-7
2029	91	4	4	23	709	24	3	88	1	34	1049	36	3	88	1	1700	135	34799	95	5	4	1786	142	36539	$ (1,740)	$ (1,405)	-85	-7
2030	91	4	4	23	714	25	3	88	1	34	1056	36	3	88	1	1712	136	35035	95	5	4	1798	143	36787	$ (1,752)	$ (1,372)	-86	-7
2031	91	4	4	23	718	25	3	89	1	35	1063	37	3	89	1	1724	137	35274	1	2	2	368	30	7558	$ 27,716	$ 21,057	1356	107
2032	91	4	4	24	723	25	3	89	1	35	1070	37	3	89	1	1735	138	35513	1	2	2	370	30	7609	$ 27,904	$ 20,563	1365	107
2033	91	4	4	24	728	25	3	90	1	35	1078	37	3	90	1	1747	139	35755	1	2	2	373	30	7661	$ 28,094	$ 20,080	1374	108
2034	91	4	4	24	733	25	3	91	1	35	1085	37	3	91	1	1759	140	35998	1	2	2	376	31	7713	$ 28,285	$ 19,609	1384	109
2035	91	4	4	24	738	25	3	91	1	36	1092	38	3	91	1	1771	141	36243	1	2	2	378	31	7765	$ 28,478	$ 19,149	1393	110
2036	91	4	4	24	743	26	3	92	1	36	1100	38	3	92	1	1783	142	36489	1	2	2	381	31	7818	$ 28,671	$ 18,699	1402	110
2037	91	4	4	24	748	26	3	92	1	36	1107	38	3	92	1	1795	143	36737	1	2	2	383	31	7871	$ 28,866	$ 18,260	1412	111
2038	91	4	4	25	753	26	3	93	1	36	1115	38	3	93	1	1807	143	36987	1	2	2	386	32	7925	$ 29,062	$ 17,832	1422	112
2039	91	4	4	25	758	26	3	94	1	37	1122	39	3	94	1	1820	144	37239	1	2	2	388	32	7979	$ 29,260	$ 17,413	1431	113
2040	91	4	4	25	764	26	3	94	1	37	1130	39	3	94	1	1832	145	37492	1	2	2	391	32	8033	$ 29,459	$ 17,004	1441	113
2041	91	4	4	25	769	26	3	95	1	37	1138	39	3	95	1	1845	146	37747	1	2	2	394	32	8088	$ 29,659	$ 16,605	1451	114
2042	91	4	4	25	774	27	3	96	1	37	1145	39	3	96	1	1857	147	38004	1	2	2	396	32	8143	$ 29,861	$ 16,216	1461	115
2043	91	4	4	25	779	27	3	96	1	38	1153	40	3	96	1	1870	148	38262	1	2	2	399	33	8198	$ 30,064	$ 15,835	1471	116
2044	91	4	4	26	785	27	3	97	1	38	1161	40	3	97	1	1882	149	38522	1	2	2	402	33	8254	$ 30,269	$ 15,463	1481	117
2045	91	4	4	26	790	27	3	98	1	38	1169	40	3	98	1	1895	150	38784	1	2	2	405	33	8310	$ 30,474	$ 15,100	1491	117
2046	91	4	4	26	795	27	3	98	1	38	1177	41	3	98	1	1908	151	39048	1	2	2	407	33	8366	$ 30,682	$ 14,746	1501	118
2047	91	4	4	26	801	28	3	99	1	39	1185	41	3	99	1	1921	152	39313	1	2	2	410	34	8423	$ 30,890	$ 14,400	1511	119
2048	91	4	4	26	806	28	3	100	1	39	1193	41	3	100	1	1934	154	39581	1	2	2	413	34	8480	$ 31,100	$ 14,062	1521	120
2049	91	4	4	26	812	28	3	100	1	39	1201	41	3	100	1	1947	155	39850	1	2	2	416	34	8538	$ 31,312	$ 13,732	1532	121
2050	91	4	4	27	817	28	3	101	1	39	1209	42	3	101	1	1961	156	40121	1	2	2	419	34	8596	$ 31,525	$ 13,409	1542	121
2051	91	4	4	27	823	28	3	102	1	40	1218	42	3	102	1	1974	157	40394	1	2	2	421	34	8655	$ 31,739	$ 13,095	1553	122
2052	90.7	4.4	3.6	27.0	828.2	28.5	3.0	102.4	1.5	40.0	1225.8	42.2	3.0	102.4	1.5	1987.3	157.8	40668.4	1.4	1.5	1.5	424.2	34.7	8713.5	31954.9	12787.3	1563.1	123.1
Total																									**$ 650,106.82**	**$ 360,900.95**		

Castle Creek(East) WB - AM Castle Creek(East) WB - AM

Growth Rate	0.68%
Build % Reduction in Delay	
Left	78%
Through	96%
Right	9%

	No- Build																		Build									
Year	Delay			Passenger Vehicle Count (VpH)			Commercial Vehicle Count (VpH)			Total Passenger Vehicle Persons (PpH)			Total Commercial Vehicle Persons (PpH)			Total Passenger Annual Hours Delayed	Total Commercial Annual Hours Delayed	Total Time Value of Delay	Delay			Total Annual Passenger Hours Delayed	Total Commercial Hours Delayed	Total Time Value of Delay	Difference in Cost	Discounted Cost Savings	Passenger Hours Saved	Commercial Hours Saved
	L	T	R	L	T	R	L	T	R	L	T	R	L	T	R				L	T	R							
2022																												
2023																												
2024																												
2025	1	75	0	29	1202	25	1	63	0	43	1779	37	1	63	0	28719	1021	547057	1	75	0	28719	1021	547057	$ -	$ -	0	0
2026	1	75	0	29	1210	25	1	64	0	43	1791	37	1	64	0	28914	1028	550777	1	75	0	28914	1028	550777	$ -	$ -	0	0
2027	1	75	0	29	1218	25	1	64	0	44	1803	38	1	64	0	29111	1035	554523	1	75	0	29111	1035	554523	$ -	$ -	0	0
2028	1	75	0	30	1226	26	1	65	0	44	1815	38	1	65	0	29309	1042	558293	1	78	0	30775	1094	586208	$ (27,915)	$ (23,242)	-1465	-52
2029	1	75	0	30	1235	26	1	65	0	44	1827	38	1	65	0	29508	1049	562090	1	78	0	30984	1102	590194	$ (28,104)	$ (22,697)	-1475	-52
2030	1	75	0	30	1243	26	1	65	0	45	1840	38	1	65	0	29709	1056	565912	1	78	0	31194	1109	594208	$ (28,296)	$ (22,164)	-1485	-53
2031	1	75	0	30	1252	26	1	66	0	45	1852	39	1	66	0	29911	1064	569760	0	3	0	1281	46	24396	$ 545,364	$ 414,341	28630	1018
2032	1	75	0	31	1260	26	1	66	0	45	1865	39	1	66	0	30114	1071	573635	0	3	0	1290	46	24562	$ 549,072	$ 404,616	28825	1025
2033	1	75	0	31	1269	26	1	67	0	45	1878	39	1	67	0	30319	1078	577535	0	3	0	1298	46	24729	$ 552,806	$ 395,118	29021	1032
2034	1	75	0	31	1277	27	1	67	0	46	1890	39	1	67	0	30525	1085	581463	0	3	0	1307	46	24898	$ 556,565	$ 385,844	29218	1039
2035	1	75	0	31	1286	27	1	68	0	46	1903	40	1	68	0	30733	1093	585417	0	3	0	1316	47	25067	$ 560,350	$ 376,787	29417	1046
2036	1	75	0	31	1295	27	1	68	0	46	1916	40	1	68	0	30942	1100	589397	0	3	0	1325	47	25237	$ 564,160	$ 367,943	29617	1053
2037	1	75	0	32	1304	27	1	69	0	47	1929	40	1	69	0	31152	1108	593405	0	3	0	1334	47	25409	$ 567,996	$ 359,307	29818	1060
2038	1	75	0	32	1312	27	1	69	0	47	1942	40	1	69	0	31364	1115	597440	0	3	0	1343	48	25582	$ 571,859	$ 350,873	30021	1067
2039	1	75	0	32	1321	27	1	70	0	47	1956	41	1	70	0	31577	1123	601503	0	3	0	1352	48	25756	$ 575,747	$ 342,637	30225	1075
2040	1	75	0	32	1330	28	1	70	0	48	1969	41	1	70	0	31792	1130	605593	0	3	0	1361	48	25931	$ 579,662	$ 334,595	30431	1082
2041	1	75	0	32	1339	28	1	70	0	48	1982	41	1	70	0	32008	1138	609711	0	3	0	1371	49	26107	$ 583,604	$ 326,741	30638	1089
2042	1	75	0	33	1348	28	1	71	0	48	1996	42	1	71	0	32226	1146	613857	0	3	0	1380	49	26285	$ 587,573	$ 319,072	30846	1097
2043	1	75	0	33	1358	28	1	71	0	49	2009	42	1	71	0	32445	1154	618032	0	3	0	1389	49	26463	$ 591,568	$ 311,582	31056	1104
2044	1	75	0	33	1367	28	1	72	0	49	2023	42	1	72	0	32666	1161	622234	0	3	0	1399	50	26643	$ 595,591	$ 304,269	31267	1112
2045	1	75	0	33	1376	29	1	72	0	49	2037	42	1	72	0	32888	1169	626465	0	3	0	1408	50	26825	$ 599,641	$ 297,127	31480	1119
2046	1	75	0	34	1386	29	1	73	0	50	2051	43	1	73	0	33112	1177	630725	0	3	0	1418	50	27007	$ 603,718	$ 290,153	31694	1127
2047	1	75	0	34	1395	29	1	73	0	50	2065	43	1	73	0	33337	1185	635014	0	3	0	1427	51	27191	$ 607,824	$ 283,342	31909	1135
2048	1	75	0	34	1404	29	1	74	0	50	2079	43	1	74	0	33563	1193	639332	0	3	0	1437	51	27375	$ 611,957	$ 276,691	32126	1142
2049	1	75	0	34	1414	29	1	74	0	51	2093	44	1	74	0	33792	1202	643680	0	3	0	1447	51	27562	$ 616,118	$ 270,197	32345	1150
2050	1	75	0	34	1424	30	1	75	0	51	2107	44	1	75	0	34021	1210	648057	0	3	0	1457	52	27749	$ 620,308	$ 263,855	32565	1158
2051	1	75	0	35	1433	30	1	75	0	51	2121	44	1	75	0	34253	1218	652464	0	3	0	1467	52	27938	$ 624,526	$ 257,661	32786	1166
2052	1.1	74.5	0.0	34.9	1443.0	30.0	1.1	75.9	0.0	51.7	2135.7	44.4	1.1	75.9	0.0	34485.7	1226.2	656900.3	0.2	3.2	0.0	1476.7	52.5	28127.7	628772.6	251613.3	33009.0	1173.7
Total																									**$ 12,810,465.87**	**$ 7,116,261.56**		

Castle Creek(East) NB - AM

Growth Rate	0.68%
Build % Reduction in Delay	
Left	26%
Through	25%
Right	25%

	No- Build																		Build									
Year	Delay			Passenger Vehicle Count (VpH)			Commercial Vehicle Count (VpH)			Total Passenger Vehicle Persons (PpH)			Total Commercial Vehicle Persons (PpH)			Total Passenger Annual Hours Delayed	Total Commercial Annual Hours Delayed	Total Time Value of Delay	Delay			Total Annual Passenger Hours Delayed	Total Commercial Hours Delayed	Total Time Value of Delay	Difference in Cost	Discounted Cost Savings	Passenger Hours Saved	Commercial Hours Saved
	L	T	R	L	T	R	L	T	R	L	T	R	L	T	R				L	T	R							
2022																												
2023																												
2024																												
2025	67	62	62	47	18	34	3	2	1	70	27	50	3	2	1	2031	84	39078	67	62	62	2031	84	39078	$ -	$ -	0	0
2026	67	62	62	47	18	34	3	2	1	70	27	51	3	2	1	2045	85	39344	67	62	62	2045	85	39344	$ -	$ -	0	0
2027	67	62	62	48	18	34	3	2	1	71	27	51	3	2	1	2059	85	39611	67	62	62	2059	85	39611	$ -	$ -	0	0
2028	67	62	62	48	18	35	3	2	1	71	27	51	3	2	1	2073	86	39880	70	65	65	2177	90	41874	$ (1,994)	$ (1,660)	-104	-4
2029	67	62	62	48	18	35	3	2	1	71	27	52	3	2	1	2087	86	40152	70	65	65	2192	91	42159	$ (2,008)	$ (1,621)	-104	-4
2030	67	62	62	49	19	35	3	2	1	72	28	52	3	2	1	2101	87	40425	70	65	65	2207	91	42446	$ (2,021)	$ (1,583)	-105	-4
2031	67	62	62	49	19	35	3	2	1	72	28	52	3	2	1	2116	88	40700	49	46	46	1572	65	30236	$ 10,464	$ 7,950	544	23
2032	67	62	62	49	19	36	3	2	1	73	28	53	3	2	1	2130	88	40976	49	46	46	1582	65	30441	$ 10,535	$ 7,763	548	23
2033	67	62	62	50	19	36	3	2	1	73	28	53	3	2	1	2145	89	41255	49	46	46	1593	66	30648	$ 10,607	$ 7,581	551	23
2034	67	62	62	50	19	36	3	2	1	74	28	53	3	2	1	2159	89	41535	49	46	46	1604	66	30857	$ 10,679	$ 7,403	555	23
2035	67	62	62	50	19	36	3	2	1	74	29	54	3	2	1	2174	90	41818	49	46	46	1615	67	31066	$ 10,752	$ 7,229	559	23
2036	67	62	62	51	19	37	3	2	1	75	29	54	3	2	1	2189	91	42102	49	46	46	1626	67	31278	$ 10,825	$ 7,060	563	23
2037	67	62	62	51	20	37	3	2	1	75	29	55	3	2	1	2204	91	42389	49	46	46	1637	68	31490	$ 10,898	$ 6,894	567	23
2038	67	62	62	51	20	37	3	2	1	76	29	55	3	2	1	2219	92	42677	49	46	46	1648	68	31704	$ 10,972	$ 6,732	570	24
2039	67	62	62	52	20	37	3	2	1	76	29	55	3	2	1	2234	92	42967	49	46	46	1659	69	31920	$ 11,047	$ 6,574	574	24
2040	67	62	62	52	20	38	3	2	1	77	29	56	3	2	1	2249	93	43259	49	46	46	1671	69	32137	$ 11,122	$ 6,420	578	24
2041	67	62	62	52	20	38	3	2	1	78	30	56	3	2	1	2264	94	43553	49	46	46	1682	70	32356	$ 11,198	$ 6,269	582	24
2042	67	62	62	53	20	38	3	2	1	78	30	56	3	2	1	2279	94	43850	49	46	46	1693	70	32576	$ 11,274	$ 6,122	586	24
2043	67	62	62	53	20	38	3	2	1	79	30	57	3	2	1	2295	95	44148	49	46	46	1705	71	32797	$ 11,351	$ 5,978	590	24
2044	67	62	62	53	20	39	3	2	1	79	30	57	3	2	1	2311	96	44448	49	46	46	1717	71	33020	$ 11,428	$ 5,838	594	25
2045	67	62	62	54	21	39	3	2	1	80	31	58	3	2	1	2326	96	44750	49	46	46	1728	72	33245	$ 11,505	$ 5,701	598	25
2046	67	62	62	54	21	39	3	2	1	80	31	58	3	2	1	2342	97	45054	49	46	46	1740	72	33471	$ 11,584	$ 5,567	602	25
2047	67	62	62	55	21	39	3	2	1	81	31	58	3	2	1	2358	98	45361	49	46	46	1752	72	33698	$ 11,662	$ 5,437	606	25
2048	67	62	62	55	21	40	4	2	1	81	31	59	4	2	1	2374	98	45669	49	46	46	1764	73	33928	$ 11,742	$ 5,309	610	25
2049	67	62	62	55	21	40	4	2	1	82	31	59	4	2	1	2390	99	45980	49	46	46	1776	73	34158	$ 11,822	$ 5,184	615	25
2050	67	62	62	56	21	40	4	2	1	82	32	60	4	2	1	2406	100	46292	49	46	46	1788	74	34391	$ 11,902	$ 5,063	619	26
2051	67	62	62	56	21	40	4	2	1	83	32	60	4	2	1	2423	100	46607	49	46	46	1800	74	34624	$ 11,983	$ 4,944	623	26
2052	66.7	61.6	61.6	56.4	21.6	40.8	3.6	2.4	1.3	83.5	32.0	60.3	3.6	2.4	1.3	2439.3	100.9	46924.2	49.4	45.9	45.9	1812.2	75.0	34859.8	12064.4	4827.8	627.1	26.0
Total																									**$ 241,391.72**	**$ 132,982.94**		

Castle Creek(East) SB - AM

Growth Rate	0.68%
Build % Reduction in Delay	
Left	26%
Through	26%
Right	26%

	No- Build																		Build									
Year	Delay			Passenger Vehicle Count (VpH)			Commercial Vehicle Count (VpH)			Total Passenger Vehicle Persons (PpH)			Total Commercial Vehicle Persons (PpH)			Total Passenger Annual Hours Delayed	Total Commercial Annual Hours Delayed	Total Time Value of Delay	Delay			Total Annual Passenger Hours Delayed	Total Commercial Hours Delayed	Total Time Value of Delay	Difference in Cost	Discounted Cost Savings	Passenger Hours Saved	Commercial Hours Saved
	L	T	R	L	T	R	L	T	R	L	T	R	L	T	R				L	T	R							
2022																												
2023																												
2024																												
2025	61	60	60	10	5	53	0	0	2	15	7	78	0	0	2	1306	29	24300	61	60	60	1306	29	24300	$ -	$ -	0	0
2026	61	60	60	10	5	53	0	0	2	15	7	79	0	0	2	1315	29	24465	61	60	60	1315	29	24465	$ -	$ -	0	0
2027	61	60	60	10	5	54	0	0	2	15	8	79	0	0	2	1324	29	24631	61	60	60	1324	29	24631	$ -	$ -	0	0
2028	61	60	60	10	5	54	0	0	2	15	8	80	0	0	2	1333	29	24799	64	63	63	1399	31	26039	$ (1,240)	$ (1,032)	-67	-1
2029	61	60	60	10	5	54	0	0	2	15	8	80	0	0	2	1342	29	24967	64	63	63	1409	31	26216	$ (1,248)	$ (1,008)	-67	-1
2030	61	60	60	10	5	55	0	0	2	15	8	81	0	0	2	1351	30	25137	64	63	63	1418	31	26394	$ (1,257)	$ (985)	-68	-1
2031	61	60	60	10	5	55	0	0	2	15	8	81	0	0	2	1360	30	25308	45	45	45	1013	22	18846	$ 6,462	$ 4,909	347	8
2032	61	60	60	10	5	55	0	0	2	16	8	82	0	0	2	1369	30	25480	45	45	45	1020	22	18975	$ 6,506	$ 4,794	350	8
2033	61	60	60	11	5	56	0	0	2	16	8	82	0	0	2	1379	30	25653	45	45	45	1027	22	19104	$ 6,550	$ 4,681	352	8
2034	61	60	60	11	5	56	0	0	2	16	8	83	0	0	2	1388	30	25828	45	45	45	1034	23	19234	$ 6,594	$ 4,572	354	8
2035	61	60	60	11	5	57	0	0	2	16	8	84	0	0	2	1397	31	26004	45	45	45	1041	23	19364	$ 6,639	$ 4,464	357	8
2036	61	60	60	11	5	57	0	0	2	16	8	84	0	0	2	1407	31	26180	45	45	45	1048	23	19496	$ 6,684	$ 4,360	359	8
2037	61	60	60	11	5	57	0	0	2	16	8	85	0	0	2	1417	31	26358	45	45	45	1055	23	19629	$ 6,730	$ 4,257	362	8
2038	61	60	60	11	5	58	0	0	2	16	8	85	0	0	2	1426	31	26538	45	45	45	1062	23	19762	$ 6,776	$ 4,157	364	8
2039	61	60	60	11	5	58	0	0	2	16	8	86	0	0	2	1436	31	26718	45	45	45	1069	23	19896	$ 6,822	$ 4,060	367	8
2040	61	60	60	11	6	58	0	0	2	16	8	87	0	0	2	1446	32	26900	45	45	45	1077	24	20032	$ 6,868	$ 3,964	369	8
2041	61	60	60	11	6	59	0	0	2	16	8	87	0	0	2	1455	32	27083	45	45	45	1084	24	20168	$ 6,915	$ 3,871	372	8
2042	61	60	60	11	6	59	0	0	2	17	8	88	0	0	2	1465	32	27267	45	45	45	1091	24	20305	$ 6,962	$ 3,780	374	8
2043	61	60	60	11	6	60	0	0	2	17	8	88	0	0	2	1475	32	27452	45	45	45	1099	24	20443	$ 7,009	$ 3,692	377	8
2044	61	60	60	11	6	60	0	0	3	17	8	89	0	0	3	1485	33	27639	45	45	45	1106	24	20582	$ 7,057	$ 3,605	379	8
2045	61	60	60	11	6	60	0	0	3	17	8	89	0	0	3	1495	33	27827	45	45	45	1114	24	20722	$ 7,105	$ 3,520	382	8
2046	61	60	60	12	6	61	0	0	3	17	9	90	0	0	3	1506	33	28016	45	45	45	1121	25	20863	$ 7,153	$ 3,438	384	8
2047	61	60	60	12	6	61	0	0	3	17	9	91	0	0	3	1516	33	28207	45	45	45	1129	25	21005	$ 7,202	$ 3,357	387	8
2048	61	60	60	12	6	62	0	0	3	17	9	91	0	0	3	1526	33	28398	45	45	45	1137	25	21148	$ 7,251	$ 3,278	390	9
2049	61	60	60	12	6	62	0	0	3	17	9	92	0	0	3	1537	34	28592	45	45	45	1144	25	21292	$ 7,300	$ 3,201	392	9
2050	61	60	60	12	6	63	0	0	3	18	9	93	0	0	3	1547	34	28786	45	45	45	1152	25	21436	$ 7,350	$ 3,126	395	9
2051	61	60	60	12	6	63	0	0	3	18	9	93	0	0	3	1558	34	28982	45	45	45	1160	25	21582	$ 7,400	$ 3,053	398	9
2052	60.5	59.9	60.0	12.0	6.0	63.4	0.0	0.0	2.6	17.8	8.9	93.8	0.0	0.0	2.6	1568.1	34.3	29178.8	45.0	44.5	44.7	1167.7	25.6	21728.9	7449.9	2981.2	400.4	8.8
Total																									**$ 149,036.44**	**$ 82,097.65**		

Castle Creek(East) EB - PM

Growth Rate	0.68%
Build % Reduction in Delay	
Left	91%
Through	93%
Right	71%

	No- Build																		Build									
Year	Delay			Passenger Vehicle Count (VpH)			Commercial Vehicle Count (VpH)			Total Passenger Vehicle Persons (PpH)			Total Commercial Vehicle Persons (PpH)			Total Passenger Annual Hours Delayed	Total Commercial Annual Hours Delayed	Total Time Value of Delay	Delay			Total Annual Passenger Hours Delayed	Total Commercial Hours Delayed	Total Time Value of Delay	Difference in Cost	Discounted Cost Savings	Passenger Hours Saved	Commercial Hours Saved
	L	T	R	L	T	R	L	T	R	L	T	R	L	T	R				L	T	R							
2022																												
2023																												
2024																												
2025	78	78	19	110	1284	5	0	26	0	163	1900	7	0	26	0	35057	445	641901	78	78	19	35057	445	641901	$ -	$ -	0	0
2026	78	78	19	111	1293	5	0	26	0	164	1913	7	0	26	0	35296	448	646266	78	78	19	35296	448	646266	$ -	$ -	0	0
2027	78	78	19	112	1301	5	0	27	0	165	1926	8	0	27	0	35536	451	650661	78	78	19	35536	451	650661	$ -	$ -	0	0
2028	78	78	19	112	1310	5	0	27	0	166	1939	8	0	27	0	35777	454	655086	82	82	20	37566	477	687840	$ (32,754)	$ (27,272)	-1789	-23
2029	78	78	19	113	1319	5	0	27	0	167	1952	8	0	27	0	36021	457	659540	82	82	20	37822	480	692517	$ (32,977)	$ (26,632)	-1801	-23
2030	78	78	19	114	1328	5	0	27	0	168	1966	8	0	27	0	36266	460	664025	82	82	20	38079	483	697226	$ (33,201)	$ (26,007)	-1813	-23
2031	78	78	19	115	1337	5	0	27	0	170	1979	8	0	27	0	36512	464	668540	7	6	6	2672	33	48894	$ 619,647	$ 470,778	33840	430
2032	78	78	19	115	1346	5	0	27	0	171	1992	8	0	27	0	36760	467	673086	7	6	6	2690	33	49226	$ 623,860	$ 459,728	34071	433
2033	78	78	19	116	1355	5	0	28	0	172	2006	8	0	28	0	37010	470	677663	7	6	6	2708	34	49561	$ 628,102	$ 448,937	34302	436
2034	78	78	19	117	1365	5	0	28	0	173	2020	8	0	28	0	37262	473	682272	7	6	6	2727	34	49898	$ 632,374	$ 438,399	34536	439
2035	78	78	19	118	1374	5	0	28	0	174	2033	8	0	28	0	37516	476	686911	7	6	6	2745	34	50237	$ 636,674	$ 428,109	34770	442
2036	78	78	19	119	1383	5	0	28	0	175	2047	8	0	28	0	37771	479	691582	7	6	6	2764	34	50579	$ 641,003	$ 418,060	35007	445
2037	78	78	19	119	1393	5	0	28	0	177	2061	8	0	28	0	38027	483	696285	7	6	6	2783	34	50923	$ 645,362	$ 408,247	35245	448
2038	78	78	19	120	1402	5	0	29	0	178	2075	8	0	29	0	38286	486	701019	7	6	6	2802	35	51269	$ 649,750	$ 398,665	35485	451
2039	78	78	19	121	1412	5	0	29	0	179	2089	8	0	29	0	38546	489	705786	7	6	6	2821	35	51618	$ 654,169	$ 389,307	35726	454
2040	78	78	19	122	1421	6	0	29	0	180	2103	8	0	29	0	38809	493	710586	7	6	6	2840	35	51969	$ 658,617	$ 380,169	35969	457
2041	78	78	19	123	1431	6	0	29	0	181	2118	8	0	29	0	39072	496	715418	7	6	6	2859	35	52322	$ 663,096	$ 371,246	36213	461
2042	78	78	19	123	1441	6	0	29	0	183	2132	8	0	29	0	39338	499	720283	7	6	6	2879	36	52678	$ 667,605	$ 362,532	36460	464
2043	78	78	19	124	1450	6	0	30	0	184	2147	8	0	30	0	39606	503	725180	7	6	6	2898	36	53036	$ 672,144	$ 354,022	36708	467
2044	78	78	19	125	1460	6	0	30	0	185	2161	8	0	30	0	39875	506	730112	7	6	6	2918	36	53397	$ 676,715	$ 345,713	36957	470
2045	78	78	19	126	1470	6	0	30	0	186	2176	8	0	30	0	40146	510	735076	7	6	6	2938	36	53760	$ 681,317	$ 337,598	37208	473
2046	78	78	19	127	1480	6	0	30	0	188	2191	9	0	30	0	40419	513	740075	7	6	6	2958	37	54125	$ 685,950	$ 329,674	37461	476
2047	78	78	19	128	1490	6	0	30	0	189	2206	9	0	30	0	40694	517	745108	7	6	6	2978	37	54493	$ 690,614	$ 321,935	37716	480
2048	78	78	19	129	1500	6	0	31	0	190	2221	9	0	31	0	40971	520	750174	7	6	6	2998	37	54864	$ 695,310	$ 314,379	37973	483
2049	78	78	19	129	1511	6	0	31	0	192	2236	9	0	31	0	41249	524	755275	7	6	6	3018	37	55237	$ 700,038	$ 307,000	38231	486
2050	78	78	19	130	1521	6	0	31	0	193	2251	9	0	31	0	41530	527	760411	7	6	6	3039	38	55613	$ 704,799	$ 299,794	38491	490
2051	78	78	19	131	1531	6	0	31	0	194	2266	9	0	31	0	41812	531	765582	7	6	6	3060	38	55991	$ 709,591	$ 292,757	38753	493
2052	78.0	78.4	19.3	132.1	1541.6	6.0	0.0	31.5	0.0	195.5	2281.5	8.9	0.0	31.5	0.0	42096.5	534.4	770788.1	7.1	5.6	5.6	3080.4	38.2	56371.6	714416.4	285885.1	39016.1	496.2
Total																									**$ 14,552,219.77**	**$ 8,083,022.02**		

Castle Creek(East) WB - PM

Growth Rate	0.68%
Build % Reduction in Delay	
Left	91%
Through	80%
Right	44%

	No- Build																		Build									
Year	Delay			Passenger Vehicle Count (VpH)			Commercial Vehicle Count (VpH)			Total Passenger Vehicle Persons (PpH)			Total Commercial Vehicle Persons (PpH)			Total Passenger Annual Hours Delayed	Total Commercial Annual Hours Delayed	Total Time Value of Delay	Delay			Total Annual Passenger Hours Delayed	Total Commercial Hours Delayed	Total Time Value of Delay	Difference in Cost	Discounted Cost Savings	Passenger Hours Saved	Commercial Hours Saved
	L	T	R	L	T	R	L	T	R	L	T	R	L	T	R				L	T	R							
2022																												
2023																												
2024																												
2025	60	14	5	59	1086	20	1	34	0	87	1608	30	1	34	0	5942	115	110085	60	14	5	5942	115	110085	$ -	$ -	0	0
2026	60	14	5	59	1094	20	1	34	0	88	1619	30	1	34	0	5982	116	110834	60	14	5	5982	116	110834	$ -	$ -	0	0
2027	60	14	5	60	1101	20	1	34	0	88	1630	30	1	34	0	6023	117	111587	60	14	5	6023	117	111587	$ -	$ -	0	0
2028	60	14	5	60	1109	20	1	34	0	89	1641	30	1	34	0	6064	118	112346	63	14	5	6367	124	117963	$ (5,617)	$ (4,677)	-303	-6
2029	60	14	5	60	1116	21	1	35	0	89	1652	30	1	35	0	6105	119	113110	63	14	5	6410	125	118765	$ (5,655)	$ (4,567)	-305	-6
2030	60	14	5	61	1124	21	1	35	0	90	1663	31	1	35	0	6147	119	113879	63	14	5	6454	125	119573	$ (5,694)	$ (4,460)	-307	-6
2031	60	14	5	61	1131	21	1	35	0	91	1675	31	1	35	0	6188	120	114653	6	3	3	1143	23	21187	$ 93,466	$ 71,011	5046	97
2032	60	14	5	62	1139	21	1	35	0	91	1686	31	1	35	0	6230	121	115433	6	3	3	1150	23	21331	$ 94,102	$ 69,345	5080	98
2033	60	14	5	62	1147	21	1	35	0	92	1697	31	1	35	0	6273	122	116218	6	3	3	1158	23	21476	$ 94,742	$ 67,717	5115	99
2034	60	14	5	62	1155	21	1	36	0	92	1709	31	1	36	0	6315	123	117008	6	3	3	1166	23	21622	$ 95,386	$ 66,127	5149	99
2035	60	14	5	63	1163	21	1	36	0	93	1721	32	1	36	0	6358	124	117804	6	3	3	1174	23	21769	$ 96,035	$ 64,575	5184	100
2036	60	14	5	63	1170	22	1	36	0	94	1732	32	1	36	0	6402	124	118605	6	3	3	1182	24	21917	$ 96,688	$ 63,060	5220	101
2037	60	14	5	64	1178	22	1	36	0	94	1744	32	1	36	0	6445	125	119412	6	3	3	1190	24	22066	$ 97,345	$ 61,579	5255	102
2038	60	14	5	64	1186	22	1	37	0	95	1756	32	1	37	0	6489	126	120224	6	3	3	1198	24	22216	$ 98,007	$ 60,134	5291	102
2039	60	14	5	65	1195	22	1	37	0	96	1768	33	1	37	0	6533	127	121041	6	3	3	1206	24	22367	$ 98,674	$ 58,722	5327	103
2040	60	14	5	65	1203	22	1	37	0	96	1780	33	1	37	0	6578	128	121864	6	3	3	1214	24	22519	$ 99,345	$ 57,344	5363	104
2041	60	14	5	66	1211	22	1	37	0	97	1792	33	1	37	0	6622	129	122693	6	3	3	1223	24	22673	$ 100,020	$ 55,998	5399	104
2042	60	14	5	66	1219	22	1	38	0	98	1804	33	1	38	0	6667	130	123527	6	3	3	1231	24	22827	$ 100,700	$ 54,684	5436	105
2043	60	14	5	66	1227	23	1	38	0	98	1816	33	1	38	0	6713	130	124367	6	3	3	1239	25	22982	$ 101,385	$ 53,400	5473	106
2044	60	14	5	67	1236	23	1	38	0	99	1829	34	1	38	0	6758	131	125213	6	3	3	1248	25	23138	$ 102,075	$ 52,147	5510	106
2045	60	14	5	67	1244	23	1	38	0	100	1841	34	1	38	0	6804	132	126064	6	3	3	1256	25	23296	$ 102,769	$ 50,923	5548	107
2046	60	14	5	68	1253	23	1	39	0	100	1854	34	1	39	0	6850	133	126922	6	3	3	1265	25	23454	$ 103,468	$ 49,727	5586	108
2047	60	14	5	68	1261	23	1	39	0	101	1866	34	1	39	0	6897	134	127785	6	3	3	1273	25	23613	$ 104,171	$ 48,560	5624	109
2048	60	14	5	69	1270	23	1	39	0	102	1879	35	1	39	0	6944	135	128654	6	3	3	1282	25	23774	$ 104,879	$ 47,420	5662	109
2049	60	14	5	69	1278	24	1	40	0	102	1892	35	1	40	0	6991	136	129528	6	3	3	1291	26	23936	$ 105,593	$ 46,307	5700	110
2050	60	14	5	70	1287	24	1	40	0	103	1905	35	1	40	0	7039	137	130409	6	3	3	1300	26	24098	$ 106,311	$ 45,220	5739	111
2051	60	14	5	70	1296	24	1	40	0	104	1918	35	1	40	0	7087	138	131296	6	3	3	1308	26	24262	$ 107,034	$ 44,159	5778	112
2052	60.3	13.7	5.0	70.6	1304.5	24.0	1.4	40.3	0.0	104.5	1930.7	35.5	1.4	40.3	0.0	7134.8	138.6	132188.7	5.5	2.8	2.8	1317.4	26.2	24427.3	107761.4	43122.4	5817.4	112.4
Total																									**$ 2,192,989.17**	**$ 1,217,578.93**		

Castle Creek(East) WB - PM

Growth Rate	0.68%
Build % Reduction in Delay	
Left	91%
Through	80%
Right	44%

	No- Build																		Build									
Year	Delay			Passenger Vehicle Count (VpH)			Commercial Vehicle Count (VpH)			Total Passenger Vehicle Persons (PpH)			Total Commercial Vehicle Persons (PpH)			Total Passenger Annual Hours Delayed	Total Commercial Annual Hours Delayed	Total Time Value of Delay	Delay			Total Annual Passenger Hours Delayed	Total Commercial Hours Delayed	Total Time Value of Delay	Difference in Cost	Discounted Cost Savings	Passenger Hours Saved	Commercial Hours Saved
	L	T	R	L	T	R	L	T	R	L	T	R	L	T	R				L	T	R							
2022																												
2023																												
2024																												
2025	60	14	5	59	1086	20	1	34	0	87	1608	30	1	34	0	5942	115	110085	60	14	5	5942	115	110085	$ -	$ -	0	0
2026	60	14	5	59	1094	20	1	34	0	88	1619	30	1	34	0	5982	116	110834	60	14	5	5982	116	110834	$ -	$ -	0	0
2027	60	14	5	60	1101	20	1	34	0	88	1630	30	1	34	0	6023	117	111587	60	14	5	6023	117	111587	$ -	$ -	0	0
2028	60	14	5	60	1109	20	1	34	0	89	1641	30	1	34	0	6064	118	112346	63	14	5	6367	124	117963	$ (5,617)	$ (4,677)	-303	-6
2029	60	14	5	60	1116	21	1	35	0	89	1652	30	1	35	0	6105	119	113110	63	14	5	6410	125	118765	$ (5,655)	$ (4,567)	-305	-6
2030	60	14	5	61	1124	21	1	35	0	90	1663	31	1	35	0	6147	119	113879	63	14	5	6454	125	119573	$ (5,694)	$ (4,460)	-307	-6
2031	60	14	5	61	1131	21	1	35	0	91	1675	31	1	35	0	6188	120	114653	6	3	3	1143	23	21187	$ 93,466	$ 71,011	5046	97
2032	60	14	5	62	1139	21	1	35	0	91	1686	31	1	35	0	6230	121	115433	6	3	3	1150	23	21331	$ 94,102	$ 69,345	5080	98
2033	60	14	5	62	1147	21	1	35	0	92	1697	31	1	35	0	6273	122	116218	6	3	3	1158	23	21476	$ 94,742	$ 67,717	5115	99
2034	60	14	5	62	1155	21	1	36	0	92	1709	31	1	36	0	6315	123	117008	6	3	3	1166	23	21622	$ 95,386	$ 66,127	5149	99
2035	60	14	5	63	1163	21	1	36	0	93	1721	32	1	36	0	6358	124	117804	6	3	3	1174	23	21769	$ 96,035	$ 64,575	5184	100
2036	60	14	5	63	1170	22	1	36	0	94	1732	32	1	36	0	6402	124	118605	6	3	3	1182	24	21917	$ 96,688	$ 63,060	5220	101
2037	60	14	5	64	1178	22	1	36	0	94	1744	32	1	36	0	6445	125	119412	6	3	3	1190	24	22066	$ 97,345	$ 61,579	5255	102
2038	60	14	5	64	1186	22	1	37	0	95	1756	32	1	37	0	6489	126	120224	6	3	3	1198	24	22216	$ 98,007	$ 60,134	5291	102
2039	60	14	5	65	1195	22	1	37	0	96	1768	33	1	37	0	6533	127	121041	6	3	3	1206	24	22367	$ 98,674	$ 58,722	5327	103
2040	60	14	5	65	1203	22	1	37	0	96	1780	33	1	37	0	6578	128	121864	6	3	3	1214	24	22519	$ 99,345	$ 57,344	5363	104
2041	60	14	5	66	1211	22	1	37	0	97	1792	33	1	37	0	6622	129	122693	6	3	3	1223	24	22673	$ 100,020	$ 55,998	5399	104
2042	60	14	5	66	1219	22	1	38	0	98	1804	33	1	38	0	6667	130	123527	6	3	3	1231	24	22827	$ 100,700	$ 54,684	5436	105
2043	60	14	5	66	1227	23	1	38	0	98	1816	33	1	38	0	6713	130	124367	6	3	3	1239	25	22982	$ 101,385	$ 53,400	5473	106
2044	60	14	5	67	1236	23	1	38	0	99	1829	34	1	38	0	6758	131	125213	6	3	3	1248	25	23138	$ 102,075	$ 52,147	5510	106
2045	60	14	5	67	1244	23	1	38	0	100	1841	34	1	38	0	6804	132	126064	6	3	3	1256	25	23296	$ 102,769	$ 50,923	5548	107
2046	60	14	5	68	1253	23	1	39	0	100	1854	34	1	39	0	6850	133	126922	6	3	3	1265	25	23454	$ 103,468	$ 49,727	5586	108
2047	60	14	5	68	1261	23	1	39	0	101	1866	34	1	39	0	6897	134	127785	6	3	3	1273	25	23613	$ 104,171	$ 48,560	5624	109
2048	60	14	5	69	1270	23	1	39	0	102	1879	35	1	39	0	6944	135	128654	6	3	3	1282	25	23774	$ 104,879	$ 47,420	5662	109
2049	60	14	5	69	1278	24	1	40	0	102	1892	35	1	40	0	6991	136	129528	6	3	3	1291	26	23936	$ 105,593	$ 46,307	5700	110
2050	60	14	5	70	1287	24	1	40	0	103	1905	35	1	40	0	7039	137	130409	6	3	3	1300	26	24098	$ 106,311	$ 45,220	5739	111
2051	60	14	5	70	1296	24	1	40	0	104	1918	35	1	40	0	7087	138	131296	6	3	3	1308	26	24262	$ 107,034	$ 44,159	5778	112
2052	60.3	13.7	5.0	70.6	1304.5	24.0	1.4	40.3	0.0	104.5	1930.7	35.5	1.4	40.3	0.0	7134.8	138.6	132188.7	5.5	2.8	2.8	1317.4	26.2	24427.3	107761.4	43122.4	5817.4	112.4
Total																									**$ 2,192,989.17**	**$ 1,217,578.93**		

Castle Creek(East) NB - PM

Growth Rate	0.68%
Build % Reduction in Delay	
Left	25%
Through	29%
Right	29%

	No- Build																		Build									
Year	Delay			Passenger Vehicle Count (VpH)			Commercial Vehicle Count (VpH)			Total Passenger Vehicle Persons (PpH)			Total Commercial Vehicle Persons (PpH)			Total Passenger Annual Hours Delayed	Total Commercial Annual Hours Delayed	Total Time Value of Delay	Delay			Total Annual Passenger Hours Delayed	Total Commercial Hours Delayed	Total Time Value of Delay	Difference in Cost	Discounted Cost Savings	Passenger Hours Saved	Commercial Hours Saved
	L	T	R	L	T	R	L	T	R	L	T	R	L	T	R				L	T	R							
2022																												
2023																												
2024																												
2025	65	70	70	15	30	115	0	0	0	22	44	170	0	0	0	3557	0	63673	65	70	70	3557	0	63673	$ -	$ -	0	0
2026	65	70	70	15	30	116	0	0	0	22	45	171	0	0	0	3581	0	64106	65	70	70	3581	0	64106	$ -	$ -	0	0
2027	65	70	70	15	31	117	0	0	0	23	45	174	0	0	0	3630	0	64981	65	70	70	3630	0	64981	$ -	$ -	0	0
2028	65	70	70	16	31	120	0	0	0	23	46	177	0	0	0	3705	0	66316	68	73	73	3890	0	69631	$ (3,316)	$ (2,761)	-185	0
2029	65	70	70	16	32	123	0	0	0	24	48	182	0	0	0	3807	0	68138	68	73	73	3997	0	71545	$ (3,407)	$ (2,751)	-190	0
2030	65	70	70	17	33	127	0	0	0	25	49	188	0	0	0	3938	0	70486	68	73	73	4135	0	74010	$ (3,524)	$ (2,761)	-197	0
2031	65	70	70	17	35	133	0	0	0	26	51	196	0	0	0	4101	0	73411	49	50	50	2933	0	52506	$ 20,906	$ 15,883	1168	0
2032	65	70	70	18	36	139	0	0	0	27	54	206	0	0	0	4300	0	76978	49	50	50	3076	0	55057	$ 21,921	$ 16,154	1225	0
2033	65	70	70	19	38	147	0	0	0	28	57	217	0	0	0	4540	0	81266	49	50	50	3247	0	58124	$ 23,143	$ 16,541	1293	0
2034	65	70	70	20	41	156	0	0	0	30	60	231	0	0	0	4826	0	86377	49	50	50	3451	0	61779	$ 24,598	$ 17,053	1374	0
2035	65	70	70	22	44	167	0	0	0	32	64	247	0	0	0	5164	0	92434	49	50	50	3693	0	66111	$ 26,323	$ 17,700	1471	0
2036	65	70	70	23	47	180	0	0	0	35	69	266	0	0	0	5564	0	99588	49	50	50	3979	0	71228	$ 28,360	$ 18,496	1584	0
2037	65	70	70	25	51	195	0	0	0	38	75	289	0	0	0	6035	0	108025	49	50	50	4316	0	77263	$ 30,763	$ 19,460	1719	0
2038	65	70	70	28	56	213	0	0	0	41	82	315	0	0	0	6591	0	117974	49	50	50	4714	0	84378	$ 33,596	$ 20,613	1877	0
2039	65	70	70	31	61	234	0	0	0	45	90	347	0	0	0	7247	0	129716	49	50	50	5183	0	92776	$ 36,940	$ 21,983	2064	0
2040	65	70	70	34	68	259	0	0	0	50	100	384	0	0	0	8022	0	143595	49	50	50	5738	0	102703	$ 40,892	$ 23,604	2284	0
2041	65	70	70	38	75	289	0	0	0	56	112	428	0	0	0	8941	0	160041	49	50	50	6395	0	114466	$ 45,576	$ 25,516	2546	0
2042	65	70	70	42	85	324	0	0	0	63	125	480	0	0	0	10033	0	179584	49	50	50	7176	0	128443	$ 51,141	$ 27,771	2857	0
2043	65	70	70	48	96	366	0	0	0	71	141	542	0	0	0	11334	0	202882	49	50	50	8107	0	145107	$ 57,776	$ 30,431	3228	0
2044	65	70	70	54	109	417	0	0	0	80	161	617	0	0	0	12892	0	230762	49	50	50	9221	0	165047	$ 65,715	$ 33,572	3671	0
2045	65	70	70	62	125	477	0	0	0	92	184	706	0	0	0	14763	0	264259	49	50	50	10559	0	189005	$ 75,254	$ 37,289	4204	0
2046	65	70	70	72	144	550	0	0	0	106	212	814	0	0	0	17021	0	304675	49	50	50	12174	0	217911	$ 86,764	$ 41,699	4847	0
2047	65	70	70	83	167	639	0	0	0	123	247	945	0	0	0	19758	0	353661	49	50	50	14131	0	252947	$ 100,714	$ 46,948	5626	0
2048	65	70	70	97	195	746	0	0	0	144	288	1105	0	0	0	23090	0	413315	49	50	50	16515	0	295613	$ 117,701	$ 53,218	6575	0
2049	65	70	70	115	229	878	0	0	0	170	339	1300	0	0	0	27168	0	486315	49	50	50	19432	0	347825	$ 138,490	$ 60,734	7737	0
2050	65	70	70	136	271	1040	0	0	0	201	402	1540	0	0	0	32184	0	576100	49	50	50	23019	0	412042	$ 164,058	$ 69,784	9165	0
2051	65	70	70	162	324	1241	0	0	0	240	479	1837	0	0	0	38386	0	687102	49	50	50	27454	0	491433	$ 195,669	$ 80,727	10931	0
2052	64.8	69.8	69.8	194.4	388.7	1490.2	0.0	0.0	0.0	287.7	575.3	2205.4	0.0	0.0	0.0	46093.0	0.0	825064.8	48.5	49.7	49.7	32966.9	0.0	590107.6	234957.2	94021.8	13126.1	0.0
Total																									**$ 1,611,008.91**	**$ 780,927.83**		

Castle Creek(East) SB - PM

Growth Rate	0.68%
Build % Reduction in Delay	
Left	52%
Through	25%
Right	25%

	No- Build																		Build									
Year	Delay			Passenger Vehicle Count (VpH)			Commercial Vehicle Count (VpH)			Total Passenger Vehicle Persons (PpH)			Total Commercial Vehicle Persons (PpH)			Total Passenger Annual Hours Delayed	Total Commercial Annual Hours Delayed	Total Time Value of Delay	Delay			Total Annual Passenger Hours Delayed	Total Commercial Hours Delayed	Total Time Value of Delay	Difference in Cost	Discounted Cost Savings	Passenger Hours Saved	Commercial Hours Saved
	L	T	R	L	T	R	L	T	R	L	T	R	L	T	R				L	T	R							
2022																												
2023																												
2024																												
2025	160	65	64	40	30	45	0	0	0	59	44	67	0	0	0	3594	0	64330	160	65	64	3594	0	64330	$ -	$ -	0	0
2026	160	65	64	40	30	45	0	0	0	60	45	67	0	0	0	3618	0	64768	160	65	64	3618	0	64768	$ -	$ -	0	0
2027	160	65	64	41	30	46	0	0	0	60	45	68	0	0	0	3643	0	65208	160	65	64	3643	0	65208	$ -	$ -	0	0
2028	160	65	64	41	31	46	0	0	0	60	45	68	0	0	0	3668	0	65652	168	68	67	3851	0	68934	$ (3,283)	$ (2,733)	-183	0
2029	160	65	64	41	31	46	0	0	0	61	46	68	0	0	0	3693	0	66098	168	68	67	3877	0	69403	$ (3,305)	$ (2,669)	-185	0
2030	160	65	64	41	31	47	0	0	0	61	46	69	0	0	0	3718	0	66547	168	68	67	3904	0	69875	$ (3,327)	$ (2,606)	-186	0
2031	160	65	64	42	31	47	0	0	0	62	46	69	0	0	0	3743	0	67000	77	49	48	2224	0	39811	$ 27,189	$ 20,657	1519	0
2032	160	65	64	42	31	47	0	0	0	62	47	70	0	0	0	3768	0	67456	77	49	48	2239	0	40082	$ 27,373	$ 20,172	1529	0
2033	160	65	64	42	32	48	0	0	0	62	47	70	0	0	0	3794	0	67914	77	49	48	2254	0	40355	$ 27,560	$ 19,698	1540	0
2034	160	65	64	43	32	48	0	0	0	63	47	71	0	0	0	3820	0	68376	77	49	48	2270	0	40629	$ 27,747	$ 19,236	1550	0
2035	160	65	64	43	32	48	0	0	0	63	48	71	0	0	0	3846	0	68841	77	49	48	2285	0	40905	$ 27,936	$ 18,784	1561	0
2036	160	65	64	43	32	48	0	0	0	64	48	72	0	0	0	3872	0	69309	77	49	48	2301	0	41184	$ 28,126	$ 18,343	1571	0
2037	160	65	64	43	33	49	0	0	0	64	48	72	0	0	0	3898	0	69781	77	49	48	2316	0	41464	$ 28,317	$ 17,913	1582	0
2038	160	65	64	44	33	49	0	0	0	65	48	73	0	0	0	3925	0	70255	77	49	48	2332	0	41746	$ 28,509	$ 17,492	1593	0
2039	160	65	64	44	33	49	0	0	0	65	49	73	0	0	0	3952	0	70733	77	49	48	2348	0	42029	$ 28,703	$ 17,082	1604	0
2040	160	65	64	44	33	50	0	0	0	66	49	74	0	0	0	3978	0	71214	77	49	48	2364	0	42315	$ 28,899	$ 16,681	1614	0
2041	160	65	64	45	33	50	0	0	0	66	49	74	0	0	0	4005	0	71698	77	49	48	2380	0	42603	$ 29,095	$ 16,289	1625	0
2042	160	65	64	45	34	50	0	0	0	66	50	75	0	0	0	4033	0	72186	77	49	48	2396	0	42893	$ 29,293	$ 15,907	1636	0
2043	160	65	64	45	34	51	0	0	0	67	50	75	0	0	0	4060	0	72676	77	49	48	2413	0	43184	$ 29,492	$ 15,534	1648	0
2044	160	65	64	45	34	51	0	0	0	67	51	76	0	0	0	4088	0	73171	77	49	48	2429	0	43478	$ 29,693	$ 15,169	1659	0
2045	160	65	64	46	34	52	0	0	0	68	51	76	0	0	0	4116	0	73668	77	49	48	2445	0	43774	$ 29,895	$ 14,813	1670	0
2046	160	65	64	46	35	52	0	0	0	68	51	77	0	0	0	4144	0	74169	77	49	48	2462	0	44071	$ 30,098	$ 14,465	1681	0
2047	160	65	64	46	35	52	0	0	0	69	52	77	0	0	0	4172	0	74673	77	49	48	2479	0	44371	$ 30,302	$ 14,126	1693	0
2048	160	65	64	47	35	53	0	0	0	69	52	78	0	0	0	4200	0	75181	77	49	48	2496	0	44673	$ 30,509	$ 13,794	1704	0
2049	160	65	64	47	35	53	0	0	0	70	52	78	0	0	0	4229	0	75692	77	49	48	2513	0	44976	$ 30,716	$ 13,470	1716	0
2050	160	65	64	47	36	53	0	0	0	70	53	79	0	0	0	4257	0	76207	77	49	48	2530	0	45282	$ 30,925	$ 13,154	1728	0
2051	160	65	64	48	36	54	0	0	0	71	53	79	0	0	0	4286	0	76725	77	49	48	2547	0	45590	$ 31,135	$ 12,845	1739	0
2052	160.0	65.0	63.5	48.0	36.0	54.0	0.0	0.0	0.0	71.1	53.3	80.0	0.0	0.0	0.0	4315.5	0.0	77247.1	76.6	48.6	47.5	2564.3	0.0	45900.3	31346.8	12543.9	1751.2	0.0
Total																									**$ 632,941.94**	**$ 350,161.06**		

Castle Creek (East) EB-SAT

Castle Creek (East) EB-SAT

Growth Rate	0.68%
Build % Reduction in Delay	
Left	43%
Through	#DIV/0!
Right	32%

	No- Build																		Build									
Year	Delay			Passenger Vehicle Count (VpH)			Commercial Vehicle Count (VpH)			Total Passenger Vehicle Persons (PpH)			Total Commercial Vehicle Persons (PpH)			Total Passenger Annual Hours Delayed	Total Commercial Annual Hours Delayed	Total Time Value of Delay	Delay			Total Annual Passenger Hours Delayed	Total Commercial Hours Delayed	Total Time Value of Delay	Difference in Cost	Discounted Cost Savings	Passenger Hours Saved	Commercial Hours Saved
	L	T	R	L	T	R	L	T	R	L	T	R	L	T	R				L	T	R							
2022																												
2023																												
2024																												
2025	62	9	3	118	1055	17	0	11	0	238	2131	35	0	11	0	2974	8	53497	62	9	3	2974	8	53497	$ -	$ -	0	0
2026	62	9	3	119	1062	18	0	11	0	240	2145	36	0	11	0	2994	8	53861	62	9	3	2994	8	53861	$ -	$ -	0	0
2027	62	9	3	119	1069	18	0	11	0	241	2160	36	0	11	0	3014	9	54227	62	9	3	3014	9	54227	$ -	$ -	0	0
2028	62	9	3	120	1076	18	0	11	0	243	2174	36	0	11	0	3035	9	54596	65	9	3	3186	9	57325	$ (2,730)	$ (2,273)	-152	0
2029	62	9	3	121	1084	18	0	11	0	245	2189	36	0	11	0	3055	9	54967	65	9	3	3208	9	57715	$ (2,748)	$ (2,220)	-153	0
2030	62	9	3	122	1091	18	0	11	0	246	2204	36	0	11	0	3076	9	55341	65	9	3	3230	9	58108	$ (2,767)	$ (2,167)	-154	0
2031	62	9	3	123	1098	18	0	11	0	248	2219	37	0	11	0	3097	9	55717	6	10	10	2062	10	37222	$ 18,495	$ 14,052	1035	-1
2032	62	9	3	124	1106	18	0	11	0	250	2234	37	0	11	0	3118	9	56096	6	10	10	2076	10	37475	$ 18,621	$ 13,722	1042	-1
2033	62	9	3	124	1113	18	0	11	0	251	2249	37	0	11	0	3139	9	56477	6	10	10	2090	10	37730	$ 18,747	$ 13,400	1049	-1
2034	62	9	3	125	1121	19	0	11	0	253	2264	37	0	11	0	3161	9	56861	6	10	10	2105	10	37986	$ 18,875	$ 13,085	1056	-1
2035	62	9	3	126	1129	19	0	11	0	255	2280	38	0	11	0	3182	9	57248	6	10	10	2119	10	38245	$ 19,003	$ 12,778	1063	-1
2036	62	9	3	127	1136	19	0	11	0	257	2295	38	0	11	0	3204	9	57637	6	10	10	2133	10	38505	$ 19,132	$ 12,478	1070	-1
2037	62	9	3	128	1144	19	0	12	0	258	2311	38	0	12	0	3225	9	58029	6	10	10	2148	10	38767	$ 19,262	$ 12,185	1078	-1
2038	62	9	3	129	1152	19	0	12	0	260	2327	39	0	12	0	3247	9	58424	6	10	10	2162	10	39030	$ 19,393	$ 11,899	1085	-1
2039	62	9	3	130	1160	19	0	12	0	262	2343	39	0	12	0	3269	9	58821	6	10	10	2177	10	39296	$ 19,525	$ 11,620	1092	-1
2040	62	9	3	131	1168	19	0	12	0	264	2358	39	0	12	0	3292	9	59221	6	10	10	2192	10	39563	$ 19,658	$ 11,347	1100	-1
2041	62	9	3	131	1175	19	0	12	0	265	2375	39	0	12	0	3314	9	59624	6	10	10	2207	10	39832	$ 19,792	$ 11,081	1107	-1
2042	62	9	3	132	1183	20	0	12	0	267	2391	40	0	12	0	3337	9	60029	6	10	10	2222	10	40103	$ 19,926	$ 10,821	1115	-1
2043	62	9	3	133	1192	20	0	12	0	269	2407	40	0	12	0	3359	9	60437	6	10	10	2237	10	40375	$ 20,062	$ 10,567	1122	-1
2044	62	9	3	134	1200	20	0	12	0	271	2423	40	0	12	0	3382	10	60848	6	10	10	2252	10	40650	$ 20,198	$ 10,319	1130	-1
2045	62	9	3	135	1208	20	0	12	0	273	2440	40	0	12	0	3405	10	61262	6	10	10	2268	10	40926	$ 20,336	$ 10,076	1138	-1
2046	62	9	3	136	1216	20	0	12	0	275	2456	41	0	12	0	3428	10	61679	6	10	10	2283	11	41205	$ 20,474	$ 9,840	1145	-1
2047	62	9	3	137	1224	20	0	12	0	276	2473	41	0	12	0	3452	10	62098	6	10	10	2298	11	41485	$ 20,613	$ 9,609	1153	-1
2048	62	9	3	138	1233	20	0	12	0	278	2490	41	0	12	0	3475	10	62520	6	10	10	2314	11	41767	$ 20,753	$ 9,383	1161	-1
2049	62	9	3	139	1241	21	0	13	0	280	2507	42	0	13	0	3499	10	62945	6	10	10	2330	11	42051	$ 20,894	$ 9,163	1169	-1
2050	62	9	3	140	1249	21	0	13	0	282	2524	42	0	13	0	3522	10	63373	6	10	10	2346	11	42337	$ 21,036	$ 8,948	1177	-1
2051	62	9	3	141	1258	21	0	13	0	284	2541	42	0	13	0	3546	10	63804	6	10	10	2362	11	42625	$ 21,180	$ 8,738	1185	-1
2052	61.8	9.0	2.6	141.6	1266.5	21.0	0.0	12.8	0.0	285.9	2558.3	42.4	0.0	12.8	0.0	3570.6	10.1	64238.3	5.9	9.8	9.8	2377.7	11.0	42914.7	21323.6	8533.0	1192.9	-0.9
Total																									**$ 429,055.52**	**$ 236,983.52**		

Castle Creek (East) WB-SAT

Growth Rate	0.68%
Build % Reduction in Delay	
Left	43%
Through	#DIV/0!
Right	32%

	No- Build																		Build									
Year	Delay			Passenger Vehicle Count (VpH)			Commercial Vehicle Count (VpH)			Total Passenger Vehicle Persons (PpH)			Total Commercial Vehicle Persons (PpH)			Total Passenger Annual Hours Delayed	Total Commercial Annual Hours Delayed	Total Time Value of Delay	Delay			Total Annual Passenger Hours Delayed	Total Commercial Hours Delayed	Total Time Value of Delay	Difference in Cost	Discounted Cost Savings	Passenger Hours Saved	Commercial Hours Saved
	L	T	R	L	T	R	L	T	R	L	T	R	L	T	R				L	T	R							
2022																												
2023																												
2024																												
2025	16	35	3	57	1314	39	0	27	0	115	2654	79	0	27	0	8351	83	152159	16	35	3	8351	83	152159	$ -	$ -	0	0
2026	16	35	3	57	1323	40	0	27	0	115	2672	80	0	27	0	8408	83	153193	16	35	3	8408	83	153193	$ -	$ -	0	0
2027	16	35	3	58	1332	40	0	27	0	116	2690	80	0	27	0	8465	84	154235	16	35	3	8465	84	154235	$ -	$ -	0	0
2028	16	35	3	58	1341	40	0	27	0	117	2708	81	0	27	0	8523	84	155284	17	37	3	8949	88	163048	$ (7,764)	$ (6,465)	-426	-4
2029	16	35	3	58	1350	40	0	28	0	118	2726	82	0	28	0	8581	85	156340	17	37	3	9010	89	164157	$ (7,817)	$ (6,313)	-429	-4
2030	16	35	3	59	1359	41	0	28	0	119	2745	82	0	28	0	8639	85	157403	17	37	3	9071	90	165273	$ (7,870)	$ (6,165)	-432	-4
2031	16	35	3	59	1368	41	0	28	0	119	2764	83	0	28	0	8698	86	158473	3	6	6	1404	13	25570	$ 132,903	$ 100,973	7294	73
2032	16	35	3	60	1377	41	0	28	0	120	2782	83	0	28	0	8757	87	159551	3	6	6	1414	14	25744	$ 133,807	$ 98,603	7343	73
2033	16	35	3	60	1387	41	0	28	0	121	2801	84	0	28	0	8817	87	160636	3	6	6	1423	14	25919	$ 134,716	$ 96,289	7393	74
2034	16	35	3	60	1396	42	0	28	0	122	2820	84	0	28	0	8877	88	161728	3	6	6	1433	14	26096	$ 135,632	$ 94,029	7444	74
2035	16	35	3	61	1406	42	0	29	0	123	2840	85	0	29	0	8937	88	162828	3	6	6	1443	14	26273	$ 136,555	$ 91,821	7494	75
2036	16	35	3	61	1415	42	0	29	0	124	2859	86	0	29	0	8998	89	163935	3	6	6	1453	14	26452	$ 137,483	$ 89,666	7545	75
2037	16	35	3	62	1425	43	0	29	0	124	2878	86	0	29	0	9059	90	165050	3	6	6	1463	14	26632	$ 138,418	$ 87,562	7596	76
2038	16	35	3	62	1435	43	0	29	0	125	2898	87	0	29	0	9121	90	166172	3	6	6	1472	14	26813	$ 139,359	$ 85,506	7648	76
2039	16	35	3	62	1444	43	0	29	0	126	2918	87	0	29	0	9183	91	167302	3	6	6	1483	14	26995	$ 140,307	$ 83,499	7700	77
2040	16	35	3	63	1454	44	0	30	0	127	2937	88	0	30	0	9245	91	168440	3	6	6	1493	14	27179	$ 141,261	$ 81,539	7753	77
2041	16	35	3	63	1464	44	0	30	0	128	2957	88	0	30	0	9308	92	169585	3	6	6	1503	14	27363	$ 142,222	$ 79,625	7805	78
2042	16	35	3	64	1474	44	0	30	0	129	2978	89	0	30	0	9371	93	170738	3	6	6	1513	14	27549	$ 143,189	$ 77,756	7858	78
2043	16	35	3	64	1484	44	0	30	0	130	2998	90	0	30	0	9435	93	171899	3	6	6	1523	15	27737	$ 144,163	$ 75,931	7912	79
2044	16	35	3	65	1494	45	0	30	0	130	3018	90	0	30	0	9499	94	173068	3	6	6	1534	15	27925	$ 145,143	$ 74,149	7966	79
2045	16	35	3	65	1504	45	0	31	0	131	3039	91	0	31	0	9564	95	174245	3	6	6	1544	15	28115	$ 146,130	$ 72,409	8020	80
2046	16	35	3	65	1515	45	0	31	0	132	3059	92	0	31	0	9629	95	175430	3	6	6	1555	15	28306	$ 147,124	$ 70,709	8074	80
2047	16	35	3	66	1525	46	0	31	0	133	3080	92	0	31	0	9694	96	176623	3	6	6	1565	15	28499	$ 148,124	$ 69,049	8129	81
2048	16	35	3	66	1535	46	0	31	0	134	3101	93	0	31	0	9760	96	177824	3	6	6	1576	15	28693	$ 149,131	$ 67,428	8184	81
2049	16	35	3	67	1546	46	0	32	0	135	3122	93	0	32	0	9827	97	179033	3	6	6	1586	15	28888	$ 150,145	$ 65,846	8240	82
2050	16	35	3	67	1556	47	0	32	0	136	3143	94	0	32	0	9893	98	180251	3	6	6	1597	15	29084	$ 151,166	$ 64,300	8296	83
2051	16	35	3	68	1567	47	0	32	0	137	3165	95	0	32	0	9961	98	181476	3	6	6	1608	15	29282	$ 152,194	$ 62,791	8353	83
2052	15.8	35.2	2.9	68.2	1577.4	47.2	0.0	32.2	0.0	137.7	3186.3	95.3	0.0	32.2	0.0	10028.4	99.1	182710.3	3.3	5.5	5.5	1619.0	15.5	29481.2	153229.1	61317.1	8409.3	83.7
Total																									**$ 3,118,950.47**	**$ 1,731,856.12**		

Castle Creek (East) NB-SAT

Growth Rate	0.68%
Build % Reduction in Delay	
Left	43%
Through	#DIV/0!
Right	32%

	No- Build																		Build									
Year	Delay			Passenger Vehicle Count (VpH)			Commercial Vehicle Count (VpH)			Total Passenger Vehicle Persons (PpH)			Total Commercial Vehicle Persons (PpH)			Total Passenger Annual Hours Delayed	Total Commercial Annual Hours Delayed	Total Time Value of Delay	Delay			Total Annual Passenger Hours Delayed	Total Commercial Hours Delayed	Total Time Value of Delay	Difference in Cost	Discounted Cost Savings	Passenger Hours Saved	Commercial Hours Saved
	L	T	R	L	T	R	L	T	R	L	T	R	L	T	R				L	T	R							
2022																												
2023																												
2024																												
2025	68	69	69	17	35	92	0	0	0	35	71	185	0	0	0	1752	0	31354	68	69	69	1752	0	31354	$ -	$ -	0	0
2026	68	69	69	18	35	92	0	0	0	36	71	186	0	0	0	1764	0	31567	68	69	69	1764	0	31567	$ -	$ -	0	0
2027	68	69	69	18	35	93	0	0	0	36	72	188	0	0	0	1775	0	31781	68	69	69	1775	0	31781	$ -	$ -	0	0
2028	68	69	69	18	36	94	0	0	0	36	72	189	0	0	0	1788	0	31998	71	72	72	1877	0	33597	$ (1,600)	$ (1,332)	-89	0
2029	68	69	69	18	36	94	0	0	0	36	72	190	0	0	0	1800	0	32215	71	72	72	1890	0	33826	$ (1,611)	$ (1,301)	-90	0
2030	68	69	69	18	36	95	0	0	0	36	73	192	0	0	0	1812	0	32434	71	72	72	1903	0	34056	$ (1,622)	$ (1,270)	-91	0
2031	68	69	69	18	36	95	0	0	0	37	73	193	0	0	0	1824	0	32655	43	43	43	1148	0	20541	$ 12,114	$ 9,204	677	0
2032	68	69	69	18	37	96	0	0	0	37	74	194	0	0	0	1837	0	32877	43	43	43	1155	0	20680	$ 12,196	$ 8,988	681	0
2033	68	69	69	18	37	97	0	0	0	37	74	196	0	0	0	1849	0	33100	43	43	43	1163	0	20821	$ 12,279	$ 8,777	686	0
2034	68	69	69	19	37	97	0	0	0	37	75	197	0	0	0	1862	0	33325	43	43	43	1171	0	20963	$ 12,363	$ 8,571	691	0
2035	68	69	69	19	37	98	0	0	0	38	76	198	0	0	0	1874	0	33552	43	43	43	1179	0	21105	$ 12,447	$ 8,370	695	0
2036	68	69	69	19	38	99	0	0	0	38	76	200	0	0	0	1887	0	33780	43	43	43	1187	0	21249	$ 12,532	$ 8,173	700	0
2037	68	69	69	19	38	99	0	0	0	38	77	201	0	0	0	1900	0	34010	43	43	43	1195	0	21393	$ 12,617	$ 7,981	705	0
2038	68	69	69	19	38	100	0	0	0	39	77	202	0	0	0	1913	0	34241	43	43	43	1203	0	21539	$ 12,703	$ 7,794	710	0
2039	68	69	69	19	38	101	0	0	0	39	78	204	0	0	0	1926	0	34474	43	43	43	1211	0	21685	$ 12,789	$ 7,611	714	0
2040	68	69	69	19	39	102	0	0	0	39	78	205	0	0	0	1939	0	34708	43	43	43	1220	0	21832	$ 12,876	$ 7,432	719	0
2041	68	69	69	19	39	102	0	0	0	39	79	206	0	0	0	1952	0	34944	43	43	43	1228	0	21981	$ 12,963	$ 7,258	724	0
2042	68	69	69	20	39	103	0	0	0	40	79	208	0	0	0	1965	0	35182	43	43	43	1236	0	22130	$ 13,052	$ 7,087	729	0
2043	68	69	69	20	39	104	0	0	0	40	80	209	0	0	0	1979	0	35421	43	43	43	1245	0	22281	$ 13,140	$ 6,921	734	0
2044	68	69	69	20	40	104	0	0	0	40	80	211	0	0	0	1992	0	35662	43	43	43	1253	0	22432	$ 13,230	$ 6,759	739	0
2045	68	69	69	20	40	105	0	0	0	40	81	212	0	0	0	2006	0	35905	43	43	43	1262	0	22585	$ 13,320	$ 6,600	744	0
2046	68	69	69	20	40	106	0	0	0	41	81	214	0	0	0	2019	0	36149	43	43	43	1270	0	22739	$ 13,410	$ 6,445	749	0
2047	68	69	69	20	41	106	0	0	0	41	82	215	0	0	0	2033	0	36395	43	43	43	1279	0	22893	$ 13,501	$ 6,294	754	0
2048	68	69	69	20	41	107	0	0	0	41	82	216	0	0	0	2047	0	36642	43	43	43	1288	0	23049	$ 13,593	$ 6,146	759	0
2049	68	69	69	21	41	108	0	0	0	42	83	218	0	0	0	2061	0	36891	43	43	43	1296	0	23206	$ 13,686	$ 6,002	765	0
2050	68	69	69	21	41	109	0	0	0	42	84	219	0	0	0	2075	0	37142	43	43	43	1305	0	23363	$ 13,779	$ 5,861	770	0
2051	68	69	69	21	42	109	0	0	0	42	84	221	0	0	0	2089	0	37395	43	43	43	1314	0	23522	$ 13,872	$ 5,723	775	0
2052	67.9	68.9	68.9	21.0	41.9	110.1	0.0	0.0	0.0	42.4	84.7	222.4	0.0	0.0	0.0	2103.3	0.0	37649.0	43.0	43.3	43.3	1323.0	0.0	23682.2	13966.8	5589.0	780.3	0.0
Total																									**$ 281,596.90**	**$ 155,681.68**		

Castle Creek (East) SB-SAT

Growth Rate	0.68%
Build % Reduction in Delay	
Left	43%
Through	#DIV/0!
Right	32%

	No- Build																		Build									
Year	Delay			Passenger Vehicle Count (VpH)			Commercial Vehicle Count (VpH)			Total Passenger Vehicle Persons (PpH)			Total Commercial Vehicle Persons (PpH)			Total Passenger Annual Hours Delayed	Total Commercial Annual Hours Delayed	Total Time Value of Delay	Delay			Total Annual Passenger Hours Delayed	Total Commercial Hours Delayed	Total Time Value of Delay	Difference in Cost	Discounted Cost Savings	Passenger Hours Saved	Commercial Hours Saved
	L	T	R	L	T	R	L	T	R	L	T	R	L	T	R				L	T	R							
2022																												
2023																												
2024																												
2025	66	66	66	48	35	60	0	0	1	97	71	121	0	0	1	1667	7	30061	66	66	66	1667	7	30061	$ -	$ -	0	0
2026	66	66	66	48	35	60	0	0	1	98	71	122	0	0	1	1678	7	30265	66	66	66	1678	7	30265	$ -	$ -	0	0
2027	66	66	66	49	35	61	0	0	1	98	72	123	0	0	1	1689	7	30471	66	66	66	1689	7	30471	$ -	$ -	0	0
2028	66	66	66	49	36	61	0	0	1	99	72	123	0	0	1	1701	7	30679	69	70	69	1786	8	32212	$ (1,534)	$ (1,277)	-85	0
2029	66	66	66	49	36	62	0	0	1	100	72	124	0	0	1	1713	7	30887	69	70	69	1798	8	32431	$ (1,544)	$ (1,247)	-86	0
2030	66	66	66	50	36	62	0	0	1	100	73	125	0	0	1	1724	7	31097	69	70	69	1810	8	32652	$ (1,555)	$ (1,218)	-86	0
2031	66	66	66	50	36	62	0	0	1	101	73	126	0	0	1	1736	7	31309	42	42	42	1103	5	19890	$ 11,419	$ 8,676	633	3
2032	66	66	66	50	37	63	0	0	1	102	74	127	0	0	1	1748	7	31522	42	42	42	1110	5	20025	$ 11,497	$ 8,472	637	3
2033	66	66	66	51	37	63	0	0	1	102	74	128	0	0	1	1760	7	31736	42	42	42	1118	5	20161	$ 11,575	$ 8,273	642	3
2034	66	66	66	51	37	64	0	0	1	103	75	129	0	0	1	1772	7	31952	42	42	42	1125	5	20298	$ 11,653	$ 8,079	646	3
2035	66	66	66	51	37	64	0	0	1	104	76	129	0	0	1	1784	8	32169	42	42	42	1133	5	20436	$ 11,733	$ 7,889	651	3
2036	66	66	66	52	38	65	0	0	1	105	76	130	0	0	1	1796	8	32388	42	42	42	1141	5	20575	$ 11,813	$ 7,704	655	3
2037	66	66	66	52	38	65	0	0	1	105	77	131	0	0	1	1808	8	32608	42	42	42	1149	5	20715	$ 11,893	$ 7,523	659	3
2038	66	66	66	52	38	65	0	0	1	106	77	132	0	0	1	1820	8	32830	42	42	42	1156	5	20856	$ 11,974	$ 7,347	664	3
2039	66	66	66	53	38	66	0	0	1	107	78	133	0	0	1	1833	8	33053	42	42	42	1164	5	20998	$ 12,055	$ 7,174	668	3
2040	66	66	66	53	39	66	0	0	1	107	78	134	0	0	1	1845	8	33278	42	42	42	1172	5	21141	$ 12,137	$ 7,006	673	3
2041	66	66	66	54	39	67	0	0	1	108	79	135	0	0	1	1858	8	33504	42	42	42	1180	5	21284	$ 12,220	$ 6,841	678	3
2042	66	66	66	54	39	67	0	0	1	109	79	136	0	0	1	1870	8	33732	42	42	42	1188	5	21429	$ 12,303	$ 6,681	682	3
2043	66	66	66	54	39	68	0	0	1	110	80	137	0	0	1	1883	8	33961	42	42	42	1196	5	21575	$ 12,386	$ 6,524	687	3
2044	66	66	66	55	40	68	0	0	1	110	80	138	0	0	1	1896	8	34192	42	42	42	1204	5	21721	$ 12,471	$ 6,371	691	3
2045	66	66	66	55	40	69	0	0	1	111	81	139	0	0	1	1909	8	34425	42	42	42	1213	5	21869	$ 12,555	$ 6,221	696	3
2046	66	66	66	55	40	69	0	0	1	112	81	140	0	0	1	1922	8	34659	42	42	42	1221	5	22018	$ 12,641	$ 6,075	701	3
2047	66	66	66	56	41	70	0	0	1	113	82	140	0	0	1	1935	8	34894	42	42	42	1229	5	22168	$ 12,727	$ 5,933	706	3
2048	66	66	66	56	41	70	0	0	1	113	82	141	0	0	1	1948	8	35132	42	42	42	1237	5	22318	$ 12,813	$ 5,793	710	3
2049	66	66	66	57	41	70	0	0	1	114	83	142	0	0	1	1961	8	35371	42	42	42	1246	5	22470	$ 12,900	$ 5,657	715	3
2050	66	66	66	57	41	71	0	0	1	115	84	143	0	0	1	1974	8	35611	42	42	42	1254	5	22623	$ 12,988	$ 5,525	720	3
2051	66	66	66	57	42	71	0	0	1	116	84	144	0	0	1	1988	8	35853	42	42	42	1263	5	22777	$ 13,076	$ 5,395	725	3
2052	66.1	66.4	65.7	57.7	41.9	71.9	0.0	0.0	1.5	116.5	84.7	145.3	0.0	0.0	1.5	2001.4	8.4	36097.0	41.9	42.2	41.8	1271.4	5.4	22931.6	13165.4	5268.3	730.0	3.1
Total																									**$ 265,360.77**	**$ 146,685.59**		

Seven Fields Blvd EB - AM

Growth Rate	0.68%
Build % Reduction in Delay	
Left	46%
Through	57%
Right	-5%

	No- Build																		Build									
Year	Delay			Passenger Vehicle Count (VpH)			Commercial Vehicle Count (VpH)			Total Passenger Vehicle Persons (PpH)			Total Commercial Vehicle Persons (PpH)			Total Passenger Annual Hours Delayed	Total Commercial Annual Hours Delayed	Total Time Value of Delay	Delay			Total Annual Passenger Hours Delayed	Total Commercial Hours Delayed	Total Time Value of Delay	Difference in Cost	Discounted Cost Savings	Passenger Hours Saved	Commercial Hours Saved
	L	T	R	L	T	R	L	T	R	L	T	R	L	T	R				L	T	R							
2022																												
2023																												
2024																												
2025	71	3	2	93	625	10	7	85	0	138	925	15	7	85	0	2722	163	53983	71	3	2	2722	163	53983	$ -	$ -	0	0
2026	71	3	2	94	629	10	7	86	0	139	931	15	7	86	0	2740	164	54350	71	3	2	2740	164	54350	$ -	$ -	0	0
2027	71	3	2	94	633	10	7	86	0	140	937	15	7	86	0	2759	165	54720	71	3	2	2759	165	54720	$ -	$ -	0	0
2028	71	3	2	95	638	10	7	87	0	140	944	15	7	87	0	2778	166	55092	74	3	2	2917	175	57847	$ (2,755)	$ (2,294)	-139	-8
2029	71	3	2	96	642	10	7	88	0	141	950	15	7	88	0	2797	167	55467	74	3	2	2936	176	58240	$ (2,773)	$ (2,240)	-140	-8
2030	71	3	2	96	646	10	7	88	0	142	957	15	7	88	0	2816	169	55844	74	3	2	2956	177	58636	$ (2,792)	$ (2,187)	-141	-8
2031	71	3	2	97	651	10	7	89	0	143	963	15	7	89	0	2835	170	56223	38	1	2	1459	85	28854	$ 27,369	$ 20,794	1376	85
2032	71	3	2	98	655	10	7	89	0	144	970	16	7	89	0	2854	171	56606	38	1	2	1468	86	29050	$ 27,555	$ 20,306	1386	85
2033	71	3	2	98	660	11	7	90	0	145	976	16	7	90	0	2873	172	56991	38	1	2	1478	86	29248	$ 27,743	$ 19,829	1395	86
2034	71	3	2	99	664	11	7	91	0	146	983	16	7	91	0	2893	173	57378	38	1	2	1489	87	29447	$ 27,932	$ 19,364	1405	86
2035	71	3	2	100	669	11	7	91	0	147	990	16	7	91	0	2913	174	57768	38	1	2	1499	87	29647	$ 28,121	$ 18,909	1414	87
2036	71	3	2	100	673	11	8	92	0	148	996	16	8	92	0	2933	176	58161	38	1	2	1509	88	29849	$ 28,313	$ 18,465	1424	88
2037	71	3	2	101	678	11	8	92	0	149	1003	16	8	92	0	2952	177	58557	38	1	2	1519	89	30052	$ 28,505	$ 18,032	1433	88
2038	71	3	2	102	682	11	8	93	0	150	1010	16	8	93	0	2973	178	58955	38	1	2	1529	89	30256	$ 28,699	$ 17,609	1443	89
2039	71	3	2	102	687	11	8	94	0	151	1017	16	8	94	0	2993	179	59356	38	1	2	1540	90	30462	$ 28,894	$ 17,195	1453	89
2040	71	3	2	103	692	11	8	94	0	152	1024	16	8	94	0	3013	180	59759	38	1	2	1550	90	30669	$ 29,091	$ 16,792	1463	90
2041	71	3	2	104	696	11	8	95	0	153	1031	16	8	95	0	3034	182	60166	38	1	2	1561	91	30877	$ 29,288	$ 16,398	1473	91
2042	71	3	2	104	701	11	8	96	0	154	1038	17	8	96	0	3054	183	60575	38	1	2	1571	92	31087	$ 29,488	$ 16,013	1483	91
2043	71	3	2	105	706	11	8	96	0	155	1045	17	8	96	0	3075	184	60987	38	1	2	1582	92	31299	$ 29,688	$ 15,637	1493	92
2044	71	3	2	106	711	11	8	97	0	157	1052	17	8	97	0	3096	185	61402	38	1	2	1593	93	31511	$ 29,890	$ 15,270	1503	92
2045	71	3	2	106	715	11	8	98	0	158	1059	17	8	98	0	3117	187	61819	38	1	2	1604	93	31726	$ 30,093	$ 14,911	1513	93
2046	71	3	2	107	720	12	8	98	0	159	1066	17	8	98	0	3138	188	62239	38	1	2	1615	94	31942	$ 30,298	$ 14,561	1524	94
2047	71	3	2	108	725	12	8	99	0	160	1073	17	8	99	0	3159	189	62663	38	1	2	1626	95	32159	$ 30,504	$ 14,220	1534	94
2048	71	3	2	109	730	12	8	100	0	161	1081	17	8	100	0	3181	190	63089	38	1	2	1637	95	32377	$ 30,711	$ 13,886	1544	95
2049	71	3	2	109	735	12	8	100	0	162	1088	17	8	100	0	3203	192	63518	38	1	2	1648	96	32598	$ 30,920	$ 13,560	1555	96
2050	71	3	2	110	740	12	8	101	0	163	1095	18	8	101	0	3224	193	63950	38	1	2	1659	97	32819	$ 31,130	$ 13,242	1565	96
2051	71	3	2	111	745	12	8	102	0	164	1103	18	8	102	0	3246	194	64385	38	1	2	1670	97	33042	$ 31,342	$ 12,931	1576	97
2052	70.9	3.0	2.0	111.7	750.3	12.0	8.4	102.3	0.0	165.3	1110.4	17.8	8.4	102.3	0.0	3268.4	195.6	64822.4	38.0	1.3	2.1	1681.6	98.0	33267.1	31555.3	12627.4	1586.7	97.6
Total																									**$ 638,811.68**	**$ 353,831.00**		

Seven Fields Blvd WB - AM

Growth Rate	0.68%
Build % Reduction in Delay	
Left	#DIV/0!
Through	89%
Right	11%

	No- Build																		Build									
Year	Delay			Passenger Vehicle Count (VpH)			Commercial Vehicle Count (VpH)			Total Passenger Vehicle Persons (PpH)			Total Commercial Vehicle Persons (PpH)			Total Passenger Annual Hours Delayed	Total Commercial Annual Hours Delayed	Total Time Value of Delay	Delay			Total Annual Passenger Hours Delayed	Total Commercial Hours Delayed	Total Time Value of Delay	Difference in Cost	Discounted Cost Savings	Passenger Hours Saved	Commercial Hours Saved
	L	T	R	L	T	R	L	T	R	L	T	R	L	T	R				L	T	R							
2022																												
2023																												
2024																												
2025	0	80	5	0	1135	94	0	60	6	0	1680	139	0	60	6	29431	1048	560667	0	80	5	29431	1048	560667	$ -	$ -	0	0
2026	0	80	5	0	1143	95	0	60	6	0	1692	140	0	60	6	29631	1055	564479	0	80	5	29631	1055	564479	$ -	$ -	0	0
2027	0	80	5	0	1151	95	0	61	6	0	1703	141	0	61	6	29833	1062	568318	0	80	5	29833	1062	568318	$ -	$ -	0	0
2028	0	80	5	0	1159	96	0	61	6	0	1715	142	0	61	6	30036	1069	572182	0	84	6	31538	1123	600792	$ (28,609)	$ (23,821)	-1502	-53
2029	0	80	5	0	1166	97	0	61	6	0	1726	143	0	61	6	30240	1077	576073	0	84	6	31752	1130	604877	$ (28,804)	$ (23,261)	-1512	-54
2030	0	80	5	0	1174	97	0	62	6	0	1738	144	0	62	6	30446	1084	579991	0	84	6	31968	1138	608990	$ (29,000)	$ (22,715)	-1522	-54
2031	0	80	5	0	1182	98	0	62	6	0	1750	145	0	62	6	30653	1091	583935	9	9	5	3449	124	65740	$ 518,194	$ 393,699	27203	968
2032	0	80	5	0	1190	99	0	63	6	0	1762	146	0	63	6	30861	1099	587905	9	9	5	3473	125	66187	$ 521,718	$ 384,458	27388	974
2033	0	80	5	0	1198	99	0	63	6	0	1774	147	0	63	6	31071	1106	591903	9	9	5	3496	125	66637	$ 525,266	$ 375,434	27575	981
2034	0	80	5	0	1207	100	0	64	6	0	1786	148	0	64	6	31282	1114	595928	9	9	5	3520	126	67091	$ 528,837	$ 366,622	27762	987
2035	0	80	5	0	1215	101	0	64	6	0	1798	149	0	64	6	31495	1121	599980	9	9	5	3544	127	67547	$ 532,434	$ 358,016	27951	994
2036	0	80	5	0	1223	101	0	64	6	0	1810	150	0	64	6	31709	1129	604060	9	9	5	3568	128	68006	$ 536,054	$ 349,613	28141	1001
2037	0	80	5	0	1231	102	0	65	7	0	1823	151	0	65	7	31925	1137	608168	9	9	5	3592	129	68468	$ 539,699	$ 341,407	28332	1008
2038	0	80	5	0	1240	103	0	65	7	0	1835	152	0	65	7	32142	1144	612303	9	9	5	3617	130	68934	$ 543,369	$ 333,393	28525	1015
2039	0	80	5	0	1248	103	0	66	7	0	1847	153	0	66	7	32360	1152	616467	9	9	5	3641	131	69403	$ 547,064	$ 325,567	28719	1021
2040	0	80	5	0	1257	104	0	66	7	0	1860	154	0	66	7	32581	1160	620659	9	9	5	3666	132	69875	$ 550,784	$ 317,926	28914	1028
2041	0	80	5	0	1265	105	0	67	7	0	1873	155	0	67	7	32802	1168	624879	9	9	5	3691	132	70350	$ 554,529	$ 310,463	29111	1035
2042	0	80	5	0	1274	105	0	67	7	0	1885	156	0	67	7	33025	1176	629129	9	9	5	3716	133	70828	$ 558,300	$ 303,176	29309	1042
2043	0	80	5	0	1283	106	0	68	7	0	1898	157	0	68	7	33250	1184	633407	9	9	5	3741	134	71310	$ 562,097	$ 296,060	29508	1050
2044	0	80	5	0	1291	107	0	68	7	0	1911	158	0	68	7	33476	1192	637714	9	9	5	3767	135	71795	$ 565,919	$ 289,110	29709	1057
2045	0	80	5	0	1300	108	0	68	7	0	1924	159	0	68	7	33703	1200	642050	9	9	5	3793	136	72283	$ 569,767	$ 282,324	29911	1064
2046	0	80	5	0	1309	108	0	69	7	0	1937	160	0	69	7	33933	1208	646416	9	9	5	3818	137	72775	$ 573,642	$ 275,697	30114	1071
2047	0	80	5	0	1318	109	0	69	7	0	1950	161	0	69	7	34163	1216	650812	9	9	5	3844	138	73269	$ 577,542	$ 269,226	30319	1078
2048	0	80	5	0	1327	110	0	70	7	0	1964	163	0	70	7	34396	1225	655237	9	9	5	3870	139	73768	$ 581,470	$ 262,907	30525	1086
2049	0	80	5	0	1336	111	0	70	7	0	1977	164	0	70	7	34630	1233	659693	9	9	5	3897	140	74269	$ 585,424	$ 256,736	30733	1093
2050	0	80	5	0	1345	111	0	71	7	0	1990	165	0	71	7	34865	1241	664179	9	9	5	3923	141	74774	$ 589,405	$ 250,710	30942	1101
2051	0	80	5	0	1354	112	0	71	7	0	2004	166	0	71	7	35102	1250	668695	9	9	5	3950	142	75283	$ 593,413	$ 244,825	31152	1108
2052	0.0	80.4	5.4	0.0	1363.2	112.9	0.0	71.7	7.2	0.0	2017.5	167.1	0.0	71.7	7.2	35340.8	1258.3	673242.4	8.7	8.7	4.8	3976.8	142.7	75794.7	597447.7	239078.2	31364.0	1115.5
Total																									**$ 12,165,962.23**	**$ 6,756,648.87**		

Seven Fields Blvd NB - AM

Growth Rate	0.68%
Build % Reduction in Delay	
Left	43%
Through	26%
Right	25%

	No- Build																		Build									
Year	Delay			Passenger Vehicle Count (VpH)			Commercial Vehicle Count (VpH)			Total Passenger Vehicle Persons (PpH)			Total Commercial Vehicle Persons (PpH)			Total Passenger Annual Hours Delayed	Total Commercial Annual Hours Delayed	Total Time Value of Delay	Delay			Total Annual Passenger Hours Delayed	Total Commercial Hours Delayed	Total Time Value of Delay	Difference in Cost	Discounted Cost Savings	Passenger Hours Saved	Commercial Hours Saved
	L	T	R	L	T	R	L	T	R	L	T	R	L	T	R				L	T	R							
2022																												
2023																												
2024																												
2025	92	60	61	24	5	3	1	0	3	36	7	4	1	0	3	856	53	17035	92	60	61	856	53	17035	$ -	$ -	0	0
2026	92	60	61	24	5	3	1	0	3	36	7	4	1	0	3	862	54	17151	92	60	61	862	54	17151	$ -	$ -	0	0
2027	92	60	61	24	5	3	1	0	3	36	8	4	1	0	3	867	54	17268	92	60	61	867	54	17268	$ -	$ -	0	0
2028	92	60	61	24	5	3	1	0	3	36	8	4	1	0	3	873	54	17385	97	63	64	917	57	18254	$ (869)	$ (724)	-44	-3
2029	92	60	61	25	5	3	1	0	3	36	8	4	1	0	3	879	55	17503	97	63	64	923	57	18378	$ (875)	$ (707)	-44	-3
2030	92	60	61	25	5	3	1	0	3	37	8	4	1	0	3	885	55	17622	97	63	64	929	58	18503	$ (881)	$ (690)	-44	-3
2031	92	60	61	25	5	3	1	0	3	37	8	4	1	0	3	891	55	17742	9	45	46	183	28	4170	$ 13,572	$ 10,311	709	27
2032	92	60	61	25	5	3	1	0	3	37	8	4	1	0	3	897	56	17863	9	45	46	184	28	4199	$ 13,664	$ 10,069	713	28
2033	92	60	61	25	5	3	1	0	3	37	8	4	1	0	3	903	56	17984	9	45	46	185	28	4227	$ 13,757	$ 9,833	718	28
2034	92	60	61	26	5	3	1	0	3	38	8	4	1	0	3	909	57	18107	9	45	46	186	28	4256	$ 13,850	$ 9,602	723	28
2035	92	60	61	26	5	3	1	0	3	38	8	4	1	0	3	916	57	18230	9	45	46	188	29	4285	$ 13,945	$ 9,377	728	28
2036	92	60	61	26	5	3	1	0	3	38	8	4	1	0	3	922	57	18354	9	45	46	189	29	4314	$ 14,039	$ 9,156	733	28
2037	92	60	61	26	5	3	1	0	3	39	8	4	1	0	3	928	58	18478	9	45	46	190	29	4344	$ 14,135	$ 8,942	738	29
2038	92	60	61	26	5	3	1	0	3	39	8	4	1	0	3	934	58	18604	9	45	46	191	29	4373	$ 14,231	$ 8,732	743	29
2039	92	60	61	26	5	3	1	0	3	39	8	4	1	0	3	941	58	18731	9	45	46	193	29	4403	$ 14,328	$ 8,527	748	29
2040	92	60	61	27	6	3	1	0	3	39	8	4	1	0	3	947	59	18858	9	45	46	194	30	4433	$ 14,425	$ 8,327	753	29
2041	92	60	61	27	6	3	1	0	3	40	8	4	1	0	3	954	59	18986	9	45	46	195	30	4463	$ 14,523	$ 8,131	758	29
2042	92	60	61	27	6	3	1	0	3	40	8	4	1	0	3	960	60	19115	9	45	46	197	30	4493	$ 14,622	$ 7,940	763	30
2043	92	60	61	27	6	3	1	0	3	40	8	4	1	0	3	967	60	19245	9	45	46	198	30	4524	$ 14,721	$ 7,754	769	30
2044	92	60	61	27	6	3	1	0	3	40	8	4	1	0	3	973	61	19376	9	45	46	199	30	4555	$ 14,822	$ 7,572	774	30
2045	92	60	61	27	6	3	1	0	3	41	8	4	1	0	3	980	61	19508	9	45	46	201	31	4586	$ 14,922	$ 7,394	779	30
2046	92	60	61	28	6	3	1	0	3	41	9	4	1	0	3	987	61	19641	9	45	46	202	31	4617	$ 15,024	$ 7,221	784	30
2047	92	60	61	28	6	3	1	0	3	41	9	4	1	0	3	993	62	19774	9	45	46	204	31	4648	$ 15,126	$ 7,051	790	31
2048	92	60	61	28	6	3	1	0	3	42	9	4	1	0	3	1000	62	19909	9	45	46	205	31	4680	$ 15,229	$ 6,886	795	31
2049	92	60	61	28	6	3	1	0	3	42	9	4	1	0	3	1007	63	20044	9	45	46	206	32	4712	$ 15,332	$ 6,724	801	31
2050	92	60	61	28	6	3	1	0	3	42	9	4	1	0	3	1014	63	20180	9	45	46	208	32	4744	$ 15,437	$ 6,566	806	31
2051	92	60	61	29	6	3	1	0	3	42	9	4	1	0	3	1021	63	20317	9	45	46	209	32	4776	$ 15,542	$ 6,412	811	31
2052	92.3	60.0	61.3	28.8	6.0	3.0	1.2	0.0	3.0	42.7	8.9	4.4	1.2	0.0	3.0	1027.5	63.9	20455.6	8.7	44.6	46.0	210.5	32.2	4808.3	15647.3	6261.5	816.9	31.7
Total																									**$ 318,267.70**	**$ 176,665.90**		

Seven Fields Blvd SB - AM

Growth Rate	0.68%
Build % Reduction in Delay	
Left	25%
Through	25%
Right	25%

	No- Build																		Build									
Year	Delay			Passenger Vehicle Count (VpH)			Commercial Vehicle Count (VpH)			Total Passenger Vehicle Persons (PpH)			Total Commercial Vehicle Persons (PpH)			Total Passenger Annual Hours Delayed	Total Commercial Annual Hours Delayed	Total Time Value of Delay	Delay			Total Annual Passenger Hours Delayed	Total Commercial Hours Delayed	Total Time Value of Delay	Difference in Cost	Discounted Cost Savings	Passenger Hours Saved	Commercial Hours Saved
	L	T	R	L	T	R	L	T	R	L	T	R	L	T	R				L	T	R							
2022																												
2023																												
2024																												
2025	63	61	61	30	5	121	5	0	9	45	7	179	5	0	9	3085	183	61125	63	61	61	3085	183	61125	$ -	$ -	0	0
2026	63	61	61	31	5	122	5	0	9	45	7	180	5	0	9	3106	184	61540	63	61	61	3106	184	61540	$ -	$ -	0	0
2027	63	61	61	31	5	123	5	0	9	46	8	181	5	0	9	3127	185	61959	63	61	61	3127	185	61959	$ -	$ -	0	0
2028	63	61	61	31	5	123	5	0	9	46	8	183	5	0	9	3148	187	62380	66	64	64	3306	196	65499	$ (3,119)	$ (2,597)	-157	-9
2029	63	61	61	31	5	124	5	0	9	46	8	184	5	0	9	3170	188	62804	66	64	64	3328	197	65945	$ (3,140)	$ (2,536)	-158	-9
2030	63	61	61	31	5	125	5	0	9	47	8	185	5	0	9	3191	189	63231	66	64	64	3351	199	66393	$ (3,162)	$ (2,476)	-160	-9
2031	63	61	61	32	5	126	5	0	9	47	8	186	5	0	9	3213	190	63661	47	46	46	2398	142	47524	$ 16,137	$ 12,260	814	48
2032	63	61	61	32	5	127	5	0	10	47	8	188	5	0	10	3235	192	64094	47	46	46	2415	143	47847	$ 16,247	$ 11,973	820	49
2033	63	61	61	32	5	128	5	0	10	48	8	189	5	0	10	3257	193	64530	47	46	46	2431	144	48173	$ 16,358	$ 11,692	826	49
2034	63	61	61	32	5	129	5	0	10	48	8	190	5	0	10	3279	194	64969	47	46	46	2448	145	48500	$ 16,469	$ 11,417	831	49
2035	63	61	61	33	5	129	5	0	10	48	8	191	5	0	10	3301	196	65411	47	46	46	2464	146	48830	$ 16,581	$ 11,149	837	50
2036	63	61	61	33	5	130	5	0	10	49	8	193	5	0	10	3324	197	65856	47	46	46	2481	147	49162	$ 16,693	$ 10,887	843	50
2037	63	61	61	33	5	131	5	0	10	49	8	194	5	0	10	3346	198	66303	47	46	46	2498	148	49496	$ 16,807	$ 10,632	848	50
2038	63	61	61	33	5	132	5	0	10	49	8	195	5	0	10	3369	200	66754	47	46	46	2515	149	49833	$ 16,921	$ 10,382	854	51
2039	63	61	61	33	5	133	5	0	10	50	8	197	5	0	10	3392	201	67208	47	46	46	2532	150	50172	$ 17,036	$ 10,139	860	51
2040	63	61	61	34	6	134	5	0	10	50	8	198	5	0	10	3415	202	67665	47	46	46	2549	151	50513	$ 17,152	$ 9,901	866	51
2041	63	61	61	34	6	135	5	0	10	50	8	199	5	0	10	3438	204	68125	47	46	46	2567	152	50857	$ 17,269	$ 9,668	872	52
2042	63	61	61	34	6	136	5	0	10	51	8	201	5	0	10	3461	205	68589	47	46	46	2584	153	51202	$ 17,386	$ 9,441	877	52
2043	63	61	61	34	6	137	5	0	10	51	8	202	5	0	10	3485	207	69055	47	46	46	2602	154	51551	$ 17,504	$ 9,220	883	52
2044	63	61	61	35	6	138	5	0	10	51	8	204	5	0	10	3509	208	69525	47	46	46	2619	155	51901	$ 17,624	$ 9,003	889	53
2045	63	61	61	35	6	138	5	0	10	52	8	205	5	0	10	3533	209	69997	47	46	46	2637	156	52254	$ 17,743	$ 8,792	896	53
2046	63	61	61	35	6	139	5	0	10	52	9	206	5	0	10	3557	211	70473	47	46	46	2655	157	52609	$ 17,864	$ 8,586	902	53
2047	63	61	61	35	6	140	5	0	11	52	9	208	5	0	11	3581	212	70953	47	46	46	2673	158	52967	$ 17,985	$ 8,384	908	54
2048	63	61	61	36	6	141	5	0	11	53	9	209	5	0	11	3605	214	71435	47	46	46	2691	160	53327	$ 18,108	$ 8,187	914	54
2049	63	61	61	36	6	142	5	0	11	53	9	211	5	0	11	3630	215	71921	47	46	46	2710	161	53690	$ 18,231	$ 7,995	920	55
2050	63	61	61	36	6	143	5	0	11	53	9	212	5	0	11	3654	217	72410	47	46	46	2728	162	54055	$ 18,355	$ 7,807	926	55
2051	63	61	61	36	6	144	5	0	11	54	9	213	5	0	11	3679	218	72902	47	46	46	2747	163	54423	$ 18,480	$ 7,624	933	55
2052	63.3	61.1	61.1	36.6	6.0	145.2	5.5	0.0	10.9	54.1	8.9	214.9	5.5	0.0	10.9	3704.2	219.6	73397.9	47.3	45.6	45.6	2765.2	164.0	54792.6	18605.4	7445.2	939.0	55.6
Total																									**$ 372,135.28**	**$ 204,975.66**		

Seven Fields Blvd EB - PM

Growth Rate	0.68%
Build % Reduction in Delay	
Left	77%
Through	92%
Right	-8%

	No- Build																		Build									
Year	Delay			Passenger Vehicle Count (VpH)			Commercial Vehicle Count (VpH)			Total Passenger Vehicle Persons (PpH)			Total Commercial Vehicle Persons (PpH)			Total Passenger Annual Hours Delayed	Total Commercial Annual Hours Delayed	Total Time Value of Delay	Delay			Total Annual Passenger Hours Delayed	Total Commercial Hours Delayed	Total Time Value of Delay	Difference in Cost	Discounted Cost Savings	Passenger Hours Saved	Commercial Hours Saved
	L	T	R	L	T	R	L	T	R	L	T	R	L	T	R				L	T	R							
2022																												
2023																												
2024																												
2025	85	90	6	129	1213	110	1	12	0	190	1795	163	1	12	0	38758	263	702273	85	90	6	38758	263	702273	$ -	$ -	0	0
2026	85	90	6	130	1221	111	1	12	0	192	1807	164	1	12	0	39022	265	707049	85	90	6	39022	265	707049	$ -	$ -	0	0
2027	85	90	6	130	1229	112	1	12	0	193	1819	165	1	12	0	39287	267	711857	85	90	6	39287	267	711857	$ -	$ -	0	0
2028	85	90	6	131	1238	112	1	13	0	194	1832	166	1	13	0	39554	268	716697	89	95	6	41532	282	752532	$ (35,835)	$ (29,837)	-1978	-13
2029	85	90	6	132	1246	113	1	13	0	196	1844	167	1	13	0	39823	270	721571	89	95	6	41815	284	757649	$ (36,079)	$ (29,137)	-1991	-14
2030	85	90	6	133	1255	114	1	13	0	197	1857	168	1	13	0	40094	272	726478	89	95	6	42099	286	762802	$ (36,324)	$ (28,453)	-2005	-14
2031	85	90	6	134	1263	115	1	13	0	198	1869	170	1	13	0	40367	274	731418	20	8	7	4123	27	74663	$ 656,755	$ 498,971	36244	247
2032	85	90	6	135	1272	115	1	13	0	200	1882	171	1	13	0	40641	276	736391	20	8	7	4151	27	75170	$ 661,221	$ 487,259	36490	249
2033	85	90	6	136	1280	116	1	13	0	201	1895	172	1	13	0	40918	278	741399	20	8	7	4180	27	75681	$ 665,717	$ 475,822	36738	251
2034	85	90	6	137	1289	117	1	13	0	202	1908	173	1	13	0	41196	280	746440	20	8	7	4208	27	76196	$ 670,244	$ 464,653	36988	253
2035	85	90	6	138	1298	118	1	13	0	204	1921	174	1	13	0	41476	282	751516	20	8	7	4237	27	76714	$ 674,802	$ 453,747	37240	254
2036	85	90	6	139	1307	119	1	13	0	205	1934	175	1	13	0	41758	283	756626	20	8	7	4265	27	77236	$ 679,391	$ 443,096	37493	256
2037	85	90	6	140	1315	119	1	13	0	207	1947	177	1	13	0	42042	285	761771	20	8	7	4294	28	77761	$ 684,010	$ 432,696	37748	258
2038	85	90	6	141	1324	120	1	13	0	208	1960	178	1	13	0	42328	287	766952	20	8	7	4324	28	78290	$ 688,662	$ 422,539	38004	260
2039	85	90	6	142	1333	121	1	13	0	209	1974	179	1	13	0	42616	289	772167	20	8	7	4353	28	78822	$ 693,345	$ 412,621	38263	261
2040	85	90	6	142	1343	122	1	14	0	211	1987	180	1	14	0	42906	291	777418	20	8	7	4383	28	79358	$ 698,059	$ 402,936	38523	263
2041	85	90	6	143	1352	123	1	14	0	212	2000	181	1	14	0	43197	293	782704	20	8	7	4412	28	79898	$ 702,806	$ 393,478	38785	265
2042	85	90	6	144	1361	123	1	14	0	214	2014	183	1	14	0	43491	295	788026	20	8	7	4442	29	80441	$ 707,585	$ 384,243	39049	267
2043	85	90	6	145	1370	124	1	14	0	215	2028	184	1	14	0	43787	297	793385	20	8	7	4473	29	80988	$ 712,397	$ 375,223	39314	268
2044	85	90	6	146	1379	125	1	14	0	217	2042	185	1	14	0	44085	299	798780	20	8	7	4503	29	81539	$ 717,241	$ 366,416	39582	270
2045	85	90	6	147	1389	126	1	14	0	218	2055	186	1	14	0	44384	301	804212	20	8	7	4534	29	82093	$ 722,118	$ 357,815	39851	272
2046	85	90	6	148	1398	127	1	14	0	220	2069	188	1	14	0	44686	303	809680	20	8	7	4564	29	82652	$ 727,029	$ 349,417	40122	274
2047	85	90	6	149	1408	128	2	14	0	221	2083	189	2	14	0	44990	305	815186	20	8	7	4595	30	83214	$ 731,973	$ 341,215	40395	276
2048	85	90	6	150	1417	129	2	14	0	223	2098	190	2	14	0	45296	307	820729	20	8	7	4627	30	83779	$ 736,950	$ 333,206	40669	278
2049	85	90	6	151	1427	129	2	14	0	224	2112	192	2	14	0	45604	310	826310	20	8	7	4658	30	84349	$ 741,961	$ 325,385	40946	280
2050	85	90	6	152	1437	130	2	15	0	226	2126	193	2	15	0	45914	312	831929	20	8	7	4690	30	84923	$ 747,007	$ 317,747	41224	281
2051	85	90	6	153	1446	131	2	15	0	227	2141	194	2	15	0	46226	314	837586	20	8	7	4722	30	85500	$ 752,086	$ 310,289	41505	283
2052	85.0	90.1	6.0	154.5	1456.3	132.1	1.6	14.7	0.0	228.7	2155.3	195.5	1.6	14.7	0.0	46540.7	315.9	843281.9	19.7	7.5	6.5	4753.9	30.6	86081.5	757200.4	303005.8	41786.8	285.3
Total																									**$ 15,420,322.65**	**$ 8,564,356.55**		

Seven Fields Blvd WB - PM

Growth Rate	0.68%
Build % Reduction in Delay	
Left	82%
Through	79%
Right	52%

	No- Build																		Build									
Year	Delay			Passenger Vehicle Count (VpH)			Commercial Vehicle Count (VpH)			Total Passenger Vehicle Persons (PpH)			Total Commercial Vehicle Persons (PpH)			Total Passenger Annual Hours Delayed	Total Commercial Annual Hours Delayed	Total Time Value of Delay	Delay			Total Annual Passenger Hours Delayed	Total Commercial Hours Delayed	Total Time Value of Delay	Difference in Cost	Discounted Cost Savings	Passenger Hours Saved	Commercial Hours Saved
	L	T	R	L	T	R	L	T	R	L	T	R	L	T	R				L	T	R							
2022																												
2023																												
2024																												
2025	29	44	8	15	995	175	0	10	0	22	1473	259	0	10	0	14445	98	261725	29	44	8	14445	98	261725	$ -	$ -	0	0
2026	29	44	8	15	1002	176	0	10	0	22	1483	261	0	10	0	14544	98	263505	29	44	8	14544	98	263505	$ -	$ -	0	0
2027	29	44	8	15	1009	177	0	10	0	22	1493	263	0	10	0	14643	99	265296	29	44	8	14643	99	265296	$ -	$ -	0	0
2028	29	44	8	15	1015	179	0	10	0	22	1503	264	0	10	0	14742	100	267100	30	46	8	15479	105	280455	$ (13,355)	$ (11,120)	-737	-5
2029	29	44	8	15	1022	180	0	10	0	22	1513	266	0	10	0	14842	100	268917	30	46	8	15585	105	282363	$ (13,446)	$ (10,859)	-742	-5
2030	29	44	8	15	1029	181	0	10	0	22	1523	268	0	10	0	14943	101	270745	30	46	8	15691	106	284283	$ (13,537)	$ (10,604)	-747	-5
2031	29	44	8	15	1036	182	0	10	0	22	1534	270	0	10	0	15045	102	272586	5	9	4	3299	21	59744	$ 212,842	$ 161,707	11746	80
2032	29	44	8	15	1043	184	0	11	0	23	1544	272	0	11	0	15147	102	274440	5	9	4	3321	22	60151	$ 214,289	$ 157,912	11826	81
2033	29	44	8	15	1050	185	0	11	0	23	1555	273	0	11	0	15250	103	276306	5	9	4	3344	22	60560	$ 215,747	$ 154,205	11906	81
2034	29	44	8	15	1058	186	0	11	0	23	1565	275	0	11	0	15354	104	278185	5	9	4	3367	22	60971	$ 217,214	$ 150,586	11987	82
2035	29	44	8	16	1065	187	0	11	0	23	1576	277	0	11	0	15458	104	280077	5	9	4	3390	22	61386	$ 218,691	$ 147,051	12069	82
2036	29	44	8	16	1072	189	0	11	0	23	1586	279	0	11	0	15564	105	281981	5	9	4	3413	22	61803	$ 220,178	$ 143,599	12151	83
2037	29	44	8	16	1079	190	0	11	0	23	1597	281	0	11	0	15669	106	283899	5	9	4	3436	22	62224	$ 221,675	$ 140,229	12233	84
2038	29	44	8	16	1087	191	0	11	0	24	1608	283	0	11	0	15776	107	285829	5	9	4	3459	22	62647	$ 223,182	$ 136,937	12317	84
2039	29	44	8	16	1094	192	0	11	0	24	1619	285	0	11	0	15883	107	287773	5	9	4	3483	23	63073	$ 224,700	$ 133,723	12400	85
2040	29	44	8	16	1101	194	0	11	0	24	1630	287	0	11	0	15991	108	289730	5	9	4	3507	23	63502	$ 226,228	$ 130,584	12485	85
2041	29	44	8	16	1109	195	1	11	0	24	1641	289	1	11	0	16100	109	291700	5	9	4	3530	23	63934	$ 227,766	$ 127,519	12570	86
2042	29	44	8	16	1116	196	1	11	0	24	1652	291	1	11	0	16209	109	293683	5	9	4	3554	23	64368	$ 229,315	$ 124,526	12655	86
2043	29	44	8	16	1124	198	1	11	0	24	1664	293	1	11	0	16320	110	295681	5	9	4	3579	23	64806	$ 230,875	$ 121,603	12741	87
2044	29	44	8	17	1132	199	1	11	0	24	1675	295	1	11	0	16431	111	297691	5	9	4	3603	23	65247	$ 232,445	$ 118,749	12828	88
2045	29	44	8	17	1139	200	1	12	0	25	1686	297	1	12	0	16542	112	299715	5	9	4	3627	24	65690	$ 234,025	$ 115,961	12915	88
2046	29	44	8	17	1147	202	1	12	0	25	1698	299	1	12	0	16655	112	301754	5	9	4	3652	24	66137	$ 235,616	$ 113,239	13003	89
2047	29	44	8	17	1155	203	1	12	0	25	1709	301	1	12	0	16768	113	303805	5	9	4	3677	24	66587	$ 237,219	$ 110,581	13091	89
2048	29	44	8	17	1163	205	1	12	0	25	1721	303	1	12	0	16882	114	305871	5	9	4	3702	24	67040	$ 238,832	$ 107,986	13180	90
2049	29	44	8	17	1171	206	1	12	0	25	1733	305	1	12	0	16997	115	307951	5	9	4	3727	24	67495	$ 240,456	$ 105,451	13270	91
2050	29	44	8	17	1179	207	1	12	0	26	1744	307	1	12	0	17112	116	310045	5	9	4	3752	24	67954	$ 242,091	$ 102,976	13360	91
2051	29	44	8	17	1187	209	1	12	0	26	1756	309	1	12	0	17229	116	312154	5	9	4	3778	25	68416	$ 243,737	$ 100,559	13451	92
2052	28.9	43.5	7.7	17.5	1194.7	210.1	0.5	12.1	0.0	25.9	1768.2	311.0	0.5	12.1	0.0	17346.0	117.1	314276.3	5.3	9.2	3.7	3803.6	24.7	68881.7	245394.6	98198.5	13542.4	92.4
Total																									**$ 4,992,179.25**	**$ 2,771,299.63**		

Seven Fields Blvd NB - PM

Growth Rate	0.68%
Build % Reduction in Delay	
Left	32%
Through	30%
Right	29%

	No- Build																		Build									
Year	Delay			Passenger Vehicle Count (VpH)			Commercial Vehicle Count (VpH)			Total Passenger Vehicle Persons (PpH)			Total Commercial Vehicle Persons (PpH)			Total Passenger Annual Hours Delayed	Total Commercial Annual Hours Delayed	Total Time Value of Delay	Delay			Total Annual Passenger Hours Delayed	Total Commercial Hours Delayed	Total Time Value of Delay	Difference in Cost	Discounted Cost Savings	Passenger Hours Saved	Commercial Hours Saved
	L	T	R	L	T	R	L	T	R	L	T	R	L	T	R				L	T	R							
2022																												
2023																												
2024																												
2025	57	52	53	40	20	15	0	0	0	59	30	22	0	0	0	1317	0	23580	57	52	53	1317	0	23580	$ -	$ -	0	0
2026	57	52	53	40	20	15	0	0	0	60	30	22	0	0	0	1326	0	23740	57	52	53	1326	0	23740	$ -	$ -	0	0
2027	57	52	53	41	20	15	0	0	0	60	30	23	0	0	0	1335	0	23901	57	52	53	1335	0	23901	$ -	$ -	0	0
2028	57	52	53	41	20	15	0	0	0	60	30	23	0	0	0	1344	0	24064	60	55	55	1412	0	25267	$ (1,203)	$ (1,002)	-67	0
2029	57	52	53	41	21	15	0	0	0	61	30	23	0	0	0	1353	0	24228	60	55	55	1421	0	25439	$ (1,211)	$ (978)	-68	0
2030	57	52	53	41	21	16	0	0	0	61	31	23	0	0	0	1363	0	24392	60	55	55	1431	0	25612	$ (1,220)	$ (955)	-68	0
2031	57	52	53	42	21	16	0	0	0	62	31	23	0	0	0	1372	0	24558	39	37	37	950	0	17011	$ 7,547	$ 5,734	422	0
2032	57	52	53	42	21	16	0	0	0	62	31	23	0	0	0	1381	0	24725	39	37	37	957	0	17126	$ 7,599	$ 5,600	425	0
2033	57	52	53	42	21	16	0	0	0	62	31	23	0	0	0	1391	0	24893	39	37	37	963	0	17243	$ 7,650	$ 5,468	427	0
2034	57	52	53	43	21	16	0	0	0	63	31	24	0	0	0	1400	0	25063	39	37	37	970	0	17360	$ 7,702	$ 5,340	430	0
2035	57	52	53	43	21	16	0	0	0	63	32	24	0	0	0	1410	0	25233	39	37	37	976	0	17478	$ 7,755	$ 5,214	433	0
2036	57	52	53	43	22	16	0	0	0	64	32	24	0	0	0	1419	0	25405	39	37	37	983	0	17597	$ 7,808	$ 5,092	436	0
2037	57	52	53	43	22	16	0	0	0	64	32	24	0	0	0	1429	0	25577	39	37	37	990	0	17717	$ 7,861	$ 4,973	439	0
2038	57	52	53	44	22	16	0	0	0	65	32	24	0	0	0	1439	0	25751	39	37	37	996	0	17837	$ 7,914	$ 4,856	442	0
2039	57	52	53	44	22	16	0	0	0	65	33	24	0	0	0	1448	0	25926	39	37	37	1003	0	17959	$ 7,968	$ 4,742	445	0
2040	57	52	53	44	22	17	0	0	0	66	33	25	0	0	0	1458	0	26103	39	37	37	1010	0	18081	$ 8,022	$ 4,631	448	0
2041	57	52	53	45	22	17	0	0	0	66	33	25	0	0	0	1468	0	26280	39	37	37	1017	0	18204	$ 8,077	$ 4,522	451	0
2042	57	52	53	45	22	17	0	0	0	66	33	25	0	0	0	1478	0	26459	39	37	37	1024	0	18327	$ 8,132	$ 4,416	454	0
2043	57	52	53	45	23	17	0	0	0	67	33	25	0	0	0	1488	0	26639	39	37	37	1031	0	18452	$ 8,187	$ 4,312	457	0
2044	57	52	53	45	23	17	0	0	0	67	34	25	0	0	0	1498	0	26820	39	37	37	1038	0	18577	$ 8,243	$ 4,211	460	0
2045	57	52	53	46	23	17	0	0	0	68	34	25	0	0	0	1509	0	27002	39	37	37	1045	0	18704	$ 8,299	$ 4,112	464	0
2046	57	52	53	46	23	17	0	0	0	68	34	26	0	0	0	1519	0	27186	39	37	37	1052	0	18831	$ 8,355	$ 4,015	467	0
2047	57	52	53	46	23	17	0	0	0	69	34	26	0	0	0	1529	0	27371	39	37	37	1059	0	18959	$ 8,412	$ 3,921	470	0
2048	57	52	53	47	23	18	0	0	0	69	35	26	0	0	0	1539	0	27557	39	37	37	1066	0	19088	$ 8,469	$ 3,829	473	0
2049	57	52	53	47	24	18	0	0	0	70	35	26	0	0	0	1550	0	27744	39	37	37	1074	0	19218	$ 8,527	$ 3,739	476	0
2050	57	52	53	47	24	18	0	0	0	70	35	26	0	0	0	1561	0	27933	39	37	37	1081	0	19348	$ 8,585	$ 3,652	480	0
2051	57	52	53	48	24	18	0	0	0	71	35	26	0	0	0	1571	0	28123	39	37	37	1088	0	19480	$ 8,643	$ 3,566	483	0
2052	56.8	52.2	52.8	48.0	24.0	18.0	0.0	0.0	0.0	71.1	35.5	26.7	0.0	0.0	0.0	1581.8	0.0	28314.2	38.9	36.5	37.3	1095.7	0.0	19612.5	8701.7	3482.1	486.1	0.0
Total																									**$ 174,819.35**	**$ 96,490.48**		

Seven Fields Blvd SB - PM

Growth Rate	0.68%
Build % Reduction in Delay	
Left	38%
Through	31%
Right	31%

	No- Build																		Build									
Year	Delay			Passenger Vehicle Count (VpH)			Commercial Vehicle Count (VpH)			Total Passenger Vehicle Persons (PpH)			Total Commercial Vehicle Persons (PpH)			Total Passenger Annual Hours Delayed	Total Commercial Annual Hours Delayed	Total Time Value of Delay	Delay			Total Annual Passenger Hours Delayed	Total Commercial Hours Delayed	Total Time Value of Delay	Difference in Cost	Discounted Cost Savings	Passenger Hours Saved	Commercial Hours Saved
	L	T	R	L	T	R	L	T	R	L	T	R	L	T	R				L	T	R							
2022																												
2023																												
2024																												
2025	87	55	55	205	25	153	0	0	2	303	37	227	0	0	2	8840	18	158834	87	55	55	8840	18	158834	$ -	$ -	0	0
2026	87	55	55	206	25	154	0	0	2	305	37	229	0	0	2	8900	19	159914	87	55	55	8900	19	159914	$ -	$ -	0	0
2027	87	55	55	208	25	156	0	0	2	308	38	230	0	0	2	8961	19	161001	87	55	55	8961	19	161001	$ -	$ -	0	0
2028	87	55	55	209	26	157	0	0	2	310	38	232	0	0	2	9022	19	162096	91	58	58	9473	20	170201	$ (8,105)	$ (6,748)	-451	-1
2029	87	55	55	211	26	158	0	0	2	312	38	233	0	0	2	9083	19	163198	91	58	58	9537	20	171358	$ (8,160)	$ (6,590)	-454	-1
2030	87	55	55	212	26	159	0	0	2	314	38	235	0	0	2	9145	19	164308	91	58	58	9602	20	172523	$ (8,215)	$ (6,435)	-457	-1
2031	87	55	55	214	26	160	0	0	2	316	39	237	0	0	2	9207	19	165425	54	38	38	5922	13	106425	$ 59,000	$ 44,825	3285	6
2032	87	55	55	215	26	161	0	0	2	318	39	238	0	0	2	9270	19	166550	54	38	38	5962	13	107149	$ 59,401	$ 43,773	3308	6
2033	87	55	55	216	26	162	0	0	2	320	39	240	0	0	2	9333	19	167683	54	38	38	6002	13	107877	$ 59,805	$ 42,746	3330	6
2034	87	55	55	218	27	163	0	0	2	322	39	241	0	0	2	9396	20	168823	54	38	38	6043	14	108611	$ 60,212	$ 41,743	3353	6
2035	87	55	55	219	27	164	0	0	2	325	40	243	0	0	2	9460	20	169971	54	38	38	6084	14	109350	$ 60,621	$ 40,763	3376	6
2036	87	55	55	221	27	165	0	0	2	327	40	245	0	0	2	9524	20	171127	54	38	38	6126	14	110093	$ 61,034	$ 39,806	3399	6
2037	87	55	55	222	27	166	0	0	2	329	40	246	0	0	2	9589	20	172290	54	38	38	6167	14	110842	$ 61,449	$ 38,872	3422	6
2038	87	55	55	224	27	168	0	0	2	331	40	248	0	0	2	9654	20	173462	54	38	38	6209	14	111595	$ 61,866	$ 37,959	3445	6
2039	87	55	55	225	27	169	0	0	2	334	41	250	0	0	2	9720	20	174641	54	38	38	6252	14	112354	$ 62,287	$ 37,068	3468	6
2040	87	55	55	227	28	170	0	0	2	336	41	251	0	0	2	9786	20	175829	54	38	38	6294	14	113118	$ 62,711	$ 36,198	3492	6
2041	87	55	55	228	28	171	0	0	2	338	41	253	0	0	2	9853	21	177025	54	38	38	6337	14	113888	$ 63,137	$ 35,348	3516	6
2042	87	55	55	230	28	172	0	0	2	340	42	255	0	0	2	9919	21	178228	54	38	38	6380	14	114662	$ 63,566	$ 34,519	3540	6
2043	87	55	55	232	28	173	0	0	2	343	42	257	0	0	2	9987	21	179440	54	38	38	6423	14	115442	$ 63,999	$ 33,709	3564	6
2044	87	55	55	233	28	175	0	0	2	345	42	258	0	0	2	10055	21	180661	54	38	38	6467	14	116227	$ 64,434	$ 32,917	3588	7
2045	87	55	55	235	29	176	0	0	2	347	42	260	0	0	2	10123	21	181889	54	38	38	6511	15	117017	$ 64,872	$ 32,145	3612	7
2046	87	55	55	236	29	177	0	0	2	350	43	262	0	0	2	10192	21	183126	54	38	38	6555	15	117813	$ 65,313	$ 31,390	3637	7
2047	87	55	55	238	29	178	0	0	2	352	43	264	0	0	2	10261	21	184371	54	38	38	6600	15	118614	$ 65,757	$ 30,653	3662	7
2048	87	55	55	240	29	179	0	0	2	355	43	265	0	0	2	10331	22	185625	54	38	38	6645	15	119420	$ 66,204	$ 29,934	3686	7
2049	87	55	55	241	29	181	0	0	2	357	44	267	0	0	2	10401	22	186887	54	38	38	6690	15	120232	$ 66,655	$ 29,231	3712	7
2050	87	55	55	243	30	182	0	0	2	359	44	269	0	0	2	10472	22	188158	54	38	38	6735	15	121050	$ 67,108	$ 28,545	3737	7
2051	87	55	55	244	30	183	0	0	2	362	44	271	0	0	2	10543	22	189437	54	38	38	6781	15	121873	$ 67,564	$ 27,875	3762	7
2052	86.6	55.0	55.0	246.2	30.0	184.3	0.0	0.0	1.9	364.3	44.4	272.7	0.0	0.0	1.9	10615.0	22.2	190725.7	53.5	37.9	37.9	6827.3	15.3	122702.0	68023.7	27220.8	3787.8	6.9
Total																									**$ 1,370,540.46**	**$ 757,466.57**		

Seven Fields Blvd EB-SAT

Growth Rate	0.68%
Build % Reduction in Delay	
Left	43%
Through	#DIV/0!
Right	32%

	No- Build																		Build									
Year	Delay			Passenger Vehicle Count (VpH)			Commercial Vehicle Count (VpH)			Total Passenger Vehicle Persons (PpH)			Total Commercial Vehicle Persons (PpH)			Total Passenger Annual Hours Delayed	Total Commercial Annual Hours Delayed	Total Time Value of Delay	Delay			Total Annual Passenger Hours Delayed	Total Commercial Hours Delayed	Total Time Value of Delay	Difference in Cost	Discounted Cost Savings	Passenger Hours Saved	Commercial Hours Saved
	L	T	R	L	T	R	L	T	R	L	T	R	L	T	R				L	T	R							
2022																												
2023																												
2024																												
2025	90	11	4	103	890	83	2	18	0	207	1798	168	2	18	0	3370	33	61397	90	11	4	3370	33	61397	$ -	$ -	0	0
2026	90	11	4	103	896	84	2	18	0	209	1810	169	2	18	0	3393	34	61815	90	11	4	3393	34	61815	$ -	$ -	0	0
2027	90	11	4	104	902	84	2	18	0	210	1822	170	2	18	0	3416	34	62235	90	11	4	3416	34	62235	$ -	$ -	0	0
2028	90	11	4	105	908	85	2	19	0	212	1835	171	2	19	0	3439	34	62658	94	11	4	3611	36	65791	$ (3,133)	$ (2,609)	-172	-2
2029	90	11	4	106	914	85	2	19	0	213	1847	172	2	19	0	3462	34	63084	94	11	4	3635	36	66238	$ (3,154)	$ (2,547)	-173	-2
2030	90	11	4	106	921	86	2	19	0	215	1860	173	2	19	0	3486	35	63513	94	11	4	3660	36	66689	$ (3,176)	$ (2,488)	-174	-2
2031	90	11	4	107	927	86	2	19	0	216	1872	175	2	19	0	3510	35	63945	38	2	0	1033	10	18829	$ 45,116	$ 34,277	2476	24
2032	90	11	4	108	933	87	2	19	0	218	1885	176	2	19	0	3533	35	64380	38	2	0	1040	10	18957	$ 45,423	$ 33,473	2493	25
2033	90	11	4	108	940	88	2	19	0	219	1898	177	2	19	0	3557	35	64818	38	2	0	1047	11	19086	$ 45,732	$ 32,687	2510	25
2034	90	11	4	109	946	88	2	19	0	220	1911	178	2	19	0	3582	36	65258	38	2	0	1054	11	19215	$ 46,043	$ 31,920	2527	25
2035	90	11	4	110	952	89	2	19	0	222	1924	179	2	19	0	3606	36	65702	38	2	0	1061	11	19346	$ 46,356	$ 31,171	2544	25
2036	90	11	4	111	959	89	2	20	0	223	1937	181	2	20	0	3630	36	66149	38	2	0	1069	11	19478	$ 46,671	$ 30,439	2562	25
2037	90	11	4	111	965	90	2	20	0	225	1950	182	2	20	0	3655	36	66599	38	2	0	1076	11	19610	$ 46,989	$ 29,724	2579	25
2038	90	11	4	112	972	91	2	20	0	227	1963	183	2	20	0	3680	37	67052	38	2	0	1083	11	19743	$ 47,308	$ 29,027	2597	26
2039	90	11	4	113	979	91	2	20	0	228	1977	184	2	20	0	3705	37	67508	38	2	0	1091	11	19878	$ 47,630	$ 28,345	2614	26
2040	90	11	4	114	985	92	2	20	0	230	1990	186	2	20	0	3730	37	67967	38	2	0	1098	11	20013	$ 47,954	$ 27,680	2632	26
2041	90	11	4	114	992	92	2	20	0	231	2004	187	2	20	0	3756	37	68429	38	2	0	1106	11	20149	$ 48,280	$ 27,030	2650	26
2042	90	11	4	115	999	93	2	20	0	233	2017	188	2	20	0	3781	38	68894	38	2	0	1113	11	20286	$ 48,608	$ 26,396	2668	26
2043	90	11	4	116	1005	94	2	21	0	234	2031	189	2	21	0	3807	38	69363	38	2	0	1121	11	20424	$ 48,939	$ 25,776	2686	26
2044	90	11	4	117	1012	94	2	21	0	236	2045	191	2	21	0	3833	38	69834	38	2	0	1128	11	20563	$ 49,271	$ 25,171	2705	27
2045	90	11	4	118	1019	95	2	21	0	238	2059	192	2	21	0	3859	38	70309	38	2	0	1136	11	20703	$ 49,607	$ 24,580	2723	27
2046	90	11	4	118	1026	96	2	21	0	239	2073	193	2	21	0	3885	38	70783	38	2	0	1144	11	20842	$ 49,941	$ 24,002	2741	27
2047	90	11	4	119	1033	96	2	21	0	241	2087	195	2	21	0	3911	39	71269	38	2	0	1151	12	20985	$ 50,283	$ 23,440	2760	27
2048	90	11	4	120	1040	97	2	21	0	242	2101	196	2	21	0	3938	39	71753	38	2	0	1159	12	21128	$ 50,625	$ 22,890	2779	27
2049	90	11	4	121	1047	98	2	21	0	244	2115	197	2	21	0	3965	39	72241	38	2	0	1167	12	21271	$ 50,970	$ 22,353	2798	28
2050	90	11	4	122	1054	98	2	22	0	246	2130	199	2	22	0	3992	40	72732	38	2	0	1175	12	21416	$ 51,316	$ 21,828	2817	28
2051	90	11	4	122	1061	99	2	22	0	247	2144	200	2	22	0	4019	40	73227	38	2	0	1183	12	21562	$ 51,665	$ 21,316	2836	28
2052	89.6	10.7	4.1	123.3	1068.7	99.6	2.5	21.8	0.0	249.1	2158.8	201.2	2.5	21.8	0.0	4046.3	40.2	73724.8	38.1	1.9	0.1	1191.1	12.0	21708.3	52016.5	20815.2	2855.2	28.1
Total																									**$ 1,057,281.84**	**$ 586,696.74**		

Seven Fields Blvd WB-SAT

Growth Rate	0.68%
Build % Reduction in Delay	
Left	43%
Through	#DIV/0!
Right	32%

	No- Build																		Build									
Year	Delay			Passenger Vehicle Count (VpH)			Commercial Vehicle Count (VpH)			Total Passenger Vehicle Persons (PpH)			Total Commercial Vehicle Persons (PpH)			Total Passenger Annual Hours Delayed	Total Commercial Annual Hours Delayed	Total Time Value of Delay	Delay			Total Annual Passenger Hours Delayed	Total Commercial Hours Delayed	Total Time Value of Delay	Difference in Cost	Discounted Cost Savings	Passenger Hours Saved	Commercial Hours Saved
	L	T	R	L	T	R	L	T	R	L	T	R	L	T	R				L	T	R							
2022																												
2023																												
2024																												
2025	12	71	7	9	1155	183	0	24	0	18	2334	370	0	24	0	14819	147	270022	12	71	7	14819	147	270022	$ -	$ -	0	0
2026	12	71	7	9	1163	185	0	24	0	18	2350	373	0	24	0	14920	148	271859	12	71	7	14920	148	271859	$ -	$ -	0	0
2027	12	71	7	9	1171	186	0	24	0	18	2366	375	0	24	0	15021	149	273707	12	71	7	15021	149	273707	$ -	$ -	0	0
2028	12	71	7	9	1179	187	0	24	0	18	2382	378	0	24	0	15124	150	275568	13	75	7	15880	158	289347	$ (13,778)	$ (11,472)	-756	-8
2029	12	71	7	9	1187	188	0	24	0	18	2398	381	0	24	0	15226	151	277442	13	75	7	15988	159	291314	$ (13,872)	$ (11,203)	-761	-8
2030	12	71	7	9	1195	190	0	24	0	18	2414	383	0	24	0	15330	152	279329	13	75	7	16097	160	293295	$ (13,966)	$ (10,940)	-767	-8
2031	12	71	7	9	1203	191	0	25	0	18	2431	386	0	25	0	15434	153	281228	8	17	11	4098	37	74560	$ 206,668	$ 157,017	11336	116
2032	12	71	7	9	1211	192	0	25	0	18	2447	388	0	25	0	15539	154	283141	8	17	11	4126	38	75067	$ 208,074	$ 153,331	11413	117
2033	12	71	7	9	1220	194	0	25	0	19	2464	391	0	25	0	15645	156	285066	8	17	11	4154	38	75578	$ 209,488	$ 149,732	11491	118
2034	12	71	7	9	1228	195	0	25	0	19	2480	394	0	25	0	15751	157	287004	8	17	11	4182	38	76091	$ 210,913	$ 146,218	11569	118
2035	12	71	7	9	1236	196	0	25	0	19	2497	396	0	25	0	15858	158	288956	8	17	11	4211	38	76609	$ 212,347	$ 142,785	11648	119
2036	12	71	7	9	1245	198	0	25	0	19	2514	399	0	25	0	15966	159	290921	8	17	11	4239	39	77130	$ 213,791	$ 139,434	11727	120
2037	12	71	7	9	1253	199	0	26	0	19	2531	402	0	26	0	16075	160	292899	8	17	11	4268	39	77654	$ 215,245	$ 136,161	11807	121
2038	12	71	7	10	1262	200	0	26	0	19	2549	405	0	26	0	16184	161	294891	8	17	11	4297	39	78182	$ 216,709	$ 132,965	11887	122
2039	12	71	7	10	1270	202	0	26	0	19	2566	407	0	26	0	16294	162	296896	8	17	11	4326	39	78714	$ 218,182	$ 129,844	11968	122
2040	12	71	7	10	1279	203	0	26	0	20	2583	410	0	26	0	16405	163	298915	8	17	11	4356	40	79249	$ 219,666	$ 126,796	12049	123
2041	12	71	7	10	1288	204	0	26	0	20	2601	413	0	26	0	16516	164	300948	8	17	11	4385	40	79788	$ 221,160	$ 123,820	12131	124
2042	12	71	7	10	1296	206	0	26	0	20	2619	416	0	26	0	16629	165	302994	8	17	11	4415	40	80331	$ 222,663	$ 120,914	12214	125
2043	12	71	7	10	1305	207	0	27	0	20	2636	418	0	27	0	16742	166	305055	8	17	11	4445	41	80877	$ 224,178	$ 118,076	12297	126
2044	12	71	7	10	1314	209	0	27	0	20	2654	421	0	27	0	16856	168	307129	8	17	11	4475	41	81427	$ 225,702	$ 115,304	12380	127
2045	12	71	7	10	1323	210	0	27	0	20	2672	424	0	27	0	16970	169	309217	8	17	11	4506	41	81981	$ 227,237	$ 112,598	12465	128
2046	12	71	7	10	1332	211	0	27	0	20	2691	427	0	27	0	17086	170	311320	8	17	11	4536	41	82538	$ 228,782	$ 109,955	12549	128
2047	12	71	7	10	1341	213	0	27	0	20	2709	430	0	27	0	17202	171	313437	8	17	11	4567	42	83099	$ 230,338	$ 107,374	12635	129
2048	12	71	7	10	1350	214	0	28	0	21	2727	433	0	28	0	17319	172	315568	8	17	11	4598	42	83664	$ 231,904	$ 104,854	12721	130
2049	12	71	7	10	1359	216	0	28	0	21	2746	436	0	28	0	17437	173	317714	8	17	11	4630	42	84233	$ 233,481	$ 102,392	12807	131
2050	12	71	7	10	1369	217	0	28	0	21	2765	439	0	28	0	17555	174	319875	8	17	11	4661	43	84806	$ 235,069	$ 99,989	12894	132
2051	12	71	7	10	1378	219	0	28	0	21	2783	442	0	28	0	17675	176	322050	8	17	11	4693	43	85383	$ 236,667	$ 97,642	12982	133
2052	12.3	71.4	6.8	10.5	1387.3	220.2	0.0	28.3	0.0	21.2	2802.3	444.8	0.0	28.3	0.0	17794.8	176.9	324239.8	7.8	17.4	11.4	4724.6	43.1	85963.4	238276.4	95350.1	13070.1	133.8
Total																									**$ 4,844,922.53**	**$ 2,688,934.67**		

Seven Fields Blvd NB-SAT

Growth Rate	0.68%
Build % Reduction in Delay	
Left	43%
Through	#DIV/0!
Right	32%

	No- Build																		Build									
Year	Delay			Passenger Vehicle Count (VpH)			Commercial Vehicle Count (VpH)			Total Passenger Vehicle Persons (PpH)			Total Commercial Vehicle Persons (PpH)			Total Passenger Annual Hours Delayed	Total Commercial Annual Hours Delayed	Total Time Value of Delay	Delay			Total Annual Passenger Hours Delayed	Total Commercial Hours Delayed	Total Time Value of Delay	Difference in Cost	Discounted Cost Savings	Passenger Hours Saved	Commercial Hours Saved
	L	T	R	L	T	R	L	T	R	L	T	R	L	T	R				L	T	R							
2022																												
2023																												
2024																												
2025	82	54	54	65	31	31	0	0	0	132	62	62	0	0	0	1528	0	27360	82	54	54	1528	0	27360	$ -	$ -	0	0
2026	82	54	54	66	31	31	0	0	0	133	62	62	0	0	0	1539	0	27546	82	54	54	1539	0	27546	$ -	$ -	0	0
2027	82	54	54	66	31	31	0	0	0	134	63	63	0	0	0	1549	0	27733	82	54	54	1549	0	27733	$ -	$ -	0	0
2028	82	54	54	67	31	31	0	0	0	135	63	63	0	0	0	1560	0	27922	86	57	57	1638	0	29318	$ (1,396)	$ (1,162)	-78	0
2029	82	54	54	67	31	31	0	0	0	136	63	63	0	0	0	1570	0	28112	86	57	57	1649	0	29517	$ (1,406)	$ (1,135)	-79	0
2030	82	54	54	68	32	32	0	0	0	137	64	64	0	0	0	1581	0	28303	86	57	57	1660	0	29718	$ (1,415)	$ (1,108)	-79	0
2031	82	54	54	68	32	32	0	0	0	138	64	64	0	0	0	1592	0	28495	37	33	34	821	0	14694	$ 13,802	$ 10,486	771	0
2032	82	54	54	69	32	32	0	0	0	139	65	65	0	0	0	1603	0	28689	37	33	34	826	0	14794	$ 13,896	$ 10,240	776	0
2033	82	54	54	69	32	32	0	0	0	140	65	65	0	0	0	1614	0	28884	37	33	34	832	0	14894	$ 13,990	$ 9,999	782	0
2034	82	54	54	70	32	32	0	0	0	141	66	66	0	0	0	1625	0	29081	37	33	34	838	0	14995	$ 14,085	$ 9,765	787	0
2035	82	54	54	70	33	33	0	0	0	142	66	66	0	0	0	1636	0	29278	37	33	34	843	0	15097	$ 14,181	$ 9,535	792	0
2036	82	54	54	71	33	33	0	0	0	143	67	67	0	0	0	1647	0	29477	37	33	34	849	0	15200	$ 14,277	$ 9,312	798	0
2037	82	54	54	71	33	33	0	0	0	144	67	67	0	0	0	1658	0	29678	37	33	34	855	0	15303	$ 14,374	$ 9,093	803	0
2038	82	54	54	72	33	33	0	0	0	144	67	67	0	0	0	1669	0	29880	37	33	34	861	0	15408	$ 14,472	$ 8,880	809	0
2039	82	54	54	72	34	34	0	0	0	145	68	68	0	0	0	1681	0	30083	37	33	34	867	0	15512	$ 14,571	$ 8,671	814	0
2040	82	54	54	73	34	34	0	0	0	146	68	68	0	0	0	1692	0	30287	37	33	34	873	0	15618	$ 14,670	$ 8,468	820	0
2041	82	54	54	73	34	34	0	0	0	147	69	69	0	0	0	1704	0	30493	37	33	34	878	0	15724	$ 14,769	$ 8,269	825	0
2042	82	54	54	73	34	34	0	0	0	148	69	69	0	0	0	1715	0	30701	37	33	34	884	0	15831	$ 14,870	$ 8,075	831	0
2043	82	54	54	74	35	35	0	0	0	149	70	70	0	0	0	1727	0	30910	37	33	34	890	0	15939	$ 14,971	$ 7,885	836	0
2044	82	54	54	74	35	35	0	0	0	150	70	70	0	0	0	1739	0	31120	37	33	34	896	0	16047	$ 15,073	$ 7,700	842	0
2045	82	54	54	75	35	35	0	0	0	152	71	71	0	0	0	1750	0	31331	37	33	34	903	0	16156	$ 15,175	$ 7,519	848	0
2046	82	54	54	76	35	35	0	0	0	153	71	71	0	0	0	1762	0	31544	37	33	34	909	0	16266	$ 15,278	$ 7,343	854	0
2047	82	54	54	76	35	35	0	0	0	154	72	72	0	0	0	1774	0	31759	37	33	34	915	0	16377	$ 15,382	$ 7,171	859	0
2048	82	54	54	77	36	36	0	0	0	155	72	72	0	0	0	1786	0	31975	37	33	34	921	0	16488	$ 15,487	$ 7,002	865	0
2049	82	54	54	77	36	36	0	0	0	156	73	73	0	0	0	1798	0	32192	37	33	34	927	0	16600	$ 15,592	$ 6,838	871	0
2050	82	54	54	78	36	36	0	0	0	157	73	73	0	0	0	1811	0	32411	37	33	34	934	0	16713	$ 15,698	$ 6,677	877	0
2051	82	54	54	78	36	36	0	0	0	158	74	74	0	0	0	1823	0	32632	37	33	34	940	0	16827	$ 15,805	$ 6,521	883	0
2052	81.5	54.0	54.3	78.6	36.7	36.7	0.0	0.0	0.0	158.9	74.1	74.1	0.0	0.0	0.0	1835.4	0.0	32853.5	37.1	32.9	33.5	946.4	0.0	16941.0	15912.5	6367.7	889.0	0.0
Total																									**$ 322,115.20**	**$ 178,410.80**		

Seven Fields Blvd SB-SAT

Growth Rate	0.68%
Build % Reduction in Delay	
Left	43%
Through	#DIV/0!
Right	32%

	No- Build																		Build									
Year	Delay			Passenger Vehicle Count (VpH)			Commercial Vehicle Count (VpH)			Total Passenger Vehicle Persons (PpH)			Total Commercial Vehicle Persons (PpH)			Total Passenger Annual Hours Delayed	Total Commercial Annual Hours Delayed	Total Time Value of Delay	Delay			Total Annual Passenger Hours Delayed	Total Commercial Hours Delayed	Total Time Value of Delay	Difference in Cost	Discounted Cost Savings	Passenger Hours Saved	Commercial Hours Saved
	L	T	R	L	T	R	L	T	R	L	T	R	L	T	R				L	T	R							
2022																												
2023																												
2024																												
2025	89	56	56	151	22	134	2	0	1	306	44	271	2	0	1	3917	19	70714	89	56	56	3917	19	70714	$ -	$ -	0	0
2026	89	56	56	152	22	135	2	0	1	308	44	273	2	0	1	3944	19	71195	89	56	56	3944	19	71195	$ -	$ -	0	0
2027	89	56	56	153	22	136	2	0	1	310	45	274	2	0	1	3971	19	71679	89	56	56	3971	19	71679	$ -	$ -	0	0
2028	89	56	56	154	22	137	2	0	1	312	45	276	2	0	1	3998	19	72167	93	59	59	4197	20	75775	$ (3,608)	$ (3,004)	-200	-1
2029	89	56	56	155	22	138	2	0	1	314	45	278	2	0	1	4025	19	72657	93	59	59	4226	20	76290	$ (3,633)	$ (2,934)	-201	-1
2030	89	56	56	157	23	139	2	0	1	316	46	280	2	0	1	4052	19	73151	93	59	59	4255	20	76809	$ (3,658)	$ (2,865)	-203	-1
2031	89	56	56	158	23	140	2	0	1	318	46	282	2	0	1	4080	19	73649	45	34	34	2220	10	40073	$ 33,576	$ 25,509	1860	9
2032	89	56	56	159	23	141	2	0	1	320	46	284	2	0	1	4107	19	74150	45	34	34	2235	10	40345	$ 33,804	$ 24,911	1872	9
2033	89	56	56	160	23	141	2	0	1	323	47	286	2	0	1	4135	20	74654	45	34	34	2250	11	40620	$ 34,034	$ 24,326	1885	9
2034	89	56	56	161	23	142	2	0	1	325	47	288	2	0	1	4163	20	75161	45	34	34	2265	11	40896	$ 34,266	$ 23,755	1898	9
2035	89	56	56	162	23	143	2	0	1	327	47	290	2	0	1	4192	20	75673	45	34	34	2281	11	41174	$ 34,499	$ 23,197	1911	9
2036	89	56	56	163	24	144	2	0	1	329	48	292	2	0	1	4220	20	76187	45	34	34	2296	11	41454	$ 34,733	$ 22,653	1924	9
2037	89	56	56	164	24	145	2	0	1	331	48	294	2	0	1	4249	20	76705	45	34	34	2312	11	41736	$ 34,969	$ 22,121	1937	9
2038	89	56	56	165	24	146	2	0	1	334	48	296	2	0	1	4278	20	77227	45	34	34	2328	11	42020	$ 35,207	$ 21,602	1950	9
2039	89	56	56	166	24	147	2	0	1	336	48	298	2	0	1	4307	20	77752	45	34	34	2344	11	42305	$ 35,447	$ 21,095	1963	9
2040	89	56	56	167	24	148	2	0	1	338	49	300	2	0	1	4336	20	78281	45	34	34	2360	11	42593	$ 35,688	$ 20,600	1977	9
2041	89	56	56	169	24	149	2	0	2	341	49	302	2	0	2	4366	21	78813	45	34	34	2376	11	42883	$ 35,930	$ 20,116	1990	9
2042	89	56	56	170	24	150	2	0	2	343	49	304	2	0	2	4395	21	79349	45	34	34	2392	11	43174	$ 36,175	$ 19,644	2004	10
2043	89	56	56	171	25	151	2	0	2	345	50	306	2	0	2	4425	21	79888	45	34	34	2408	11	43468	$ 36,421	$ 19,183	2017	10
2044	89	56	56	172	25	152	2	0	2	348	50	308	2	0	2	4455	21	80432	45	34	34	2424	11	43763	$ 36,668	$ 18,733	2031	10
2045	89	56	56	173	25	153	2	0	2	350	51	310	2	0	2	4486	21	80979	45	34	34	2441	11	44061	$ 36,918	$ 18,293	2045	10
2046	89	56	56	174	25	154	2	0	2	352	51	312	2	0	2	4516	21	81526	45	34	34	2457	11	44359	$ 37,167	$ 17,863	2059	10
2047	89	56	56	176	25	156	2	0	2	355	51	314	2	0	2	4547	21	82084	45	34	34	2474	12	44662	$ 37,421	$ 17,444	2073	10
2048	89	56	56	177	26	157	2	0	2	357	52	316	2	0	2	4578	22	82642	45	34	34	2491	12	44966	$ 37,676	$ 17,035	2087	10
2049	89	56	56	178	26	158	2	0	2	360	52	318	2	0	2	4609	22	83204	45	34	34	2508	12	45272	$ 37,932	$ 16,635	2101	10
2050	89	56	56	179	26	159	2	0	2	362	52	321	2	0	2	4640	22	83770	45	34	34	2525	12	45580	$ 38,190	$ 16,244	2115	10
2051	89	56	56	180	26	160	2	0	2	364	53	323	2	0	2	4672	22	84339	45	34	34	2542	12	45890	$ 38,450	$ 15,863	2130	10
2052	88.6	56.2	56.2	181.7	26.2	160.9	1.8	0.0	1.6	367.0	53.0	325.0	1.8	0.0	1.6	4703.6	22.2	84912.7	45.1	33.6	33.6	2559.4	12.0	46201.7	38711.1	15490.8	2144.2	10.2
Total																									**$ 782,980.93**	**$ 433,509.29**		

Adams Ridge Blvd EB - AM

Growth Rate	0.68%
Build % Reduction in Delay	
Left	#DIV/0!
Through	48%
Right	62%

	No- Build																		Build									
Year	Delay			Passenger Vehicle Count (VpH)			Commercial Vehicle Count (VpH)			Total Passenger Vehicle Persons (PpH)			Total Commercial Vehicle Persons (PpH)			Total Passenger Annual Hours Delayed	Total Commercial Annual Hours Delayed	Total Time Value of Delay	Delay			Total Annual Passenger Hours Delayed	Total Commercial Hours Delayed	Total Time Value of Delay	Difference in Cost	Discounted Cost Savings	Passenger Hours Saved	Commercial Hours Saved
	L	T	R	L	T	R	L	T	R	L	T	R	L	T	R				L	T	R							
2022																												
2023																												
2024																												
2025	0	28	14	0	605	60	0	75	10	0	896	89	0	75	10	5652	479	116647	0	28	14	5652	479	116647	$ -	$ -	0	0
2026	0	28	14	0	609	61	0	75	10	0	902	90	0	75	10	5690	483	117440	0	28	14	5690	483	117440	$ -	$ -	0	0
2027	0	28	14	0	613	61	0	76	10	0	908	90	0	76	10	5729	486	118239	0	28	14	5729	486	118239	$ -	$ -	0	0
2028	0	28	14	0	618	61	0	76	10	0	914	91	0	76	10	5768	489	119043	0	29	15	6056	514	124995	$ (5,952)	$ (4,956)	-288	-24
2029	0	28	14	0	622	62	0	77	10	0	920	92	0	77	10	5807	492	119852	0	29	15	6097	517	125845	$ (5,993)	$ (4,840)	-290	-25
2030	0	28	14	0	626	62	0	77	10	0	927	92	0	77	10	5847	496	120667	0	29	15	6139	521	126700	$ (6,033)	$ (4,726)	-292	-25
2031	0	28	14	0	630	63	0	78	10	0	933	93	0	78	10	5886	499	121488	0	15	6	3041	257	62738	$ 58,749	$ 44,635	2845	242
2032	0	28	14	0	635	63	0	78	10	0	939	93	0	78	10	5926	503	122314	0	15	6	3062	259	63165	$ 59,149	$ 43,587	2864	244
2033	0	28	14	0	639	64	0	79	10	0	946	94	0	79	10	5967	506	123145	0	15	6	3083	260	63594	$ 59,551	$ 42,564	2884	246
2034	0	28	14	0	643	64	0	80	10	0	952	95	0	80	10	6007	509	123983	0	15	6	3104	262	64027	$ 59,956	$ 41,565	2903	247
2035	0	28	14	0	648	64	0	80	10	0	959	95	0	80	10	6048	513	124826	0	15	6	3125	264	64462	$ 60,364	$ 40,589	2923	249
2036	0	28	14	0	652	65	0	81	11	0	965	96	0	81	11	6089	516	125675	0	15	6	3146	266	64900	$ 60,774	$ 39,637	2943	251
2037	0	28	14	0	656	65	0	81	11	0	972	97	0	81	11	6131	520	126529	0	15	6	3168	268	65342	$ 61,188	$ 38,706	2963	252
2038	0	28	14	0	661	66	0	82	11	0	978	97	0	82	11	6172	523	127390	0	15	6	3189	269	65786	$ 61,604	$ 37,798	2983	254
2039	0	28	14	0	665	66	0	82	11	0	985	98	0	82	11	6214	527	128256	0	15	6	3211	271	66233	$ 62,022	$ 36,911	3003	256
2040	0	28	14	0	670	67	0	83	11	0	992	99	0	83	11	6256	531	129128	0	15	6	3233	273	66684	$ 62,444	$ 36,044	3024	258
2041	0	28	14	0	675	67	0	83	11	0	998	99	0	83	11	6299	534	130006	0	15	6	3255	275	67137	$ 62,869	$ 35,198	3044	259
2042	0	28	14	0	679	68	0	84	11	0	1005	100	0	84	11	6342	538	130890	0	15	6	3277	277	67594	$ 63,296	$ 34,372	3065	261
2043	0	28	14	0	684	68	0	85	11	0	1012	101	0	85	11	6385	541	131780	0	15	6	3299	279	68054	$ 63,727	$ 33,565	3086	263
2044	0	28	14	0	688	68	0	85	11	0	1019	101	0	85	11	6428	545	132676	0	15	6	3321	281	68516	$ 64,160	$ 32,777	3107	265
2045	0	28	14	0	693	69	0	86	11	0	1026	102	0	86	11	6472	549	133579	0	15	6	3344	282	68982	$ 64,596	$ 32,008	3128	266
2046	0	28	14	0	698	69	0	86	11	0	1033	103	0	86	11	6516	553	134487	0	15	6	3367	284	69451	$ 65,036	$ 31,257	3149	268
2047	0	28	14	0	703	70	0	87	11	0	1040	103	0	87	11	6560	556	135401	0	15	6	3390	286	69924	$ 65,478	$ 30,523	3171	270
2048	0	28	14	0	707	70	0	87	11	0	1047	104	0	87	11	6605	560	136322	0	15	6	3413	288	70399	$ 65,923	$ 29,807	3192	272
2049	0	28	14	0	712	71	0	88	12	0	1054	105	0	88	12	6650	564	137249	0	15	6	3436	290	70878	$ 66,371	$ 29,107	3214	274
2050	0	28	14	0	717	71	0	89	12	0	1061	106	0	89	12	6695	568	138182	0	15	6	3459	292	71360	$ 66,823	$ 28,424	3236	276
2051	0	28	14	0	722	72	0	89	12	0	1068	106	0	89	12	6741	572	139122	0	15	6	3483	294	71845	$ 67,277	$ 27,757	3258	277
2052	0.0	27.7	14.3	0.0	726.7	72.3	0.0	89.8	11.8	0.0	1075.5	107.0	0.0	89.8	11.8	6786.5	575.5	140068.1	0.0	14.5	5.5	3506.5	296.2	72333.5	67734.6	27105.1	3280.0	279.3
Total																									**$ 1,371,114.42**	**$ 759,415.58**		

Adams Ridge Blvd WB - AM

Growth Rate	0.68%
Build % Reduction in Delay	
Left	78%
Through	89%
Right	#DIV/0!

	No- Build																		Build									
Year	Delay			Passenger Vehicle Count (VpH)			Commercial Vehicle Count (VpH)			Total Passenger Vehicle Persons (PpH)			Total Commercial Vehicle Persons (PpH)			Total Passenger Annual Hours Delayed	Total Commercial Annual Hours Delayed	Total Time Value of Delay	Delay			Total Annual Passenger Hours Delayed	Total Commercial Hours Delayed	Total Time Value of Delay	Difference in Cost	Discounted Cost Savings	Passenger Hours Saved	Commercial Hours Saved
	L	T	R	L	T	R	L	T	R	L	T	R	L	T	R				L	T	R							
2022																												
2023																												
2024																												
2025	0	28	14	47	814	0	8	71	0	69	1205	0	8	71	0	7232	425	143180	0	28	14	7232	425	143180	$ -	$ -	0	0
2026	0	28	14	47	820	0	8	71	0	70	1213	0	8	71	0	7281	428	144153	0	28	14	7281	428	144153	$ -	$ -	0	0
2027	0	28	14	47	825	0	8	72	0	70	1221	0	8	72	0	7331	431	145133	0	28	14	7331	431	145133	$ -	$ -	0	0
2028	0	28	14	48	831	0	8	72	0	71	1230	0	8	72	0	7381	434	146120	0	29	15	7750	455	153426	$ (7,306)	$ (6,083)	-369	-22
2029	0	28	14	48	837	0	8	73	0	71	1238	0	8	73	0	7431	437	147114	0	29	15	7802	458	154470	$ (7,356)	$ (5,940)	-372	-22
2030	0	28	14	48	842	0	9	73	0	72	1247	0	9	73	0	7481	440	148114	0	29	15	7855	462	155520	$ (7,406)	$ (5,801)	-374	-22
2031	0	28	14	49	848	0	9	74	0	72	1255	0	9	74	0	7532	443	149121	0	3	0	837	49	16569	$ 132,552	$ 100,707	6695	393
2032	0	28	14	49	854	0	9	74	0	73	1264	0	9	74	0	7583	446	150135	0	3	0	843	50	16682	$ 133,454	$ 98,343	6741	396
2033	0	28	14	49	860	0	9	75	0	73	1272	0	9	75	0	7635	449	151156	0	3	0	848	50	16795	$ 134,361	$ 96,035	6787	399
2034	0	28	14	50	865	0	9	75	0	74	1281	0	9	75	0	7687	452	152184	0	3	0	854	50	16909	$ 135,275	$ 93,781	6833	401
2035	0	28	14	50	871	0	9	76	0	74	1290	0	9	76	0	7739	455	153219	0	3	0	860	51	17024	$ 136,195	$ 91,579	6879	404
2036	0	28	14	50	877	0	9	76	0	75	1298	0	9	76	0	7792	458	154261	0	3	0	866	51	17140	$ 137,121	$ 89,430	6926	407
2037	0	28	14	51	883	0	9	77	0	75	1307	0	9	77	0	7845	461	155310	0	3	0	872	51	17257	$ 138,053	$ 87,331	6973	410
2038	0	28	14	51	889	0	9	77	0	76	1316	0	9	77	0	7898	464	156366	0	3	0	878	52	17374	$ 138,992	$ 85,281	7021	412
2039	0	28	14	51	895	0	9	78	0	76	1325	0	9	78	0	7952	467	157429	0	3	0	884	52	17492	$ 139,937	$ 83,279	7068	415
2040	0	28	14	52	901	0	9	78	0	77	1334	0	9	78	0	8006	470	158500	0	3	0	890	52	17611	$ 140,889	$ 81,324	7116	418
2041	0	28	14	52	907	0	9	79	0	77	1343	0	9	79	0	8060	474	159578	0	3	0	896	53	17731	$ 141,847	$ 79,415	7165	421
2042	0	28	14	52	914	0	9	79	0	78	1352	0	9	79	0	8115	477	160663	0	3	0	902	53	17851	$ 142,811	$ 77,551	7214	424
2043	0	28	14	53	920	0	9	80	0	78	1361	0	9	80	0	8170	480	161755	0	3	0	908	53	17973	$ 143,783	$ 75,731	7263	427
2044	0	28	14	53	926	0	9	81	0	79	1371	0	9	81	0	8226	483	162855	0	3	0	914	54	18095	$ 144,760	$ 73,953	7312	430
2045	0	28	14	54	932	0	9	81	0	79	1380	0	9	81	0	8282	487	163963	0	3	0	920	54	18218	$ 145,745	$ 72,218	7362	433
2046	0	28	14	54	939	0	10	82	0	80	1389	0	10	82	0	8338	490	165078	0	3	0	926	54	18342	$ 146,736	$ 70,523	7412	435
2047	0	28	14	54	945	0	10	82	0	80	1399	0	10	82	0	8395	493	166200	0	3	0	933	55	18467	$ 147,733	$ 68,867	7462	438
2048	0	28	14	55	952	0	10	83	0	81	1408	0	10	83	0	8452	497	167330	0	3	0	939	55	18592	$ 148,738	$ 67,251	7513	441
2049	0	28	14	55	958	0	10	83	0	81	1418	0	10	83	0	8509	500	168468	0	3	0	945	56	18719	$ 149,749	$ 65,672	7564	444
2050	0	28	14	55	965	0	10	84	0	82	1427	0	10	84	0	8567	503	169614	0	3	0	952	56	18846	$ 150,768	$ 64,131	7615	447
2051	0	28	14	56	971	0	10	84	0	83	1437	0	10	84	0	8626	507	170767	0	3	0	958	56	18974	$ 151,793	$ 62,625	7667	450
2052	0.0	27.7	14.3	56.1	977.7	0.0	9.9	85.0	0.0	83.1	1447.0	0.0	9.9	85.0	0.0	8684.2	510.2	171928.3	0.0	3.1	0.0	964.9	56.7	19103.1	152825.2	61155.4	7719.3	453.5
Total																									**$ 3,112,050.35**	**$ 1,728,358.46**		

Adams Ridge Blvd NB - AM

Growth Rate	0.68%
Build % Reduction in Delay	
Left	40%
Through	#DIV/0!
Right	33%

	No- Build																		Build									
Year	Delay			Passenger Vehicle Count (VpH)			Commercial Vehicle Count (VpH)			Total Passenger Vehicle Persons (PpH)			Total Commercial Vehicle Persons (PpH)			Total Passenger Annual Hours Delayed	Total Commercial Annual Hours Delayed	Total Time Value of Delay	Delay			Total Annual Passenger Hours Delayed	Total Commercial Hours Delayed	Total Time Value of Delay	Difference in Cost	Discounted Cost Savings	Passenger Hours Saved	Commercial Hours Saved
	L	T	R	L	T	R	L	T	R	L	T	R	L	T	R				L	T	R							
2022																												
2023																												
2024																												
2025	67	0	42	406	0	223	4	0	2	601	0	330	4	0	2	11723	80	212429	67	0	42	11723	80	212429	$ -	$ -	0	0
2026	67	0	42	409	0	224	4	0	2	605	0	332	4	0	2	11803	81	213873	67	0	42	11803	81	213873	$ -	$ -	0	0
2027	67	0	42	411	0	226	4	0	2	609	0	334	4	0	2	11883	81	215328	67	0	42	11883	81	215328	$ -	$ -	0	0
2028	67	0	42	414	0	227	4	0	2	613	0	336	4	0	2	11964	82	216792	70	0	45	12562	86	227632	$ (10,840)	$ (9,025)	-598	-4
2029	67	0	42	417	0	229	4	0	2	617	0	339	4	0	2	12045	82	218266	70	0	45	12648	86	229180	$ (10,913)	$ (8,813)	-602	-4
2030	67	0	42	420	0	230	4	0	2	621	0	341	4	0	2	12127	83	219750	70	0	45	12734	87	230738	$ (10,988)	$ (8,607)	-606	-4
2031	67	0	42	423	0	232	4	0	2	626	0	343	4	0	2	12210	83	221245	40	0	29	7515	51	136184	$ 85,061	$ 64,625	4694	32
2032	67	0	42	426	0	234	4	0	2	630	0	346	4	0	2	12293	84	222749	40	0	29	7567	52	137110	$ 85,639	$ 63,108	4726	32
2033	67	0	42	429	0	235	4	0	2	634	0	348	4	0	2	12376	84	224264	40	0	29	7618	52	138042	$ 86,221	$ 61,627	4758	32
2034	67	0	42	431	0	237	4	0	2	639	0	350	4	0	2	12460	85	225789	40	0	29	7670	52	138981	$ 86,808	$ 60,180	4791	33
2035	67	0	42	434	0	238	4	0	2	643	0	353	4	0	2	12545	86	227324	40	0	29	7722	53	139926	$ 87,398	$ 58,768	4823	33
2036	67	0	42	437	0	240	4	0	2	647	0	355	4	0	2	12630	86	228870	40	0	29	7775	53	140878	$ 87,992	$ 57,388	4856	33
2037	67	0	42	440	0	242	4	0	2	652	0	358	4	0	2	12716	87	230426	40	0	29	7827	53	141836	$ 88,591	$ 56,041	4889	33
2038	67	0	42	443	0	243	4	0	2	656	0	360	4	0	2	12803	87	231993	40	0	29	7881	54	142800	$ 89,193	$ 54,726	4922	34
2039	67	0	42	446	0	245	5	0	2	661	0	362	5	0	2	12890	88	233571	40	0	29	7934	54	143771	$ 89,800	$ 53,441	4956	34
2040	67	0	42	449	0	247	5	0	2	665	0	365	5	0	2	12978	89	235159	40	0	29	7988	55	144749	$ 90,410	$ 52,187	4989	34
2041	67	0	42	452	0	248	5	0	3	670	0	367	5	0	3	13066	89	236758	40	0	29	8042	55	145733	$ 91,025	$ 50,962	5023	34
2042	67	0	42	455	0	250	5	0	3	674	0	370	5	0	3	13155	90	238368	40	0	29	8097	55	146724	$ 91,644	$ 49,766	5057	35
2043	67	0	42	459	0	252	5	0	3	679	0	372	5	0	3	13244	90	239989	40	0	29	8152	56	147722	$ 92,267	$ 48,598	5092	35
2044	67	0	42	462	0	253	5	0	3	683	0	375	5	0	3	13334	91	241621	40	0	29	8208	56	148726	$ 92,895	$ 47,457	5127	35
2045	67	0	42	465	0	255	5	0	3	688	0	378	5	0	3	13425	92	243264	40	0	29	8263	56	149738	$ 93,526	$ 46,343	5161	35
2046	67	0	42	468	0	257	5	0	3	693	0	380	5	0	3	13516	92	244918	40	0	29	8320	57	150756	$ 94,162	$ 45,255	5196	35
2047	67	0	42	471	0	259	5	0	3	697	0	383	5	0	3	13608	93	246584	40	0	29	8376	57	151781	$ 94,803	$ 44,193	5232	36
2048	67	0	42	474	0	260	5	0	3	702	0	385	5	0	3	13701	94	248260	40	0	29	8433	58	152813	$ 95,447	$ 43,156	5267	36
2049	67	0	42	478	0	262	5	0	3	707	0	388	5	0	3	13794	94	249949	40	0	29	8491	58	153852	$ 96,096	$ 42,143	5303	36
2050	67	0	42	481	0	264	5	0	3	712	0	391	5	0	3	13888	95	251648	40	0	29	8548	58	154898	$ 96,750	$ 41,154	5339	36
2051	67	0	42	484	0	266	5	0	3	716	0	393	5	0	3	13982	95	253359	40	0	29	8606	59	155952	$ 97,408	$ 40,188	5376	37
2052	66.8	0.0	42.4	487.4	0.0	267.5	4.9	0.0	2.7	721.4	0.0	395.9	4.9	0.0	2.7	14077.0	96.1	255082.3	39.8	0.0	28.5	8664.9	59.1	157012.2	98070.1	39244.3	5412.1	36.9
Total																									**$ 1,978,466.45**	**$ 1,094,104.49**		

Adams Ridge Blvd EB - PM

Growth Rate	0.68%
Build % Reduction in Delay	
Left	#DIV/0!
Through	54%
Right	62%

	No- Build																		Build									
Year	Delay			Passenger Vehicle Count (VpH)			Commercial Vehicle Count (VpH)			Total Passenger Vehicle Persons (PpH)			Total Commercial Vehicle Persons (PpH)			Total Passenger Annual Hours Delayed	Total Commercial Annual Hours Delayed	Total Time Value of Delay	Delay			Total Annual Passenger Hours Delayed	Total Commercial Hours Delayed	Total Time Value of Delay	Difference in Cost	Discounted Cost Savings	Passenger Hours Saved	Commercial Hours Saved
	L	T	R	L	T	R	L	T	R	L	T	R	L	T	R				L	T	R							
2022																												
2023																												
2024																												
2025	0	25	13	0	1000	425	0	20	0	0	1479	629	0	20	0	9666	108	176515	0	25	13	9666	108	176515	$ -	$ -	0	0
2026	0	25	13	0	1006	428	0	21	0	0	1489	633	0	21	0	9731	109	177715	0	25	13	9731	109	177715	$ -	$ -	0	0
2027	0	25	13	0	1013	431	0	21	0	0	1500	638	0	21	0	9798	110	178924	0	25	13	9798	110	178924	$ -	$ -	0	0
2028	0	25	13	0	1020	434	0	21	0	0	1510	642	0	21	0	9864	111	180140	0	26	14	10357	116	189147	$ (9,007)	$ (7,499)	-493	-6
2029	0	25	13	0	1027	437	0	21	0	0	1520	646	0	21	0	9931	111	181365	0	26	14	10428	117	190434	$ (9,068)	$ (7,323)	-497	-6
2030	0	25	13	0	1034	440	0	21	0	0	1530	651	0	21	0	9999	112	182599	0	26	14	10499	118	191728	$ (9,130)	$ (7,152)	-500	-6
2031	0	25	13	0	1041	443	0	21	0	0	1541	655	0	21	0	10067	113	183840	0	11	5	4449	52	81297	$ 102,543	$ 77,907	5618	61
2032	0	25	13	0	1048	446	0	21	0	0	1551	660	0	21	0	10135	114	185090	0	11	5	4479	52	81850	$ 103,240	$ 76,079	5656	62
2033	0	25	13	0	1055	449	0	22	0	0	1562	664	0	22	0	10204	114	186349	0	11	5	4509	52	82407	$ 103,942	$ 74,293	5695	62
2034	0	25	13	0	1062	452	0	22	0	0	1572	669	0	22	0	10274	115	187616	0	11	5	4540	53	82967	$ 104,649	$ 72,549	5734	62
2035	0	25	13	0	1070	455	0	22	0	0	1583	673	0	22	0	10344	116	188892	0	11	5	4571	53	83531	$ 105,361	$ 70,846	5773	63
2036	0	25	13	0	1077	458	0	22	0	0	1594	678	0	22	0	10414	117	190176	0	11	5	4602	53	84099	$ 106,077	$ 69,183	5812	63
2037	0	25	13	0	1084	461	0	22	0	0	1605	682	0	22	0	10485	117	191470	0	11	5	4633	54	84671	$ 106,798	$ 67,559	5851	64
2038	0	25	13	0	1092	464	0	22	0	0	1616	687	0	22	0	10556	118	192772	0	11	5	4665	54	85247	$ 107,525	$ 65,974	5891	64
2039	0	25	13	0	1099	467	0	22	0	0	1627	692	0	22	0	10628	119	194082	0	11	5	4697	54	85827	$ 108,256	$ 64,425	5931	65
2040	0	25	13	0	1107	470	0	23	0	0	1638	696	0	23	0	10700	120	195402	0	11	5	4728	55	86410	$ 108,992	$ 62,913	5972	65
2041	0	25	13	0	1114	474	0	23	0	0	1649	701	0	23	0	10773	121	196731	0	11	5	4761	55	86998	$ 109,733	$ 61,436	6012	66
2042	0	25	13	0	1122	477	0	23	0	0	1660	706	0	23	0	10846	122	198069	0	11	5	4793	56	87589	$ 110,479	$ 59,994	6053	66
2043	0	25	13	0	1129	480	0	23	0	0	1671	711	0	23	0	10920	122	199416	0	11	5	4826	56	88185	$ 111,231	$ 58,586	6094	66
2044	0	25	13	0	1137	483	0	23	0	0	1683	715	0	23	0	10994	123	200772	0	11	5	4858	56	88785	$ 111,987	$ 57,211	6136	67
2045	0	25	13	0	1145	487	0	23	0	0	1694	720	0	23	0	11069	124	202137	0	11	5	4891	57	89388	$ 112,748	$ 55,868	6177	67
2046	0	25	13	0	1152	490	0	24	0	0	1706	725	0	24	0	11144	125	203511	0	11	5	4925	57	89996	$ 113,515	$ 54,556	6219	68
2047	0	25	13	0	1160	493	0	24	0	0	1717	730	0	24	0	11220	126	204895	0	11	5	4958	57	90608	$ 114,287	$ 53,276	6262	68
2048	0	25	13	0	1168	497	0	24	0	0	1729	735	0	24	0	11296	127	206289	0	11	5	4992	58	91224	$ 115,064	$ 52,025	6304	69
2049	0	25	13	0	1176	500	0	24	0	0	1741	740	0	24	0	11373	127	207691	0	11	5	5026	58	91845	$ 115,847	$ 50,804	6347	69
2050	0	25	13	0	1184	503	0	24	0	0	1753	745	0	24	0	11450	128	209104	0	11	5	5060	59	92469	$ 116,634	$ 49,612	6390	70
2051	0	25	13	0	1192	507	0	24	0	0	1764	750	0	24	0	11528	129	210525	0	11	5	5094	59	93098	$ 117,428	$ 48,447	6434	70
2052	0.0	24.5	13.3	0.0	1200.3	510.3	0.0	24.5	0.0	0.0	1776.5	755.3	0.0	24.5	0.0	11606.5	130.0	211957.0	0.0	11.2	5.0	5129.1	59.4	93731.0	118226.0	47310.0	6477.4	70.6
Total																									**$ 2,397,357.62**	**$ 1,328,877.92**		

Adams Ridge Blvd WB - PM

Growth Rate	0.68%
Build % Reduction in Delay	
Left	86%
Through	73%
Right	#DIV/0!

	No- Build																		Build										
Year	Delay			Passenger Vehicle Count (VpH)			Commercial Vehicle Count (VpH)			Total Passenger Vehicle Persons (PpH)			Total Commercial Vehicle Persons (PpH)			Total Passenger Annual Hours Delayed	Total Commercial Annual Hours Delayed	Total Time Value of Delay	Delay			Total Annual Passenger Hours Delayed	Total Commercial Hours Delayed	Total Time Value of Delay	Difference in Cost	Discounted Cost Savings	Passenger Hours Saved	Commercial Hours Saved
	L	T	R	L	T	R	L	T	R	L	T	R	L	T	R				L	T	R							
2022																													
2023																													
2024																													
2025	318	19	0	215	936	0	0	29	0	318	1385	0	0	29	0	27537	117	496700	318	19	0	27537	117	496700	$ -	$ -	0	0
2026	318	19	0	216	942	0	0	29	0	320	1395	0	0	29	0	27724	118	500078	318	19	0	27724	118	500078	$ -	$ -	0	0
2027	318	19	0	218	949	0	0	29	0	323	1404	0	0	29	0	27913	119	503479	318	19	0	27913	119	503479	$ -	$ -	0	0
2028	318	19	0	219	955	0	0	30	0	325	1414	0	0	30	0	28103	120	506902	334	20	0	29508	126	532247	$ (25,345)	$ (21,103)	-1405	-6
2029	318	19	0	221	962	0	0	30	0	327	1423	0	0	30	0	28294	121	510349	334	20	0	29708	127	535867	$ (25,517)	$ (20,608)	-1415	-6
2030	318	19	0	222	968	0	0	30	0	329	1433	0	0	30	0	28486	121	513820	334	20	0	29910	127	539510	$ (25,691)	$ (20,124)	-1424	-6
2031	318	19	0	224	975	0	0	30	0	331	1443	0	0	30	0	28680	122	517313	44	5	0	4701	33	85202	$ 432,112	$ 328,298	23979	89
2032	318	19	0	225	982	0	0	30	0	334	1453	0	0	30	0	28875	123	520831	44	5	0	4733	33	85781	$ 435,050	$ 320,592	24142	90
2033	318	19	0	227	988	0	0	31	0	336	1463	0	0	31	0	29071	124	524373	44	5	0	4765	33	86365	$ 438,008	$ 313,067	24306	91
2034	318	19	0	229	995	0	0	31	0	338	1472	0	0	31	0	29269	125	527939	44	5	0	4797	33	86952	$ 440,987	$ 305,718	24471	91
2035	318	19	0	230	1002	0	0	31	0	341	1482	0	0	31	0	29468	126	531529	44	5	0	4830	34	87543	$ 443,986	$ 298,542	24638	92
2036	318	19	0	232	1008	0	0	31	0	343	1493	0	0	31	0	29668	126	535143	44	5	0	4863	34	88138	$ 447,005	$ 291,535	24805	93
2037	318	19	0	233	1015	0	0	31	0	345	1503	0	0	31	0	29870	127	538782	44	5	0	4896	34	88738	$ 450,044	$ 284,692	24974	93
2038	318	19	0	235	1022	0	0	32	0	348	1513	0	0	32	0	30073	128	542446	44	5	0	4929	34	89341	$ 453,105	$ 278,010	25144	94
2039	318	19	0	236	1029	0	0	32	0	350	1523	0	0	32	0	30278	129	546134	44	5	0	4963	34	89949	$ 456,186	$ 271,484	25315	94
2040	318	19	0	238	1036	0	0	32	0	352	1534	0	0	32	0	30483	130	549848	44	5	0	4997	35	90560	$ 459,288	$ 265,112	25487	95
2041	318	19	0	240	1043	0	0	32	0	355	1544	0	0	32	0	30691	131	553587	44	5	0	5031	35	91176	$ 462,411	$ 258,889	25660	96
2042	318	19	0	241	1050	0	0	32	0	357	1555	0	0	32	0	30899	132	557351	44	5	0	5065	35	91796	$ 465,555	$ 252,812	25835	96
2043	318	19	0	243	1057	0	0	33	0	359	1565	0	0	33	0	31110	133	561141	44	5	0	5099	35	92420	$ 468,721	$ 246,878	26010	97
2044	318	19	0	245	1065	0	0	33	0	362	1576	0	0	33	0	31321	133	564957	44	5	0	5134	36	93049	$ 471,908	$ 241,083	26187	98
2045	318	19	0	246	1072	0	0	33	0	364	1586	0	0	33	0	31534	134	568799	44	5	0	5169	36	93682	$ 475,117	$ 235,424	26365	98
2046	318	19	0	248	1079	0	0	33	0	367	1597	0	0	33	0	31749	135	572667	44	5	0	5204	36	94319	$ 478,348	$ 229,898	26545	99
2047	318	19	0	250	1087	0	0	34	0	369	1608	0	0	34	0	31964	136	576561	44	5	0	5239	36	94960	$ 481,601	$ 224,502	26725	100
2048	318	19	0	251	1094	0	0	34	0	372	1619	0	0	34	0	32182	137	580481	44	5	0	5275	37	95606	$ 484,876	$ 219,233	26907	100
2049	318	19	0	253	1101	0	0	34	0	374	1630	0	0	34	0	32401	138	584429	44	5	0	5311	37	96256	$ 488,173	$ 214,087	27090	101
2050	318	19	0	255	1109	0	0	34	0	377	1641	0	0	34	0	32621	139	588403	44	5	0	5347	37	96910	$ 491,492	$ 209,062	27274	102
2051	318	19	0	256	1116	0	0	35	0	380	1652	0	0	35	0	32843	140	592404	44	5	0	5383	37	97569	$ 494,835	$ 204,154	27459	102
2052	318.0	18.7	0.0	258.2	1124.0	0.0	0.0	34.8	0.0	382.1	1663.5	0.0	0.0	34.8	0.0	33066.1	140.8	596432.3	43.7	5.0	0.0	5419.9	37.7	98232.8	498199.5	199362.4	27646.2	103.2
Total																									**$ 10,140,452.65**	**$ 5,630,600.62**		

Adams Ridge Blvd NB - PM

Growth Rate	0.68%
Build % Reduction in Delay	
Left	43%
Through	#DIV/0!
Right	32%

	No- Build																		Build									
Year	Delay			Passenger Vehicle Count (VpH)			Commercial Vehicle Count (VpH)			Total Passenger Vehicle Persons (PpH)			Total Commercial Vehicle Persons (PpH)			Total Passenger Annual Hours Delayed	Total Commercial Annual Hours Delayed	Total Time Value of Delay	Delay			Total Annual Passenger Hours Delayed	Total Commercial Hours Delayed	Total Time Value of Delay	Difference in Cost	Discounted Cost Savings	Passenger Hours Saved	Commercial Hours Saved
	L	T	R	L	T	R	L	T	R	L	T	R	L	T	R				L	T	R							
2022																												
2023																												
2024																												
2025	91	0	62	225	0	173	5	0	2	334	0	256	5	0	2	10029	114	183211	91	0	62	10029	114	183211	$ -	$ -	0	0
2026	91	0	62	227	0	174	5	0	2	336	0	258	5	0	2	10097	115	184457	91	0	62	10097	115	184457	$ -	$ -	0	0
2027	91	0	62	228	0	176	5	0	2	338	0	260	5	0	2	10166	116	185711	91	0	62	10166	116	185711	$ -	$ -	0	0
2028	91	0	62	230	0	177	5	0	2	340	0	262	5	0	2	10235	117	186974	96	0	65	10747	122	196323	$ (9,349)	$ (7,784)	-512	-6
2029	91	0	62	232	0	178	5	0	2	343	0	263	5	0	2	10305	117	188245	96	0	65	10820	123	197658	$ (9,412)	$ (7,601)	-515	-6
2030	91	0	62	233	0	179	5	0	2	345	0	265	5	0	2	10375	118	189525	96	0	65	10893	124	199002	$ (9,476)	$ (7,423)	-519	-6
2031	91	0	62	235	0	180	5	0	2	347	0	267	5	0	2	10445	119	190814	52	0	42	6316	70	115329	$ 75,486	$ 57,350	4129	49
2032	91	0	62	236	0	182	5	0	2	350	0	269	5	0	2	10516	120	192112	52	0	42	6359	71	116113	$ 75,999	$ 56,004	4157	49
2033	91	0	62	238	0	183	5	0	2	352	0	271	5	0	2	10588	121	193418	52	0	42	6402	71	116902	$ 76,516	$ 54,690	4185	50
2034	91	0	62	240	0	184	5	0	2	355	0	273	5	0	2	10660	121	194733	52	0	42	6446	72	117697	$ 77,036	$ 53,406	4214	50
2035	91	0	62	241	0	185	5	0	2	357	0	274	5	0	2	10732	122	196058	52	0	42	6490	72	118498	$ 77,560	$ 52,152	4242	50
2036	91	0	62	243	0	187	5	0	2	359	0	276	5	0	2	10805	123	197391	52	0	42	6534	73	119303	$ 78,087	$ 50,928	4271	51
2037	91	0	62	244	0	188	5	0	2	362	0	278	5	0	2	10879	124	198733	52	0	42	6578	73	120115	$ 78,618	$ 49,733	4300	51
2038	91	0	62	246	0	189	5	0	2	364	0	280	5	0	2	10953	125	200084	52	0	42	6623	74	120931	$ 79,153	$ 48,566	4330	51
2039	91	0	62	248	0	190	5	0	2	367	0	282	5	0	2	11027	126	201445	52	0	42	6668	74	121754	$ 79,691	$ 47,426	4359	52
2040	91	0	62	250	0	192	5	0	2	369	0	284	5	0	2	11102	127	202815	52	0	42	6713	75	122582	$ 80,233	$ 46,312	4389	52
2041	91	0	62	251	0	193	5	0	2	372	0	286	5	0	2	11178	127	204194	52	0	42	6759	75	123415	$ 80,779	$ 45,225	4418	52
2042	91	0	62	253	0	194	5	0	2	374	0	288	5	0	2	11254	128	205582	52	0	42	6805	76	124255	$ 81,328	$ 44,164	4449	53
2043	91	0	62	255	0	196	5	0	2	377	0	290	5	0	2	11330	129	206980	52	0	42	6851	76	125099	$ 81,881	$ 43,127	4479	53
2044	91	0	62	256	0	197	5	0	2	379	0	292	5	0	2	11407	130	208388	52	0	42	6898	77	125950	$ 82,438	$ 42,115	4509	53
2045	91	0	62	258	0	198	5	0	2	382	0	294	5	0	2	11485	131	209805	52	0	42	6945	77	126807	$ 82,998	$ 41,126	4540	54
2046	91	0	62	260	0	200	5	0	2	385	0	296	5	0	2	11563	132	211232	52	0	42	6992	78	127669	$ 83,563	$ 40,161	4571	54
2047	91	0	62	262	0	201	5	0	2	387	0	298	5	0	2	11641	133	212668	52	0	42	7040	78	128537	$ 84,131	$ 39,218	4602	54
2048	91	0	62	263	0	202	5	0	2	390	0	300	5	0	2	11721	134	214114	52	0	42	7088	79	129411	$ 84,703	$ 38,298	4633	55
2049	91	0	62	265	0	204	5	0	2	393	0	302	5	0	2	11800	134	215570	52	0	42	7136	79	130291	$ 85,279	$ 37,399	4665	55
2050	91	0	62	267	0	205	5	0	2	395	0	304	5	0	2	11881	135	217036	52	0	42	7184	80	131177	$ 85,859	$ 36,521	4696	56
2051	91	0	62	269	0	207	5	0	2	398	0	306	5	0	2	11961	136	218512	52	0	42	7233	80	132069	$ 86,443	$ 35,664	4728	56
2052	91.1	0.0	62.0	270.7	0.0	208.0	5.5	0.0	2.1	400.6	0.0	307.9	5.5	0.0	2.1	12042.7	137.3	219997.7	51.7	0.0	41.9	7282.3	81.0	132967.1	87030.6	34826.7	4760.4	56.3
Total																									**$ 1,756,573.23**	**$ 971,604.42**		

Adams Ridge Blvd EB - SAT

Growth Rate	0.68%
Build % Reduction in Delay	
Left	43%
Through	#DIV/0!
Right	32%

	No- Build																		Build									
Year	Delay			Passenger Vehicle Count (VpH)			Commercial Vehicle Count (VpH)			Total Passenger Vehicle Persons (PpH)			Total Commercial Vehicle Persons (PpH)			Total Passenger Annual Hours Delayed	Total Commercial Annual Hours Delayed	Total Time Value of Delay	Delay			Total Annual Passenger Hours Delayed	Total Commercial Hours Delayed	Total Time Value of Delay	Difference in Cost	Discounted Cost Savings	Passenger Hours Saved	Commercial Hours Saved
	L	T	R	L	T	R	L	T	R	L	T	R	L	T	R				L	T	R							
2022																												
2023																												
2024																												
2025	0	18	12	0	936	282	0	9	3	0	1891	570	0	9	3	3553	43	64974	0	18	12	3553	43	64974	$ -	$ -	0	0
2026	0	18	12	0	942	284	0	9	3	0	1904	574	0	9	3	3577	43	65416	0	18	12	3577	43	65416	$ -	$ -	0	0
2027	0	18	12	0	949	286	0	9	3	0	1917	577	0	9	3	3601	43	65861	0	18	12	3601	43	65861	$ -	$ -	0	0
2028	0	18	12	0	955	288	0	9	3	0	1930	581	0	9	3	3626	44	66308	0	19	13	3807	46	69624	$ (3,315)	$ (2,760)	-181	-2
2029	0	18	12	0	962	290	0	9	3	0	1943	585	0	9	3	3651	44	66759	0	19	13	3833	46	70097	$ (3,338)	$ (2,696)	-183	-2
2030	0	18	12	0	968	292	0	9	3	0	1956	589	0	9	3	3675	44	67213	0	19	13	3859	46	70574	$ (3,361)	$ (2,632)	-184	-2
2031	0	18	12	0	975	294	0	9	3	0	1969	593	0	9	3	3700	44	67670	0	9	5	1822	22	33324	$ 34,347	$ 26,095	1878	23
2032	0	18	12	0	981	296	0	9	3	0	1983	597	0	9	3	3725	45	68131	0	9	5	1835	22	33550	$ 34,580	$ 25,482	1891	23
2033	0	18	12	0	988	298	0	10	3	0	1996	601	0	10	3	3751	45	68594	0	9	5	1847	22	33779	$ 34,815	$ 24,884	1904	23
2034	0	18	12	0	995	300	0	10	3	0	2010	605	0	10	3	3776	45	69060	0	9	5	1860	22	34008	$ 35,052	$ 24,300	1917	23
2035	0	18	12	0	1002	302	0	10	3	0	2023	610	0	10	3	3802	46	69530	0	9	5	1872	22	34240	$ 35,290	$ 23,730	1930	23
2036	0	18	12	0	1008	304	0	10	3	0	2037	614	0	10	3	3828	46	70003	0	9	5	1885	23	34472	$ 35,530	$ 23,173	1943	23
2037	0	18	12	0	1015	306	0	10	3	0	2051	618	0	10	3	3854	46	70479	0	9	5	1898	23	34707	$ 35,772	$ 22,629	1956	24
2038	0	18	12	0	1022	308	0	10	3	0	2065	622	0	10	3	3880	47	70958	0	9	5	1911	23	34943	$ 36,015	$ 22,098	1969	24
2039	0	18	12	0	1029	310	0	10	3	0	2079	626	0	10	3	3906	47	71440	0	9	5	1924	23	35180	$ 36,260	$ 21,579	1983	24
2040	0	18	12	0	1036	312	0	10	3	0	2093	631	0	10	3	3933	47	71926	0	9	5	1937	23	35420	$ 36,507	$ 21,072	1996	24
2041	0	18	12	0	1043	314	0	10	3	0	2107	635	0	10	3	3960	48	72415	0	9	5	1950	23	35660	$ 36,755	$ 20,578	2010	24
2042	0	18	12	0	1050	316	0	10	3	0	2122	639	0	10	3	3987	48	72908	0	9	5	1963	23	35903	$ 37,005	$ 20,095	2023	24
2043	0	18	12	0	1057	319	0	10	3	0	2136	644	0	10	3	4014	48	73404	0	9	5	1977	24	36147	$ 37,256	$ 19,623	2037	25
2044	0	18	12	0	1065	321	0	10	3	0	2151	648	0	10	3	4041	48	73903	0	9	5	1990	24	36393	$ 37,510	$ 19,163	2051	25
2045	0	18	12	0	1072	323	0	10	3	0	2165	652	0	10	3	4069	49	74405	0	9	5	2004	24	36640	$ 37,765	$ 18,713	2065	25
2046	0	18	12	0	1079	325	0	10	3	0	2180	657	0	10	3	4096	49	74911	0	9	5	2017	24	36890	$ 38,022	$ 18,274	2079	25
2047	0	18	12	0	1086	327	0	10	3	0	2195	661	0	10	3	4124	49	75421	0	9	5	2031	24	37140	$ 38,280	$ 17,845	2093	25
2048	0	18	12	0	1094	330	0	11	4	0	2210	666	0	11	4	4152	50	75933	0	9	5	2045	24	37393	$ 38,540	$ 17,426	2107	25
2049	0	18	12	0	1101	332	0	11	4	0	2225	670	0	11	4	4180	50	76450	0	9	5	2059	25	37647	$ 38,803	$ 17,017	2122	26
2050	0	18	12	0	1109	334	0	11	4	0	2240	675	0	11	4	4209	51	76970	0	9	5	2073	25	37903	$ 39,066	$ 16,617	2136	26
2051	0	18	12	0	1116	336	0	11	4	0	2255	679	0	11	4	4237	51	77493	0	9	5	2087	25	38161	$ 39,332	$ 16,227	2151	26
2052	0.0	17.8	12.2	0.0	1123.9	338.6	0.0	10.8	3.6	0.0	2270.4	684.0	0.0	10.8	3.6	4266.3	51.2	78020.0	0.0	9.1	4.9	2101.0	25.1	38420.4	39599.5	15846.4	2165.2	26.1
Total																									**$ 802,087.79**	**$ 444,376.30**		

Adams Ridge Blvd WB - SAT

Growth Rate	0.68%
Build % Reduction in Delay	
Left	82%
Through	79%
Right	52%

	No- Build																		Build									
Year	Delay			Passenger Vehicle Count (VpH)			Commercial Vehicle Count (VpH)			Total Passenger Vehicle Persons (PpH)			Total Commercial Vehicle Persons (PpH)			Total Passenger Annual Hours Delayed	Total Commercial Annual Hours Delayed	Total Time Value of Delay	Delay			Total Annual Passenger Hours Delayed	Total Commercial Hours Delayed	Total Time Value of Delay	Difference in Cost	Discounted Cost Savings	Passenger Hours Saved	Commercial Hours Saved
	L	T	R	L	T	R	L	T	R	L	T	R	L	T	R				L	T	R							
2022																												
2023																												
2024																												
2025	29	44	8	158	953	47	3	72	4	320	1926	94	3	72	4	8202	703	169507	29	44	8	8202	703	169507	$ -	$ -	0	0
2026	29	44	8	159	960	47	3	72	4	322	1939	95	3	72	4	8257	708	170660	29	44	8	8257	708	170660	$ -	$ -	0	0
2027	29	44	8	161	966	47	3	73	4	324	1952	95	3	73	4	8314	712	171820	29	44	8	8314	712	171820	$ -	$ -	0	0
2028	29	44	8	162	973	47	3	73	4	327	1965	96	3	73	4	8370	717	172989	30	46	8	8789	753	181638	$ (8,649)	$ (7,202)	-419	-36
2029	29	44	8	163	979	48	3	74	4	329	1978	97	3	74	4	8427	722	174165	30	46	8	8848	758	182873	$ (8,708)	$ (7,033)	-421	-36
2030	29	44	8	164	986	48	3	74	4	331	1992	97	3	74	4	8484	727	175349	30	46	8	8908	763	184117	$ (8,767)	$ (6,868)	-424	-36
2031	29	44	8	165	993	48	3	75	4	333	2005	98	3	75	4	8542	732	176542	22	12	0	2817	217	57446	$ 119,095	$ 90,483	5725	515
2032	29	44	8	166	1000	49	3	75	4	336	2019	98	3	75	4	8600	737	177742	22	12	0	2837	219	57837	$ 119,905	$ 88,359	5763	518
2033	29	44	8	167	1006	49	3	76	4	338	2033	99	3	76	4	8659	742	178951	22	12	0	2856	220	58230	$ 120,721	$ 86,285	5803	522
2034	29	44	8	168	1013	49	4	76	4	340	2047	100	4	76	4	8717	747	180168	22	12	0	2875	222	58626	$ 121,542	$ 84,260	5842	525
2035	29	44	8	170	1020	50	4	77	4	342	2061	101	4	77	4	8777	752	181393	22	12	0	2895	223	59025	$ 122,368	$ 82,282	5882	529
2036	29	44	8	171	1027	50	4	77	4	345	2075	101	4	77	4	8836	757	182626	22	12	0	2915	225	59426	$ 123,200	$ 80,351	5922	533
2037	29	44	8	172	1034	50	4	78	4	347	2089	102	4	78	4	8896	762	183868	22	12	0	2934	226	59830	$ 124,038	$ 78,465	5962	536
2038	29	44	8	173	1041	51	4	78	4	349	2103	103	4	78	4	8957	767	185118	22	12	0	2954	228	60237	$ 124,881	$ 76,623	6003	540
2039	29	44	8	174	1048	51	4	79	4	352	2117	103	4	79	4	9018	773	186377	22	12	0	2974	229	60647	$ 125,731	$ 74,824	6043	543
2040	29	44	8	175	1055	51	4	79	4	354	2132	104	4	79	4	9079	778	187645	22	12	0	2995	231	61059	$ 126,586	$ 73,068	6085	547
2041	29	44	8	177	1062	52	4	80	4	357	2146	105	4	80	4	9141	783	188921	22	12	0	3015	232	61474	$ 127,446	$ 71,353	6126	551
2042	29	44	8	178	1070	52	4	81	4	359	2161	105	4	81	4	9203	789	190205	22	12	0	3035	234	61892	$ 128,313	$ 69,678	6168	555
2043	29	44	8	179	1077	53	4	81	4	361	2175	106	4	81	4	9266	794	191499	22	12	0	3056	236	62313	$ 129,185	$ 68,043	6210	558
2044	29	44	8	180	1084	53	4	82	4	364	2190	107	4	82	4	9329	799	192801	22	12	0	3077	237	62737	$ 130,064	$ 66,446	6252	562
2045	29	44	8	181	1092	53	4	82	4	366	2205	108	4	82	4	9392	805	194112	22	12	0	3098	239	63163	$ 130,948	$ 64,886	6294	566
2046	29	44	8	183	1099	54	4	83	4	369	2220	108	4	83	4	9456	810	195432	22	12	0	3119	240	63593	$ 131,839	$ 63,363	6337	570
2047	29	44	8	184	1107	54	4	83	4	371	2235	109	4	83	4	9520	816	196761	22	12	0	3140	242	64025	$ 132,735	$ 61,876	6380	574
2048	29	44	8	185	1114	54	4	84	4	374	2250	110	4	84	4	9585	821	198099	22	12	0	3161	244	64461	$ 133,638	$ 60,423	6424	578
2049	29	44	8	186	1122	55	4	84	4	376	2266	111	4	84	4	9650	827	199446	22	12	0	3183	245	64899	$ 134,547	$ 59,005	6467	582
2050	29	44	8	188	1129	55	4	85	4	379	2281	111	4	85	4	9716	832	200802	22	12	0	3205	247	65340	$ 135,462	$ 57,620	6511	585
2051	29	44	8	189	1137	55	4	86	4	382	2297	112	4	86	4	9782	838	202167	22	12	0	3226	249	65785	$ 136,383	$ 56,268	6555	589
2052	28.9	43.5	7.7	190.2	1144.7	55.8	4.0	86.2	4.2	384.2	2312.2	112.8	4.0	86.2	4.2	9848.4	843.8	203542.2	22.0	12.4	0.0	3248.3	250.4	66232.1	137310.1	54946.8	6600.0	593.5
Total																									**$ 2,789,811.68**	**$ 1,547,805.48**		

Adams Ridge Blvd NB - SAT

Growth Rate	0.68%
Build % Reduction in Delay	
Left	82%
Through	79%
Right	52%

	No- Build																		Build									
Year	Delay			Passenger Vehicle Count (VpH)			Commercial Vehicle Count (VpH)			Total Passenger Vehicle Persons (PpH)			Total Commercial Vehicle Persons (PpH)			Total Passenger Annual Hours Delayed	Total Commercial Annual Hours Delayed	Total Time Value of Delay	Delay			Total Annual Passenger Hours Delayed	Total Commercial Hours Delayed	Total Time Value of Delay	Difference in Cost	Discounted Cost Savings	Passenger Hours Saved	Commercial Hours Saved
	L	T	R	L	T	R	L	T	R	L	T	R	L	T	R				L	T	R							
2022																												
2023																												
2024																												
2025	134	0	57	327	0	139	3	0	1	660	0	280	3	0	1	9142	113	167291	134	0	57	9142	113	167291	$ -	$ -	0	0
2026	134	0	57	329	0	140	3	0	1	664	0	282	3	0	1	9204	114	168429	134	0	57	9204	114	168429	$ -	$ -	0	0
2027	134	0	57	331	0	140	3	0	1	669	0	284	3	0	1	9266	115	169574	134	0	57	9266	115	169574	$ -	$ -	0	0
2028	134	0	57	333	0	141	3	0	1	673	0	286	3	0	1	9329	116	170727	141	0	59	9796	121	179263	$ (8,536)	$ (7,108)	-466	-6
2029	134	0	57	336	0	142	3	0	1	678	0	288	3	0	1	9393	116	171888	141	0	59	9862	122	180482	$ (8,594)	$ (6,941)	-470	-6
2030	134	0	57	338	0	143	3	0	1	683	0	290	3	0	1	9457	117	173057	141	0	59	9930	123	181710	$ (8,653)	$ (6,778)	-473	-6
2031	134	0	57	340	0	144	3	0	1	687	0	292	3	0	1	9521	118	174234	40	0	31	3172	39	58043	$ 116,190	$ 88,276	6349	79
2032	134	0	57	343	0	145	3	0	1	692	0	294	3	0	1	9586	119	175418	40	0	31	3193	40	58438	$ 116,980	$ 86,204	6392	79
2033	134	0	57	345	0	146	3	0	1	697	0	296	3	0	1	9651	119	176611	40	0	31	3215	40	58835	$ 117,776	$ 84,180	6436	80
2034	134	0	57	347	0	147	4	0	1	701	0	298	4	0	1	9717	120	177812	40	0	31	3237	40	59236	$ 118,577	$ 82,204	6480	80
2035	134	0	57	350	0	148	4	0	1	706	0	300	4	0	1	9783	121	179021	40	0	31	3259	40	59638	$ 119,383	$ 80,275	6524	81
2036	134	0	57	352	0	149	4	0	2	711	0	302	4	0	2	9849	122	180239	40	0	31	3281	41	60044	$ 120,195	$ 78,391	6568	81
2037	134	0	57	354	0	150	4	0	2	716	0	304	4	0	2	9916	123	181464	40	0	31	3303	41	60452	$ 121,012	$ 76,551	6613	82
2038	134	0	57	357	0	151	4	0	2	721	0	306	4	0	2	9984	124	182698	40	0	31	3326	41	60863	$ 121,835	$ 74,754	6658	82
2039	134	0	57	359	0	152	4	0	2	726	0	308	4	0	2	10051	124	183941	40	0	31	3348	41	61277	$ 122,663	$ 72,999	6703	83
2040	134	0	57	362	0	153	4	0	2	731	0	310	4	0	2	10120	125	185191	40	0	31	3371	42	61694	$ 123,498	$ 71,286	6749	84
2041	134	0	57	364	0	154	4	0	2	736	0	312	4	0	2	10189	126	186451	40	0	31	3394	42	62113	$ 124,337	$ 69,612	6794	84
2042	134	0	57	367	0	156	4	0	2	741	0	314	4	0	2	10258	127	187718	40	0	31	3417	42	62536	$ 125,183	$ 67,978	6841	85
2043	134	0	57	369	0	157	4	0	2	746	0	316	4	0	2	10328	128	188995	40	0	31	3440	43	62961	$ 126,034	$ 66,383	6887	85
2044	134	0	57	372	0	158	4	0	2	751	0	318	4	0	2	10398	129	190280	40	0	31	3464	43	63389	$ 126,891	$ 64,825	6934	86
2045	134	0	57	374	0	159	4	0	2	756	0	321	4	0	2	10469	130	191574	40	0	31	3487	43	63820	$ 127,754	$ 63,303	6981	86
2046	134	0	57	377	0	160	4	0	2	761	0	323	4	0	2	10540	131	192877	40	0	31	3511	43	64254	$ 128,623	$ 61,817	7029	87
2047	134	0	57	379	0	161	4	0	2	766	0	325	4	0	2	10611	131	194188	40	0	31	3535	44	64691	$ 129,497	$ 60,366	7076	88
2048	134	0	57	382	0	162	4	0	2	771	0	327	4	0	2	10684	132	195509	40	0	31	3559	44	65131	$ 130,378	$ 58,949	7124	88
2049	134	0	57	384	0	163	4	0	2	776	0	329	4	0	2	10756	133	196838	40	0	31	3583	44	65574	$ 131,264	$ 57,566	7173	89
2050	134	0	57	387	0	164	4	0	2	782	0	332	4	0	2	10829	134	198177	40	0	31	3608	45	66020	$ 132,157	$ 56,214	7222	89
2051	134	0	57	390	0	165	4	0	2	787	0	334	4	0	2	10903	135	199524	40	0	31	3632	45	66469	$ 133,056	$ 54,895	7271	90
2052	134.3	0.0	56.6	392.3	0.0	166.4	4.0	0.0	1.7	792.4	0.0	336.2	4.0	0.0	1.7	10977.1	135.9	200881.1	134.3	0.0	56.6	10977	135.9	200881.1	0.0	0.0	0.0	0.0
Total																									**$ 2,587,498.54**	**$ 1,456,201.77**		

Myoma Road EB- AM

Growth Rate	0.68%
Build % Reduction in Delay	
Left	82%
Through	79%
Right	52%

	No- Build																		Build									
Year	Delay			Passenger Vehicle Count (VpH)			Commercial Vehicle Count (VpH)			Total Passenger Vehicle Persons (PpH)			Total Commercial Vehicle Persons (PpH)			Total Passenger Annual Hours Delayed	Total Commercial Annual Hours Delayed	Total Time Value of Delay	Delay			Total Annual Passenger Hours Delayed	Total Commercial Hours Delayed	Total Time Value of Delay	Difference in Cost	Discounted Cost Savings	Passenger Hours Saved	Commercial Hours Saved
	L	T	R	L	T	R	L	T	R	L	T	R	L	T	R				L	T	R							
2022																												
2023																												
2024																												
2025	1	1	1	99	837	59	1	83	1	147	1239	87	1	83	1	383	22	7567	1	1	1	383	22	7567	$ -	$ -	0	0
2026	1	1	1	100	843	59	1	83	1	148	1247	88	1	83	1	385	22	7619	1	1	1	385	22	7619	$ -	$ -	0	0
2027	1	1	1	100	849	60	1	84	1	149	1256	88	1	84	1	388	22	7671	1	1	1	388	22	7671	$ -	$ -	0	0
2028	1	1	1	101	854	60	1	85	1	150	1265	89	1	85	1	391	23	7723	1	1	1	410	24	8109	$ (386)	$ (322)	-20	-1
2029	1	1	1	102	860	60	1	85	1	151	1273	89	1	85	1	393	23	7775	1	1	1	413	24	8164	$ (389)	$ (314)	-20	-1
2030	1	1	1	102	866	61	1	86	1	152	1282	90	1	86	1	396	23	7828	1	1	1	416	24	8220	$ (391)	$ (307)	-20	-1
2031	1	1	1	103	872	61	1	86	1	153	1290	91	1	86	1	399	23	7881	1	1	1	399	23	7881	$ -	$ -	0	0
2032	1	1	1	104	878	62	1	87	1	154	1299	91	1	87	1	401	23	7935	1	1	1	401	23	7935	$ -	$ -	0	0
2033	1	1	1	105	884	62	1	87	1	155	1308	92	1	87	1	404	23	7989	1	1	1	404	23	7989	$ -	$ -	0	0
2034	1	1	1	105	890	62	1	88	1	156	1317	92	1	88	1	407	23	8043	1	1	1	407	23	8043	$ -	$ -	0	0
2035	1	1	1	106	896	63	1	89	1	157	1326	93	1	89	1	410	24	8098	1	1	1	410	24	8098	$ -	$ -	0	0
2036	1	1	1	107	902	63	1	89	1	158	1335	94	1	89	1	413	24	8153	1	1	1	413	24	8153	$ -	$ -	0	0
2037	1	1	1	107	908	64	1	90	1	159	1344	94	1	90	1	415	24	8208	1	1	1	415	24	8208	$ -	$ -	0	0
2038	1	1	1	108	914	64	1	90	1	160	1353	95	1	90	1	418	24	8264	1	1	1	418	24	8264	$ -	$ -	0	0
2039	1	1	1	109	921	65	1	91	1	161	1362	96	1	91	1	421	24	8320	1	1	1	421	24	8320	$ -	$ -	0	0
2040	1	1	1	110	927	65	1	92	1	162	1372	96	1	92	1	424	24	8377	1	1	1	424	24	8377	$ -	$ -	0	0
2041	1	1	1	110	933	66	1	92	1	163	1381	97	1	92	1	427	25	8434	1	1	1	427	25	8434	$ -	$ -	0	0
2042	1	1	1	111	939	66	1	93	1	164	1390	98	1	93	1	430	25	8491	1	1	1	430	25	8491	$ -	$ -	0	0
2043	1	1	1	112	946	66	1	94	1	166	1400	98	1	94	1	433	25	8549	1	1	1	433	25	8549	$ -	$ -	0	0
2044	1	1	1	113	952	67	1	94	1	167	1409	99	1	94	1	435	25	8607	1	1	1	435	25	8607	$ -	$ -	0	0
2045	1	1	1	113	959	67	1	95	1	168	1419	100	1	95	1	438	25	8666	1	1	1	438	25	8666	$ -	$ -	0	0
2046	1	1	1	114	965	68	1	95	1	169	1429	100	1	95	1	441	25	8725	1	1	1	441	25	8725	$ -	$ -	0	0
2047	1	1	1	115	972	68	1	96	1	170	1438	101	1	96	1	444	26	8784	1	1	1	444	26	8784	$ -	$ -	0	0
2048	1	1	1	116	978	69	1	97	1	171	1448	102	1	97	1	447	26	8844	1	1	1	447	26	8844	$ -	$ -	0	0
2049	1	1	1	116	985	69	1	97	1	172	1458	102	1	97	1	451	26	8904	1	1	1	451	26	8904	$ -	$ -	0	0
2050	1	1	1	117	992	70	1	98	1	174	1468	103	1	98	1	454	26	8964	1	1	1	454	26	8964	$ -	$ -	0	0
2051	1	1	1	118	999	70	1	99	1	175	1478	104	1	99	1	457	26	9025	1	1	1	457	26	9025	$ -	$ -	0	0
2052	1.2	1.2	1.2	118.9	1005.3	70.6	1.2	99.4	1.4	175.9	1487.8	104.5	1.2	99.4	1.4	459.8	26.5	9086.7	1.2	1.2	1.2	459.8	26.5	9086.7	0.0	0.0	0.0	0.0
Total																									**$ (1,166.31)**	**$ (942.06)**		

Myoma Road WB- AM

Growth Rate	0.68%
Build % Reduction in Delay	

	No- Build																		Build									
Year	Delay			Passenger Vehicle Count (VpH)			Commercial Vehicle Count (VpH)			Total Passenger Vehicle Persons (PpH)			Total Commercial Vehicle Persons (PpH)			Total Passenger Annual Hours Delayed	Total Commercial Annual Hours Delayed	Total Time Value of Delay	Delay			Total Annual Passenger Hours Delayed	Total Commercial Hours Delayed	Total Time Value of Delay	Difference in Cost	Discounted Cost Savings	Passenger Hours Saved	Commercial Hours Saved
	L	T	R	L	T	R	L	T	R	L	T	R	L	T	R				L	T	R							
2022																												
2023																												
2024																												
2025	0	0	0	69	953	47	3	72	4	102	1411	69	3	72	4	0	0		0	0	0	0	0	0		$ -	0	0
2026	0	0	0	69	960	47	3	72	4	102	1420	69	3	72	4	0	0		0	0	0	0	0	0		$ -	0	0
2027	0	0	0	70	966	47	3	73	4	103	1430	70	3	73	4	0	0		0	0	0	0	0	0		$ -	0	0
2028	0	0	0	70	973	47	3	73	4	104	1440	70	3	73	4	0	0		0	0	0	0	0	0		$ -	0	0
2029	0	0	0	70	979	48	3	74	4	104	1450	71	3	74	4	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2030	0	0	0	71	986	48	3	74	4	105	1459	71	3	74	4	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2031	0	0	0	71	993	48	3	75	4	106	1469	72	3	75	4	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2032	0	0	0	72	1000	49	3	75	4	106	1479	72	3	75	4	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2033	0	0	0	72	1006	49	3	76	4	107	1489	73	3	76	4	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2034	0	0	0	73	1013	49	4	76	4	108	1500	73	4	76	4	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2035	0	0	0	73	1020	50	4	77	4	109	1510	74	4	77	4	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2036	0	0	0	74	1027	50	4	77	4	109	1520	74	4	77	4	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2037	0	0	0	74	1034	50	4	78	4	110	1530	75	4	78	4	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2038	0	0	0	75	1041	51	4	78	4	111	1541	75	4	78	4	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2039	0	0	0	75	1048	51	4	79	4	112	1551	76	4	79	4	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2040	0	0	0	76	1055	51	4	79	4	112	1562	76	4	79	4	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2041	0	0	0	76	1062	52	4	80	4	113	1572	77	4	80	4	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2042	0	0	0	77	1070	52	4	81	4	114	1583	77	4	81	4	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2043	0	0	0	78	1077	53	4	81	4	115	1594	78	4	81	4	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2044	0	0	0	78	1084	53	4	82	4	115	1605	78	4	82	4	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2045	0	0	0	79	1092	53	4	82	4	116	1616	79	4	82	4	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2046	0	0	0	79	1099	54	4	83	4	117	1627	79	4	83	4	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2047	0	0	0	80	1107	54	4	83	4	118	1638	80	4	83	4	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2048	0	0	0	80	1114	54	4	84	4	119	1649	80	4	84	4	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2049	0	0	0	81	1122	55	4	84	4	119	1660	81	4	84	4	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2050	0	0	0	81	1129	55	4	85	4	120	1671	82	4	85	4	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2051	0	0	0	82	1137	55	4	86	4	121	1683	82	4	86	4	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2052	0.0	0.0	0.0	82.4	1144.7	55.8	4.0	86.2	4.2	121.9	1694.1	82.6	4.0	86.2	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total																									$ -	$ -		

Myoma Road NB- AM

Growth Rate	0.68%
Build % Reduction in Delay	

	No- Build																		Build									
Year	Delay			Passenger Vehicle Count (VpH)			Commercial Vehicle Count (VpH)			Total Passenger Vehicle Persons (PpH)			Total Commercial Vehicle Persons (PpH)			Total Passenger Annual Hours Delayed	Total Commercial Annual Hours Delayed	Total Time Value of Delay	Delay			Total Annual Passenger Hours Delayed	Total Commercial Hours Delayed	Total Time Value of Delay	Difference in Cost	Discounted Cost Savings	Passenger Hours Saved	Commercial Hours Saved
	L	T	R	L	T	R	L	T	R	L	T	R	L	T	R				L	T	R							
2022																												
2023																												
2024																												
2025	0	0	0	147	39	98	3	1	2	218	58	145	3	1	2	0	0		0	0	0	0	0	0		$ -	0	0
2026	0	0	0	148	39	99	3	1	2	219	58	146	3	1	2	0	0		0	0	0	0	0	0		$ -	0	0
2027	0	0	0	149	40	99	3	1	2	221	59	147	3	1	2	0	0		0	0	0	0	0	0		$ -	0	0
2028	0	0	0	150	40	100	3	1	2	222	59	148	3	1	2	0	0		0	0	0	0	0	0		$ -	0	0
2029	0	0	0	151	40	101	3	1	2	224	60	149	3	1	2	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2030	0	0	0	152	41	101	3	1	2	225	60	150	3	1	2	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2031	0	0	0	153	41	102	3	1	2	227	60	151	3	1	2	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2032	0	0	0	154	41	103	3	1	2	228	61	152	3	1	2	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2033	0	0	0	155	41	103	3	1	2	230	61	153	3	1	2	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2034	0	0	0	156	42	104	3	1	2	231	62	154	3	1	2	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2035	0	0	0	157	42	105	3	1	2	233	62	155	3	1	2	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2036	0	0	0	158	42	106	3	1	2	234	63	156	3	1	2	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2037	0	0	0	159	43	106	3	1	2	236	63	157	3	1	2	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2038	0	0	0	161	43	107	3	1	2	238	63	158	3	1	2	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2039	0	0	0	162	43	108	3	1	2	239	64	159	3	1	2	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2040	0	0	0	163	43	108	3	1	2	241	64	161	3	1	2	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2041	0	0	0	164	44	109	3	1	2	242	65	162	3	1	2	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2042	0	0	0	165	44	110	3	1	2	244	65	163	3	1	2	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2043	0	0	0	166	44	111	3	1	2	246	66	164	3	1	2	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2044	0	0	0	167	45	111	3	1	2	247	66	165	3	1	2	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2045	0	0	0	168	45	112	3	1	2	249	66	166	3	1	2	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2046	0	0	0	169	45	113	3	1	2	251	67	167	3	1	2	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2047	0	0	0	171	46	114	3	1	2	253	67	168	3	1	2	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2048	0	0	0	172	46	115	4	1	2	254	68	170	4	1	2	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2049	0	0	0	173	46	115	4	1	2	256	68	171	4	1	2	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2050	0	0	0	174	46	116	4	1	2	258	69	172	4	1	2	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2051	0	0	0	175	47	117	4	1	2	259	69	173	4	1	2	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2052	0.0	0.0	0.0	176.5	47.1	117.7	3.6	1.0	2.4	261.2	69.7	174.2	3.6	1.0	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total																									$ -	$ -		

Myoma Road SB- AM

Growth Rate	0.68%
Build % Reduction in Delay	

	No- Build																		Build										
Year	Delay			Passenger Vehicle Count (VpH)			Commercial Vehicle Count (VpH)			Total Passenger Vehicle Persons (PpH)			Total Commercial Vehicle Persons (PpH)			Total Passenger Annual Hours Delayed	Total Commercial Annual Hours Delayed	Total Time Value of Delay	Delay			Total Annual Passenger Hours Delayed	Total Commercial Hours Delayed	Total Time Value of Delay	Difference in Cost	Discounted Cost Savings	Passenger Hours Saved	Commercial Hours Saved
	L	T	R	L	T	R	L	T	R	L	T	R	L	T	R				L	T	R							
2022																													
2023																													
2024																													
2025	73	73	73	10	39	60	0	1	5	15	58	89	0	1	5	2549	87	48446	73	73	73	2549	87	48446	$ -	$ -	0	0
2026	73	73	73	10	39	61	0	1	5	15	58	90	0	1	5	2567	88	48776	73	73	73	2567	88	48776	$ -	$ -	0	0
2027	73	73	73	10	40	61	0	1	5	15	59	91	0	1	5	2584	88	49107	73	73	73	2584	88	49107	$ -	$ -	0	0
2028	73	73	73	10	40	62	0	1	5	15	59	91	0	1	5	2602	89	49441	76	76	76	2732	93	51913	$ (2,472)	$ (2,058)	-130	-4
2029	73	73	73	10	40	62	0	1	5	15	60	92	0	1	5	2619	90	49778	76	76	76	2750	94	52266	$ (2,489)	$ (2,010)	-131	-4
2030	73	73	73	10	41	63	0	1	5	15	60	93	0	1	5	2637	90	50116	76	76	76	2769	95	52622	$ (2,506)	$ (1,963)	-132	-5
2031	73	73	73	10	41	63	0	1	5	15	60	93	0	1	5	2655	91	50457	24	24	24	861	29	16355	$ 34,102	$ 25,909	1794	61
2032	73	73	73	10	41	63	0	1	5	16	61	94	0	1	5	2673	91	50800	24	24	24	866	30	16466	$ 34,334	$ 25,301	1807	62
2033	73	73	73	11	41	64	0	1	5	16	61	94	0	1	5	2691	92	51145	24	24	24	872	30	16578	$ 34,567	$ 24,707	1819	62
2034	73	73	73	11	42	64	0	1	5	16	62	95	0	1	5	2710	93	51493	24	24	24	878	30	16691	$ 34,802	$ 24,127	1831	63
2035	73	73	73	11	42	65	0	1	5	16	62	96	0	1	5	2728	93	51843	24	24	24	884	30	16804	$ 35,039	$ 23,561	1844	63
2036	73	73	73	11	42	65	0	1	5	16	63	96	0	1	5	2746	94	52196	24	24	24	890	30	16919	$ 35,277	$ 23,008	1856	63
2037	73	73	73	11	43	66	0	1	5	16	63	97	0	1	5	2765	95	52551	24	24	24	896	31	17034	$ 35,517	$ 22,468	1869	64
2038	73	73	73	11	43	66	0	1	5	16	63	98	0	1	5	2784	95	52908	24	24	24	902	31	17150	$ 35,759	$ 21,940	1882	64
2039	73	73	73	11	43	66	0	1	5	16	64	98	0	1	5	2803	96	53268	24	24	24	909	31	17266	$ 36,002	$ 21,425	1894	65
2040	73	73	73	11	43	67	0	1	5	16	64	99	0	1	5	2822	97	53630	24	24	24	915	31	17384	$ 36,247	$ 20,922	1907	65
2041	73	73	73	11	44	67	0	1	5	16	65	100	0	1	5	2841	97	53995	24	24	24	921	31	17502	$ 36,493	$ 20,431	1920	66
2042	73	73	73	11	44	68	0	1	5	17	65	100	0	1	5	2860	98	54362	24	24	24	927	32	17621	$ 36,741	$ 19,952	1933	66
2043	73	73	73	11	44	68	0	1	5	17	66	101	0	1	5	2880	98	54732	24	24	24	933	32	17741	$ 36,991	$ 19,483	1946	67
2044	73	73	73	11	45	69	0	1	5	17	66	102	0	1	5	2899	99	55104	24	24	24	940	32	17861	$ 37,243	$ 19,026	1960	67
2045	73	73	73	11	45	69	0	1	5	17	66	102	0	1	5	2919	100	55478	24	24	24	946	32	17983	$ 37,496	$ 18,579	1973	67
2046	73	73	73	12	45	70	0	1	5	17	67	103	0	1	5	2939	101	55856	24	24	24	953	33	18105	$ 37,751	$ 18,143	1986	68
2047	73	73	73	12	46	70	0	1	5	17	67	104	0	1	5	2959	101	56236	24	24	24	959	33	18228	$ 38,007	$ 17,717	2000	68
2048	73	73	73	12	46	71	0	1	5	17	68	105	0	1	5	2979	102	56618	24	24	24	966	33	18352	$ 38,266	$ 17,302	2014	69
2049	73	73	73	12	46	71	0	1	5	17	68	105	0	1	5	2999	103	57003	24	24	24	972	33	18477	$ 38,526	$ 16,896	2027	69
2050	73	73	73	12	46	72	0	1	5	18	69	106	0	1	5	3020	103	57391	24	24	24	979	33	18602	$ 38,788	$ 16,499	2041	70
2051	73	73	73	12	47	72	0	1	5	18	69	107	0	1	5	3040	104	57781	24	24	24	985	34	18729	$ 39,052	$ 16,112	2055	70
2052	72.5	72.5	72.5	12.0	47.1	72.6	0.0	1.2	5.5	17.8	69.7	107.4	0.0	1.2	5.5	3061.0	104.7	58173.7	72.5	72.5	72.5	3061.0	104.7	58173.7	0.0	0.0	0.0	0.0
Total																									**$ 759,532.01**	**$ 427,476.84**		

Myoma Road EB - PM

Growth Rate	0.68%
Build % Reduction in Delay	

	No- Build																		Build									
Year	Delay			Passenger Vehicle Count (VpH)			Commercial Vehicle Count (VpH)			Total Passenger Vehicle Persons (PpH)			Total Commercial Vehicle Persons (PpH)			Total Passenger Annual Hours Delayed	Total Commercial Annual Hours Delayed	Total Time Value of Delay	Delay			Total Annual Passenger Hours Delayed	Total Commercial Hours Delayed	Total Time Value of Delay	Difference in Cost	Discounted Cost Savings	Passenger Hours Saved	Commercial Hours Saved
	L	T	R	L	T	R	L	T	R	L	T	R	L	T	R				L	T	R							
2022																												
2023																												
2024																												
2025	1	1	1	115	1210	69	0	25	1	170	1791	102	0	25	1	581	7	10639	1	1	1	581	7	10639	$ -	$ -	0	0
2026	1	1	1	116	1219	69	0	25	1	171	1803	102	0	25	1	585	7	10711	1	1	1	585	7	10711	$ -	$ -	0	0
2027	1	1	1	117	1227	70	0	25	1	173	1816	103	0	25	1	589	7	10784	1	1	1	589	7	10784	$ -	$ -	0	0
2028	1	1	1	117	1235	70	0	25	1	174	1828	104	0	25	1	593	8	10857	1	1	1	623	8	11400	$ (543)	$ (452)	-30	0
2029	1	1	1	118	1244	70	0	25	1	175	1840	104	0	25	1	597	8	10931	1	1	1	627	8	11477	$ (547)	$ (441)	-30	0
2030	1	1	1	119	1252	71	0	26	1	176	1853	105	0	26	1	601	8	11005	1	1	1	631	8	11556	$ (550)	$ (431)	-30	0
2031	1	1	1	120	1261	71	0	26	1	177	1866	106	0	26	1	605	8	11080	1	1	1	605	8	11080	$ -	$ -	0	0
2032	1	1	1	121	1269	72	0	26	1	178	1878	106	0	26	1	609	8	11155	1	1	1	609	8	11155	$ -	$ -	0	0
2033	1	1	1	121	1278	72	0	26	1	180	1891	107	0	26	1	613	8	11231	1	1	1	613	8	11231	$ -	$ -	0	0
2034	1	1	1	122	1286	73	0	26	1	181	1904	108	0	26	1	618	8	11308	1	1	1	618	8	11308	$ -	$ -	0	0
2035	1	1	1	123	1295	73	0	26	1	182	1917	109	0	26	1	622	8	11385	1	1	1	622	8	11385	$ -	$ -	0	0
2036	1	1	1	124	1304	74	0	27	2	183	1930	109	0	27	2	626	8	11462	1	1	1	626	8	11462	$ -	$ -	0	0
2037	1	1	1	125	1313	74	0	27	2	185	1943	110	0	27	2	630	8	11540	1	1	1	630	8	11540	$ -	$ -	0	0
2038	1	1	1	126	1322	75	0	27	2	186	1956	111	0	27	2	635	8	11618	1	1	1	635	8	11618	$ -	$ -	0	0
2039	1	1	1	126	1331	75	0	27	2	187	1970	112	0	27	2	639	8	11697	1	1	1	639	8	11697	$ -	$ -	0	0
2040	1	1	1	127	1340	76	0	27	2	188	1983	112	0	27	2	643	8	11777	1	1	1	643	8	11777	$ -	$ -	0	0
2041	1	1	1	128	1349	76	0	28	2	190	1996	113	0	28	2	648	8	11857	1	1	1	648	8	11857	$ -	$ -	0	0
2042	1	1	1	129	1358	77	0	28	2	191	2010	114	0	28	2	652	8	11938	1	1	1	652	8	11938	$ -	$ -	0	0
2043	1	1	1	130	1367	78	0	28	2	192	2024	115	0	28	2	656	8	12019	1	1	1	656	8	12019	$ -	$ -	0	0
2044	1	1	1	131	1377	78	0	28	2	194	2037	115	0	28	2	661	8	12101	1	1	1	661	8	12101	$ -	$ -	0	0
2045	1	1	1	132	1386	79	0	28	2	195	2051	116	0	28	2	665	8	12183	1	1	1	665	8	12183	$ -	$ -	0	0
2046	1	1	1	133	1395	79	0	28	2	196	2065	117	0	28	2	670	8	12266	1	1	1	670	8	12266	$ -	$ -	0	0
2047	1	1	1	133	1405	80	0	29	2	198	2079	118	0	29	2	674	9	12349	1	1	1	674	9	12349	$ -	$ -	0	0
2048	1	1	1	134	1414	80	0	29	2	199	2093	119	0	29	2	679	9	12433	1	1	1	679	9	12433	$ -	$ -	0	0
2049	1	1	1	135	1424	81	0	29	2	200	2108	119	0	29	2	684	9	12518	1	1	1	684	9	12518	$ -	$ -	0	0
2050	1	1	1	136	1434	81	0	29	2	202	2122	120	0	29	2	688	9	12603	1	1	1	688	9	12603	$ -	$ -	0	0
2051	1	1	1	137	1443	82	0	29	2	203	2136	121	0	29	2	693	9	12688	1	1	1	693	9	12688	$ -	$ -	0	0
2052	1.3	1.3	1.3	138.1	1453.3	82.4	0.0	29.7	1.7	204.4	2150.9	121.9	0.0	29.7	1.7	697.7	8.8	12774.7	1.3	1.3	1.3	697.7	8.8	12774.7	0.0	0.0	0.0	0.0
Total																									**$ (1,639.67)**	**$ (1,324.40)**		

Myoma Road WB - PM

Growth Rate	0.68%
Build % Reduction in Delay	

	No- Build																		Build									
Year	Delay			Passenger Vehicle Count (VpH)			Commercial Vehicle Count (VpH)			Total Passenger Vehicle Persons (PpH)			Total Commercial Vehicle Persons (PpH)			Total Passenger Annual Hours Delayed	Total Commercial Annual Hours Delayed	Total Time Value of Delay	Delay			Total Annual Passenger Hours Delayed	Total Commercial Hours Delayed	Total Time Value of Delay	Difference in Cost	Discounted Cost Savings	Passenger Hours Saved	Commercial Hours Saved
	L	T	R	L	T	R	L	T	R	L	T	R	L	T	R				L	T	R							
2022																												
2023																												
2024																												
2025	0	0	0	167	1235	35	3	25	0	247	1828	52	3	25	0	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2026	0	0	0	168	1243	35	3	25	0	248	1840	52	3	25	0	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2027	0	0	0	169	1252	35	3	26	0	250	1852	53	3	26	0	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2028	0	0	0	170	1260	36	3	26	0	252	1865	53	3	26	0	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2029	0	0	0	171	1269	36	3	26	0	253	1878	53	3	26	0	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2030	0	0	0	172	1277	36	4	26	0	255	1890	54	4	26	0	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2031	0	0	0	174	1286	36	4	26	0	257	1903	54	4	26	0	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2032	0	0	0	175	1295	37	4	26	0	259	1916	54	4	26	0	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2033	0	0	0	176	1304	37	4	27	0	260	1929	55	4	27	0	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2034	0	0	0	177	1312	37	4	27	0	262	1942	55	4	27	0	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2035	0	0	0	178	1321	37	4	27	0	264	1956	55	4	27	0	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2036	0	0	0	179	1330	38	4	27	0	266	1969	56	4	27	0	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2037	0	0	0	181	1339	38	4	27	0	267	1982	56	4	27	0	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2038	0	0	0	182	1349	38	4	28	0	269	1996	57	4	28	0	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2039	0	0	0	183	1358	38	4	28	0	271	2009	57	4	28	0	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2040	0	0	0	184	1367	39	4	28	0	273	2023	57	4	28	0	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2041	0	0	0	186	1376	39	4	28	0	275	2037	58	4	28	0	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2042	0	0	0	187	1386	39	4	28	0	277	2051	58	4	28	0	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2043	0	0	0	188	1395	40	4	28	0	279	2065	59	4	28	0	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2044	0	0	0	189	1404	40	4	29	0	280	2079	59	4	29	0	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2045	0	0	0	191	1414	40	4	29	0	282	2093	59	4	29	0	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2046	0	0	0	192	1424	40	4	29	0	284	2107	60	4	29	0	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2047	0	0	0	193	1433	41	4	29	0	286	2121	60	4	29	0	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2048	0	0	0	195	1443	41	4	29	0	288	2136	61	4	29	0	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2049	0	0	0	196	1453	41	4	30	0	290	2150	61	4	30	0	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2050	0	0	0	197	1463	41	4	30	0	292	2165	61	4	30	0	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2051	0	0	0	199	1473	42	4	30	0	294	2180	62	4	30	0	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2052	0.0	0.0	0.0	200.1	1482.7	42.0	4.1	30.3	0.0	296.1	2194.4	62.2	4.1	30.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total																									$ -	$ -		

Myoma Road NB - PM

Growth Rate	0.68%
Build % Reduction in Delay	

	No- Build																		Build										
Year	Delay			Passenger Vehicle Count (VpH)			Commercial Vehicle Count (VpH)			Total Passenger Vehicle Persons (PpH)			Total Commercial Vehicle Persons (PpH)			Total Passenger Annual Hours Delayed	Total Commercial Annual Hours Delayed	Total Time Value of Delay	Delay			Total Annual Passenger Hours Delayed	Total Commercial Hours Delayed	Total Time Value of Delay	Difference in Cost	Discounted Cost Savings	Passenger Hours Saved	Commercial Hours Saved
	L	T	R	L	T	R	L	T	R	L	T	R	L	T	R				L	T	R							
2022																													
2023																													
2024																													
2025	0	0	0	147	39	98	3	25	0	218	58	145	3	25	0	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2026	0	0	0	148	39	99	3	25	0	219	58	146	3	25	0	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2027	0	0	0	149	40	99	3	26	0	221	59	147	3	26	0	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2028	0	0	0	150	40	100	3	26	0	222	59	148	3	26	0	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2029	0	0	0	151	40	101	3	26	0	224	60	149	3	26	0	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2030	0	0	0	152	41	101	4	26	0	225	60	150	4	26	0	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2031	0	0	0	153	41	102	4	26	0	227	60	151	4	26	0	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2032	0	0	0	154	41	103	4	26	0	228	61	152	4	26	0	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2033	0	0	0	155	41	103	4	27	0	230	61	153	4	27	0	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2034	0	0	0	156	42	104	4	27	0	231	62	154	4	27	0	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2035	0	0	0	157	42	105	4	27	0	233	62	155	4	27	0	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2036	0	0	0	158	42	106	4	27	0	234	63	156	4	27	0	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2037	0	0	0	159	43	106	4	27	0	236	63	157	4	27	0	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2038	0	0	0	161	43	107	4	28	0	238	63	158	4	28	0	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2039	0	0	0	162	43	108	4	28	0	239	64	159	4	28	0	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2040	0	0	0	163	43	108	4	28	0	241	64	161	4	28	0	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2041	0	0	0	164	44	109	4	28	0	242	65	162	4	28	0	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2042	0	0	0	165	44	110	4	28	0	244	65	163	4	28	0	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2043	0	0	0	166	44	111	4	28	0	246	66	164	4	28	0	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2044	0	0	0	167	45	111	4	29	0	247	66	165	4	29	0	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2045	0	0	0	168	45	112	4	29	0	249	66	166	4	29	0	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2046	0	0	0	169	45	113	4	29	0	251	67	167	4	29	0	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2047	0	0	0	171	46	114	4	29	0	253	67	168	4	29	0	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2048	0	0	0	172	46	115	4	29	0	254	68	170	4	29	0	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2049	0	0	0	173	46	115	4	30	0	256	68	171	4	30	0	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2050	0	0	0	174	46	116	4	30	0	258	69	172	4	30	0	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2051	0	0	0	175	47	117	4	30	0	259	69	173	4	30	0	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2052	0.0	0.0	0.0	176.5	47.1	117.7	4.1	30.3	0.0	261.2	69.7	174.2	4.1	30.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total																									$ -	$ -		

Myoma Road SB - PM

Growth Rate	0.68%
Build % Reduction in Delay	

	No- Build																		Build										
Year	Delay			Passenger Vehicle Count (VpH)			Commercial Vehicle Count (VpH)			Total Passenger Vehicle Persons (PpH)			Total Commercial Vehicle Persons (PpH)			Total Passenger Annual Hours Delayed	Total Commercial Annual Hours Delayed	Total Time Value of Delay	Delay			Total Annual Passenger Hours Delayed	Total Commercial Hours Delayed	Total Time Value of Delay	Difference in Cost	Discounted Cost Savings	Passenger Hours Saved	Commercial Hours Saved
	L	T	R	L	T	R	L	T	R	L	T	R	L	T	R				L	T	R							
2022																													
2023																													
2024																													
2025	913	913	913	18	49	77	2	1	3	26	73	114	2	1	3	42032	1266	793263	913	913	913	42032	1266	793263	$ -	$ -	0	0
2026	913	913	913	18	49	77	2	1	3	27	73	114	2	1	3	42318	1274	798657	913	913	913	42318	1274	798657	$ -	$ -	0	0
2027	913	913	913	18	50	78	2	1	3	27	74	115	2	1	3	42606	1283	804088	913	913	913	42606	1283	804088	$ -	$ -	0	0
2028	913	913	913	18	50	78	2	1	3	27	74	116	2	1	3	42896	1292	809556	958	958	958	45040	1356	850034	$ (40,478)	$ (33,703)	-2145	-65
2029	913	913	913	18	50	79	2	1	3	27	75	117	2	1	3	43187	1301	815061	958	958	958	45347	1366	855814	$ (40,753)	$ (32,912)	-2159	-65
2030	913	913	913	18	51	79	2	1	3	27	75	118	2	1	3	43481	1309	820603	958	958	958	45655	1375	861634	$ (41,030)	$ (32,139)	-2174	-65
2031	913	913	913	19	51	80	2	1	3	27	76	118	2	1	3	43777	1318	826184	104	104	104	4973	150	93860	$ 732,324	$ 556,385	38803	1169
2032	913	913	913	19	51	81	2	1	3	28	76	119	2	1	3	44074	1327	831802	104	104	104	5007	151	94498	$ 737,303	$ 543,325	39067	1176
2033	913	913	913	19	52	81	2	1	3	28	77	120	2	1	3	44374	1336	837458	104	104	104	5041	152	95141	$ 742,317	$ 530,572	39333	1184
2034	913	913	913	19	52	82	2	1	3	28	77	121	2	1	3	44676	1345	843153	104	104	104	5075	153	95788	$ 747,365	$ 518,118	39600	1193
2035	913	913	913	19	52	82	2	1	3	28	78	122	2	1	3	44980	1355	848886	104	104	104	5110	154	96439	$ 752,447	$ 505,957	39870	1201
2036	913	913	913	19	53	83	2	1	3	28	78	122	2	1	3	45285	1364	854658	104	104	104	5145	155	97095	$ 757,564	$ 494,081	40141	1209
2037	913	913	913	19	53	83	2	1	3	29	79	123	2	1	3	45593	1373	860470	104	104	104	5180	156	97755	$ 762,715	$ 482,483	40414	1217
2038	913	913	913	19	54	84	2	1	3	29	79	124	2	1	3	45903	1382	866321	104	104	104	5215	157	98420	$ 767,902	$ 471,158	40689	1225
2039	913	913	913	20	54	84	2	1	4	29	80	125	2	1	4	46216	1392	872212	104	104	104	5250	158	99089	$ 773,123	$ 460,099	40965	1234
2040	913	913	913	20	54	85	2	1	4	29	80	126	2	1	4	46530	1401	878143	104	104	104	5286	159	99763	$ 778,381	$ 449,300	41244	1242
2041	913	913	913	20	55	86	2	1	4	29	81	127	2	1	4	46846	1411	884115	104	104	104	5322	160	100441	$ 783,673	$ 438,753	41524	1250
2042	913	913	913	20	55	86	2	1	4	30	81	128	2	1	4	47165	1420	890127	104	104	104	5358	161	101124	$ 789,002	$ 428,455	41807	1259
2043	913	913	913	20	55	87	2	1	4	30	82	128	2	1	4	47486	1430	896179	104	104	104	5395	162	101812	$ 794,368	$ 418,398	42091	1268
2044	913	913	913	20	56	87	3	1	4	30	82	129	3	1	4	47808	1440	902274	104	104	104	5431	164	102504	$ 799,769	$ 408,577	42377	1276
2045	913	913	913	20	56	88	3	1	4	30	83	130	3	1	4	48134	1449	908409	104	104	104	5468	165	103201	$ 805,208	$ 398,987	42665	1285
2046	913	913	913	21	56	89	3	1	4	30	84	131	3	1	4	48461	1459	914586	104	104	104	5505	166	103903	$ 810,683	$ 389,622	42955	1294
2047	913	913	913	21	57	89	3	1	4	31	84	132	3	1	4	48790	1469	920805	104	104	104	5543	167	104609	$ 816,196	$ 380,476	43248	1302
2048	913	913	913	21	57	90	3	1	4	31	85	133	3	1	4	49122	1479	927067	104	104	104	5581	168	105321	$ 821,746	$ 371,546	43542	1311
2049	913	913	913	21	58	90	3	1	4	31	85	134	3	1	4	49456	1489	933371	104	104	104	5619	169	106037	$ 827,334	$ 362,825	43838	1320
2050	913	913	913	21	58	91	3	1	4	31	86	135	3	1	4	49793	1499	939718	104	104	104	5657	170	106758	$ 832,960	$ 354,308	44136	1329
2051	913	913	913	21	58	92	3	1	4	31	86	136	3	1	4	50131	1510	946108	104	104	104	5695	172	107484	$ 838,624	$ 345,992	44436	1338
2052	912.8	912.8	912.8	21.4	58.8	92.2	2.6	1.2	3.8	31.6	87.1	136.5	2.6	1.2	3.8	50472.0	1519.9	952541.4	103.7	103.7	103.7	5733.9	172.7	108214.9	844326.5	337870.7	44738.0	1347.2
Total																									**$ 17,193,069.31**	**$ 9,548,533.58**		

Hertitage Creek Drive EB - AM

Growth Rate	0.68%
Build % Reduction in Delay	

	No- Build																		Build										
Year	Delay			Passenger Vehicle Count (VpH)			Commercial Vehicle Count (VpH)			Total Passenger Vehicle Persons (PpH)			Total Commercial Vehicle Persons (PpH)			Total Passenger Annual Hours Delayed	Total Commercial Annual Hours Delayed	Total Time Value of Delay	Delay			Total Annual Passenger Hours Delayed	Total Commercial Hours Delayed	Total Time Value of Delay	Difference in Cost	Discounted Cost Savings	Passenger Hours Saved	Commercial Hours Saved
	L	T	R	L	T	R	L	T	R	L	T	R	L	T	R				L	T	R							
2022																													
2023																													
2024																													
2025	19	19	5	44	707	120	1	79	0	65	1046	178	1	79	0	4660	318	93688	19	19	5	4660	318	93688	$ -	$ -	0	0
2026	19	19	5	44	711	121	1	79	0	66	1053	179	1	79	0	4691	320	94325	19	19	5	4691	320	94325	$ -	$ -	0	0
2027	19	19	5	45	716	122	1	80	0	66	1060	180	1	80	0	4723	323	94966	19	19	5	4723	323	94966	$ -	$ -	0	0
2028	19	19	5	45	721	122	1	80	0	67	1067	181	1	80	0	4755	325	95612	20	19	6	4993	341	100392	$ (4,781)	$ (3,980)	-238	-16
2029	19	19	5	45	726	123	1	81	0	67	1074	182	1	81	0	4788	327	96262	20	19	6	5027	343	101075	$ (4,813)	$ (3,887)	-239	-16
2030	19	19	5	46	731	124	1	81	0	68	1082	184	1	81	0	4820	329	96917	20	19	6	5061	346	101762	$ (4,846)	$ (3,796)	-241	-16
2031	19	19	5	46	736	125	1	82	0	68	1089	185	1	82	0	4853	332	97576	6	7	0	1763	127	35661	$ 61,914	$ 47,039	3090	205
2032	19	19	5	46	741	126	1	82	0	68	1096	186	1	82	0	4886	334	98239	6	7	0	1775	128	35904	$ 62,335	$ 45,935	3111	206
2033	19	19	5	47	746	127	1	83	0	69	1104	187	1	83	0	4919	336	98907	6	7	0	1787	129	36148	$ 62,759	$ 44,857	3132	207
2034	19	19	5	47	751	128	1	83	0	69	1111	189	1	83	0	4953	338	99580	6	7	0	1799	130	36394	$ 63,186	$ 43,804	3153	209
2035	19	19	5	47	756	128	1	84	0	70	1119	190	1	84	0	4986	341	100257	6	7	0	1812	130	36641	$ 63,615	$ 42,776	3175	210
2036	19	19	5	48	761	129	1	85	0	70	1127	191	1	85	0	5020	343	100939	6	7	0	1824	131	36891	$ 64,048	$ 41,772	3196	212
2037	19	19	5	48	766	130	1	85	0	71	1134	193	1	85	0	5054	345	101625	6	7	0	1836	132	37141	$ 64,484	$ 40,791	3218	213
2038	19	19	5	48	772	131	1	86	0	71	1142	194	1	86	0	5089	348	102316	6	7	0	1849	133	37394	$ 64,922	$ 39,834	3240	215
2039	19	19	5	48	777	132	1	86	0	72	1150	195	1	86	0	5123	350	103012	6	7	0	1861	134	37648	$ 65,364	$ 38,899	3262	216
2040	19	19	5	49	782	133	1	87	0	72	1158	197	1	87	0	5158	352	103712	6	7	0	1874	135	37904	$ 65,808	$ 37,986	3284	217
2041	19	19	5	49	787	134	1	87	0	73	1165	198	1	87	0	5193	355	104418	6	7	0	1887	136	38162	$ 66,256	$ 37,094	3306	219
2042	19	19	5	49	793	135	1	88	0	73	1173	199	1	88	0	5229	357	105128	6	7	0	1900	137	38422	$ 66,706	$ 36,224	3329	220
2043	19	19	5	50	798	136	1	89	0	74	1181	201	1	89	0	5264	360	105842	6	7	0	1913	138	38683	$ 67,160	$ 35,373	3351	222
2044	19	19	5	50	804	136	1	89	0	74	1189	202	1	89	0	5300	362	106562	6	7	0	1926	139	38946	$ 67,616	$ 34,543	3374	223
2045	19	19	5	51	809	137	1	90	0	75	1197	203	1	90	0	5336	365	107287	6	7	0	1939	140	39211	$ 68,076	$ 33,732	3397	225
2046	19	19	5	51	815	138	1	91	0	75	1206	205	1	91	0	5372	367	108016	6	7	0	1952	141	39477	$ 68,539	$ 32,940	3420	226
2047	19	19	5	51	820	139	1	91	0	76	1214	206	1	91	0	5409	369	108751	6	7	0	1965	141	39746	$ 69,005	$ 32,167	3444	228
2048	19	19	5	52	826	140	1	92	0	76	1222	208	1	92	0	5446	372	109490	6	7	0	1979	142	40016	$ 69,474	$ 31,412	3467	230
2049	19	19	5	52	831	141	1	92	0	77	1230	209	1	92	0	5483	375	110235	6	7	0	1992	143	40288	$ 69,947	$ 30,675	3491	231
2050	19	19	5	52	837	142	1	93	0	77	1239	210	1	93	0	5520	377	110985	6	7	0	2006	144	40562	$ 70,422	$ 29,955	3514	233
2051	19	19	5	53	843	143	1	94	0	78	1247	212	1	94	0	5557	380	111739	6	7	0	2019	145	40838	$ 70,901	$ 29,252	3538	234
2052	18.7	18.5	5.3	53.0	848.4	144.1	1.1	94.3	0.0	78.4	1255.6	213.3	1.1	94.3	0.0	5595.2	382.2	112499.0	5.7	7.1	0.1	2032.9	146.3	41115.6	71383.4	28565.2	3562.3	235.9
Total																									**$ 1,449,481.56**	**$ 803,964.74**		

Hertitage Creek Drive WB - AM

Growth Rate	0.68%
Build % Reduction in Delay	

	No- Build																		Build									
Year	Delay			Passenger Vehicle Count (VpH)			Commercial Vehicle Count (VpH)			Total Passenger Vehicle Persons (PpH)			Total Commercial Vehicle Persons (PpH)			Total Passenger Annual Hours Delayed	Total Commercial Annual Hours Delayed	Total Time Value of Delay	Delay			Total Annual Passenger Hours Delayed	Total Commercial Hours Delayed	Total Time Value of Delay	Difference in Cost	Discounted Cost Savings	Passenger Hours Saved	Commercial Hours Saved
	L	T	R	L	T	R	L	T	R	L	T	R	L	T	R				L	T	R							
2022																												
2023																												
2024																												
2025	14	36	11	74	941	245	6	50	0	109	1392	363	6	50	0	12190	410	231450	14	36	11	12190	410	231450	$ -	$ -	0	0
2026	14	36	11	74	947	247	6	50	0	110	1401	365	6	50	0	12273	413	233024	14	36	11	12273	413	233024	$ -	$ -	0	0
2027	14	36	11	75	953	248	6	50	0	110	1411	368	6	50	0	12356	416	234608	14	36	11	12356	416	234608	$ -	$ -	0	0
2028	14	36	11	75	960	250	7	51	0	111	1421	370	7	51	0	12440	419	236204	15	38	12	13062	440	248014	$ (11,810)	$ (9,833)	-622	-21
2029	14	36	11	76	966	252	7	51	0	112	1430	373	7	51	0	12525	422	237810	15	38	12	13151	443	249700	$ (11,890)	$ (9,603)	-626	-21
2030	14	36	11	76	973	253	7	51	0	113	1440	375	7	51	0	12610	425	239427	15	38	12	13240	446	251398	$ (11,971)	$ (9,377)	-630	-21
2031	14	36	11	77	980	255	7	52	0	113	1450	378	7	52	0	12696	427	241055	2	10	12	4013	109	75341	$ 165,714	$ 125,901	8683	319
2032	14	36	11	77	986	257	7	52	0	114	1460	380	7	52	0	12782	430	242694	2	10	12	4040	110	75853	$ 166,841	$ 122,946	8742	321
2033	14	36	11	78	993	259	7	52	0	115	1469	383	7	52	0	12869	433	244344	2	10	12	4067	110	76369	$ 167,975	$ 120,060	8801	323
2034	14	36	11	78	1000	260	7	53	0	116	1479	385	7	53	0	12956	436	246006	2	10	12	4095	111	76889	$ 169,117	$ 117,242	8861	325
2035	14	36	11	79	1006	262	7	53	0	117	1490	388	7	53	0	13044	439	247679	2	10	12	4123	112	77411	$ 170,267	$ 114,490	8922	327
2036	14	36	11	79	1013	264	7	53	0	117	1500	391	7	53	0	13133	442	249363	2	10	12	4151	113	77938	$ 171,425	$ 111,803	8982	330
2037	14	36	11	80	1020	266	7	54	0	118	1510	393	7	54	0	13222	445	251059	2	10	12	4179	113	78468	$ 172,591	$ 109,179	9043	332
2038	14	36	11	80	1027	268	7	54	0	119	1520	396	7	54	0	13312	448	252766	2	10	12	4208	114	79001	$ 173,765	$ 106,616	9105	334
2039	14	36	11	81	1034	269	7	54	0	120	1530	399	7	54	0	13403	451	254485	2	10	12	4236	115	79539	$ 174,946	$ 104,114	9167	336
2040	14	36	11	81	1041	271	7	55	0	121	1541	401	7	55	0	13494	454	256215	2	10	12	4265	116	80079	$ 176,136	$ 101,670	9229	339
2041	14	36	11	82	1048	273	7	55	0	121	1551	404	7	55	0	13586	457	257957	2	10	12	4294	116	80624	$ 177,334	$ 99,283	9292	341
2042	14	36	11	83	1055	275	7	56	0	122	1562	407	7	56	0	13678	460	259712	2	10	12	4323	117	81172	$ 178,539	$ 96,953	9355	343
2043	14	36	11	83	1063	277	7	56	0	123	1573	410	7	56	0	13771	464	261478	2	10	12	4353	118	81724	$ 179,753	$ 94,677	9419	346
2044	14	36	11	84	1070	279	7	56	0	124	1583	412	7	56	0	13865	467	263256	2	10	12	4382	119	82280	$ 180,976	$ 92,455	9483	348
2045	14	36	11	84	1077	281	7	57	0	125	1594	415	7	57	0	13959	470	265046	2	10	12	4412	120	82839	$ 182,206	$ 90,285	9547	350
2046	14	36	11	85	1084	282	7	57	0	126	1605	418	7	57	0	14054	473	266848	2	10	12	4442	121	83403	$ 183,445	$ 88,166	9612	353
2047	14	36	11	85	1092	284	7	57	0	126	1616	421	7	57	0	14150	476	268663	2	10	12	4472	121	83970	$ 184,693	$ 86,096	9677	355
2048	14	36	11	86	1099	286	7	58	0	127	1627	424	7	58	0	14246	480	270490	2	10	12	4503	122	84541	$ 185,949	$ 84,075	9743	357
2049	14	36	11	87	1107	288	8	58	0	128	1638	427	8	58	0	14343	483	272329	2	10	12	4533	123	85116	$ 187,213	$ 82,102	9809	360
2050	14	36	11	87	1114	290	8	59	0	129	1649	430	8	59	0	14440	486	274181	2	10	12	4564	124	85694	$ 188,486	$ 80,175	9876	362
2051	14	36	11	88	1122	292	8	59	0	130	1660	432	8	59	0	14538	489	276045	2	10	12	4595	125	86277	$ 189,768	$ 78,293	9943	365
2052	14.4	36.4	11.1	88.4	1129.3	294.2	7.7	59.4	0.0	130.8	1671.4	435.4	7.7	59.4	0.0	14637.2	492.8	277922.2	1.9	9.5	12.0	4626.3	125.5	86863.9	191058.4	76455.0	10011.0	367.2
Total																									**$ 3,882,526.39**	**$ 2,154,222.50**		

Hertitage Creek Drive NB - AM

Growth Rate	0.68%
Build % Reduction in Delay	

	No- Build																		Build										
Year	Delay			Passenger Vehicle Count (VpH)			Commercial Vehicle Count (VpH)			Total Passenger Vehicle Persons (PpH)			Total Commercial Vehicle Persons (PpH)			Total Passenger Annual Hours Delayed	Total Commercial Annual Hours Delayed	Total Time Value of Delay	Delay			Total Annual Passenger Hours Delayed	Total Commercial Hours Delayed	Total Time Value of Delay	Difference in Cost	Discounted Cost Savings	Passenger Hours Saved	Commercial Hours Saved
	L	T	R	L	T	R	L	T	R	L	T	R	L	T	R				L	T	R							
2022																													
2023																													
2024																													
2025	48	0	40	34	0	18	11	0	18	50	0	26	11	0	18	744	268	21960	48	0	40	744	268	21960	$ -	$ -	0	0
2026	48	0	40	34	0	18	11	0	18	50	0	26	11	0	18	749	269	22109	48	0	40	749	269	22109	$ -	$ -	0	0
2027	48	0	40	34	0	18	11	0	18	51	0	26	11	0	18	754	271	22260	48	0	40	754	271	22260	$ -	$ -	0	0
2028	48	0	40	34	0	18	11	0	18	51	0	26	11	0	18	759	273	22411	51	0	42	797	287	23531	$ (1,121)	$ (933)	-38	-14
2029	48	0	40	35	0	18	12	0	18	51	0	27	12	0	18	764	275	22563	51	0	42	803	289	23691	$ (1,128)	$ (911)	-38	-14
2030	48	0	40	35	0	18	12	0	18	52	0	27	12	0	18	770	277	22717	51	0	42	808	291	23853	$ (1,136)	$ (890)	-38	-14
2031	48	0	40	35	0	18	12	0	18	52	0	27	12	0	18	775	279	22871	48	43	43	793	291	23591	$ (720)	$ (547)	-18	-12
2032	48	0	40	35	0	18	12	0	18	52	0	27	12	0	18	780	281	23027	48	43	43	798	293	23751	$ (725)	$ (534)	-18	-12
2033	48	0	40	36	0	18	12	0	18	53	0	27	12	0	18	785	283	23183	48	43	43	804	295	23913	$ (730)	$ (521)	-18	-12
2034	48	0	40	36	0	19	12	0	19	53	0	28	12	0	19	791	284	23341	48	43	43	809	297	24076	$ (735)	$ (509)	-18	-12
2035	48	0	40	36	0	19	12	0	19	53	0	28	12	0	19	796	286	23500	48	43	43	815	299	24239	$ (740)	$ (497)	-19	-13
2036	48	0	40	36	0	19	12	0	19	54	0	28	12	0	19	801	288	23660	48	43	43	820	301	24404	$ (745)	$ (486)	-19	-13
2037	48	0	40	37	0	19	12	0	19	54	0	28	12	0	19	807	290	23820	48	43	43	826	303	24570	$ (750)	$ (474)	-19	-13
2038	48	0	40	37	0	19	12	0	19	55	0	28	12	0	19	812	292	23982	48	43	43	831	305	24737	$ (755)	$ (463)	-19	-13
2039	48	0	40	37	0	19	12	0	19	55	0	28	12	0	19	818	294	24145	48	43	43	837	307	24905	$ (760)	$ (452)	-19	-13
2040	48	0	40	37	0	19	12	0	19	55	0	29	12	0	19	823	296	24310	48	43	43	843	309	25075	$ (765)	$ (442)	-19	-13
2041	48	0	40	38	0	20	13	0	20	56	0	29	13	0	20	829	298	24475	48	43	43	848	311	25245	$ (770)	$ (431)	-19	-13
2042	48	0	40	38	0	20	13	0	20	56	0	29	13	0	20	835	300	24641	48	43	43	854	314	25417	$ (775)	$ (421)	-20	-13
2043	48	0	40	38	0	20	13	0	20	56	0	29	13	0	20	840	302	24809	48	43	43	860	316	25590	$ (781)	$ (411)	-20	-13
2044	48	0	40	38	0	20	13	0	20	57	0	29	13	0	20	846	304	24978	48	43	43	866	318	25764	$ (786)	$ (402)	-20	-13
2045	48	0	40	39	0	20	13	0	20	57	0	30	13	0	20	852	306	25147	48	43	43	872	320	25939	$ (791)	$ (392)	-20	-13
2046	48	0	40	39	0	20	13	0	20	58	0	30	13	0	20	858	309	25318	48	43	43	878	322	26115	$ (797)	$ (383)	-20	-14
2047	48	0	40	39	0	20	13	0	20	58	0	30	13	0	20	863	311	25491	48	43	43	884	324	26293	$ (802)	$ (374)	-20	-14
2048	48	0	40	39	0	20	13	0	20	58	0	30	13	0	20	869	313	25664	48	43	43	890	327	26472	$ (808)	$ (365)	-20	-14
2049	48	0	40	40	0	21	13	0	21	59	0	30	13	0	21	875	315	25839	48	43	43	896	329	26652	$ (813)	$ (357)	-20	-14
2050	48	0	40	40	0	21	13	0	21	59	0	31	13	0	21	881	317	26014	48	43	43	902	331	26833	$ (819)	$ (348)	-21	-14
2051	48	0	40	40	0	21	13	0	21	60	0	31	13	0	21	887	319	26191	48	43	43	908	333	27015	$ (824)	$ (340)	-21	-14
2052	48.2	0.0	39.6	40.5	0.0	21.0	13.5	0.0	21.0	60.0	0.0	31.1	13.5	0.0	21.0	893.2	321.4	26369.2	48.2	42.7	42.7	914.1	335.5	27199.0	-829.8	-332.1	-20.9	-14.1
Total																									**$ (20,402.10)**	**$ (12,215.17)**		

Hertitage Creek Drive SB - AM

Growth Rate	0.68%
Build % Reduction in Delay	

	No- Build																		Build										
Year	Delay			Passenger Vehicle Count (VpH)			Commercial Vehicle Count (VpH)			Total Passenger Vehicle Persons (PpH)			Total Commercial Vehicle Persons (PpH)			Total Passenger Annual Hours Delayed	Total Commercial Annual Hours Delayed	Total Time Value of Delay	Delay			Total Annual Passenger Hours Delayed	Total Commercial Hours Delayed	Total Time Value of Delay	Difference in Cost	Discounted Cost Savings	Passenger Hours Saved	Commercial Hours Saved
	L	T	R	L	T	R	L	T	R	L	T	R	L	T	R				L	T	R							
2022																													
2023																													
2024																													
2025	74	46	40	195	20	39	10	0	1	288	30	57	10	0	1	5404	174	102363	74	46	40	5404	174	102363	$ -	$ -	0	0
2026	74	46	40	196	20	39	10	0	1	290	30	58	10	0	1	5441	176	103059	74	46	40	5441	176	103059	$ -	$ -	0	0
2027	74	46	40	197	20	39	10	0	1	292	30	58	10	0	1	5478	177	103759	74	46	40	5478	177	103759	$ -	$ -	0	0
2028	74	46	40	199	20	40	10	0	1	294	30	59	10	0	1	5515	178	104465	77	48	42	5791	187	109688	$ (5,223)	$ (4,349)	-276	-9
2029	74	46	40	200	21	40	11	0	1	296	30	59	11	0	1	5552	179	105175	77	48	42	5830	188	110434	$ (5,259)	$ (4,247)	-278	-9
2030	74	46	40	201	21	40	11	0	1	298	31	59	11	0	1	5590	180	105891	77	48	42	5870	189	111185	$ (5,295)	$ (4,147)	-280	-9
2031	74	46	40	203	21	40	11	0	1	300	31	60	11	0	1	5628	182	106611	45	43	36	3650	113	68979	$ 37,632	$ 28,591	1978	69
2032	74	46	40	204	21	41	11	0	1	302	31	60	11	0	1	5667	183	107336	45	43	36	3675	114	69448	$ 37,887	$ 27,920	1992	69
2033	74	46	40	206	21	41	11	0	1	304	31	61	11	0	1	5705	184	108066	45	43	36	3700	114	69920	$ 38,145	$ 27,264	2005	70
2034	74	46	40	207	21	41	11	0	1	306	31	61	11	0	1	5744	185	108800	45	43	36	3725	115	70396	$ 38,404	$ 26,624	2019	70
2035	74	46	40	208	21	42	11	0	1	308	32	61	11	0	1	5783	187	109540	45	43	36	3750	116	70875	$ 38,666	$ 25,999	2033	71
2036	74	46	40	210	22	42	11	0	1	311	32	62	11	0	1	5822	188	110285	45	43	36	3776	117	71357	$ 38,929	$ 25,389	2046	71
2037	74	46	40	211	22	42	11	0	1	313	32	62	11	0	1	5862	189	111035	45	43	36	3802	117	71842	$ 39,193	$ 24,793	2060	72
2038	74	46	40	213	22	42	11	0	1	315	32	63	11	0	1	5902	190	111790	45	43	36	3827	118	72330	$ 39,460	$ 24,211	2074	72
2039	74	46	40	214	22	43	11	0	1	317	33	63	11	0	1	5942	192	112550	45	43	36	3853	119	72822	$ 39,728	$ 23,643	2088	73
2040	74	46	40	216	22	43	11	0	1	319	33	64	11	0	1	5982	193	113316	45	43	36	3880	120	73317	$ 39,998	$ 23,088	2103	73
2041	74	46	40	217	22	43	11	0	1	321	33	64	11	0	1	6023	194	114086	45	43	36	3906	121	73816	$ 40,270	$ 22,546	2117	74
2042	74	46	40	219	22	44	12	0	1	323	33	64	12	0	1	6064	196	114862	45	43	36	3933	122	74318	$ 40,544	$ 22,017	2131	74
2043	74	46	40	220	23	44	12	0	1	326	33	65	12	0	1	6105	197	115643	45	43	36	3959	122	74823	$ 40,820	$ 21,500	2146	75
2044	74	46	40	222	23	44	12	0	1	328	34	65	12	0	1	6147	198	116429	45	43	36	3986	123	75332	$ 41,097	$ 20,995	2160	75
2045	74	46	40	223	23	44	12	0	1	330	34	66	12	0	1	6188	200	117221	45	43	36	4013	124	75844	$ 41,377	$ 20,503	2175	76
2046	74	46	40	225	23	45	12	0	1	332	34	66	12	0	1	6230	201	118018	45	43	36	4041	125	76360	$ 41,658	$ 20,021	2190	76
2047	74	46	40	226	23	45	12	0	1	335	34	67	12	0	1	6273	202	118821	45	43	36	4068	126	76879	$ 41,941	$ 19,551	2205	77
2048	74	46	40	228	23	45	12	0	1	337	35	67	12	0	1	6315	204	119629	45	43	36	4096	127	77402	$ 42,227	$ 19,092	2220	77
2049	74	46	40	229	24	46	12	0	1	339	35	68	12	0	1	6358	205	120442	45	43	36	4124	127	77928	$ 42,514	$ 18,644	2235	78
2050	74	46	40	231	24	46	12	0	1	341	35	68	12	0	1	6402	207	121261	45	43	36	4152	128	78458	$ 42,803	$ 18,207	2250	78
2051	74	46	40	232	24	46	12	0	1	344	35	68	12	0	1	6445	208	122086	45	43	36	4180	129	78992	$ 43,094	$ 17,779	2265	79
2052	73.8	46.0	40.2	233.9	24.0	46.6	12.3	0.0	1.4	346.1	35.5	69.0	12.3	0.0	1.4	6489.0	209.4	122915.9	44.6	43.3	35.5	4208.3	130.0	79528.9	43386.9	17362.0	2280.7	79.3
Total																									**$ 873,996.87**	**$ 482,996.73**		

Hertitage Creek Drive EB - PM

Growth Rate	0.68%
Build % Reduction in Delay	

	No- Build																		Build										
Year	Delay			Passenger Vehicle Count (VpH)			Commercial Vehicle Count (VpH)			Total Passenger Vehicle Persons (PpH)			Total Commercial Vehicle Persons (PpH)			Total Passenger Annual Hours Delayed	Total Commercial Annual Hours Delayed	Total Time Value of Delay	Delay			Total Annual Passenger Hours Delayed	Total Commercial Hours Delayed	Total Time Value of Delay	Difference in Cost	Discounted Cost Savings	Passenger Hours Saved	Commercial Hours Saved
	L	T	R	L	T	R	L	T	R	L	T	R	L	T	R				L	T	R							
2022																													
2023																													
2024																													
2025	65	74	5	64	960	215	1	20	0	94	1421	318	1	20	0	24407	332	447603	65	74	5	24407	332	447603	$ -	$ -	0	0
2026	65	74	5	64	967	216	1	20	0	95	1431	320	1	20	0	24572	334	450647	65	74	5	24572	334	450647	$ -	$ -	0	0
2027	65	74	5	65	974	218	1	20	0	96	1441	323	1	20	0	24740	337	453711	65	74	5	24740	337	453711	$ -	$ -	0	0
2028	65	74	5	65	980	219	1	20	0	96	1451	325	1	20	0	24908	339	456796	68	78	5	26153	356	479636	$ (22,840)	$ (19,017)	-1245	-17
2029	65	74	5	65	987	221	1	20	0	97	1460	327	1	20	0	25077	341	459903	68	78	5	26331	358	482898	$ (22,995)	$ (18,571)	-1254	-17
2030	65	74	5	66	994	222	1	20	0	98	1470	329	1	20	0	25248	344	463030	68	78	5	26510	361	486181	$ (23,151)	$ (18,135)	-1262	-17
2031	65	74	5	66	1000	224	1	20	0	98	1480	331	1	20	0	25419	346	466178	10	13	0	4492	62	82409	$ 383,769	$ 291,570	20927	284
2032	65	74	5	67	1007	225	1	21	0	99	1490	334	1	21	0	25592	348	469348	10	13	0	4523	62	82970	$ 386,379	$ 284,726	21069	286
2033	65	74	5	67	1014	227	1	21	0	100	1501	336	1	21	0	25766	351	472540	10	13	0	4554	63	83534	$ 389,006	$ 278,043	21213	288
2034	65	74	5	68	1021	229	1	21	0	100	1511	338	1	21	0	25941	353	475753	10	13	0	4585	63	84102	$ 391,652	$ 271,516	21357	290
2035	65	74	5	68	1028	230	1	21	0	101	1521	341	1	21	0	26118	355	478988	10	13	0	4616	64	84674	$ 394,315	$ 265,143	21502	292
2036	65	74	5	69	1035	232	1	21	0	102	1531	343	1	21	0	26295	358	482246	10	13	0	4647	64	85249	$ 396,996	$ 258,920	21648	294
2037	65	74	5	69	1042	233	1	21	0	102	1542	345	1	21	0	26474	360	485525	10	13	0	4679	64	85829	$ 399,696	$ 252,842	21796	296
2038	65	74	5	70	1049	235	1	21	0	103	1552	348	1	21	0	26654	363	488826	10	13	0	4711	65	86413	$ 402,414	$ 246,907	21944	298
2039	65	74	5	70	1056	236	1	22	0	104	1563	350	1	22	0	26836	365	492150	10	13	0	4743	65	87000	$ 405,150	$ 241,112	22093	300
2040	65	74	5	71	1063	238	1	22	0	104	1573	352	1	22	0	27018	368	495497	10	13	0	4775	66	87592	$ 407,905	$ 235,452	22243	302
2041	65	74	5	71	1070	240	1	22	0	105	1584	355	1	22	0	27202	370	498866	10	13	0	4807	66	88188	$ 410,679	$ 229,926	22395	304
2042	65	74	5	71	1078	241	1	22	0	106	1595	357	1	22	0	27387	373	502259	10	13	0	4840	67	88787	$ 413,471	$ 224,529	22547	306
2043	65	74	5	72	1085	243	1	22	0	107	1606	359	1	22	0	27573	375	505674	10	13	0	4873	67	89391	$ 416,283	$ 219,259	22700	308
2044	65	74	5	72	1092	245	1	22	0	107	1617	362	1	22	0	27760	378	509113	10	13	0	4906	68	89999	$ 419,114	$ 214,112	22854	310
2045	65	74	5	73	1100	246	1	22	0	108	1628	364	1	22	0	27949	380	512575	10	13	0	4939	68	90611	$ 421,964	$ 209,086	23010	312
2046	65	74	5	73	1107	248	1	23	0	109	1639	367	1	23	0	28139	383	516060	10	13	0	4973	68	91227	$ 424,833	$ 204,179	23166	314
2047	65	74	5	74	1115	250	2	23	0	109	1650	369	2	23	0	28331	385	519569	10	13	0	5007	69	91847	$ 427,722	$ 199,386	23324	317
2048	65	74	5	74	1122	251	2	23	0	110	1661	372	2	23	0	28523	388	523102	10	13	0	5041	69	92472	$ 430,630	$ 194,706	23482	319
2049	65	74	5	75	1130	253	2	23	0	111	1672	374	2	23	0	28717	391	526660	10	13	0	5075	70	93101	$ 433,559	$ 190,136	23642	321
2050	65	74	5	75	1138	255	2	23	0	112	1684	377	2	23	0	28913	393	530241	10	13	0	5110	70	93734	$ 436,507	$ 185,673	23803	323
2051	65	74	5	76	1145	256	2	23	0	112	1695	380	2	23	0	29109	396	533846	10	13	0	5144	71	94371	$ 439,475	$ 181,315	23965	325
2052	64.8	73.9	4.7	76.5	1153.2	258.2	1.6	23.5	0.0	113.2	1706.8	382.1	1.6	23.5	0.0	29307.1	398.8	537476.6	10.3	13.3	0.1	5179.3	71.3	95013.0	442463.6	177058.8	24127.8	327.5
Total																									**$ 9,004,995.55**	**$ 4,999,873.48**		

Hertitage Creek Drive WB - PM

Growth Rate	0.68%
Build % Reduction in Delay	

	No- Build																		Build									
Year	Delay			Passenger Vehicle Count (VpH)			Commercial Vehicle Count (VpH)			Total Passenger Vehicle Persons (PpH)			Total Commercial Vehicle Persons (PpH)			Total Passenger Annual Hours Delayed	Total Commercial Annual Hours Delayed	Total Time Value of Delay	Delay			Total Annual Passenger Hours Delayed	Total Commercial Hours Delayed	Total Time Value of Delay	Difference in Cost	Discounted Cost Savings	Passenger Hours Saved	Commercial Hours Saved
	L	T	R	L	T	R	L	T	R	L	T	R	L	T	R				L	T	R							
2022																												
2023																												
2024																												
2025	227	45	16	160	985	240	0	20	0	237	1458	355	0	20	0	26978	190	489054	227	45	16	26978	190	489054	$ -	$ -	0	0
2026	227	45	16	161	992	242	0	20	0	238	1468	358	0	20	0	27162	192	492380	227	45	16	27162	192	492380	$ -	$ -	0	0
2027	227	45	16	162	998	243	0	20	0	240	1478	360	0	20	0	27346	193	495728	227	45	16	27346	193	495728	$ -	$ -	0	0
2028	227	45	16	163	1005	245	0	20	0	242	1488	362	0	20	0	27532	194	499099	238	47	16	28909	204	524054	$ (24,955)	$ (20,778)	-1377	-10
2029	227	45	16	164	1012	247	0	20	0	243	1498	365	0	20	0	27719	195	502493	238	47	16	29105	205	527618	$ (25,125)	$ (20,290)	-1386	-10
2030	227	45	16	166	1019	248	0	20	0	245	1508	367	0	20	0	27908	197	505910	238	47	16	29303	207	531205	$ (25,295)	$ (19,814)	-1395	-10
2031	227	45	16	167	1026	250	0	20	0	247	1518	370	0	20	0	28098	198	509350	32	7	4	4290	31	77768	$ 431,582	$ 327,896	23808	168
2032	227	45	16	168	1033	252	0	21	0	248	1528	372	0	21	0	28289	199	512814	32	7	4	4319	31	78297	$ 434,517	$ 320,199	23970	169
2033	227	45	16	169	1040	253	0	21	0	250	1539	375	0	21	0	28481	201	516301	32	7	4	4348	31	78829	$ 437,472	$ 312,683	24133	170
2034	227	45	16	170	1047	255	0	21	0	252	1549	378	0	21	0	28675	202	519812	32	7	4	4378	31	79365	$ 440,447	$ 305,344	24297	171
2035	227	45	16	171	1054	257	0	21	0	253	1560	380	0	21	0	28870	204	523346	32	7	4	4407	31	79905	$ 443,442	$ 298,177	24462	172
2036	227	45	16	172	1061	259	0	21	0	255	1570	383	0	21	0	29066	205	526905	32	7	4	4437	32	80448	$ 446,457	$ 291,178	24629	173
2037	227	45	16	174	1068	260	0	21	0	257	1581	385	0	21	0	29264	206	530488	32	7	4	4468	32	80995	$ 449,493	$ 284,343	24796	175
2038	227	45	16	175	1076	262	0	21	0	259	1592	388	0	21	0	29463	208	534095	32	7	4	4498	32	81546	$ 452,549	$ 277,669	24965	176
2039	227	45	16	176	1083	264	0	22	0	260	1603	391	0	22	0	29663	209	537727	32	7	4	4528	32	82100	$ 455,627	$ 271,151	25135	177
2040	227	45	16	177	1090	266	0	22	0	262	1614	393	0	22	0	29865	211	541384	32	7	4	4559	32	82659	$ 458,725	$ 264,787	25306	178
2041	227	45	16	178	1098	267	0	22	0	264	1625	396	0	22	0	30068	212	545065	32	7	4	4590	33	83221	$ 461,844	$ 258,572	25478	179
2042	227	45	16	180	1105	269	0	22	0	266	1636	399	0	22	0	30272	213	548772	32	7	4	4621	33	83787	$ 464,985	$ 252,502	25651	181
2043	227	45	16	181	1113	271	0	22	0	268	1647	401	0	22	0	30478	215	552503	32	7	4	4653	33	84356	$ 468,147	$ 246,576	25825	182
2044	227	45	16	182	1120	273	0	22	0	269	1658	404	0	22	0	30686	216	556260	32	7	4	4685	33	84930	$ 471,330	$ 240,788	26001	183
2045	227	45	16	183	1128	275	0	22	0	271	1669	407	0	22	0	30894	218	560043	32	7	4	4716	34	85508	$ 474,535	$ 235,136	26178	184
2046	227	45	16	184	1136	277	0	23	0	273	1681	410	0	23	0	31104	219	563851	32	7	4	4748	34	86089	$ 477,762	$ 229,617	26356	186
2047	227	45	16	186	1143	279	0	23	0	275	1692	412	0	23	0	31316	221	567685	32	7	4	4781	34	86674	$ 481,011	$ 224,227	26535	187
2048	227	45	16	187	1151	280	0	23	0	277	1704	415	0	23	0	31529	222	571546	32	7	4	4813	34	87264	$ 484,282	$ 218,964	26715	188
2049	227	45	16	188	1159	282	0	23	0	279	1715	418	0	23	0	31743	224	575432	32	7	4	4846	34	87857	$ 487,575	$ 213,824	26897	189
2050	227	45	16	190	1167	284	0	23	0	281	1727	421	0	23	0	31959	225	579345	32	7	4	4879	35	88455	$ 490,890	$ 208,805	27080	191
2051	227	45	16	191	1175	286	0	23	0	282	1739	424	0	23	0	32176	227	583285	32	7	4	4912	35	89056	$ 494,228	$ 203,904	27264	192
2052	226.5	44.8	15.7	192.1	1182.7	288.2	0.0	23.5	0.0	284.3	1750.3	426.5	0.0	23.5	0.0	32395.1	228.5	587251.0	32.4	6.9	3.6	4945.5	35.2	89661.8	497589.2	199118.2	27449.5	193.3
Total																									**$ 10,129,115.31**	**$ 5,624,579.27**		

Hertitage Creek Drive NB - PM

Growth Rate	0.68%
Build % Reduction in Delay	

	No- Build																		Build									
Year	Delay			Passenger Vehicle Count (VpH)			Commercial Vehicle Count (VpH)			Total Passenger Vehicle Persons (PpH)			Total Commercial Vehicle Persons (PpH)			Total Passenger Annual Hours Delayed	Total Commercial Annual Hours Delayed	Total Time Value of Delay	Delay			Total Annual Passenger Hours Delayed	Total Commercial Hours Delayed	Total Time Value of Delay	Difference in Cost	Discounted Cost Savings	Passenger Hours Saved	Commercial Hours Saved
	L	T	R	L	T	R	L	T	R	L	T	R	L	T	R				L	T	R							
2022																												
2023																												
2024																												
2025	69	44	41	240	30	180	0	0	0	355	44	266	0	0	0	8122	0	145387	69	44	41	8122	0	145387	$ -	$ -	0	0
2026	69	44	41	242	30	181	0	0	0	358	45	268	0	0	0	8177	0	146375	69	44	41	8177	0	146375	$ -	$ -	0	0
2027	69	44	41	243	30	182	0	0	0	360	45	270	0	0	0	8233	0	147371	69	44	41	8233	0	147371	$ -	$ -	0	0
2028	69	44	41	245	31	184	0	0	0	362	45	272	0	0	0	8289	0	148373	73	46	43	8703	0	155792	$ (7,419)	$ (6,177)	-414	0
2029	69	44	41	247	31	185	0	0	0	365	46	274	0	0	0	8345	0	149382	73	46	43	8763	0	156851	$ (7,469)	$ (6,032)	-417	0
2030	69	44	41	248	31	186	0	0	0	367	46	276	0	0	0	8402	0	150398	73	46	43	8822	0	157917	$ (7,520)	$ (5,890)	-420	0
2031	69	44	41	250	31	187	0	0	0	370	46	277	0	0	0	8459	0	151420	37	49	42	5970	0	106871	$ 44,549	$ 33,846	2489	0
2032	69	44	41	252	31	189	0	0	0	372	47	279	0	0	0	8517	0	152450	37	49	42	6011	0	107598	$ 44,852	$ 33,052	2506	0
2033	69	44	41	253	32	190	0	0	0	375	47	281	0	0	0	8575	0	153487	37	49	42	6052	0	108330	$ 45,157	$ 32,276	2523	0
2034	69	44	41	255	32	191	0	0	0	378	47	283	0	0	0	8633	0	154530	37	49	42	6093	0	109066	$ 45,464	$ 31,518	2540	0
2035	69	44	41	257	32	193	0	0	0	380	48	285	0	0	0	8692	0	155581	37	49	42	6135	0	109808	$ 45,773	$ 30,779	2557	0
2036	69	44	41	259	32	194	0	0	0	383	48	287	0	0	0	8751	0	156639	37	49	42	6176	0	110555	$ 46,085	$ 30,056	2575	0
2037	69	44	41	260	33	195	0	0	0	385	48	289	0	0	0	8810	0	157704	37	49	42	6218	0	111306	$ 46,398	$ 29,351	2592	0
2038	69	44	41	262	33	197	0	0	0	388	48	291	0	0	0	8870	0	158777	37	49	42	6261	0	112063	$ 46,713	$ 28,662	2610	0
2039	69	44	41	264	33	198	0	0	0	391	49	293	0	0	0	8931	0	159856	37	49	42	6303	0	112825	$ 47,031	$ 27,989	2627	0
2040	69	44	41	266	33	199	0	0	0	393	49	295	0	0	0	8991	0	160943	37	49	42	6346	0	113592	$ 47,351	$ 27,332	2645	0
2041	69	44	41	267	33	201	0	0	0	396	49	297	0	0	0	9052	0	162038	37	49	42	6389	0	114365	$ 47,673	$ 26,690	2663	0
2042	69	44	41	269	34	202	0	0	0	399	50	299	0	0	0	9114	0	163140	37	49	42	6433	0	115143	$ 47,997	$ 26,064	2681	0
2043	69	44	41	271	34	203	0	0	0	401	50	301	0	0	0	9176	0	164249	37	49	42	6476	0	115926	$ 48,323	$ 25,452	2700	0
2044	69	44	41	273	34	205	0	0	0	404	51	303	0	0	0	9238	0	165366	37	49	42	6520	0	116714	$ 48,652	$ 24,855	2718	0
2045	69	44	41	275	34	206	0	0	0	407	51	305	0	0	0	9301	0	166490	37	49	42	6565	0	117508	$ 48,983	$ 24,271	2736	0
2046	69	44	41	277	35	208	0	0	0	410	51	307	0	0	0	9364	0	167622	37	49	42	6609	0	118307	$ 49,316	$ 23,702	2755	0
2047	69	44	41	279	35	209	0	0	0	412	52	309	0	0	0	9428	0	168762	37	49	42	6654	0	119111	$ 49,651	$ 23,145	2774	0
2048	69	44	41	280	35	210	0	0	0	415	52	311	0	0	0	9492	0	169910	37	49	42	6699	0	119921	$ 49,989	$ 22,602	2793	0
2049	69	44	41	282	35	212	0	0	0	418	52	313	0	0	0	9557	0	171065	37	49	42	6745	0	120736	$ 50,329	$ 22,072	2812	0
2050	69	44	41	284	36	213	0	0	0	421	53	316	0	0	0	9622	0	172229	37	49	42	6791	0	121557	$ 50,671	$ 21,553	2831	0
2051	69	44	41	286	36	215	0	0	0	424	53	318	0	0	0	9687	0	173400	37	49	42	6837	0	122384	$ 51,016	$ 21,048	2850	0
2052	69.4	43.7	40.9	288.2	36.0	216.1	0.0	0.0	0.0	426.5	53.3	319.9	0.0	0.0	0.0	9753.0	0.0	174578.8	37.3	48.5	41.5	6883.6	0.0	123216.3	51362.5	20553.5	2869.4	0.0
Total																									**$ 1,030,927.66**	**$ 568,769.61**		

Hertitage Creek Drive SB - PM

Growth Rate	0.68%
Build % Reduction in Delay	

	No- Build																		Build										
Year	Delay			Passenger Vehicle Count (VpH)			Commercial Vehicle Count (VpH)			Total Passenger Vehicle Persons (PpH)			Total Commercial Vehicle Persons (PpH)			Total Passenger Annual Hours Delayed	Total Commercial Annual Hours Delayed	Total Time Value of Delay	Delay			Total Annual Passenger Hours Delayed	Total Commercial Hours Delayed	Total Time Value of Delay	Difference in Cost	Discounted Cost Savings	Passenger Hours Saved	Commercial Hours Saved
	L	T	R	L	T	R	L	T	R	L	T	R	L	T	R				L	T	R							
2022																													
2023																													
2024																													
2025	156	43	38	337	20	54	3	0	1	498	30	80	3	0	1	17766	124	322018	156	43	38	17766	124	322018	$ -	$ -	0	0
2026	156	43	38	339	20	54	3	0	1	502	30	80	3	0	1	17887	125	324208	156	43	38	17887	125	324208	$ -	$ -	0	0
2027	156	43	38	341	20	55	3	0	1	505	30	81	3	0	1	18009	126	326412	156	43	38	18009	126	326412	$ -	$ -	0	0
2028	156	43	38	344	20	55	3	0	1	508	30	81	3	0	1	18131	126	328632	164	46	39	19038	133	345064	$ (16,432)	$ (13,681)	-907	-6
2029	156	43	38	346	21	55	3	0	1	512	30	82	3	0	1	18254	127	330867	164	46	39	19167	134	347410	$ (16,543)	$ (13,360)	-913	-6
2030	156	43	38	348	21	56	4	0	1	515	31	83	4	0	1	18379	128	333117	164	46	39	19298	135	349772	$ (16,656)	$ (13,047)	-919	-6
2031	156	43	38	351	21	56	4	0	1	519	31	83	4	0	1	18504	129	335382	52	51	42	6903	50	125189	$ 210,193	$ 159,694	11600	79
2032	156	43	38	353	21	57	4	0	1	522	31	84	4	0	1	18629	130	337662	52	51	42	6950	50	126040	$ 211,622	$ 155,946	11679	79
2033	156	43	38	355	21	57	4	0	1	526	31	84	4	0	1	18756	131	339958	52	51	42	6998	51	126898	$ 213,061	$ 152,285	11758	80
2034	156	43	38	358	21	57	4	0	1	529	31	85	4	0	1	18884	132	342270	52	51	42	7045	51	127760	$ 214,510	$ 148,711	11838	81
2035	156	43	38	360	21	58	4	0	1	533	32	85	4	0	1	19012	133	344598	52	51	42	7093	51	128629	$ 215,968	$ 145,220	11919	81
2036	156	43	38	363	22	58	4	0	1	537	32	86	4	0	1	19141	133	346941	52	51	42	7141	52	129504	$ 217,437	$ 141,812	12000	82
2037	156	43	38	365	22	58	4	0	1	540	32	87	4	0	1	19271	134	349300	52	51	42	7190	52	130385	$ 218,915	$ 138,483	12082	82
2038	156	43	38	368	22	59	4	0	1	544	32	87	4	0	1	19403	135	351675	52	51	42	7239	53	131271	$ 220,404	$ 135,232	12164	83
2039	156	43	38	370	22	59	4	0	1	548	33	88	4	0	1	19534	136	354067	52	51	42	7288	53	132164	$ 221,903	$ 132,058	12246	83
2040	156	43	38	373	22	60	4	0	1	551	33	88	4	0	1	19667	137	356474	52	51	42	7338	53	133063	$ 223,412	$ 128,959	12330	84
2041	156	43	38	375	22	60	4	0	1	555	33	89	4	0	1	19801	138	358898	52	51	42	7387	54	133967	$ 224,931	$ 125,932	12414	84
2042	156	43	38	378	22	60	4	0	1	559	33	90	4	0	1	19936	139	361339	52	51	42	7438	54	134878	$ 226,461	$ 122,976	12498	85
2043	156	43	38	380	23	61	4	0	1	563	33	90	4	0	1	20071	140	363796	52	51	42	7488	54	135796	$ 228,000	$ 120,089	12583	86
2044	156	43	38	383	23	61	4	0	1	567	34	91	4	0	1	20208	141	366270	52	51	42	7539	55	136719	$ 229,551	$ 117,270	12669	86
2045	156	43	38	385	23	62	4	0	1	570	34	91	4	0	1	20345	142	368760	52	51	42	7590	55	137649	$ 231,112	$ 114,518	12755	87
2046	156	43	38	388	23	62	4	0	1	574	34	92	4	0	1	20483	143	371268	52	51	42	7642	55	138585	$ 232,683	$ 111,830	12841	87
2047	156	43	38	391	23	63	4	0	1	578	34	93	4	0	1	20623	144	373793	52	51	42	7694	56	139527	$ 234,266	$ 109,205	12929	88
2048	156	43	38	393	23	63	4	0	1	582	35	93	4	0	1	20763	145	376334	52	51	42	7746	56	140476	$ 235,859	$ 106,642	13017	89
2049	156	43	38	396	24	63	4	0	1	586	35	94	4	0	1	20904	146	378893	52	51	42	7799	57	141431	$ 237,462	$ 104,138	13105	89
2050	156	43	38	399	24	64	4	0	1	590	35	94	4	0	1	21046	147	381470	52	51	42	7852	57	142393	$ 239,077	$ 101,694	13194	90
2051	156	43	38	401	24	64	4	0	1	594	35	95	4	0	1	21189	148	384064	52	51	42	7905	57	143361	$ 240,703	$ 99,307	13284	90
2052	156.0	43.4	37.6	404.2	24.0	64.7	4.1	0.0	1.3	598.2	35.5	95.8	4.1	0.0	1.3	21333.6	148.8	386675.6	51.6	51.1	42.3	7959.2	57.8	144335.9	242339.7	96976.1	13374.3	91.0
Total																									**$ 4,920,238.38**	**$ 2,728,889.08**		

Hertitage Creek Drive EB - SAT

Growth Rate	0.68%
Build % Reduction in Delay	

	No- Build																		Build										
Year	Delay			Passenger Vehicle Count (VpH)			Commercial Vehicle Count (VpH)			Total Passenger Vehicle Persons (PpH)			Total Commercial Vehicle Persons (PpH)			Total Passenger Annual Hours Delayed	Total Commercial Annual Hours Delayed	Total Time Value of Delay	Delay			Total Annual Passenger Hours Delayed	Total Commercial Hours Delayed	Total Time Value of Delay	Difference in Cost	Discounted Cost Savings	Passenger Hours Saved	Commercial Hours Saved
	L	T	R	L	T	R	L	T	R	L	T	R	L	T	R				L	T	R							
2022																													
2023																													
2024																													
2025	69	9	2	54	760	186	1	16	4	109	1534	376	1	16	4	4752	48	86602	69	9	2	4752	48	86602	$ -	$ -	0	0
2026	69	9	2	54	765	187	1	16	4	110	1545	379	1	16	4	4784	48	87191	69	9	2	4784	48	87191	$ -	$ -	0	0
2027	69	9	2	55	770	189	1	16	4	110	1555	381	1	16	4	4816	49	87784	69	9	2	4816	49	87784	$ -	$ -	0	0
2028	69	9	2	55	775	190	1	16	4	111	1566	384	1	16	4	4849	49	88381	73	9	2	5092	51	92800	$ (4,419)	$ (3,679)	-242	-2
2029	69	9	2	55	780	191	1	16	4	112	1576	386	1	16	4	4882	49	88982	73	9	2	5126	52	93431	$ (4,449)	$ (3,593)	-244	-2
2030	69	9	2	56	786	193	1	16	4	113	1587	389	1	16	4	4915	50	89587	73	9	2	5161	52	94067	$ (4,479)	$ (3,509)	-246	-2
2031	69	9	2	56	791	194	1	16	4	113	1598	392	1	16	4	4949	50	90196	6	6	3	2442	25	44500	$ 45,697	$ 34,718	2507	25
2032	69	9	2	57	796	195	1	16	4	114	1609	394	1	16	4	4982	50	90810	6	6	3	2458	25	44802	$ 46,007	$ 33,903	2524	26
2033	69	9	2	57	802	197	1	16	4	115	1620	397	1	16	4	5016	51	91427	6	6	3	2475	25	45107	$ 46,320	$ 33,107	2541	26
2034	69	9	2	57	807	198	1	16	4	116	1631	400	1	16	4	5050	51	92049	6	6	3	2492	25	45414	$ 46,635	$ 32,330	2559	26
2035	69	9	2	58	813	199	1	17	4	117	1642	402	1	17	4	5085	51	92675	6	6	3	2509	25	45723	$ 46,952	$ 31,571	2576	26
2036	69	9	2	58	818	201	1	17	4	117	1653	405	1	17	4	5119	52	93305	6	6	3	2526	26	46033	$ 47,272	$ 30,830	2594	26
2037	69	9	2	58	824	202	1	17	4	118	1664	408	1	17	4	5154	52	93940	6	6	3	2543	26	46347	$ 47,593	$ 30,107	2611	26
2038	69	9	2	59	829	203	1	17	4	119	1675	411	1	17	4	5189	52	94578	6	6	3	2560	26	46662	$ 47,917	$ 29,400	2629	27
2039	69	9	2	59	835	205	1	17	4	120	1687	414	1	17	4	5224	53	95221	6	6	3	2578	26	46979	$ 48,243	$ 28,710	2647	27
2040	69	9	2	60	841	206	1	17	4	121	1698	416	1	17	4	5260	53	95869	6	6	3	2595	26	47298	$ 48,571	$ 28,036	2665	27
2041	69	9	2	60	846	208	1	17	4	121	1710	419	1	17	4	5296	54	96521	6	6	3	2613	26	47620	$ 48,901	$ 27,378	2683	27
2042	69	9	2	60	852	209	1	17	4	122	1722	422	1	17	4	5332	54	97177	6	6	3	2630	27	47944	$ 49,233	$ 26,735	2701	27
2043	69	9	2	61	858	210	1	18	4	123	1733	425	1	18	4	5368	54	97838	6	6	3	2648	27	48270	$ 49,568	$ 26,108	2720	27
2044	69	9	2	61	864	212	1	18	4	124	1745	428	1	18	4	5404	55	98503	6	6	3	2666	27	48598	$ 49,905	$ 25,495	2738	28
2045	69	9	2	62	870	213	1	18	4	125	1757	431	1	18	4	5441	55	99173	6	6	3	2685	27	48929	$ 50,245	$ 24,897	2757	28
2046	69	9	2	62	876	215	1	18	4	126	1769	434	1	18	4	5478	55	99848	6	6	3	2703	27	49261	$ 50,586	$ 24,312	2775	28
2047	69	9	2	63	882	216	1	18	4	126	1781	437	1	18	4	5515	56	100527	6	6	3	2721	27	49596	$ 50,930	$ 23,742	2794	28
2048	69	9	2	63	888	218	1	18	4	127	1793	440	1	18	4	5553	56	101210	6	6	3	2740	28	49934	$ 51,277	$ 23,184	2813	28
2049	69	9	2	63	894	219	1	18	4	128	1805	443	1	18	4	5591	56	101898	6	6	3	2758	28	50273	$ 51,625	$ 22,640	2832	29
2050	69	9	2	64	900	221	1	18	5	129	1817	446	1	18	5	5629	57	102591	6	6	3	2777	28	50615	$ 51,976	$ 22,109	2852	29
2051	69	9	2	64	906	222	1	18	5	130	1830	449	1	18	5	5667	57	103289	6	6	3	2796	28	50959	$ 52,330	$ 21,590	2871	29
2052	69.1	8.9	2.0	64.7	912.0	223.6	1.3	18.6	4.6	130.7	1842.2	451.6	1.3	18.6	4.6	5705.5	57.6	103991.2	5.9	5.8	3.4	2814.9	28.4	51305.7	52685.6	21083.0	2890.6	29.2
Total																									**$ 1,067,120.77**	**$ 591,204.93**		

Hertitage Creek Drive WB - SAT

Growth Rate	0.68%
Build % Reduction in Delay	

	No- Build																		Build										
Year	Delay			Passenger Vehicle Count (VpH)			Commercial Vehicle Count (VpH)			Total Passenger Vehicle Persons (PpH)			Total Commercial Vehicle Persons (PpH)			Total Passenger Annual Hours Delayed	Total Commercial Annual Hours Delayed	Total Time Value of Delay	Delay			Total Annual Passenger Hours Delayed	Total Commercial Hours Delayed	Total Time Value of Delay	Difference in Cost	Discounted Cost Savings	Passenger Hours Saved	Commercial Hours Saved
	L	T	R	L	T	R	L	T	R	L	T	R	L	T	R				L	T	R							
2022																													
2023																													
2024																													
2025	10	39	7	134	1166	115	6	24	0	271	2356	232	6	24	0	20848	213	380062	10	39	7	20848	213	380062	$ -	$ -	0	0
2026	10	39	7	135	1174	116	6	24	0	273	2372	234	6	24	0	20990	215	382647	10	39	7	20990	215	382647	$ -	$ -	0	0
2027	10	39	7	136	1182	117	6	24	0	275	2388	235	6	24	0	21132	216	385249	10	39	7	21132	216	385249	$ -	$ -	0	0
2028	10	39	7	137	1190	117	6	24	0	277	2404	237	6	24	0	21276	218	387869	10	41	7	22340	228	407262	$ (19,393)	$ (16,147)	-1064	-11
2029	10	39	7	138	1198	118	6	24	0	279	2420	239	6	24	0	21421	219	390506	10	41	7	22492	230	410031	$ (19,525)	$ (15,768)	-1071	-11
2030	10	39	7	139	1206	119	6	25	0	281	2437	240	6	25	0	21566	220	393161	10	41	7	22645	232	412820	$ (19,658)	$ (15,398)	-1078	-11
2031	10	39	7	140	1215	120	6	25	0	283	2453	242	6	25	0	21713	222	395835	4	7	4	4378	45	79813	$ 316,022	$ 240,098	17335	177
2032	10	39	7	141	1223	121	6	25	0	285	2470	244	6	25	0	21861	224	398527	4	7	4	4408	45	80356	$ 318,171	$ 234,463	17453	178
2033	10	39	7	142	1231	121	6	25	0	287	2487	245	6	25	0	22009	225	401237	4	7	4	4438	45	80902	$ 320,334	$ 228,959	17572	180
2034	10	39	7	143	1240	122	6	25	0	289	2504	247	6	25	0	22159	227	403965	4	7	4	4468	46	81453	$ 322,512	$ 223,585	17691	181
2035	10	39	7	144	1248	123	6	25	0	291	2521	249	6	25	0	22310	228	406712	4	7	4	4498	46	82006	$ 324,706	$ 218,337	17811	182
2036	10	39	7	145	1256	124	6	26	0	293	2538	250	6	26	0	22461	230	409478	4	7	4	4529	46	82564	$ 326,914	$ 213,212	17933	183
2037	10	39	7	146	1265	125	6	26	0	294	2555	252	6	26	0	22614	231	412262	4	7	4	4560	47	83126	$ 329,137	$ 208,207	18054	185
2038	10	39	7	147	1274	126	6	26	0	296	2573	254	6	26	0	22768	233	415065	4	7	4	4591	47	83691	$ 331,375	$ 203,320	18177	186
2039	10	39	7	148	1282	126	6	26	0	299	2590	255	6	26	0	22923	234	417888	4	7	4	4622	47	84260	$ 333,628	$ 198,548	18301	187
2040	10	39	7	149	1291	127	6	26	0	301	2608	257	6	26	0	23079	236	420730	4	7	4	4653	48	84833	$ 335,897	$ 193,887	18425	188
2041	10	39	7	150	1300	128	6	27	0	303	2626	259	6	27	0	23236	238	423591	4	7	4	4685	48	85410	$ 338,181	$ 189,336	18551	190
2042	10	39	7	151	1309	129	6	27	0	305	2643	261	6	27	0	23394	239	426471	4	7	4	4717	48	85991	$ 340,480	$ 184,892	18677	191
2043	10	39	7	152	1318	130	6	27	0	307	2661	262	6	27	0	23553	241	429371	4	7	4	4749	49	86575	$ 342,796	$ 180,552	18804	192
2044	10	39	7	153	1326	131	6	27	0	309	2679	264	6	27	0	23713	242	432291	4	7	4	4781	49	87164	$ 345,127	$ 176,314	18932	194
2045	10	39	7	154	1335	132	6	27	0	311	2698	266	6	27	0	23874	244	435230	4	7	4	4814	49	87757	$ 347,474	$ 172,176	19060	195
2046	10	39	7	155	1345	133	6	27	0	313	2716	268	6	27	0	24036	246	438190	4	7	4	4846	50	88353	$ 349,836	$ 168,135	19190	196
2047	10	39	7	156	1354	133	7	28	0	315	2734	270	7	28	0	24200	247	441169	4	7	4	4879	50	88954	$ 352,215	$ 164,188	19320	197
2048	10	39	7	157	1363	134	7	28	0	317	2753	271	7	28	0	24364	249	444169	4	7	4	4913	50	89559	$ 354,610	$ 160,334	19452	199
2049	10	39	7	158	1372	135	7	28	0	319	2772	273	7	28	0	24530	251	447190	4	7	4	4946	51	90168	$ 357,022	$ 156,571	19584	200
2050	10	39	7	159	1382	136	7	28	0	322	2791	275	7	28	0	24697	253	450231	4	7	4	4980	51	90781	$ 359,449	$ 152,896	19717	202
2051	10	39	7	160	1391	137	7	28	0	324	2810	277	7	28	0	24865	254	453292	4	7	4	5013	51	91399	$ 361,894	$ 149,307	19851	203
2052	9.5	39.1	6.6	161.4	1400.4	138.1	6.7	28.6	0.0	326.0	2828.7	278.9	6.7	28.6	0.0	25033.9	256.0	456374.6	4.0	7.4	3.8	5047.6	51.6	92020.1	364354.6	145802.3	19986.3	204.3
Total																									**$ 7,413,555.40**	**$ 4,115,806.32**		

Hertitage Creek Drive NB - SAT

Growth Rate	0.68%
Build % Reduction in Delay	

	No- Build																		Build										
Year	Delay			Passenger Vehicle Count (VpH)			Commercial Vehicle Count (VpH)			Total Passenger Vehicle Persons (PpH)			Total Commercial Vehicle Persons (PpH)			Total Passenger Annual Hours Delayed	Total Commercial Annual Hours Delayed	Total Time Value of Delay	Delay			Total Annual Passenger Hours Delayed	Total Commercial Hours Delayed	Total Time Value of Delay	Difference in Cost	Discounted Cost Savings	Passenger Hours Saved	Commercial Hours Saved
	L	T	R	L	T	R	L	T	R	L	T	R	L	T	R				L	T	R							
2022																													
2023																													
2024																													
2025	130	57	49	152	10	115	3	0	0	307	20	232	3	0	0	11367	88	206302	130	57	49	11367	88	206302	$ -	$ -	0	0
2026	130	57	49	153	10	116	3	0	0	309	20	234	3	0	0	11445	88	207705	130	57	49	11445	88	207705	$ -	$ -	0	0
2027	130	57	49	154	10	117	3	0	0	311	20	235	3	0	0	11522	89	209117	130	57	49	11522	89	209117	$ -	$ -	0	0
2028	130	57	49	155	10	117	3	0	0	313	21	237	3	0	0	11601	89	210539	137	60	51	12181	94	221066	$ (10,527)	$ (8,765)	-580	-4
2029	130	57	49	156	10	118	3	0	0	315	21	239	3	0	0	11680	90	211971	137	60	51	12264	94	222569	$ (10,599)	$ (8,559)	-584	-4
2030	130	57	49	157	10	119	3	0	0	317	21	240	3	0	0	11759	91	213412	137	60	51	12347	95	224083	$ (10,671)	$ (8,358)	-588	-5
2031	130	57	49	158	10	120	3	0	0	320	21	242	3	0	0	11839	91	214864	39	42	33	4587	27	82982	$ 131,882	$ 100,197	7252	64
2032	130	57	49	159	10	121	3	0	0	322	21	244	3	0	0	11920	92	216325	39	42	33	4618	27	83546	$ 132,778	$ 97,845	7301	64
2033	130	57	49	160	11	121	3	0	0	324	21	245	3	0	0	12001	92	217796	39	42	33	4649	28	84114	$ 133,681	$ 95,549	7351	65
2034	130	57	49	161	11	122	3	0	0	326	21	247	3	0	0	12082	93	219277	39	42	33	4681	28	84686	$ 134,590	$ 93,306	7401	65
2035	130	57	49	163	11	123	3	0	0	328	22	249	3	0	0	12164	94	220768	39	42	33	4713	28	85262	$ 135,505	$ 91,116	7451	66
2036	130	57	49	164	11	124	3	0	0	331	22	250	3	0	0	12247	94	222269	39	42	33	4745	28	85842	$ 136,427	$ 88,977	7502	66
2037	130	57	49	165	11	125	3	0	0	333	22	252	3	0	0	12330	95	223780	39	42	33	4777	28	86426	$ 137,355	$ 86,889	7553	67
2038	130	57	49	166	11	126	3	0	0	335	22	254	3	0	0	12414	96	225302	39	42	33	4810	28	87013	$ 138,289	$ 84,849	7605	67
2039	130	57	49	167	11	126	3	0	0	337	22	255	3	0	0	12499	96	226834	39	42	33	4842	29	87605	$ 139,229	$ 82,858	7656	68
2040	130	57	49	168	11	127	3	0	0	340	22	257	3	0	0	12584	97	228377	39	42	33	4875	29	88201	$ 140,176	$ 80,913	7708	68
2041	130	57	49	169	11	128	3	0	0	342	23	259	3	0	0	12669	98	229930	39	42	33	4909	29	88801	$ 141,129	$ 79,014	7761	68
2042	130	57	49	170	11	129	3	0	0	344	23	261	3	0	0	12755	98	231493	39	42	33	4942	29	89404	$ 142,089	$ 77,159	7813	69
2043	130	57	49	172	11	130	4	0	0	347	23	262	4	0	0	12842	99	233067	39	42	33	4975	29	90012	$ 143,055	$ 75,348	7867	69
2044	130	57	49	173	11	131	4	0	0	349	23	264	4	0	0	12929	100	234652	39	42	33	5009	30	90624	$ 144,028	$ 73,579	7920	70
2045	130	57	49	174	11	132	4	0	0	351	23	266	4	0	0	13017	100	236248	39	42	33	5043	30	91241	$ 145,007	$ 71,852	7974	70
2046	130	57	49	175	12	133	4	0	0	354	23	268	4	0	0	13106	101	237854	39	42	33	5078	30	91861	$ 145,993	$ 70,166	8028	71
2047	130	57	49	176	12	133	4	0	0	356	23	270	4	0	0	13195	102	239472	39	42	33	5112	30	92486	$ 146,986	$ 68,519	8083	71
2048	130	57	49	178	12	134	4	0	0	359	24	271	4	0	0	13285	102	241100	39	42	33	5147	30	93115	$ 147,985	$ 66,910	8138	72
2049	130	57	49	179	12	135	4	0	0	361	24	273	4	0	0	13375	103	242739	39	42	33	5182	31	93748	$ 148,992	$ 65,340	8193	72
2050	130	57	49	180	12	136	4	0	0	363	24	275	4	0	0	13466	104	244390	39	42	33	5217	31	94385	$ 150,005	$ 63,806	8249	73
2051	130	57	49	181	12	137	4	0	0	366	24	277	4	0	0	13558	104	246052	39	42	33	5253	31	95027	$ 151,025	$ 62,308	8305	73
2052	130.3	56.8	48.8	182.4	12.0	138.1	3.7	0.0	0.0	368.4	24.3	278.9	3.7	0.0	0.0	13649.8	105.1	247725.1	38.8	42.0	32.6	5288.4	31.3	95673.4	152051.7	60845.9	8361.3	73.8
Total																									**$ 3,086,459.57**	**$ 1,711,662.73**		

Hertitage Creek Drive SB - SAT

Growth Rate	0.68%
Build % Reduction in Delay	

	No- Build																		Build										
Year	Delay			Passenger Vehicle Count (VpH)			Commercial Vehicle Count (VpH)			Total Passenger Vehicle Persons (PpH)			Total Commercial Vehicle Persons (PpH)			Total Passenger Annual Hours Delayed	Total Commercial Annual Hours Delayed	Total Time Value of Delay	Delay			Total Annual Passenger Hours Delayed	Total Commercial Hours Delayed	Total Time Value of Delay	Difference in Cost	Discounted Cost Savings	Passenger Hours Saved	Commercial Hours Saved
	L	T	R	L	T	R	L	T	R	L	T	R	L	T	R				L	T	R							
2022																													
2023																													
2024																													
2025	97	57	50	139	10	49	1	0	2	280	20	98	1	0	2	7153	45	129505	97	57	50	7153	45	129505	$ -	$ -	0	0
2026	97	57	50	140	10	49	1	0	2	282	20	99	1	0	2	7202	46	130386	97	57	50	7202	46	130386	$ -	$ -	0	0
2027	97	57	50	140	10	49	1	0	2	284	20	99	1	0	2	7251	46	131272	97	57	50	7251	46	131272	$ -	$ -	0	0
2028	97	57	50	141	10	49	1	0	2	286	21	100	1	0	2	7300	46	132165	101	60	52	7665	49	138773	$ (6,608)	$ (5,502)	-365	-2
2029	97	57	50	142	10	50	1	0	2	288	21	101	1	0	2	7350	47	133064	101	60	52	7717	49	139717	$ (6,653)	$ (5,373)	-367	-2
2030	97	57	50	143	10	50	1	0	2	290	21	101	1	0	2	7400	47	133969	101	60	52	7770	49	140667	$ (6,698)	$ (5,247)	-370	-2
2031	97	57	50	144	10	51	1	0	2	292	21	102	1	0	2	7450	47	134880	44	44	36	3786	26	68617	$ 66,262	$ 50,343	3664	21
2032	97	57	50	145	10	51	1	0	2	294	21	103	1	0	2	7501	48	135797	44	44	36	3812	26	69084	$ 66,713	$ 49,161	3689	21
2033	97	57	50	146	11	51	1	0	2	296	21	103	1	0	2	7552	48	136720	44	44	36	3838	27	69554	$ 67,167	$ 48,007	3714	21
2034	97	57	50	147	11	52	1	0	2	298	21	104	1	0	2	7603	48	137650	44	44	36	3864	27	70027	$ 67,623	$ 46,881	3739	22
2035	97	57	50	148	11	52	1	0	2	300	22	105	1	0	2	7655	49	138586	44	44	36	3890	27	70503	$ 68,083	$ 45,780	3764	22
2036	97	57	50	149	11	52	2	0	2	302	22	106	2	0	2	7707	49	139528	44	44	36	3917	27	70982	$ 68,546	$ 44,706	3790	22
2037	97	57	50	150	11	53	2	0	2	304	22	106	2	0	2	7759	49	140477	44	44	36	3943	27	71465	$ 69,012	$ 43,656	3816	22
2038	97	57	50	151	11	53	2	0	2	306	22	107	2	0	2	7812	50	141432	44	44	36	3970	27	71951	$ 69,482	$ 42,631	3842	22
2039	97	57	50	152	11	53	2	0	2	308	22	108	2	0	2	7865	50	142394	44	44	36	3997	28	72440	$ 69,954	$ 41,631	3868	22
2040	97	57	50	153	11	54	2	0	2	310	22	108	2	0	2	7918	50	143362	44	44	36	4024	28	72933	$ 70,430	$ 40,654	3894	22
2041	97	57	50	154	11	54	2	0	2	312	23	109	2	0	2	7972	51	144337	44	44	36	4052	28	73429	$ 70,909	$ 39,699	3921	23
2042	97	57	50	156	11	54	2	0	2	314	23	110	2	0	2	8027	51	145319	44	44	36	4079	28	73928	$ 71,391	$ 38,768	3947	23
2043	97	57	50	157	11	55	2	0	2	316	23	111	2	0	2	8081	51	146307	44	44	36	4107	28	74431	$ 71,876	$ 37,858	3974	23
2044	97	57	50	158	11	55	2	0	2	318	23	111	2	0	2	8136	52	147302	44	44	36	4135	29	74937	$ 72,365	$ 36,969	4001	23
2045	97	57	50	159	11	56	2	0	2	321	23	112	2	0	2	8191	52	148303	44	44	36	4163	29	75446	$ 72,857	$ 36,101	4028	23
2046	97	57	50	160	12	56	2	0	2	323	23	113	2	0	2	8247	52	149312	44	44	36	4191	29	75959	$ 73,352	$ 35,254	4056	23
2047	97	57	50	161	12	56	2	0	2	325	23	114	2	0	2	8303	53	150327	44	44	36	4220	29	76476	$ 73,851	$ 34,426	4083	24
2048	97	57	50	162	12	57	2	0	2	327	24	114	2	0	2	8360	53	151349	44	44	36	4248	29	76996	$ 74,353	$ 33,618	4111	24
2049	97	57	50	163	12	57	2	0	2	329	24	115	2	0	2	8416	53	152379	44	44	36	4277	30	77519	$ 74,859	$ 32,829	4139	24
2050	97	57	50	164	12	57	2	0	2	332	24	116	2	0	2	8474	54	153415	44	44	36	4306	30	78047	$ 75,368	$ 32,059	4167	24
2051	97	57	50	165	12	58	2	0	2	334	24	117	2	0	2	8531	54	154458	44	44	36	4336	30	78577	$ 75,881	$ 31,306	4196	24
2052	96.5	56.8	49.5	166.4	12.0	58.2	1.7	0.0	1.8	336.2	24.3	117.6	1.7	0.0	1.8	8589.3	54.5	155508.2	44.1	44.3	36.1	4365.2	30.2	79111.6	76396.6	30571.3	4224.1	24.3
Total																									**$ 1,546,771.16**	**$ 856,786.67**		

Beaver Street Ext EB - AM

Growth Rate	0.68%
Build % Reduction in Delay	

	No- Build																		Build										
Year	Delay			Passenger Vehicle Count (VpH)			Commercial Vehicle Count (VpH)			Total Passenger Vehicle Persons (PpH)			Total Commercial Vehicle Persons (PpH)			Total Passenger Annual Hours Delayed	Total Commercial Annual Hours Delayed	Total Time Value of Delay	Delay			Total Annual Passenger Hours Delayed	Total Commercial Hours Delayed	Total Time Value of Delay	Difference in Cost	Discounted Cost Savings	Passenger Hours Saved	Commercial Hours Saved
	L	T	R	L	T	R	L	T	R	L	T	R	L	T	R				L	T	R							
2022																													
2023																													
2024																													
2025	1	1	1	105	814	0	0	101	0	155	1205	0	0	101	0	383	28	7776	1	1	1	383	28	7776	$ -	$ -	0	0
2026	1	1	1	106	820	0	0	101	0	156	1213	0	0	101	0	386	29	7829	1	1	1	386	29	7829	$ -	$ -	0	0
2027	1	1	1	106	825	0	0	102	0	158	1222	0	0	102	0	388	29	7882	1	1	1	388	29	7882	$ -	$ -	0	0
2028	1	1	1	107	831	0	0	103	0	159	1230	0	0	103	0	391	29	7936	1	1	1	411	30	8332	$ (397)	$ (330)	-20	-1
2029	1	1	1	108	837	0	0	103	0	160	1238	0	0	103	0	394	29	7989	1	1	1	413	31	8389	$ (399)	$ (323)	-20	-1
2030	1	1	1	109	842	0	0	104	0	161	1247	0	0	104	0	396	29	8044	1	1	1	416	31	8446	$ (402)	$ (315)	-20	-1
2031	1	1	1	109	848	0	0	105	0	162	1255	0	0	105	0	399	30	8099	8	8	8	2487	184	50460	$ (42,361)	$ (32,184)	-2088	-154
2032	1	1	1	110	854	0	0	106	0	163	1264	0	0	106	0	402	30	8154	8	8	8	2504	185	50803	$ (42,649)	$ (31,429)	-2102	-155
2033	1	1	1	111	860	0	0	106	0	164	1272	0	0	106	0	405	30	8209	8	8	8	2521	186	51148	$ (42,939)	$ (30,691)	-2116	-157
2034	1	1	1	112	866	0	0	107	0	165	1281	0	0	107	0	407	30	8265	8	8	8	2538	188	51496	$ (43,231)	$ (29,971)	-2131	-158
2035	1	1	1	112	871	0	0	108	0	166	1290	0	0	108	0	410	30	8321	8	8	8	2555	189	51846	$ (43,525)	$ (29,267)	-2145	-159
2036	1	1	1	113	877	0	0	108	0	167	1299	0	0	108	0	413	31	8378	8	8	8	2573	190	52199	$ (43,821)	$ (28,580)	-2160	-160
2037	1	1	1	114	883	0	0	109	0	169	1307	0	0	109	0	416	31	8435	8	8	8	2590	192	52554	$ (44,119)	$ (27,909)	-2175	-161
2038	1	1	1	115	889	0	0	110	0	170	1316	0	0	110	0	419	31	8492	8	8	8	2608	193	52911	$ (44,419)	$ (27,254)	-2189	-162
2039	1	1	1	115	895	0	0	111	0	171	1325	0	0	111	0	421	31	8550	8	8	8	2626	194	53271	$ (44,721)	$ (26,615)	-2204	-163
2040	1	1	1	116	901	0	0	111	0	172	1334	0	0	111	0	424	31	8608	8	8	8	2643	196	53633	$ (45,026)	$ (25,990)	-2219	-164
2041	1	1	1	117	908	0	0	112	0	173	1343	0	0	112	0	427	32	8666	8	8	8	2661	197	53998	$ (45,332)	$ (25,380)	-2234	-165
2042	1	1	1	118	914	0	0	113	0	174	1352	0	0	113	0	430	32	8725	8	8	8	2680	198	54365	$ (45,640)	$ (24,784)	-2249	-166
2043	1	1	1	119	920	0	0	114	0	176	1362	0	0	114	0	433	32	8785	8	8	8	2698	200	54735	$ (45,950)	$ (24,202)	-2265	-168
2044	1	1	1	119	926	0	0	114	0	177	1371	0	0	114	0	436	32	8844	8	8	8	2716	201	55107	$ (46,263)	$ (23,634)	-2280	-169
2045	1	1	1	120	933	0	0	115	0	178	1380	0	0	115	0	439	32	8905	8	8	8	2735	202	55482	$ (46,577)	$ (23,079)	-2296	-170
2046	1	1	1	121	939	0	0	116	0	179	1390	0	0	116	0	442	33	8965	8	8	8	2753	204	55859	$ (46,894)	$ (22,538)	-2311	-171
2047	1	1	1	122	945	0	0	117	0	180	1399	0	0	117	0	445	33	9026	8	8	8	2772	205	56239	$ (47,213)	$ (22,009)	-2327	-172
2048	1	1	1	123	952	0	0	118	0	182	1409	0	0	118	0	448	33	9087	8	8	8	2791	206	56621	$ (47,534)	$ (21,492)	-2343	-173
2049	1	1	1	124	958	0	0	118	0	183	1418	0	0	118	0	451	33	9149	8	8	8	2810	208	57006	$ (47,857)	$ (20,988)	-2359	-174
2050	1	1	1	124	965	0	0	119	0	184	1428	0	0	119	0	454	34	9211	8	8	8	2829	209	57394	$ (48,183)	$ (20,495)	-2375	-176
2051	1	1	1	125	971	0	0	120	0	185	1437	0	0	120	0	457	34	9274	8	8	8	2848	211	57784	$ (48,510)	$ (20,014)	-2391	-177
2052	1.3	1.3	1.3	126.1	977.9	0.0	0.0	120.9	0.0	186.6	1447.2	0.0	0.0	120.9	0.0	460.2	34.0	9337.1	8.1	8.1	8.1	2867.4	212.1	58177.3	-48840.2	-19544.2	-2407.2	-178.1
Total																									**$ (1,002,806.85)**	**$ (559,017.08)**		

Beaver Street Ext WB - AM

Growth Rate	0.68%
Build % Reduction in Delay	

	No- Build																		Build									
Year	Delay			Passenger Vehicle Count (VpH)			Commercial Vehicle Count (VpH)			Total Passenger Vehicle Persons (PpH)			Total Commercial Vehicle Persons (PpH)			Total Passenger Annual Hours Delayed	Total Commercial Annual Hours Delayed	Total Time Value of Delay	Delay			Total Annual Passenger Hours Delayed	Total Commercial Hours Delayed	Total Time Value of Delay	Difference in Cost	Discounted Cost Savings	Passenger Hours Saved	Commercial Hours Saved
	L	T	R	L	T	R	L	T	R	L	T	R	L	T	R				L	T	R							
2022																												
2023																												
2024																												
2025	0	0	0	0	1063	0	0	92	0	0	1573	0	0	92	0	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2026	0	0	0	0	1070	0	0	93	0	0	1583	0	0	93	0	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2027	0	0	0	0	1077	0	0	94	0	0	1594	0	0	94	0	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2028	0	0	0	0	1084	0	0	94	0	0	1605	0	0	94	0	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2029	0	0	0	0	1092	0	0	95	0	0	1616	0	0	95	0	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2030	0	0	0	0	1099	0	0	96	0	0	1627	0	0	96	0	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2031	0	0	0	0	1107	0	0	96	0	0	1638	0	0	96	0	0	0	0	17	17	17	6104	359	120845	$ (120,845)	$ (91,812)	-6104	-359
2032	0	0	0	0	1114	0	0	97	0	0	1649	0	0	97	0	0	0	0	17	17	17	6145	361	121666	$ (121,666)	$ (89,657)	-6145	-361
2033	0	0	0	0	1122	0	0	98	0	0	1660	0	0	98	0	0	0	0	17	17	17	6187	364	122494	$ (122,494)	$ (87,553)	-6187	-364
2034	0	0	0	0	1129	0	0	98	0	0	1672	0	0	98	0	0	0	0	17	17	17	6229	366	123327	$ (123,327)	$ (85,497)	-6229	-366
2035	0	0	0	0	1137	0	0	99	0	0	1683	0	0	99	0	0	0	0	17	17	17	6272	368	124165	$ (124,165)	$ (83,491)	-6272	-368
2036	0	0	0	0	1145	0	0	100	0	0	1694	0	0	100	0	0	0	0	17	17	17	6314	371	125010	$ (125,010)	$ (81,531)	-6314	-371
2037	0	0	0	0	1153	0	0	100	0	0	1706	0	0	100	0	0	0	0	17	17	17	6357	374	125860	$ (125,860)	$ (79,617)	-6357	-374
2038	0	0	0	0	1160	0	0	101	0	0	1717	0	0	101	0	0	0	0	17	17	17	6400	376	126716	$ (126,716)	$ (77,748)	-6400	-376
2039	0	0	0	0	1168	0	0	102	0	0	1729	0	0	102	0	0	0	0	17	17	17	6444	379	127577	$ (127,577)	$ (75,923)	-6444	-379
2040	0	0	0	0	1176	0	0	102	0	0	1741	0	0	102	0	0	0	0	17	17	17	6488	381	128445	$ (128,445)	$ (74,141)	-6488	-381
2041	0	0	0	0	1184	0	0	103	0	0	1753	0	0	103	0	0	0	0	17	17	17	6532	384	129318	$ (129,318)	$ (72,401)	-6532	-384
2042	0	0	0	0	1192	0	0	104	0	0	1765	0	0	104	0	0	0	0	17	17	17	6576	386	130198	$ (130,198)	$ (70,702)	-6576	-386
2043	0	0	0	0	1200	0	0	104	0	0	1777	0	0	104	0	0	0	0	17	17	17	6621	389	131083	$ (131,083)	$ (69,042)	-6621	-389
2044	0	0	0	0	1209	0	0	105	0	0	1789	0	0	105	0	0	0	0	17	17	17	6666	392	131974	$ (131,974)	$ (67,422)	-6666	-392
2045	0	0	0	0	1217	0	0	106	0	0	1801	0	0	106	0	0	0	0	17	17	17	6711	394	132872	$ (132,872)	$ (65,839)	-6711	-394
2046	0	0	0	0	1225	0	0	107	0	0	1813	0	0	107	0	0	0	0	17	17	17	6757	397	133775	$ (133,775)	$ (64,294)	-6757	-397
2047	0	0	0	0	1233	0	0	107	0	0	1826	0	0	107	0	0	0	0	17	17	17	6803	400	134685	$ (134,685)	$ (62,784)	-6803	-400
2048	0	0	0	0	1242	0	0	108	0	0	1838	0	0	108	0	0	0	0	17	17	17	6849	402	135601	$ (135,601)	$ (61,311)	-6849	-402
2049	0	0	0	0	1250	0	0	109	0	0	1850	0	0	109	0	0	0	0	17	17	17	6896	405	136523	$ (136,523)	$ (59,872)	-6896	-405
2050	0	0	0	0	1259	0	0	109	0	0	1863	0	0	109	0	0	0	0	17	17	17	6943	408	137451	$ (137,451)	$ (58,466)	-6943	-408
2051	0	0	0	0	1267	0	0	110	0	0	1876	0	0	110	0	0	0	0	17	17	17	6990	411	138386	$ (138,386)	$ (57,094)	-6990	-411
2052	0.0	0.0	0.0	0.0	1276.0	0.0	0.0	111.0	0.0	0.0	1888.4	0.0	0.0	111.0	0.0	0.0	0.0	0.0	17.2	17.2	17.2	7037.5	413.5	139326.9	-139326.9	-55753.9	-7037.5	-413.5
Total																									**$ (2,857,295.95)**	**$ (1,591,950.82)**		

Beaver Street Ext NB - AM

Growth Rate	0.68%
Build % Reduction in Delay	

	No- Build																		Build										
Year	Delay			Passenger Vehicle Count (VpH)			Commercial Vehicle Count (VpH)			Total Passenger Vehicle Persons (PpH)			Total Commercial Vehicle Persons (PpH)			Total Passenger Annual Hours Delayed	Total Commercial Annual Hours Delayed	Total Time Value of Delay	Delay			Total Annual Passenger Hours Delayed	Total Commercial Hours Delayed	Total Time Value of Delay	Difference in Cost	Discounted Cost Savings	Passenger Hours Saved	Commercial Hours Saved
	L	T	R	L	T	R	L	T	R	L	T	R	L	T	R				L	T	R							
2022																													
2023																													
2024																													
2025	53	53	53	5	165	0	0	0	0	7	244	0	0	0	0	2906	0	52010	53	53	53	2906	0	52010	$ -	$ -	0	0
2026	53	53	53	5	166	0	0	0	0	7	246	0	0	0	0	2925	0	52363	53	53	53	2925	0	52363	$ -	$ -	0	0
2027	53	53	53	5	167	0	0	0	0	8	248	0	0	0	0	2945	0	52719	53	53	53	2945	0	52719	$ -	$ -	0	0
2028	53	53	53	5	168	0	0	0	0	8	249	0	0	0	0	2965	0	53078	56	56	56	3113	0	55732	$ (2,654)	$ (2,210)	-148	0
2029	53	53	53	5	170	0	0	0	0	8	251	0	0	0	0	2985	0	53439	56	56	56	3135	0	56111	$ (2,672)	$ (2,158)	-149	0
2030	53	53	53	5	171	0	0	0	0	8	253	0	0	0	0	3006	0	53802	56	56	56	3156	0	56492	$ (2,690)	$ (2,107)	-150	0
2031	53	53	53	5	172	0	0	0	0	8	254	0	0	0	0	3026	0	54168	42	42	42	2396	0	42887	$ 11,281	$ 8,571	630	0
2032	53	53	53	5	173	0	0	0	0	8	256	0	0	0	0	3047	0	54536	42	42	42	2412	0	43179	$ 11,357	$ 8,369	634	0
2033	53	53	53	5	174	0	0	0	0	8	258	0	0	0	0	3067	0	54907	42	42	42	2429	0	43472	$ 11,435	$ 8,173	639	0
2034	53	53	53	5	175	0	0	0	0	8	260	0	0	0	0	3088	0	55280	42	42	42	2445	0	43768	$ 11,512	$ 7,981	643	0
2035	53	53	53	5	177	0	0	0	0	8	261	0	0	0	0	3109	0	55656	42	42	42	2462	0	44066	$ 11,591	$ 7,794	648	0
2036	53	53	53	5	178	0	0	0	0	8	263	0	0	0	0	3130	0	56035	42	42	42	2479	0	44365	$ 11,670	$ 7,611	652	0
2037	53	53	53	5	179	0	0	0	0	8	265	0	0	0	0	3152	0	56416	42	42	42	2495	0	44667	$ 11,749	$ 7,432	656	0
2038	53	53	53	5	180	0	0	0	0	8	267	0	0	0	0	3173	0	56800	42	42	42	2512	0	44971	$ 11,829	$ 7,258	661	0
2039	53	53	53	5	181	0	0	0	0	8	269	0	0	0	0	3195	0	57186	42	42	42	2529	0	45277	$ 11,909	$ 7,087	665	0
2040	53	53	53	6	183	0	0	0	0	8	270	0	0	0	0	3216	0	57575	42	42	42	2547	0	45584	$ 11,990	$ 6,921	670	0
2041	53	53	53	6	184	0	0	0	0	8	272	0	0	0	0	3238	0	57966	42	42	42	2564	0	45894	$ 12,072	$ 6,759	674	0
2042	53	53	53	6	185	0	0	0	0	8	274	0	0	0	0	3260	0	58360	42	42	42	2581	0	46206	$ 12,154	$ 6,600	679	0
2043	53	53	53	6	186	0	0	0	0	8	276	0	0	0	0	3283	0	58757	42	42	42	2599	0	46521	$ 12,236	$ 6,445	684	0
2044	53	53	53	6	188	0	0	0	0	8	278	0	0	0	0	3305	0	59157	42	42	42	2617	0	46837	$ 12,320	$ 6,294	688	0
2045	53	53	53	6	189	0	0	0	0	8	280	0	0	0	0	3327	0	59559	42	42	42	2634	0	47156	$ 12,403	$ 6,146	693	0
2046	53	53	53	6	190	0	0	0	0	9	282	0	0	0	0	3350	0	59964	42	42	42	2652	0	47476	$ 12,488	$ 6,002	698	0
2047	53	53	53	6	192	0	0	0	0	9	283	0	0	0	0	3373	0	60372	42	42	42	2670	0	47799	$ 12,573	$ 5,861	702	0
2048	53	53	53	6	193	0	0	0	0	9	285	0	0	0	0	3396	0	60782	42	42	42	2688	0	48124	$ 12,658	$ 5,723	707	0
2049	53	53	53	6	194	0	0	0	0	9	287	0	0	0	0	3419	0	61196	42	42	42	2707	0	48451	$ 12,744	$ 5,589	712	0
2050	53	53	53	6	195	0	0	0	0	9	289	0	0	0	0	3442	0	61612	42	42	42	2725	0	48781	$ 12,831	$ 5,458	717	0
2051	53	53	53	6	197	0	0	0	0	9	291	0	0	0	0	3465	0	62031	42	42	42	2744	0	49112	$ 12,918	$ 5,330	722	0
2052	53.3	53.3	53.3	6.0	198.1	0.0	0.0	0.0	0.0	8.9	293.2	0.0	0.0	0.0	0.0	3489.0	0.0	62452.5	42.2	42.2	42.2	2762.4	0.0	49446.4	13006.0	5204.6	726.6	0.0
Total																									**$ 258,710.28**	**$ 142,132.61**		

Beaver Street Ext EB - PM

Growth Rate	0.68%
Build % Reduction in Delay	

	No- Build																		Build										
Year	Delay			Passenger Vehicle Count (VpH)			Commercial Vehicle Count (VpH)			Total Passenger Vehicle Persons (PpH)			Total Commercial Vehicle Persons (PpH)			Total Passenger Annual Hours Delayed	Total Commercial Annual Hours Delayed	Total Time Value of Delay	Delay			Total Annual Passenger Hours Delayed	Total Commercial Hours Delayed	Total Time Value of Delay	Difference in Cost	Discounted Cost Savings	Passenger Hours Saved	Commercial Hours Saved
	L	T	R	L	T	R	L	T	R	L	T	R	L	T	R				L	T	R							
2022																													
2023																													
2024																													
2025	5	5	5	335	1161	0	0	25	0	496	1719	0	0	25	0	2255	25	41173	5	5	5	2255	25	41173	$ -	$ -	0	0
2026	5	5	5	337	1169	0	0	25	0	499	1730	0	0	25	0	2270	25	41453	5	5	5	2270	25	41453	$ -	$ -	0	0
2027	5	5	5	340	1177	0	0	25	0	503	1742	0	0	25	0	2286	25	41734	5	5	5	2286	25	41734	$ -	$ -	0	0
2028	5	5	5	342	1185	0	0	25	0	506	1754	0	0	25	0	2301	25	42018	5	5	5	2417	27	44119	$ (2,101)	$ (1,749)	-115	-1
2029	5	5	5	344	1193	0	0	25	0	509	1766	0	0	25	0	2317	26	42304	5	5	5	2433	27	44419	$ (2,115)	$ (1,708)	-116	-1
2030	5	5	5	347	1201	0	0	25	0	513	1778	0	0	25	0	2333	26	42592	5	5	5	2449	27	44721	$ (2,130)	$ (1,668)	-117	-1
2031	5	5	5	349	1209	0	0	26	0	516	1790	0	0	26	0	2349	26	42881	14	14	14	7046	78	128644	$ (85,762)	$ (65,158)	-4697	-52
2032	5	5	5	351	1218	0	0	26	0	520	1802	0	0	26	0	2365	26	43173	14	14	14	7094	78	129518	$ (86,346)	$ (63,629)	-4729	-52
2033	5	5	5	354	1226	0	0	26	0	523	1814	0	0	26	0	2381	26	43466	14	14	14	7142	79	130399	$ (86,933)	$ (62,135)	-4762	-53
2034	5	5	5	356	1234	0	0	26	0	527	1827	0	0	26	0	2397	27	43762	14	14	14	7191	80	131286	$ (87,524)	$ (60,677)	-4794	-53
2035	5	5	5	358	1243	0	0	26	0	531	1839	0	0	26	0	2413	27	44060	14	14	14	7240	80	132179	$ (88,119)	$ (59,253)	-4827	-53
2036	5	5	5	361	1251	0	0	26	0	534	1852	0	0	26	0	2430	27	44359	14	14	14	7289	81	133077	$ (88,718)	$ (57,862)	-4859	-54
2037	5	5	5	363	1260	0	0	27	0	538	1864	0	0	27	0	2446	27	44661	14	14	14	7339	81	133982	$ (89,322)	$ (56,504)	-4892	-54
2038	5	5	5	366	1268	0	0	27	0	541	1877	0	0	27	0	2463	27	44964	14	14	14	7388	82	134893	$ (89,929)	$ (55,177)	-4926	-54
2039	5	5	5	368	1277	0	0	27	0	545	1890	0	0	27	0	2480	27	45270	14	14	14	7439	82	135811	$ (90,540)	$ (53,882)	-4959	-55
2040	5	5	5	371	1286	0	0	27	0	549	1903	0	0	27	0	2496	28	45578	14	14	14	7489	83	136734	$ (91,156)	$ (52,617)	-4993	-55
2041	5	5	5	373	1294	0	0	27	0	553	1916	0	0	27	0	2513	28	45888	14	14	14	7540	83	137664	$ (91,776)	$ (51,382)	-5027	-56
2042	5	5	5	376	1303	0	0	27	0	556	1929	0	0	27	0	2530	28	46200	14	14	14	7591	84	138600	$ (92,400)	$ (50,176)	-5061	-56
2043	5	5	5	378	1312	0	0	28	0	560	1942	0	0	28	0	2548	28	46514	14	14	14	7643	85	139543	$ (93,028)	$ (48,999)	-5095	-56
2044	5	5	5	381	1321	0	0	28	0	564	1955	0	0	28	0	2565	28	46831	14	14	14	7695	85	140492	$ (93,661)	$ (47,848)	-5130	-57
2045	5	5	5	384	1330	0	0	28	0	568	1968	0	0	28	0	2582	29	47149	14	14	14	7747	86	141447	$ (94,298)	$ (46,725)	-5165	-57
2046	5	5	5	386	1339	0	0	28	0	572	1982	0	0	28	0	2600	29	47470	14	14	14	7800	86	142409	$ (94,939)	$ (45,629)	-5200	-58
2047	5	5	5	389	1348	0	0	28	0	576	1995	0	0	28	0	2618	29	47792	14	14	14	7853	87	143377	$ (95,585)	$ (44,558)	-5235	-58
2048	5	5	5	392	1357	0	0	29	0	579	2009	0	0	29	0	2636	29	48117	14	14	14	7907	87	144352	$ (96,235)	$ (43,512)	-5271	-58
2049	5	5	5	394	1366	0	0	29	0	583	2022	0	0	29	0	2653	29	48445	14	14	14	7960	88	145334	$ (96,889)	$ (42,490)	-5307	-59
2050	5	5	5	397	1376	0	0	29	0	587	2036	0	0	29	0	2671	30	48774	14	14	14	8014	89	146322	$ (97,548)	$ (41,493)	-5343	-59
2051	5	5	5	400	1385	0	0	29	0	591	2050	0	0	29	0	2690	30	49106	14	14	14	8069	89	147317	$ (98,211)	$ (40,519)	-5379	-60
2052	4.7	4.7	4.7	402.3	1394.5	0.0	0.0	29.4	0.0	595.4	2063.8	0.0	0.0	29.4	0.0	2707.9	30.0	49439.6	14.1	14.1	14.1	8123.8	89.9	148318.7	-98879.1	-39568.0	-5415.9	-59.9
Total																									**$ (2,034,144.73)**	**$ (1,134,919.76)**		

Beaver Street Ext WB - PM

Growth Rate	0.68%
Build % Reduction in Delay	

	No- Build																		Build									
Year	Delay			Passenger Vehicle Count (VpH)			Commercial Vehicle Count (VpH)			Total Passenger Vehicle Persons (PpH)			Total Commercial Vehicle Persons (PpH)			Total Passenger Annual Hours Delayed	Total Commercial Annual Hours Delayed	Total Time Value of Delay	Delay			Total Annual Passenger Hours Delayed	Total Commercial Hours Delayed	Total Time Value of Delay	Difference in Cost	Discounted Cost Savings	Passenger Hours Saved	Commercial Hours Saved
	L	T	R	L	T	R	L	T	R	L	T	R	L	T	R				L	T	R							
2022																												
2023																												
2024																												
2025	0	0	0	335	1161	0	0	25	0	496	1719	0	0	25	0	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2026	0	0	0	337	1169	0	0	25	0	499	1730	0	0	25	0	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2027	0	0	0	340	1177	0	0	25	0	503	1742	0	0	25	0	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2028	0	0	0	342	1185	0	0	25	0	506	1754	0	0	25	0	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2029	0	0	0	344	1193	0	0	25	0	509	1766	0	0	25	0	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2030	0	0	0	347	1201	0	0	25	0	513	1778	0	0	25	0	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2031	0	0	0	349	1209	0	0	26	0	516	1790	0	0	26	0	0	0	0	30	30	30	15142	168	276447	$ (276,447)	$ (210,031)	-15142	-168
2032	0	0	0	351	1218	0	0	26	0	520	1802	0	0	26	0	0	0	0	30	30	30	15245	169	278327	$ (278,327)	$ (205,101)	-15245	-169
2033	0	0	0	354	1226	0	0	26	0	523	1814	0	0	26	0	0	0	0	30	30	30	15348	170	280220	$ (280,220)	$ (200,287)	-15348	-170
2034	0	0	0	356	1234	0	0	26	0	527	1827	0	0	26	0	0	0	0	30	30	30	15453	171	282125	$ (282,125)	$ (195,586)	-15453	-171
2035	0	0	0	358	1243	0	0	26	0	531	1839	0	0	26	0	0	0	0	30	30	30	15558	172	284043	$ (284,043)	$ (190,995)	-15558	-172
2036	0	0	0	361	1251	0	0	26	0	534	1852	0	0	26	0	0	0	0	30	30	30	15664	173	285975	$ (285,975)	$ (186,512)	-15664	-173
2037	0	0	0	363	1260	0	0	27	0	538	1864	0	0	27	0	0	0	0	30	30	30	15770	174	287920	$ (287,920)	$ (182,134)	-15770	-174
2038	0	0	0	366	1268	0	0	27	0	541	1877	0	0	27	0	0	0	0	30	30	30	15877	176	289877	$ (289,877)	$ (177,859)	-15877	-176
2039	0	0	0	368	1277	0	0	27	0	545	1890	0	0	27	0	0	0	0	30	30	30	15985	177	291849	$ (291,849)	$ (173,684)	-15985	-177
2040	0	0	0	371	1286	0	0	27	0	549	1903	0	0	27	0	0	0	0	30	30	30	16094	178	293833	$ (293,833)	$ (169,607)	-16094	-178
2041	0	0	0	373	1294	0	0	27	0	553	1916	0	0	27	0	0	0	0	30	30	30	16203	179	295831	$ (295,831)	$ (165,626)	-16203	-179
2042	0	0	0	376	1303	0	0	27	0	556	1929	0	0	27	0	0	0	0	30	30	30	16314	180	297843	$ (297,843)	$ (161,739)	-16314	-180
2043	0	0	0	378	1312	0	0	28	0	560	1942	0	0	28	0	0	0	0	30	30	30	16425	182	299868	$ (299,868)	$ (157,942)	-16425	-182
2044	0	0	0	381	1321	0	0	28	0	564	1955	0	0	28	0	0	0	0	30	30	30	16536	183	301907	$ (301,907)	$ (154,235)	-16536	-183
2045	0	0	0	384	1330	0	0	28	0	568	1968	0	0	28	0	0	0	0	30	30	30	16649	184	303960	$ (303,960)	$ (150,615)	-16649	-184
2046	0	0	0	386	1339	0	0	28	0	572	1982	0	0	28	0	0	0	0	30	30	30	16762	185	306027	$ (306,027)	$ (147,079)	-16762	-185
2047	0	0	0	389	1348	0	0	28	0	576	1995	0	0	28	0	0	0	0	30	30	30	16876	187	308108	$ (308,108)	$ (143,627)	-16876	-187
2048	0	0	0	392	1357	0	0	29	0	579	2009	0	0	29	0	0	0	0	30	30	30	16991	188	310203	$ (310,203)	$ (140,256)	-16991	-188
2049	0	0	0	394	1366	0	0	29	0	583	2022	0	0	29	0	0	0	0	30	30	30	17106	189	312313	$ (312,313)	$ (136,964)	-17106	-189
2050	0	0	0	397	1376	0	0	29	0	587	2036	0	0	29	0	0	0	0	30	30	30	17222	191	314436	$ (314,436)	$ (133,749)	-17222	-191
2051	0	0	0	400	1385	0	0	29	0	591	2050	0	0	29	0	0	0	0	30	30	30	17340	192	316575	$ (316,575)	$ (130,610)	-17340	-192
2052	0.0	0.0	0.0	402.3	1394.5	0.0	0.0	29.4	0.0	595.4	2063.8	0.0	0.0	29.4	0.0	0.0	0.0	0.0	30.3	30.3	30.3	17457.5	193.1	318727.4	-318727.4	-127543.8	-17457.5	-193.1
Total																									**$ (6,536,416.06)**	**$ (3,641,783.37)**		

Beaver Street Ext NB - PM

Growth Rate	0.68%
Build % Reduction in Delay	

	No- Build																		Build										
Year	Delay			Passenger Vehicle Count (VpH)			Commercial Vehicle Count (VpH)			Total Passenger Vehicle Persons (PpH)			Total Commercial Vehicle Persons (PpH)			Total Passenger Annual Hours Delayed	Total Commercial Annual Hours Delayed	Total Time Value of Delay	Delay			Total Annual Passenger Hours Delayed	Total Commercial Hours Delayed	Total Time Value of Delay	Difference in Cost	Discounted Cost Savings	Passenger Hours Saved	Commercial Hours Saved
	L	T	R	L	T	R	L	T	R	L	T	R	L	T	R				L	T	R							
2022																													
2023																													
2024																													
2025	85	85	85	20	0	180	0	0	0	30	0	266	0	0	0	5432	0	97234	85	85	85	5432	0	97234	$ -	$ -	0	0
2026	85	85	85	20	0	181	0	0	0	30	0	268	0	0	0	5469	0	97896	85	85	85	5469	0	97896	$ -	$ -	0	0
2027	85	85	85	20	0	182	0	0	0	30	0	270	0	0	0	5506	0	98561	85	85	85	5506	0	98561	$ -	$ -	0	0
2028	85	85	85	20	0	184	0	0	0	30	0	272	0	0	0	5544	0	99232	89	89	89	5821	0	104193	$ (4,962)	$ (4,131)	-277	0
2029	85	85	85	21	0	185	0	0	0	30	0	274	0	0	0	5581	0	99906	89	89	89	5860	0	104902	$ (4,995)	$ (4,034)	-279	0
2030	85	85	85	21	0	186	0	0	0	31	0	276	0	0	0	5619	0	100586	89	89	89	5900	0	105615	$ (5,029)	$ (3,939)	-281	0
2031	85	85	85	21	0	187	0	0	0	31	0	277	0	0	0	5658	0	101270	48	48	48	3199	0	57271	$ 43,999	$ 33,428	2458	0
2032	85	85	85	21	0	189	0	0	0	31	0	279	0	0	0	5696	0	101958	48	48	48	3221	0	57660	$ 44,298	$ 32,644	2475	0
2033	85	85	85	21	0	190	0	0	0	31	0	281	0	0	0	5735	0	102652	48	48	48	3243	0	58052	$ 44,600	$ 31,878	2492	0
2034	85	85	85	21	0	191	0	0	0	31	0	283	0	0	0	5774	0	103350	48	48	48	3265	0	58447	$ 44,903	$ 31,129	2509	0
2035	85	85	85	21	0	193	0	0	0	32	0	285	0	0	0	5813	0	104052	48	48	48	3287	0	58844	$ 45,208	$ 30,399	2526	0
2036	85	85	85	22	0	194	0	0	0	32	0	287	0	0	0	5853	0	104760	48	48	48	3310	0	59244	$ 45,516	$ 29,685	2543	0
2037	85	85	85	22	0	195	0	0	0	32	0	289	0	0	0	5892	0	105472	48	48	48	3332	0	59647	$ 45,825	$ 28,988	2560	0
2038	85	85	85	22	0	197	0	0	0	32	0	291	0	0	0	5932	0	106190	48	48	48	3355	0	60053	$ 46,137	$ 28,308	2577	0
2039	85	85	85	22	0	198	0	0	0	33	0	293	0	0	0	5973	0	106912	48	48	48	3378	0	60461	$ 46,450	$ 27,643	2595	0
2040	85	85	85	22	0	199	0	0	0	33	0	295	0	0	0	6013	0	107639	48	48	48	3401	0	60872	$ 46,766	$ 26,995	2613	0
2041	85	85	85	22	0	201	0	0	0	33	0	297	0	0	0	6054	0	108371	48	48	48	3424	0	61286	$ 47,084	$ 26,361	2630	0
2042	85	85	85	22	0	202	0	0	0	33	0	299	0	0	0	6095	0	109108	48	48	48	3447	0	61703	$ 47,404	$ 25,742	2648	0
2043	85	85	85	23	0	203	0	0	0	33	0	301	0	0	0	6137	0	109849	48	48	48	3471	0	62123	$ 47,727	$ 25,138	2666	0
2044	85	85	85	23	0	205	0	0	0	34	0	303	0	0	0	6179	0	110596	48	48	48	3494	0	62545	$ 48,051	$ 24,548	2684	0
2045	85	85	85	23	0	206	0	0	0	34	0	305	0	0	0	6221	0	111349	48	48	48	3518	0	62970	$ 48,378	$ 23,972	2703	0
2046	85	85	85	23	0	208	0	0	0	34	0	307	0	0	0	6263	0	112106	48	48	48	3542	0	63399	$ 48,707	$ 23,409	2721	0
2047	85	85	85	23	0	209	0	0	0	34	0	309	0	0	0	6305	0	112868	48	48	48	3566	0	63830	$ 49,038	$ 22,860	2740	0
2048	85	85	85	23	0	210	0	0	0	35	0	311	0	0	0	6348	0	113635	48	48	48	3590	0	64264	$ 49,372	$ 22,323	2758	0
2049	85	85	85	24	0	212	0	0	0	35	0	313	0	0	0	6392	0	114408	48	48	48	3615	0	64701	$ 49,707	$ 21,799	2777	0
2050	85	85	85	24	0	213	0	0	0	35	0	316	0	0	0	6435	0	115186	48	48	48	3639	0	65141	$ 50,045	$ 21,287	2796	0
2051	85	85	85	24	0	215	0	0	0	35	0	318	0	0	0	6479	0	115969	48	48	48	3664	0	65584	$ 50,386	$ 20,788	2815	0
2052	84.7	84.7	84.7	24.0	0.0	216.1	0.0	0.0	0.0	35.5	0.0	319.9	0.0	0.0	0.0	6522.8	0.0	116758.1	47.9	47.9	47.9	3688.8	0.0	66029.6	50728.4	20299.8	2834.0	0.0
Total																									**$ 1,025,344.96**	**$ 567,518.81**		

Beaver Street Ext EB - SAT

Growth Rate	0.68%
Build % Reduction in Delay	

	No- Build																		Build										
Year	Delay			Passenger Vehicle Count (VpH)			Commercial Vehicle Count (VpH)			Total Passenger Vehicle Persons (PpH)			Total Commercial Vehicle Persons (PpH)			Total Passenger Annual Hours Delayed	Total Commercial Annual Hours Delayed	Total Time Value of Delay	Delay			Total Annual Passenger Hours Delayed	Total Commercial Hours Delayed	Total Time Value of Delay	Difference in Cost	Discounted Cost Savings	Passenger Hours Saved	Commercial Hours Saved
	L	T	R	L	T	R	L	T	R	L	T	R	L	T	R				L	T	R							
2022																													
2023																													
2024																													
2025	2	2	2	134	891	0	1	9	0	270	1800	0	1	9	0	852	4	15390	2	2	2	852	4	15390	$ -	$ -	0	0
2026	2	2	2	135	897	0	1	9	0	272	1812	0	1	9	0	858	4	15494	2	2	2	858	4	15494	$ -	$ -	0	0
2027	2	2	2	135	903	0	1	9	0	274	1824	0	1	9	0	864	4	15600	2	2	2	864	4	15600	$ -	$ -	0	0
2028	2	2	2	136	909	0	1	9	0	276	1837	0	1	9	0	870	4	15706	2	2	2	913	5	16491	$ (785)	$ (654)	-43	0
2029	2	2	2	137	915	0	1	9	0	277	1849	0	1	9	0	875	4	15812	2	2	2	919	5	16603	$ (791)	$ (638)	-44	0
2030	2	2	2	138	922	0	1	9	0	279	1862	0	1	9	0	881	4	15920	2	2	2	926	5	16716	$ (796)	$ (624)	-44	0
2031	2	2	2	139	928	0	1	9	0	281	1875	0	1	9	0	887	4	16028	8	8	8	3550	18	64113	$ (48,085)	$ (36,532)	-2662	-13
2032	2	2	2	140	934	0	1	9	0	283	1887	0	1	9	0	893	4	16137	8	8	8	3574	18	64549	$ (48,412)	$ (35,675)	-2680	-13
2033	2	2	2	141	941	0	1	10	0	285	1900	0	1	10	0	900	4	16247	8	8	8	3598	18	64988	$ (48,741)	$ (34,838)	-2699	-13
2034	2	2	2	142	947	0	1	10	0	287	1913	0	1	10	0	906	5	16357	8	8	8	3623	18	65430	$ (49,072)	$ (34,020)	-2717	-14
2035	2	2	2	143	953	0	1	10	0	289	1926	0	1	10	0	912	5	16469	8	8	8	3647	18	65875	$ (49,406)	$ (33,221)	-2735	-14
2036	2	2	2	144	960	0	1	10	0	291	1939	0	1	10	0	918	5	16581	8	8	8	3672	18	66323	$ (49,742)	$ (32,442)	-2754	-14
2037	2	2	2	145	966	0	1	10	0	293	1952	0	1	10	0	924	5	16693	8	8	8	3697	18	66774	$ (50,080)	$ (31,680)	-2773	-14
2038	2	2	2	146	973	0	1	10	0	295	1966	0	1	10	0	931	5	16807	8	8	8	3722	19	67228	$ (50,421)	$ (30,936)	-2792	-14
2039	2	2	2	147	980	0	1	10	0	297	1979	0	1	10	0	937	5	16921	8	8	8	3747	19	67685	$ (50,764)	$ (30,210)	-2811	-14
2040	2	2	2	148	986	0	1	10	0	299	1992	0	1	10	0	943	5	17036	8	8	8	3773	19	68145	$ (51,109)	$ (29,501)	-2830	-14
2041	2	2	2	149	993	0	2	10	0	301	2006	0	2	10	0	950	5	17152	8	8	8	3799	19	68609	$ (51,456)	$ (28,809)	-2849	-14
2042	2	2	2	150	1000	0	2	10	0	303	2020	0	2	10	0	956	5	17269	8	8	8	3824	19	69075	$ (51,806)	$ (28,133)	-2868	-14
2043	2	2	2	151	1007	0	2	10	0	305	2033	0	2	10	0	963	5	17386	8	8	8	3850	19	69545	$ (52,159)	$ (27,472)	-2888	-14
2044	2	2	2	152	1013	0	2	10	0	307	2047	0	2	10	0	969	5	17504	8	8	8	3877	19	70018	$ (52,513)	$ (26,827)	-2907	-15
2045	2	2	2	153	1020	0	2	10	0	309	2061	0	2	10	0	976	5	17623	8	8	8	3903	20	70494	$ (52,870)	$ (26,198)	-2927	-15
2046	2	2	2	154	1027	0	2	10	0	311	2075	0	2	10	0	982	5	17743	8	8	8	3930	20	70973	$ (53,230)	$ (25,583)	-2947	-15
2047	2	2	2	155	1034	0	2	10	0	313	2089	0	2	10	0	989	5	17864	8	8	8	3956	20	71456	$ (53,592)	$ (24,982)	-2967	-15
2048	2	2	2	156	1041	0	2	11	0	316	2103	0	2	11	0	996	5	17985	8	8	8	3983	20	71942	$ (53,956)	$ (24,396)	-2987	-15
2049	2	2	2	157	1048	0	2	11	0	318	2118	0	2	11	0	1003	5	18108	8	8	8	4010	20	72431	$ (54,323)	$ (23,823)	-3008	-15
2050	2	2	2	158	1055	0	2	11	0	320	2132	0	2	11	0	1009	5	18231	8	8	8	4038	20	72923	$ (54,693)	$ (23,264)	-3028	-15
2051	2	2	2	159	1063	0	2	11	0	322	2147	0	2	11	0	1016	5	18355	8	8	8	4065	20	73419	$ (55,064)	$ (22,718)	-3049	-15
2052	1.9	1.9	1.9	160.5	1069.9	0.0	1.6	10.8	0.0	324.2	2161.2	0.0	1.6	10.8	0.0	1023.1	5.1	18479.6	7.6	7.6	7.6	4092.6	20.5	73918.5	-55438.9	-22184.8	-3069.4	-15.3
Total																									**$ (1,139,305.27)**	**$ (635,361.61)**		

Beaver Street Ext WB - SAT

Growth Rate	0.68%
Build % Reduction in Delay	

	No- Build																		Build									
Year	Delay			Passenger Vehicle Count (VpH)			Commercial Vehicle Count (VpH)			Total Passenger Vehicle Persons (PpH)			Total Commercial Vehicle Persons (PpH)			Total Passenger Annual Hours Delayed	Total Commercial Annual Hours Delayed	Total Time Value of Delay	Delay			Total Annual Passenger Hours Delayed	Total Commercial Hours Delayed	Total Time Value of Delay	Difference in Cost	Discounted Cost Savings	Passenger Hours Saved	Commercial Hours Saved
	L	T	R	L	T	R	L	T	R	L	T	R	L	T	R				L	T	R							
2022																												
2023																												
2024																												
2025	0	0	0	0	1269	25	0	26	0	0	2564	51	0	26	0	0	0		0	0	0	0	0	0		$ -	0	0
2026	0	0	0	0	1278	25	0	26	0	0	2581	51	0	26	0	0	0		0	0	0	0	0	0		$ -	0	0
2027	0	0	0	0	1286	25	0	26	0	0	2599	51	0	26	0	0	0		0	0	0	0	0	0		$ -	0	0
2028	0	0	0	0	1295	26	0	26	0	0	2616	52	0	26	0	0	0		0	0	0	0	0	0		$ -	0	0
2029	0	0	0	0	1304	26	0	27	0	0	2634	52	0	27	0	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2030	0	0	0	0	1313	26	0	27	0	0	2652	52	0	27	0	0	0	0	0	0	0	0	0	0	$ -	$ -	0	0
2031	0	0	0	0	1322	26	0	27	0	0	2670	53	0	27	0	0	0	0	21	21	21	12447	123	226779	$ (226,779)	$ (172,296)	-12447	-123
2032	0	0	0	0	1331	26	0	27	0	0	2688	53	0	27	0	0	0	0	21	21	21	12531	124	228321	$ (228,321)	$ (168,251)	-12531	-124
2033	0	0	0	0	1340	26	0	27	0	0	2706	53	0	27	0	0	0	0	21	21	21	12617	125	229873	$ (229,873)	$ (164,302)	-12617	-125
2034	0	0	0	0	1349	27	0	28	0	0	2725	54	0	28	0	0	0	0	21	21	21	12702	126	231436	$ (231,436)	$ (160,446)	-12702	-126
2035	0	0	0	0	1358	27	0	28	0	0	2743	54	0	28	0	0	0	0	21	21	21	12789	127	233010	$ (233,010)	$ (156,679)	-12789	-127
2036	0	0	0	0	1367	27	0	28	0	0	2762	54	0	28	0	0	0	0	21	21	21	12876	128	234595	$ (234,595)	$ (153,002)	-12876	-128
2037	0	0	0	0	1377	27	0	28	0	0	2781	55	0	28	0	0	0	0	21	21	21	12963	128	236190	$ (236,190)	$ (149,411)	-12963	-128
2038	0	0	0	0	1386	27	0	28	0	0	2800	55	0	28	0	0	0	0	21	21	21	13051	129	237796	$ (237,796)	$ (145,904)	-13051	-129
2039	0	0	0	0	1395	27	0	28	0	0	2819	56	0	28	0	0	0	0	21	21	21	13140	130	239413	$ (239,413)	$ (142,479)	-13140	-130
2040	0	0	0	0	1405	28	0	29	0	0	2838	56	0	29	0	0	0	0	21	21	21	13229	131	241041	$ (241,041)	$ (139,135)	-13229	-131
2041	0	0	0	0	1414	28	0	29	0	0	2857	56	0	29	0	0	0	0	21	21	21	13319	132	242680	$ (242,680)	$ (135,869)	-13319	-132
2042	0	0	0	0	1424	28	0	29	0	0	2877	57	0	29	0	0	0	0	21	21	21	13410	133	244330	$ (244,330)	$ (132,680)	-13410	-133
2043	0	0	0	0	1434	28	0	29	0	0	2896	57	0	29	0	0	0	0	21	21	21	13501	134	245992	$ (245,992)	$ (129,565)	-13501	-134
2044	0	0	0	0	1443	28	0	29	0	0	2916	57	0	29	0	0	0	0	21	21	21	13593	135	247664	$ (247,664)	$ (126,524)	-13593	-135
2045	0	0	0	0	1453	29	0	30	0	0	2936	58	0	30	0	0	0	0	21	21	21	13685	136	249349	$ (249,349)	$ (123,554)	-13685	-136
2046	0	0	0	0	1463	29	0	30	0	0	2956	58	0	30	0	0	0	0	21	21	21	13778	137	251044	$ (251,044)	$ (120,654)	-13778	-137
2047	0	0	0	0	1473	29	0	30	0	0	2976	59	0	30	0	0	0	0	21	21	21	13872	137	252751	$ (252,751)	$ (117,822)	-13872	-137
2048	0	0	0	0	1483	29	0	30	0	0	2996	59	0	30	0	0	0	0	21	21	21	13966	138	254470	$ (254,470)	$ (115,057)	-13966	-138
2049	0	0	0	0	1493	29	0	30	0	0	3016	59	0	30	0	0	0	0	21	21	21	14061	139	256200	$ (256,200)	$ (112,356)	-14061	-139
2050	0	0	0	0	1503	30	0	31	0	0	3037	60	0	31	0	0	0	0	21	21	21	14157	140	257942	$ (257,942)	$ (109,719)	-14157	-140
2051	0	0	0	0	1514	30	0	31	0	0	3058	60	0	31	0	0	0	0	21	21	21	14253	141	259697	$ (259,697)	$ (107,143)	-14253	-141
2052	0.0	0.0	0.0	0.0	1523.9	30.0	0.0	31.1	0.0	0.0	3078.3	60.6	0.0	31.1	0.0	0.0	0.0	0.0	21.1	21.1	21.1	14350.3	142.2	261462.4	-261462.4	-104628.3	-14350.3	-142.2
Total																									**$ (5,362,035.10)**	**$ (2,987,473.57)**		

Beaver Street Ext NB - SAT

Growth Rate	0.68%
Build % Reduction in Delay	

	No- Build																		Build									
Year	Delay			Passenger Vehicle Count (VpH)			Commercial Vehicle Count (VpH)			Total Passenger Vehicle Persons (PpH)			Total Commercial Vehicle Persons (PpH)			Total Passenger Annual Hours Delayed	Total Commercial Annual Hours Delayed	Total Time Value of Delay	Delay			Total Annual Passenger Hours Delayed	Total Commercial Hours Delayed	Total Time Value of Delay	Difference in Cost	Discounted Cost Savings	Passenger Hours Saved	Commercial Hours Saved
	L	T	R	L	T	R	L	T	R	L	T	R	L	T	R				L	T	R							
2022																												
2023																												
2024																												
2025	81	81	81	5	0	155	0	0	0	10	0	229	0	0	0	4182	0	74866	81	81	81	4182	0	74866	$ -	$ -	0	0
2026	81	81	81	5	0	156	0	0	0	7	0	231	0	0	0	4163	0	74526	81	81	81	4163	0	74526	$ -	$ -	0	0
2027	81	81	81	5	0	157	0	0	0	8	0	233	0	0	0	4192	0	75032	81	81	81	4192	0	75032	$ -	$ -	0	0
2028	81	81	81	5	0	158	0	0	0	8	0	234	0	0	0	4220	0	75543	85	85	85	4431	0	79320	$ (3,777)	$ (3,145)	-211	0
2029	81	81	81	5	0	159	0	0	0	8	0	236	0	0	0	4249	0	76056	85	85	85	4461	0	79859	$ (3,803)	$ (3,071)	-212	0
2030	81	81	81	5	0	160	0	0	0	8	0	237	0	0	0	4278	0	76573	85	85	85	4492	0	80402	$ (3,829)	$ (2,999)	-214	0
2031	81	81	81	5	0	161	0	0	0	8	0	239	0	0	0	4307	0	77094	37	37	37	1977	0	35391	$ 41,704	$ 31,684	2330	0
2032	81	81	81	5	0	163	0	0	0	8	0	241	0	0	0	4336	0	77618	37	37	37	1991	0	35631	$ 41,987	$ 30,941	2346	0
2033	81	81	81	5	0	164	0	0	0	8	0	242	0	0	0	4366	0	78146	37	37	37	2004	0	35874	$ 42,273	$ 30,214	2362	0
2034	81	81	81	5	0	165	0	0	0	8	0	244	0	0	0	4395	0	78678	37	37	37	2018	0	36117	$ 42,560	$ 29,505	2378	0
2035	81	81	81	5	0	166	0	0	0	8	0	245	0	0	0	4425	0	79213	37	37	37	2031	0	36363	$ 42,849	$ 28,813	2394	0
2036	81	81	81	5	0	167	0	0	0	8	0	247	0	0	0	4455	0	79751	37	37	37	2045	0	36610	$ 43,141	$ 28,136	2410	0
2037	81	81	81	5	0	168	0	0	0	8	0	249	0	0	0	4486	0	80293	37	37	37	2059	0	36859	$ 43,434	$ 27,476	2426	0
2038	81	81	81	5	0	169	0	0	0	8	0	251	0	0	0	4516	0	80839	37	37	37	2073	0	37110	$ 43,730	$ 26,831	2443	0
2039	81	81	81	5	0	170	0	0	0	8	0	252	0	0	0	4547	0	81389	37	37	37	2087	0	37362	$ 44,027	$ 26,201	2460	0
2040	81	81	81	6	0	172	0	0	0	8	0	254	0	0	0	4578	0	81943	37	37	37	2101	0	37616	$ 44,326	$ 25,586	2476	0
2041	81	81	81	6	0	173	0	0	0	8	0	256	0	0	0	4609	0	82500	37	37	37	2116	0	37872	$ 44,628	$ 24,986	2493	0
2042	81	81	81	6	0	174	0	0	0	8	0	257	0	0	0	4640	0	83061	37	37	37	2130	0	38130	$ 44,931	$ 24,399	2510	0
2043	81	81	81	6	0	175	0	0	0	8	0	259	0	0	0	4672	0	83626	37	37	37	2145	0	38389	$ 45,237	$ 23,826	2527	0
2044	81	81	81	6	0	176	0	0	0	8	0	261	0	0	0	4704	0	84194	37	37	37	2159	0	38650	$ 45,544	$ 23,267	2544	0
2045	81	81	81	6	0	177	0	0	0	8	0	263	0	0	0	4736	0	84767	37	37	37	2174	0	38913	$ 45,854	$ 22,721	2562	0
2046	81	81	81	6	0	179	0	0	0	9	0	264	0	0	0	4768	0	85343	37	37	37	2189	0	39177	$ 46,166	$ 22,188	2579	0
2047	81	81	81	6	0	180	0	0	0	9	0	266	0	0	0	4800	0	85924	37	37	37	2204	0	39444	$ 46,480	$ 21,667	2597	0
2048	81	81	81	6	0	181	0	0	0	9	0	268	0	0	0	4833	0	86508	37	37	37	2219	0	39712	$ 46,796	$ 21,158	2614	0
2049	81	81	81	6	0	182	0	0	0	9	0	270	0	0	0	4866	0	87096	37	37	37	2234	0	39982	$ 47,114	$ 20,662	2632	0
2050	81	81	81	6	0	184	0	0	0	9	0	272	0	0	0	4899	0	87688	37	37	37	2249	0	40254	$ 47,434	$ 20,177	2650	0
2051	81	81	81	6	0	185	0	0	0	9	0	274	0	0	0	4932	0	88285	37	37	37	2264	0	40528	$ 47,757	$ 19,703	2668	0
2052	80.6	80.6	80.6	6.0	0.0	186.1	0.0	0.0	0.0	8.9	0.0	275.5	0.0	0.0	0.0	4965.6	0.0	88885.0	37.0	37.0	37.0	2279.5	0.0	40803.3	48081.7	19240.7	2686.1	0.0
Total																									**$ 974,644.38**	**$ 540,167.28**		

Travel Time Data

			2025 Opening Year				2045 No Build with expected growth				2045 Build with expected growth				Delay Reduction	
		% Commercial Vehicles	Vehicles per Hour	Passenger Vehicles	Commercial Vehicles	Delay (Seconds/vehicle)	Vehicles per Hour	Passenger Vehicles	Commercial Vehicles	Delay (Seconds/vehicle)	Vehicles per Hour	Passenger Vehicles	Commercial Vehicles	Delay (Seconds/vehicle)	Delay (Seconds/vehicle)	% Reduction
Franklin Road AM	**Turning Motion**															
SR 228 EB	L	7.0%	100	93	7	42.4	115	107	8	41.2	115	107	8	58.9	(17.7)	-43%
	T	11.0%	835	743	92	23.6	960	854	106	24.7	960	854	106	29.8	(5.1)	-21%
	R	7.0%	65	60	5	7.2	75	70	5	7.7	75	70	5	12.6	(4.9)	-64%
SR 228 WB	L	4.0%	250	240	10	134.7	285	274	11	185.4	285	274	11	61.2	124.2	67%
	T	6.0%	1155	1086	69	43.5	1330	1250	80	75.7	1330	1250	80	38.1	37.6	50%
	R	8.0%	45	41	4	43.5	50	46	4	75.7	50	46	4	21.1	54.6	72%
Intersecting Road NB	L	8.0%	125	115	10	74.6	140	129	11	118.1	140	129	11	86.2	31.9	27%
	T	6.0%	140	132	8	47.6	160	150	10	47.8	160	150	10	39.1	8.7	18%
	R	14.0%	85	73	12	32.6	95	82	13	32.3	95	82	13	27.1	5.2	16%
Intersecting Road SB	L	6.0%	75	71	5	37.8	85	80	5	37.7	85	80	5	35.6	2.1	6%
	T	5.0%	365	347	18	87.3	425	404	21	126.2	425	404	21	78.0	48.2	38%
	R	3.0%	75	73	2	24.7	85	82	3	24.4	85	82	3	32.3	(7.9)	-32%
Franklin Road PM																
SR 228 EB	L	1.0%	315	312	3	52.7	360	356	4	72.1	360	356	4	51.8	20.3	28%
	T	2.0%	1230	1205	25	21.2	1410	1382	28	78.1	1410	1382	28	12.8	65.3	84%
	R	0.0%	75	75	0	0.5	85	85	0	15.3	85	85	0	0.2	15.1	99%
SR 228 WB	L	2.0%	170	167	3	64.5	192	188	4	78.6	192	188	4	64.5	14.1	18%
	T	3.0%	1150	1116	35	29.9	1320	1280	40	84.0	1320	1280	40	36.4	47.6	57%
	R	0.0%	80	80	0	20.3	95	95	0	84.0	95	95	0	21.6	62.4	74%
Intersecting Road NB	L	2.0%	180	176	4	50.7	200	196	4	131.6	200	196	4	57.0	74.6	57%
	T	2.0%	360	353	7	54.1	420	412	8	336.3	420	412	8	53.7	282.6	84%
	R	1.0%	210	208	2	42.6	245	243	2	49.4	245	243	2	41.5	7.9	16%
Intersecting Road SB	L	2.0%	75	74	2	52.2	85	83	2	55.8	85	83	2	50.9	4.9	9%
	T	0.0%	165	165	0	73.5	195	195	0	68.5	195	195	0	77.2	(8.7)	-13%
	R	0.0%	75	75	0	40.6	85	85	0	26.3	85	85	0	39.2	(12.9)	-49%
Franklin Road SAT																
SR 228 EB	L	0.0%		0	0	47.9	135	135	0	43.3	135	135	0	60.0	(16.7)	-39%
	T	2.0%		0	0	19.8	1125	1103	23	27.6	1125	1103	23	11.2	16.4	59%
	R	0.0%		0	0	3.4	105	105	0	1.7	105	105	0	1.1	0.6	35%
SR 228 WB	L	0.0%		0	0	72.0	165	165	0	67.4	165	165	0	62.5	4.9	7%
	T	2.0%		0	0	29.7	1515	1485	30	37.7	1515	1485	30	23.3	14.4	38%
	R	4.0%		0	0	29.7	110	106	4	37.7	110	106	4	13.4	24.3	64%
Intersecting Road NB	L	0.0%		0	0	70.3	155	155	0	90.8	155	155	0	61.1	29.7	33%
	T	1.0%		0	0	75.4	160	158	2	79.9	160	158	2	57.0	22.9	29%
	R	2.0%		0	0	48.3	150	147	3	48.8	150	147	3	45.2	3.6	7%
Intersecting Road SB	L	1.0%		0	0	56.0	155	153	2	65.0	155	153	2	57.2	7.8	12%
	T	1.0%		0	0	78.5	175	173	2	85.5	175	173	2	79.1	6.4	7%
	R	2.0%		0	0	38.8	145	142	3	38.5	145	142	3	50.0	(11.5)	-30%
Castle Creek/High Pointe Dr. (West) AM																
SR 228 EB	L	11.0%	45	40	5	12.8	95	85	10	32.0	95	85	10	8.1	23.9	75%
	T	11.0%	815	725	90	32.6	935	832	103	37.1	935	832	103	10.3	26.8	72%
	R	7.0%	165	153	12	25.0	190	177	13	20.4	190	177	13	7.7	12.7	62%
SR 228 WB	L	2.0%	105	103	2	9.2	115	113	2	14.7	115	113	2	7.8	6.9	47%
	T	6.0%	1295	1217	78	27.5	1495	1405	90	86.9	1495	1405	90	16.1	70.8	81%
	R	0.0%	0	0	0	-	60	60	0	-	60	60	0	16.1	(16.1)	#DIV/0!
Intersecting Road NB	L	4.0%	95	91	4	67.0	80	77	3	70.1	80	77	3	47.1	23.0	33%
	T	12.3%	10	9	1	57.4	15	13	2	56.7	15	13	2	40.8	15.9	28%
	R	9.0%	40	36	4	57.4	30	27	3	56.7	30	27	3	40.8	15.9	28%
Intersecting Road SB	L	0.0%	5	5	0	56.9	35	35	0	56.2	35	35	0	40.4	15.8	28%
	T	0.0%	15	15	0	57.2	55	55	0	56.5	55	55	0	40.6	15.9	28%
	R	0.0%	30	30	0	56.8	135	135	0	56.1	135	135	0	40.4	15.7	28%
Castle Creek/High Pointe Dr. (West) PM																
SR 228 EB	L	0.0%	40	40	0	11.7	85	85	0	52.8	85	85	0	15.5	37.3	71%
	T	2.0%	1305	1279	26	16.9	1500	1470	30	185.9	1500	1470	30	21.5	164.4	88%
	R	1.0%	170	168	2	10.6	185	183	2	8.9	185	183	2	11.8	(2.9)	-33%
SR 228 WB	L	2.0%	65	64	1	19.5	70	69	1	63.1	70	69	1	23.9	39.2	62%
	T	3.0%	1115	1082	33	20.6	1280	1242	38	41.2	1280	1242	38	24.8	16.4	40%
	R	0.0%	0	0	0	-	30	30	0	-	30	30	0	24.8	(24.8)	#DIV/0!
Intersecting Road NB	L	1.0%	210	208	2	51.9	235	233	2	187.5	235	233	2	54.3	133.2	71%
	T	0.0%	45	45	0	38.2	65	65	0	59.7	65	65	0	36.6	23.1	39%
	R	1.0%	90	89	1	38.2	65	64	1	59.7	65	64	1	36.6	23.1	39%
	L	0.0%	0	0	0	-	30	30	0	-	30	30	0	34.9	(34.9)	#DIV/0!

Travel Time Data

			2025 Opening Year				2045 No Build with expected growth				2045 Build with expected growth				Delay Reduction	
		% Commercial Vehicles	Vehicles per Hour	Passenger Vehicles	Commercial Vehicles	Delay (Seconds/vehicle)	Vehicles per Hour	Passenger Vehicles	Commercial Vehicles	Delay (Seconds/vehicle)	Vehicles per Hour	Passenger Vehicles	Commercial Vehicles	Delay (Seconds/vehicle)	Delay (Seconds/vehicle)	% Reduction
Intersecting Road SB	T	0.0%	25	25	0	36.8	30	30	0	55.4	30	30	0	34.9	20.5	37%
	R	0.0%	35	35	0	36.4	70	70	0	54.6	70	70	0	34.5	20.1	37%
Castle Creek/High Pointe Dr. (West) SAT																
SR 228 EB	L	2.0%		0	0	39.8	85	83	2	178.1	85	83	2	18.6	159.5	90%
	T	1.0%		0	0	13.4	1210	1198	12	20.5	1210	1198	12	14.4	6.1	30%
	R	2.0%		0	0	0.5	165	162	3	0.5	165	162	3	9.5	(9.0)	-1800%
SR 228 WB	L	0.0%		0	0	24.2	70	70	0	49.4	70	70	0	3.2	46.2	94%
	T	2.0%		0	0	23.5	1540	1509	31	71.3	1540	1509	31	6.3	65.0	91%
	R	0.0%		0	0	-	30	30	0	-	30	30	0	6.3	(6.3)	#DIV/0!
Intersecting Road NB	L	1.0%		0	0	101.6	235	233	2	121.2	235	233	2	43.1	78.1	64%
	T	0.0%		0	0	56.3	65	65	0	56.2	65	65	0	32.3	23.9	43%
	R	0.0%		0	0	56.3	65	65	0	56.2	65	65	0	32.3	23.9	43%
Intersecting Road SB	L	0.0%		0	0	-	30	30	0	-	30	30	0	31.8	(31.8)	#DIV/0!
	T	0.0%		0	0	55.7	30	30	0	55.5	30	30	0	31.8	23.7	43%
	R	3.0%		0	0	55.7	70	68	2	55.6	70	68	2	31.9	23.7	43%
Castle Creek/High Pointe Dr. (East) AM																
SR 228 EB	L	10.0%	25	23	3	6.8	65	59	7	90.7	65	59	7	1.4	89.3	98%
	T	11.0%	775	690	85	2.4	890	792	98	4.4	890	792	98	1.5	2.9	66%
	R	5.0%	25	24	1	3.0	25	24	1	3.6	25	24	1	1.5	2.1	58%
SR 228 WB	L	3.0%	30	29	1	3.7	35	34	1	6.7	35	34	1	1.5	5.2	78%
	T	5.0%	1265	1202	63	17.0	1490	1416	75	72.5	1490	1416	75	3.1	69.4	96%
	R	0.0%	25	25	0	3.0	100	100	0	3.4	100	100	0	3.1	0.3	9%
Intersecting Road NB	L	6.0%	50	47	3	67.9	55	52	3	66.7	55	52	3	49.4	17.3	26%
	T	10.0%	20	18	2	63.2	20	18	2	61.6	20	18	2	45.9	15.7	25%
	R	3.0%	35	34	1	63.2	45	44	1	61.6	45	44	1	45.9	15.7	25%
Intersecting Road SB	L	0.0%	10	10	0	62.3	50	50	0	60.5	50	50	0	45.0	15.5	26%
	T	0.0%	5	5	0	61.6	15	15	0	59.9	15	15	0	44.5	15.4	26%
	R	4.0%	55	53	2	61.7	75	72	3	60.0	75	72	3	44.7	15.3	26%
Castle Creek/High Pointe Dr. (East) PM																
SR 228 EB	L	0.0%	110	110	0	3.9	735	735	0	78.0	735	735	0	11.8	66.2	85%
	T	2.0%	1310	1284	26	5.4	150	147	3	78.4	150	147	3	5.6	72.8	93%
	R	0.0%	5	5	0	5.4	30	30	0	19.3	30	30	0	5.6	13.7	71%
SR 228 WB	L	2.0%	60	59	1	2.3	65	64	1	60.3	65	64	1	5.5	54.8	91%
	T	3.0%	1120	1086	34	2.5	1280	1242	38	13.7	1280	1242	38	2.8	10.9	80%
	R	0.0%	20	20	0	2.5	45	45	0	5.0	45	45	0	2.8	2.2	44%
Intersecting Road NB	L	0.0%	15	15	0	49.0	20	20	0	64.8	20	20	0	48.5	16.3	25%
	T	0.0%	30	30	0	50.3	40	40	0	69.8	40	40	0	49.7	20.1	29%
	R	0.0%	115	115	0	50.3	105	105	0	69.8	105	105	0	49.7	20.1	29%
Intersecting Road SB	L	0.0%	40	40	0	64.2	55	55	0	160.0	55	55	0	76.6	83.4	52%
	T	0.0%	30	30	0	49.3	45	45	0	65.0	45	45	0	48.6	16.4	25%
	R	0.0%	45	45	0	48.3	70	70	0	63.5	70	70	0	47.5	16.0	25%
Castle Creek/High Pointe Dr. (East) SAT																
SR 228 EB	L	0.0%		0	0	7.8	135	135	0	61.8	135	135	0	5.9	55.9	90%
	T	1.0%		0	0	5.8	1220	1208	12	9.0	1220	1208	12	9.8	(0.8)	-9%
	R	0.0%		0	0	2.4	20	20	0	2.6	20	20	0	9.8	(7.2)	-277%
SR 228 WB	L	0.0%		0	0	7.3	65	65	0	15.8	65	65	0	3.3	12.5	79%
	T	2.0%		0	0	9.7	1535	1504	31	35.2	1535	1504	31	5.5	29.7	84%
	R	0.0%		0	0	2.7	45	45	0	2.9	45	45	0	5.5	(2.6)	-90%
Intersecting Road NB	L	0.0%		0	0	68.0	20	20	0	67.9	20	20	0	43.0	24.9	37%
	T	0.0%		0	0	68.9	40	40	0	68.9	40	40	0	43.3	25.6	37%
	R	0.0%		0	0	68.9	105	105	0	68.9	105	105	0	43.3	25.6	37%
Intersecting Road SB	L	0.0%		0	0	66.8	55	55	0	66.1	55	55	0	41.9	24.2	37%
	T	0.0%		0	0	67.3	40	40	0	66.4	40	40	0	42.2	24.2	36%
	R	2.0%		0	0	66.4	70	69	1	65.7	70	69	1	41.8	23.9	36%
Seven Fields Blvd AM																
SR 228 EB	L	7.0%	100	93	7	78.8	115	107	8	70.9	115	107	8	38.0	32.9	46%
	T	12.0%	710	625	85	2.2	815	717	98	3.0	815	717	98	1.3	1.7	57%
	R	0.0%	10	10	0	1.7	10	10	0	2.0	10	10	0	2.1	(0.1)	-5%
SR 228 WB	L	0.0%	0	0	0	-	0	0	0	-	0	0	0	8.7	(8.7)	#DIV/0!
	T	5.0%	1195	1135	60	24.3	1380	1311	69	80.4	1380	1311	69	8.7	71.7	89%
	R	6.0%	100	94	6	4.9	110	103	7	5.4	110	103	7	4.8	0.6	11%
Intersecting Road NB	L	4.0%	25	24	1	77.3	30	29	1	92.3	30	29	1	52.7	39.6	43%
	T	0.0%	5	5	0	61.3	5	5	0	60.0	5	5	0	44.6	15.4	26%

Travel Time Data

			2025 Opening Year				2045 No Build with expected growth				2045 Build with expected growth				Delay Reduction	
		% Commercial Vehicles	Vehicles per Hour	Passenger Vehicles	Commercial Vehicles	Delay (Seconds/vehicle)	Vehicles per Hour	Passenger Vehicles	Commercial Vehicles	Delay (Seconds/vehicle)	Vehicles per Hour	Passenger Vehicles	Commercial Vehicles	Delay (Seconds/vehicle)	Delay (Seconds/vehicle)	% Reduction
Intersecting Road SB	R	50.0%	5	3	3	62.6	5	3	3	61.3	5	3	3	46.0	15.3	25%
	L	13.0%	35	30	5	65.2	35	30	5	63.3	35	30	5	47.3	16.0	25%
	T	0.0%	5	5	0	62.3	5	5	0	61.1	5	5	0	45.6	15.5	25%
	R	7.0%	130	121	9	62.3	145	135	10	61.1	145	135	10	45.6	15.5	25%
Seven Fields Blvd PM																
SR 228 EB	L	1.0%	130	129	1	6.8	145	144	1	85.0	145	144	1	19.7	65.3	77%
	T	1.0%	1225	1213	12	4.8	1400	1386	14	90.1	1400	1386	14	7.5	82.6	92%
	R	0.0%	110	110	0	2.5	125	125	0	6.0	125	125	0	6.5	(0.5)	-8%
SR 228 WB	L	3.0%	15	15	0	5.4	15	15	0	28.9	15	15	0	5.3	23.6	82%
	T	1.0%	1005	995	10	9.8	1150	1139	12	43.5	1150	1139	12	9.2	34.3	79%
	R	0.0%	175	175	0	4.6	195	195	0	7.7	195	195	0	3.7	4.0	52%
Intersecting Road NB	L	0.0%	40	40	0	39.4	45	45	0	56.8	45	45	0	38.9	17.9	32%
	T	0.0%	20	20	0	37.4	25	25	0	52.2	25	25	0	36.5	15.7	30%
	R	0.0%	15	15	0	38.3	115	115	0	52.8	115	115	0	37.3	15.5	29%
Intersecting Road SB	L	0.0%	205	205	0	53.2	220	220	0	86.6	220	220	0	53.5	33.1	38%
	T	0.0%	25	25	0	38.7	30	30	0	55.0	30	30	0	37.9	17.1	31%
	R	1.0%	155	153	2	38.7	175	173	2	55.0	175	173	2	37.9	17.1	31%
Seven Fields Blvd SAT																
SR 228 EB	L	2.0%		0	0	70.0	120	118	2	89.6	120	118	2	38.1	51.5	57%
	T	2.0%		0	0	8.2	1040	1019	21	10.7	1040	1019	21	1.9	8.8	82%
	R	0.0%		0	0	4.3	95	95	0	4.1	95	95	0	0.1	4.0	98%
SR 228 WB	L	0.0%		0	0	5.6	10	10	0	12.3	10	10	0	7.8	4.5	37%
	T	2.0%		0	0	27.3	1350	1323	27	71.4	1350	1323	27	17.4	54.0	76%
	R	0.0%		0	0	5.8	210	210	0	6.8	210	210	0	11.4	(4.6)	-68%
Intersecting Road NB	L	0.0%		0	0	64.5	75	75	0	81.5	75	75	0	37.1	44.4	54%
	T	0.0%		0	0	54.5	35	35	0	54.0	35	35	0	32.9	21.1	39%
	R	0.0%		0	0	55.0	15	15	0	54.3	15	15	0	33.5	20.8	38%
Intersecting Road SB	L	1.0%		0	0	81.6	175	173	2	88.6	175	173	2	45.1	43.5	49%
	T	0.0%		0	0	55.4	25	25	0	56.2	25	25	0	33.6	22.6	40%
	R	1.0%		0	0	55.4	155	153	2	56.2	155	153	2	33.6	22.6	40%
Adams Ridge Blvd AM																
SR 228 EB	L	0.0%	0	0	0		0	0	0	-	0	0	0	-	-	#DIV/0!
	T	11.0%	680	605	75	17.1	775	690	85	27.7	775	690	85	14.5	13.2	48%
	R	14.0%	70	60	10	13.2	85	73	12	14.3	85	73	12	5.5	8.8	62%
SR 228 WB	L	15.0%	55	47	8	11.8	65	55	10	18.6	65	55	10	4.1	14.5	78%
	T	8.0%	885	814	71	21.4	1020	938	82	36.9	1020	938	82	4.1	32.8	89%
	R	0.0%	0	0	0		0	0	0	-	0	0	0	-	-	#DIV/0!
Intersecting Road NB	L	1.0%	410	406	4	62.3	475	470	5	66.8	475	470	5	39.8	27.0	40%
	T	0.0%	0	0	0		0	0	0	-	0	0	0	-	-	#DIV/0!
	R	1.0%	225	223	2	44.3	255	252	3	42.4	255	252	3	28.5	13.9	33%
Adams Ridge Blvd PM																
SR 228 EB	L		0	0	0		0	0	0	-	0	0	0	-	-	#DIV/0!
	T	2.0%	1020	1000	20	8.8	1150	1127	23	24.5	1150	1127	23	11.2	13.3	54%
	R	0.0%	425	425	0	4.0	485	485	0	13.3	485	485	0	5.0	8.3	62%
SR 228 WB	L	0.0%	215	215	0	28.8	245	245	0	318.0	245	245	0	43.7	274.3	86%
	T	3.0%	965	936	29	4.9	1095	1062	33	18.7	1095	1062	33	5.0	13.7	73%
	R		0	0	0		0	0	0	-	0	0	0	-	-	#DIV/0!
Intersecting Road NB	L	2.0%	230	225	5	51.3	265	260	5	91.1	265	260	5	51.7	39.4	43%
	T		0	0	0		0	0	0	-	0	0	0	-	-	#DIV/0!
	R	1.0%	175	173	2	42.9	195	193	2	62.0	195	193	2	41.9	20.1	32%
Adams Ridge Blvd SAT																
SR 228 EB	L			0	0		0	0	0	-	0	0	0	-	-	#DIV/0!
	T	1.0%		0	0	16.4	945	936	9	17.8	945	936	9	9.1	8.7	49%
	R	1.0%		0	0	13.9	285	282	3	12.2	285	282	3	4.9	7.3	60%
SR 228 WB	L	1.0%		0	0	25.4	160	158	2	42.5	160	158	2	20.5	22.0	52%
	T	2.0%		0	0	18.3	1235	1210	25	24.8	1235	1210	25	12.4	12.4	50%
	R			0	0		0	0	0	-	0	0	0	-	-	#DIV/0!
Intersecting Road NB	L	1.0%		0	0	97.6	330	327	3	134.3	330	327	3	39.8	94.5	70%
	T			0	0		0	0	0	-	0	0	0	-	-	#DIV/0!
	R	1.0%		0	0	55.8	140	139	1	56.6	140	139	1	30.5	26.1	46%
Myoma Road AM																
SR 228 EB	L	1.0%	85	84	1	1.0	100	99	1	1.2	100	99	1	1.2	-	0%
	T	9.0%	810	737	73	1.0	920	837	83	1.2	920	837	83	1.2	-	0%

Travel Time Data

			2025 Opening Year				2045 No Build with expected growth				2045 Build with expected growth				Delay Reduction	
		% Commercial Vehicles	Vehicles per Hour	Passenger Vehicles	Commercial Vehicles	Delay (Seconds/vehicle)	Vehicles per Hour	Passenger Vehicles	Commercial Vehicles	Delay (Seconds/vehicle)	Vehicles per Hour	Passenger Vehicles	Commercial Vehicles	Delay (Seconds/vehicle)	Delay (Seconds/vehicle)	% Reduction
SR 228 WB	R	2.0%	0	0	0	1.0	60	59	1	1.2	60	59	1	1.2	-	0%
	L	2.0%	0	0	0	0.0	165	162	3		165	162	3		-	#DIV/0!
	T	7.0%	890	828	62	0.0	1025	953	72	-	1025	953	72	-	-	#DIV/0!
	R	7.0%	40	37	3	0.0	50	47	4		50	47	4		-	#DIV/0!
Intersecting Road NB	L	2.0%		0	0	0.0	175	172	4		175	172	4		-	#DIV/0!
	T	2.0%		0	0	0.0	50	49	1		50	49	1		-	#DIV/0!
	R	2.0%		0	0	0.0	110	108	2		110	108	2		-	#DIV/0!
Intersecting Road SB	L	0.0%	15	15	0	51.1	10	10	0	72.5	10	10	0	23.5	49.0	68%
	T	2.0%		0	0	51.1	40	39	1	72.5	40	39	1	23.5	49.0	68%
	R	7.0%	50	47	4	51.1	65	60	5	72.5	65	60	5	23.5	49.0	68%
Myoma Road PM																
SR 228 EB	L	0.0%	100	100	0	1	115	115	0	1.3	115	115	0	1.3	-	0%
	T	2.0%	1095	1073	22	1	1235	1210	25	1.3	1235	1210	25	1.3	-	0%
	R	2.0%	0	0	0	1	70	69	1	1.3	70	69	1	1.3	-	0%
SR 228 WB	L	2.0%	0	0	0	0	170	167	3		170	167	3		-	#DIV/0!
	T	2.0%	1115	1093	22	0	1260	1235	25	-	1260	1235	25	-	-	#DIV/0!
	R	0.0%	25	25	0	0	35	35	0		35	35	0		-	#DIV/0!
Intersecting Road NB	L	2.0%		0	0	0	150	147	3		150	147	3		-	#DIV/0!
	T	2.0%		0	0	0	40	39	1		40	39	1		-	#DIV/0!
	R	2.0%		0	0	0	100	98	2		100	98	2		-	#DIV/0!
Intersecting Road SB	L	11.0%	15	13	2	245	20	18	2	912.8	20	18	2	103.7	809.1	89%
	T	2.0%		0	0	245	50	49	1	912.8	50	49	1	103.7	809.1	89%
	R	4.0%	65	62	3	245	80	77	3	912.8	80	77	3	103.7	809.1	89%
Myoma Road SAT																
SR 228 EB	L			0	0	0.8				0.9				0.9	-	0%
	T			0	0	0.8				0.9				0.9	-	0%
	R			0	0	0.8				0.9				0.9	-	0%
SR 228 WB	L			0	0	0.0									-	#DIV/0!
	T			0	0	0.0				-				-	-	#DIV/0!
	R			0	0	0.0									-	#DIV/0!
Intersecting Road NB	L			0	0	0.0									-	#DIV/0!
	T			0	0	0.0									-	#DIV/0!
	R			0	0	0.0									-	#DIV/0!
Intersecting Road SB	L			0	0	82.1				199.8				35.9	163.9	82%
	T			0	0	82.1				199.8				35.9	163.9	82%
	R			0	0	82.1				199.8				35.9	163.9	82%
Heritage Creek Drive AM																
SR 228 EB	L	2.0%	45	44	1	10.4	45	44	1	18.7	45	44	1	5.7	13.0	70%
	T	10.0%	685	617	69	13.6	785	707	79	18.5	785	707	79	7.1	11.4	62%
	R	0.0%	115	115	0	4.9	120	120	0	5.3	120	120	0	0.1	5.2	98%
SR 228 WB	L	8.0%	75	69	6	9.9	80	74	6	14.4	80	74	6	1.9	12.5	87%
	T	5.0%	855	812	43	21.8	990	941	50	36.4	990	941	50	9.5	26.9	74%
	R	0.0%	215	215	0	9.6	245	245	0	11.1	245	245	0	12.0	(0.9)	-8%
Intersecting Road NB	L	25.0%	45	34	11	50.6	45	34	11	48.2	45	34	11	48.2	-	0%
	T	0.0%	0	0	0	-	0	0	0	-	0	0	0	42.7	(42.7)	#DIV/0!
	R	50.0%	35	18	18	41.7	35	18	18	39.6	35	18	18	42.7	(3.1)	-8%
Intersecting Road SB	L	5.0%	175	166	9	70.5	205	195	10	73.8	205	195	10	44.6	29.2	40%
	T	0.0%	15	15	0	48.1	20	20	0	46.0	20	20	0	43.3	2.7	6%
	R	3.0%	35	34	1	42.2	40	39	1	40.2	40	39	1	35.5	4.7	12%
Heritage Creek Drive PM																
SR 228 EB	L	2.0%	55	54	1	8.8	65	64	1	64.8	65	64	1	10.3	54.5	84%
	T	2.0%	845	828	17	11.8	980	960	20	73.9	980	960	20	13.3	60.6	82%
	R	0.0%	215	215	0	1.7	215	215	0	4.7	215	215	0	0.1	4.6	98%
SR 228 WB	L	0.0%	155	155	0	14.3	160	160	0	226.5	160	160	0	32.4	194.1	86%
	T	2.0%	865	848	17	21.4	1005	985	20	44.8	1005	985	20	6.9	37.9	85%
	R	0.0%	210	210	0	7.6	240	240	0	15.7	240	240	0	3.6	12.1	77%
Intersecting Road NB	L	0.0%	235	235	0	37.7	240	240	0	69.4	240	240	0	37.3	32.1	46%
	T	0.0%	25	25	0	48.1	30	30	0	43.7	30	30	0	48.5	(4.8)	-11%
	R	0.0%	180	180	0	41.2	180	180	0	40.9	180	180	0	41.5	(0.6)	-1%
Intersecting Road SB	L	1.0%	295	292	3	51.3	340	337	3	156.0	340	337	3	51.6	104.4	67%
	T	0.0%	15	15	0	51.8	20	20	0	43.4	20	20	0	51.1	(7.7)	-18%
	R	2.0%	45	44	1	43.2	55	54	1	37.6	55	54	1	42.3	(4.7)	-13%
Heritage Creek Drive SAT																

Travel Time Data

			2025 Opening Year				2045 No Build with expected growth				2045 Build with expected growth				Delay Reduction	
		% Commercial Vehicles	Vehicles per Hour	Passenger Vehicles	Commercial Vehicles	Delay (Seconds/vehicle)	Vehicles per Hour	Passenger Vehicles	Commercial Vehicles	Delay (Seconds/vehicle)	Vehicles per Hour	Passenger Vehicles	Commercial Vehicles	Delay (Seconds/vehicle)	Delay (Seconds/vehicle)	% Reduction
SR 228 EB	L	2.0%		0	0	10.0	55	54	1	69.1	55	54	1	5.9	63.2	91%
	T	2.0%		0	0	7.5	775	760	16	8.9	775	760	16	5.8	3.1	35%
	R	2.0%		0	0	2.0	190	186	4	2.0	190	186	4	3.4	(1.4)	-70%
SR 228 WB	L	4.0%		0	0	7.1	140	134	6	9.5	140	134	6	4.0	5.5	58%
	T	2.0%		0	0	21.3	1190	1166	24	39.1	1190	1166	24	7.4	31.7	81%
	R	0.0%		0	0	6.4	115	115	0	6.6	115	115	0	3.8	2.8	42%
Intersecting Road NB	L	2.0%		0	0	130.3	155	152	3	130.3	155	152	3	38.8	91.5	70%
	T	0.0%		0	0	56.8	10	10	0	56.8	10	10	0	42.0	14.8	26%
	R	0.0%		0	0	48.9	115	115	0	48.8	115	115	0	32.6	16.2	33%
Intersecting Road SB	L	1.0%		0	0	81.1	140	139	1	96.5	140	139	1	44.1	52.4	54%
	T	0.0%		0	0	56.8	10	10	0	56.8	10	10	0	44.3	12.5	22%
	R	3.0%		0	0	49.6	50	49	2	49.5	50	49	2	36.1	13.4	27%
Scharberry Lane AM																
SR 228 EB	L			0	0	0									-	#DIV/0!
	T		890	890	0	0				-				-	-	#DIV/0!
	R		5	5	0	0									-	#DIV/0!
SR 228 WB	L		0	0	0	0									-	#DIV/0!
	T		1145	1145	0	0				-				-	-	#DIV/0!
	R		0	0	0	0									-	#DIV/0!
Intersecting Road NB	L		0	0	0	0									-	#DIV/0!
	T		0	0	0	0				-				-	-	#DIV/0!
	R		0	0	0	0									-	#DIV/0!
Scharberry Lane PM																
SR 228 EB	L			0	0	0									-	#DIV/0!
	T		1315	1315	0	0				-				-	-	#DIV/0!
	R		5	5	0	0									-	#DIV/0!
SR 228 WB	L		0	0	0	0									-	#DIV/0!
	T		1230	1230	0	0				-				-	-	#DIV/0!
	R		0	0	0	0									-	#DIV/0!
Intersecting Road NB	L		0	0	0	28.3									25.2	67%
	T		0	0	0	28.3				37.8				12.6	-	#DIV/0!
	R		25	25	0	28.3									-	#DIV/0!
Sharberry Lane SAT																
SR 228 EB	L			0	0	0									-	#DIV/0!
	T			0	0	0				-				-	-	#DIV/0!
	R			0	0	0									-	#DIV/0!
SR 228 WB	L			0	0	0									(0.1)	#DIV/0!
	T			0	0	0				-				0.1	(0.1)	#DIV/0!
	R			0	0	0									(0.1)	#DIV/0!
Intersecting Road NB	L			0	0	17.1									8.6	44%
	T			0	0	17.1				19.5				10.9	8.6	44%
	R			0	0	17.1									8.6	44%
Beaver Street Extension AM																
SR 228 EB	L	0.0%	95	95	0	1.2	105	105	0	1.3	105	105	0	8.1	(6.8)	-523%
	T	11.0%	795	708	87	1.2	915	814	101	1.3	915	814	101	8.1	(6.8)	-523%
	R		0	0	0	1.2	0	0	0	1.3	0	0	0	8.1	(6.8)	-26%
SR 228 WB	L		0	0	0	0	0	0	0	-	0	0	0	17.2	(17.2)	
	T	8.0%	995	915	80	0	1155	1063	92	-	1155	1063	92	17.2	(17.2)	
	R	0.0%	0	0	0	0	0	0	0	-	0	0	0	17.2	(17.2)	
Intersecting Road SB	L	0.0%	0	0	0	31.2	5	5	0	53.3	5	5	0	42.2	11.1	21%
	T		0	0	0	31.2	165	165	0	53.3	165	165	0	42.2	11.1	21%
	R	1.0%	150	149	2	31.2	0	0	0	53.3	0	0	0	42.2	11.1	21%
Beaver Street Extension PM																
SR 228 EB	L	0.0%	305	305	0	3.6	335	335	0	4.7	335	335	0	14.1	(9.4)	-200%
	T	2.0%	1035	1014	21	3.6	1185	1161	24	4.7	1185	1161	24	14.1	(9.4)	-200%
	R		0	0	0	3.6	0	0	0	4.7	0	0	0	14.1	(9.4)	-200%
SR 228 WB	L		0	0	0	0	0	0	0	-	0	0	0	30.3	(30.3)	#DIV/0!
	T	2.0%	1070	1049	21	0	1225	1201	25	-	1225	1201	25	30.3	(30.3)	#DIV/0!
	R	0.0%	5	5	0	0	5	5	0	-	5	5	0	30.3	(30.3)	#DIV/0!
Intersecting Road NB	L	0.0%	0	0	0	40.6	20	20	0	84.7	20	20	0	47.9	36.8	43%
	T		0	0	0	40.6	0	0	0	84.7	0	0	0	47.9	36.8	43%
	R	0.0%	160	160	0	40.6	180	180	0	84.7	180	180	0	47.9	36.8	43%
Beaver Street Extension SAT																

Travel Time Data

			2025 Opening Year				2045 No Build with expected growth				2045 Build with expected growth				Delay Reduction	
		% Commercial Vehicles	Vehicles per Hour	Passenger Vehicles	Commercial Vehicles	Delay (Seconds/vehicle)	Vehicles per Hour	Passenger Vehicles	Commercial Vehicles	Delay (Seconds/vehicle)	Vehicles per Hour	Passenger Vehicles	Commercial Vehicles	Delay (Seconds/vehicle)	Delay (Seconds/vehicle)	% Reduction
SR 228 EB	L	1.0%		0	0	1.8	135	134	1	1.9	135	134	1	7.6	(5.7)	-300%
	T	1.0%		0	0	1.8	900	891	9	1.9	900	891	9	7.6	(5.7)	-300%
	R			0	0	1.8	0	0	0	1.9	0	0	0	7.6	(5.7)	-300%
SR 228 WB	L			0	0	0	0	0	0	-	0	0	0	21.1	(21.1)	#DIV/0!
	T	2.0%		0	0	0	1295	1269	26	-	1295	1269	26	21.1	(21.1)	#DIV/0!
	R	0.0%		0	0	0	25	25	0	-	25	25	0	21.1	(21.1)	#DIV/0!
Intersecting Road NB	L	0.0%		0	0	40.6	5	5	0	80.6	5	5	0	37.0	43.6	54%
	T			0	0	40.6	0	0	0	80.6	0	0	0	37.0	43.6	54%
	R	0.0%		0	0	40.6	155	155	0	80.6	155	155	0	37.0	43.6	54%

Corridor Totals		2025 No Build Base Year				2045 No-build				2045 Build				Delay Reduction	
		Total Vehicles per Hour	Passenger Vehicles	Commercial Vehicles	Average Delay (Seconds/vehicle)	Vehicles per Hour	Passenger Vehicles	Commercial Vehicles	Average Delay (Seconds/vehicle)	Vehicles per Hour	Passenger Vehicles	Commercial Vehicles	Total Delay (Seconds/vehicle)	Average Delay Reduction (Seconds/vehicle)	% Reduction
AM		19,120	17,710	1,410	2,725	22,965	21,331	1,634	40.0	22,965	21,331	1,634	25.1	14.0	#DIV/0!
PM		24,365	23,947	418	2,746	27,857	27,395	462	89.1	27,857	27,395	462	30.6	55.3	#DIV/0!
SAT		-	-	-	3,008	22,900	22,547	354	48.4	22,900	22,547	354	24.3	22.8	#DIV/0!

Average Delay - Seconds/Vehicle	Average Delay (Seconds/Vehicle)		
40.0	25.1	14.84	37%
89.1	30.6	58.55	66%
48.4	24.3	24.16	50%

Input	Monetized Value ($2021)	Source
General		
Discount Rate	3.1%	2024 Benefit-Cost Analysis Guidance for Discretionary Grant Programs
Discount Rate CO2 Emissions Only	2%	2024 Benefit-Cost Analysis Guidance for Discretionary Grant Programs
Discount Year	2022	2024 Benefit-Cost Analysis Guidance for Discretionary Grant Programs
Dollar Year	2022	2024 Benefit-Cost Analysis Guidance for Discretionary Grant Programs
Deflator	See "Price Deflator" Sheet	U.S. Bureau of Economic Aanalysis, National Income and Product Accounts, Table 1.1.9, "Implicit Price Delfators for Gross Domestic Product (January 2023)"
First Year of Construction	2027	TBD
First Year of Benefits	2031	TBD
Analysis Period	2022-2052	2024 Benefit-Cost Analysis Guidance for Discretionary Grant Programs
Benefits Analysis Period	30	
Segment Length (Miles)	3.10	
Current Number of Lanes	2	
Weekday Peak Annualization Factor	260	2023 Benefit-Cost Analysis Guidance for Discretionary Grant Programs
Peak hour period	3	Traffic Design Report Route 228 Mars RR Bridge West Expansion
Weekday Peak Annualization*Peak hour period	780	
Weekend Peak Annualization Factor	105	2023 Benefit-Cost Analysis Guidance for Discretionary Grant Programs
Weekend Annualization Factor*Peak Hour Period	315	
General Annualization Factor	365	2023 Benefit-Cost Analysis Guidance for Discretionary Grant Programs
Project area population	49,937	US Census Data Tables, Age and Sex
Adams Township Population	14,438	US Census data tables, Age and Sex, Adams Township (https://data.census.gov/table?t=Populations+and+People&g=060XX00US4201900300,4201916920,4201969309)
Cranberry Township Population	32,594	US Census data tables, Age and Sex, Cranberry Township (https://data.census.gov/table?t=Populations+and+People&g=060XX00US4201900300,4201916920,4201969309)
Seven Fields Borough Population	2,905	US Census data tables, Age and Sex, Seven Fields Borough (https://data.census.gov/table?t=Populations+and+People&g=060XX00US4201900300,4201916920,4201969309)
30-year Population Average Annual Growth Rate (Butler County)	0.8%	USA FACTS Our Changing Population: Butler County Pennsylvania https://usafacts.org/data/topics/people-society/population-and-demographics/our-changing-population/state/pennsylvania/county/butler-county/?endDate=2021-01-01&startDate=1991-01-01
Costs		
Road Maintenance Costs		
PennDOT estimated cost of seal coating per mile ($2021)	$26,429	PennDOT Road Maintenance and Preservation
PennDOT estimated cost of resurfacing per mile ($2021)	$108,498	PennDOT Road Maintenance and Preservation
Safety		
K - Killed	$12,500,000	Table A-1, 2024 Benefit-Cost Analysis Guidance for Discretionary Grant Programs
A - Incapacitating	$1,188,200	Table A-1, 2024 Benefit-Cost Analysis Guidance for Discretionary Grant Programs
B- Non-incapacitating	$233,800	Table A-1, 2024 Benefit-Cost Analysis Guidance for Discretionary Grant Programs
C - Possible Injury	$111,700	Table A-1, 2024 Benefit-Cost Analysis Guidance for Discretionary Grant Programs
U - Injured (severity unknown)	$217,600	Table A-1, 2024 Benefit-Cost Analysis Guidance for Discretionary Grant Programs
O- No Injury	$5,000	Table A-1, 2024 Benefit-Cost Analysis Guidance for Discretionary Grant Programs
Property Damage Only per vehicle	$9,100	Table A-1, 2024 Benefit-Cost Analysis Guidance for Discretionary Grant Programs
Travel Time Savings		
Passenger Vehicle All Travel	1.67	Table A-3, 2024 Benefit-Cost Analysis Guidance for Discretionary Grant Programs
Passenger Vehicle Weekday Off-Peak Average Occupancy	1.58	Table A-3, 2024 Benefit-Cost Analysis Guidance for Discretionary Grant Programs
Passenger Vehcile Weekend Average Occupancy	2.02	Table A-3, 2024 Benefit-Cost Analysis Guidance for Discretionary Grant Programs
Passenger Vehicle Weekday Peak Average Occupancy	1.48	Table A-3, 2024 Benefit-Cost Analysis Guidance for Discretionary Grant Programs
Commercial Vehicle Average Occupancy	1	Bureau of Transportation Statistics
General Travel Time Value of Travel Time Savings (VTTS) Personal	$17.90	Table A-2, 2024 Benefit-Cost Analysis Guidance for Discretionary Grant Programs
VTTS Business	$32.30	Table A-2, 2024 Benefit-Cost Analysis Guidance for Discretionary Grant Programs
VTTS All Purposes	$19.60	Table A-2, 2024 Benefit-Cost Analysis Guidance for Discretionary Grant Programs
Walking, Cycling, Waiting, Standing, and Transfer Time	$35.80	Table A-2, 2024 Benefit-Cost Analysis Guidance for Discretionary Grant Programs
Commercial Vehicle Truck Drivers	$33.50	Table A-2, 2024 Benefit-Cost Analysis Guidance for Discretionary Grant Programs
Commercial Vehicle Bus Drivers	$36.50	Table A-2, 2024 Benefit-Cost Analysis Guidance for Discretionary Grant Programs
Construction Travel Delays (% of exsiting drive time)	5%	PennDOT District 10
Growth Rate	0.68%	Anticipated growth rate for the corridor
Environment		
CO2 monetized value per metric ton ($2023)	$228	Table A-6, 2024 Benefit-Cost Analysis Guidance for Discretionary Grant Programs
Nox monetized value per metric ton ($2023)	$19,800	Table A-6, 2024 Benefit-Cost Analysis Guidance for Discretionary Grant Programs
Sox Monetized Value per metric ton ($2023)	$52,900	Table A-6, 2024 Benefit-Cost Analysis Guidance for Discretionary Grant Programs
PM2.5 monetized value per metric ton ($2023)	$951,000	Table A-6, 2024 Benefit-Cost Analysis Guidance for Discretionary Grant Programs
Idling Fuel Use (gal/hr) Gasoline Passenger Vehicle with Load	0.44	U.S. Office of Energy Efficiency and Renewable Energy/Argonne National Laboratory (2014)
Idling Fuel Use (gal/hr) Diesel Commerical Vehicle with Load	1.125	U.S. Office of Energy Efficiency and Renewable Energy/Argonne National Laboratory (2014)
CO2 emissions per gallon of gasoline (grams)	8887	Greenhouse Gases Equivalencies Calculator - Calculations and References
CO2 emissions per gallon of diesel gasoline (grams)	10180	Greenhouse Gases Equivalencies Calculator - Calculations and References
Number of grams in a metric ton	1000000	Greenhouse Gases Equivalencies Calculator - Calculations and References
Operating Costs		
2023 Average Retail Gasoline Price (All Grades)	$3.668	U.S. Energy Administration, Weekly Retail Gasoline and Diesel Prices (2023). - Central Atlantic (PADD 1B)
2023 Average On-Highway Diesel Price (All Types)	$4.541	U.S. Energy Administration, Weekly Retail Gasoline and Diesel Prices (2023). - Central Atlantic (PADD 1B)
Light Duty Vehicles	$0.52	Table A-4, 2024 Benefit-Cost Analysis Guidance for Discretionary Grant Programs
Commerical Trucks	$1.32	Table A-4, 2024 Benefit-Cost Analysis Guidance for Discretionary Grant Programs
External Highway Use Costs - TBD? Might be relevant?		

Total Savings	$	272,977,755.88
Total Savings (discounted)	$	151,312,777.08

Total Hours Saved - Summary		
	Passenger Hours Saved	Commerical Hours Saved
Franklin Road	2,821,647	58,235
Castle Creek West	3,694,537	76,314
Castle Creek East	1,988,976	41,252
Seven Fields Blvd	2,303,920	37,776
Adams Ridge Blvd	1,442,259	34,643
Myoma Road	950,820	28,796
Heritage Creek Drive	2,420,570	32,711
Beaver Street Ext	(894,369)	(20,561)

Transit Hours Reduced

Year	Franklin Road		Castle Creek West		Castle Creek East		Seven Fields Blvd		Adams Ridge Blvd		Myoma Road		Heritage Creek Drive		Beaver Street Ext		Total Hours Reduced		
	Passenger Vehicles	Commercial Vehicles	Passenger Vehicles	Commercial Vehicles	Passenger Vehicles	Commercial Vehicles	Passenger Vehicles	Commercial Vehicles	Passenger Vehicles	Commercial Vehicles	Passenger Vehicles	Commercial Vehicles	Passenger Vehicles	Commercial Vehicles	Passenger Vehicles	Commercial Vehicles	Passenger Vehicles	Commercial Vehicles	Total (hours)
2025	-	-	-	-	-	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	-	-
2026	-	-	-	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	-	-
2027	-	-	-	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	-	-
2028	(11,406.60)	(281.41)	(10,663.92)	(214.77)	-4933.18	-98.16	-6280.88	-103.34	-4731.97	-111.38	-2324.05	-70.54	-7367.78	-112.82	-814.56	-2.94	(48,523)	(995)	(49,518.29)
2029	(11,484.17)	(283.32)	(10,736.43)	(216.23)	-4970.56	-98.83	-6323.59	-104.04	-4764.15	-112.13	-2339.85	-71.02	-7417.89	-113.58	-820.10	-2.96	(48,857)	(1,002)	(49,858.84)
2030	(11,562.26)	(285.25)	(10,809.44)	(217.70)	-5009.63	-99.50	-6366.59	-104.75	-4796.55	-112.90	-2355.76	-71.50	-7468.33	-114.35	-825.68	-2.98	(49,194)	(1,009)	(50,203.15)
2031	120,451.36	2,458.84	157,616.68	3,255.00	82088.52	1757.24	98242.90	1610.89	61912.09	1483.23	40597.79	1229.88	103315.28	1397.89	-37721.81	-869.20	626,503	12,364	638,866.57
2032	121,270.43	2,515.83	158,688.47	3,277.14	82695.52	1769.19	98910.95	1621.84	62333.10	1493.32	40873.85	1238.24	104017.82	1407.39	-37978.32	-875.11	630,812	12,448	643,259.67
2033	122,095.07	2,532.94	159,767.56	3,299.42	83317.75	1781.22	99583.55	1632.87	62756.96	1503.47	41151.79	1246.66	104725.14	1416.96	-38236.57	-881.06	635,161	12,532	647,693.73
2034	122,925.31	2,550.16	160,853.98	3,321.86	83956.83	1793.34	100260.71	1643.97	63183.71	1513.70	41431.63	1255.14	105437.27	1426.60	-38496.58	-887.05	639,553	12,618	652,170.57
2035	123,761.20	2,567.50	161,947.78	3,344.45	84614.75	1805.53	100942.49	1655.15	63613.36	1523.99	41713.36	1263.68	106154.25	1436.30	-38758.36	-893.08	643,989	12,704	656,692.34
2036	124,602.78	2,584.96	163,049.03	3,367.19	85293.94	1817.81	101628.90	1666.41	64045.93	1534.35	41997.01	1272.27	106876.10	1446.06	-39021.91	-899.16	648,472	12,790	661,261.66
2037	125,450.08	2,602.54	164,157.76	3,390.09	85997.40	1830.17	102319.97	1677.74	64481.44	1544.79	42282.59	1280.92	107602.85	1455.90	-39287.26	-905.27	653,005	12,877	665,881.70
2038	126,303.14	2,620.24	165,274.03	3,413.14	86728.77	1842.61	103015.75	1689.15	64919.92	1555.29	42570.11	1289.63	108334.55	1465.80	-39554.42	-911.43	657,592	12,964	670,556.29
2039	127,162.00	2,638.05	166,397.90	3,436.35	87492.56	1855.14	103716.26	1700.63	65361.37	1565.87	42859.59	1298.40	109071.23	1475.77	-39823.39	-917.62	662,238	13,053	675,290.10
2040	128,026.70	2,655.99	167,529.40	3,459.71	88294.29	1867.76	104421.53	1712.20	65805.83	1576.52	43151.04	1307.23	109812.91	1485.80	-40094.19	-923.86	666,948	13,141	680,088.86
2041	128,897.28	2,674.05	168,668.60	3,483.24	89140.80	1880.46	105131.59	1723.84	66253.31	1587.24	43444.46	1316.12	110559.64	1495.90	-40366.83	-930.15	671,729	13,231	684,959.57
2042	129,773.79	2,692.24	169,815.55	3,506.93	90040.54	1893.25	105846.49	1735.56	66703.83	1598.00	43739.88	1325.07	111311.45	1506.08	-40641.32	-936.47	676,590	13,321	689,910.88
2043	130,656.25	2,710.54	170,970.30	3,530.77	91004.06	1906.12	106566.24	1747.36	67157.42	1608.90	44037.32	1334.08	112068.36	1516.32	-40917.68	-942.84	681,542	13,411	694,953.51
2044	131,544.71	2,728.98	172,132.89	3,554.78	92044.48	1919.08	107290.89	1759.25	67614.09	1619.84	44336.77	1343.15	112830.43	1526.63	-41195.92	-949.25	686,598	13,502	700,100.80
2045	140,543.40	2,748.59	173,303.40	3,578.96	93178.32	1932.13	108020.47	1771.21	68073.86	1630.85	44638.26	1352.28	113597.68	1537.01	-41476.05	-955.71	699,879	13,595	713,474.66
2046	133,339.80	2,766.22	174,481.86	3,603.12	94426.33	1945.27	108755.01	1783.13	68536.76	1641.94	44941.80	1361.48	114370.14	1547.46	-41758.09	-962.20	697,094	13,686	710,780.04
2047	134,246.51	2,785.03	175,668.34	3,627.80	95814.80	1958.50	109494.54	1795.38	69002.81	1653.11	45247.40	1370.74	115147.86	1557.98	-42042.05	-968.75	702,580	13,780	716,360.00
2048	135,159.39	2,803.96	176,862.88	3,652.46	97377.12	1971.82	110239.11	1807.59	69472.03	1664.35	45555.09	1380.06	115930.86	1568.58	-42327.93	-975.33	708,269	13,873	722,142.03
2049	136,078.47	2,823.03	178,065.55	3,677.30	99155.95	1985.22	110988.73	1819.88	69944.44	1675.66	45864.86	1389.44	116719.19	1579.24	-42615.76	-981.97	714,201	13,968	728,169.26
2050	137,003.81	2,842.23	179,276.39	3,702.31	101206.01	1998.72	111743.46	1832.25	70420.07	1687.06	46176.74	1398.89	117512.88	1589.98	-42905.55	-988.64	720,434	14,063	734,496.61
2051	137,935.43	2,861.56	180,495.47	3,727.48	103597.84	2012.32	112503.31	1844.71	70898.92	1698.53	46490.74	1408.40	118311.97	1600.80	-43197.31	-995.37	727,036	14,158	741,194.81
2052	138,873.39	2,881.01	181,722.84	3,752.83	106422.84	2026.00	113268.34	1857.26	64060.77	1619.44	44738.05	1347.23	119116.49	1611.68	-43491.05	-1002.14	724,712	14,093	738,804.98
Total	2,821,647	58,235	3,694,537	76,314	1,988,976	41,252	2,303,920	37,776	1,442,259	34,643	950,820	28,796	2,420,570	32,711	(894,369)	(20,561)	14,728,362	289,167	15,017,528

Time Travel Savings

Year	Franklin Road		Castle Creek West		Castle Creek East		Seven Fields Blvd		Adams Ridge Blvd		Myoma Road		Heritage Creek Drive		Beaver Street Ext		Total Hours Reduced			
	Passenger Vehicles	Commercial Vehicles	Passenger Vehicles	Commercial Vehicles	Passenger Vehicles	Commercial Vehicles	Passenger Vehicles	Commercial Vehicles	Passenger Vehicles	Commercial Vehicles	Passenger Vehicles	Commercial Vehicles	Passenger Vehicles	Commercial Vehicles	Passenger Vehicles	Commercial Vehicles	Passenger Vehicles	Commercial Vehicles	Total	Total Discounted
2025	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2026	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2027	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2028	$ (204,178.19)	$ (9,089.40)	$ (190,884.11)	$ (6,936.93)	$ (88,304.00)	$ (3,170.51)	$ (112,427.76)	$ (3,337.85)	$ (84,702.33)	$ (3,597.44)	$ (41,600.46)	$ (2,278.40)	$ (131,883.35)	$ (3,643.93)	$ (14,580.69)	$ (94.87)	$ (868,560.89)	$ (32,149.33)	$ (900,710.22)	$ (749,951.36)
2029	$ (205,566.60)	$ (9,151.20)	$ (192,182.12)	$ (6,984.10)	$ (88,973.03)	$ (3,192.07)	$ (113,192.27)	$ (3,360.59)	$ (85,278.31)	$ (3,621.90)	$ (41,883.34)	$ (2,293.89)	$ (132,780.16)	$ (3,668.71)	$ (14,679.84)	$ (95.51)	$ (874,535.67)	$ (32,367.94)	$ (906,903.61)	$ (732,403.61)
2030	$ (206,964.45)	$ (9,213.43)	$ (193,488.96)	$ (7,031.59)	$ (89,672.30)	$ (3,213.78)	$ (113,961.98)	$ (3,383.40)	$ (85,858.20)	$ (3,646.13)	$ (42,168.15)	$ (2,309.49)	$ (133,683.06)	$ (3,693.65)	$ (14,779.67)	$ (96.16)	$ (880,576.77)	$ (32,588.04)	$ (913,164.81)	$ (715,286.20)
2031	$ 2,156,079.31	$ 80,712.46	$ 2,821,338.60	$ 105,136.61	$ 1,469,384.46	$ 56,758.96	$ 1,758,547.91	$ 52,031.61	$ 1,108,226.49	$ 47,908.41	$ 726,700.38	$ 39,725.15	$ 1,849,343.47	$ 45,151.70	$ (675,220.41)	$ (28,075.11)	$ 11,214,400.20	$ 399,349.79	$ 11,613,749.99	$ 8,823,573.04
2032	$ 2,170,740.65	$ 81,261.30	$ 2,840,523.70	$ 105,851.54	$ 1,480,249.75	$ 57,144.92	$ 1,770,506.03	$ 52,385.43	$ 1,115,762.43	$ 48,234.19	$ 731,641.94	$ 39,995.28	$ 1,861,919.01	$ 45,458.74	$ (679,811.91)	$ (28,266.03)	$ 11,291,531.60	$ 402,065.37	$ 11,693,596.97	$ 8,617,106.66
2033	$ 2,185,501.68	$ 81,813.88	$ 2,859,839.56	$ 106,571.33	$ 1,491,387.68	$ 57,533.93	$ 1,782,547.47	$ 52,743.27	$ 1,123,349.65	$ 48,562.18	$ 736,617.11	$ 40,267.42	$ 1,874,580.06	$ 45,767.94	$ (684,434.63)	$ (28,458.23)	$ 11,369,386.24	$ 404,799.41	$ 11,774,185.65	$ 8,415,609.23
2034	$ 2,200,363.09	$ 82,370.21	$ 2,879,286.17	$ 107,296.02	$ 1,502,827.21	$ 57,924.73	$ 1,794,666.78	$ 53,100.29	$ 1,130,988.39	$ 48,892.40	$ 741,626.10	$ 40,541.06	$ 1,887,327.20	$ 46,079.08	$ (689,088.79)	$ (28,651.75)	$ 11,447,996.17	$ 407,552.05	$ 11,855,548.21	$ 8,218,974.97
2035	$ 2,215,325.56	$ 82,930.33	$ 2,898,865.31	$ 108,025.63	$ 1,514,603.96	$ 58,318.62	$ 1,806,870.52	$ 53,461.37	$ 1,138,679.11	$ 49,224.87	$ 746,669.16	$ 40,816.74	$ 1,900,161.03	$ 46,392.41	$ (693,774.59)	$ (28,846.58)	$ 11,527,400.06	$ 410,323.40	$ 11,937,723.46	$ 8,027,103.55
2036	$ 2,230,389.78	$ 83,494.26	$ 2,918,577.60	$ 108,760.21	$ 1,526,761.55	$ 58,715.19	$ 1,819,157.24	$ 53,824.91	$ 1,146,422.13	$ 49,559.60	$ 751,746.51	$ 41,094.30	$ 1,913,082.12	$ 46,707.88	$ (698,492.26)	$ (29,042.74)	$ 11,607,644.67	$ 413,113.60	$ 12,020,758.27	$ 7,839,900.48
2037	$ 2,245,556.43	$ 84,062.02	$ 2,938,423.93	$ 109,499.77	$ 1,539,353.41	$ 59,114.45	$ 1,831,527.50	$ 54,190.92	$ 1,154,217.80	$ 49,896.61	$ 756,858.39	$ 41,373.74	$ 1,926,091.08	$ 47,025.50	$ (703,242.01)	$ (29,240.23)	$ 11,688,786.53	$ 415,922.77	$ 12,104,709.30	$ 7,657,277.48
2038	$ 2,260,826.21	$ 84,633.64	$ 2,958,405.21	$ 110,244.37	$ 1,552,445.03	$ 59,516.43	$ 1,843,981.89	$ 54,559.42	$ 1,162,066.48	$ 50,235.90	$ 762,005.03	$ 41,655.08	$ 1,939,188.50	$ 47,345.27	$ (708,024.05)	$ (29,439.06)	$ 11,770,894.29	$ 418,751.05	$ 12,189,645.34	$ 7,479,153.14
2039	$ 2,276,199.83	$ 85,209.15	$ 2,978,522.36	$ 110,994.04	$ 1,566,116.83	$ 59,921.14	$ 1,856,520.97	$ 54,930.42	$ 1,169,968.53	$ 50,577.51	$ 767,186.66	$ 41,938.33	$ 1,952,374.98	$ 47,667.22	$ (712,838.61)	$ (29,639.25)	$ 11,854,051.55	$ 421,598.55	$ 12,275,650.11	$ 7,305,453.68
2040	$ 2,291,677.99	$ 85,788.57	$ 2,998,776.32	$ 111,743.79	$ 1,580,467.83	$ 60,328.60	$ 1,869,145.31	$ 55,303.95	$ 1,177,924.32	$ 50,921.43	$ 772,403.53	$ 42,223.51	$ 1,965,651.13	$ 47,991.35	$ (717,685.92)	$ (29,840.80)	$ 11,938,360.50	$ 424,465.43	$ 12,362,825.93	$ 7,136,114.00
2041	$ 2,307,261.40	$ 86,371.93	$ 3,019,168.00	$ 112,508.69	$ 1,595,620.29	$ 60,738.84	$ 1,881,855.50	$ 55,680.02	$ 1,185,934.20	$ 51,267.70	$ 777,655.87	$ 42,510.63	$ 1,979,017.56	$ 48,317.70	$ (722,566.18)	$ (30,043.71)	$ 12,023,946.63	$ 427,351.79	$ 12,451,298.42	$ 6,971,078.96
2042	$ 2,322,950.78	$ 86,959.26	$ 3,039,698.34	$ 113,273.75	$ 1,611,725.72	$ 61,151.86	$ 1,894,652.12	$ 56,058.64	$ 1,193,998.55	$ 51,616.32	$ 782,943.93	$ 42,799.71	$ 1,992,474.88	$ 48,646.26	$ (727,479.63)	$ (30,248.01)	$ 12,110,964.69	$ 430,257.78	$ 12,541,222.47	$ 6,810,305.06
2043	$ 2,338,746.84	$ 87,550.58	$ 3,060,368.29	$ 114,044.01	$ 1,628,973.60	$ 61,567.70	$ 1,907,535.75	$ 56,439.84	$ 1,202,117.74	$ 51,967.31	$ 788,267.95	$ 43,090.74	$ 2,006,023.71	$ 48,977.05	$ (732,426.49)	$ (30,453.70)	$ 12,199,606.39	$ 433,183.54	$ 12,632,789.92	$ 6,653,762.62
2044	$ 2,354,650.32	$ 88,145.93	$ 3,081,178.79	$ 114,819.51	$ 1,647,596.28	$ 61,986.36	$ 1,920,506.99	$ 56,823.63	$ 1,210,292.15	$ 52,320.69	$ 793,628.17	$ 43,383.76	$ 2,019,664.67	$ 49,310.09	$ (737,406.99)	$ (30,660.78)	$ 12,290,110.38	$ 436,129.18	$ 12,726,239.56	$ 6,501,438.49
2045	$ 2,515,726.83	$ 88,779.49	$ 3,102,130.81	$ 115,600.28	$ 1,667,891.93	$ 62,407.86	$ 1,933,566.44	$ 57,210.03	$ 1,218,522.13	$ 52,676.47	$ 799,024.85	$ 43,678.77	$ 2,033,398.39	$ 49,645.40	$ (742,421.36)	$ (30,869.28)	$ 12,527,840.02	$ 439,129.03	$ 12,966,969.05	$ 6,425,237.31
2046	$ 2,386,782.44	$ 89,348.79	$ 3,123,225.30	$ 116,380.89	$ 1,690,231.35	$ 62,832.24	$ 1,946,714.69	$ 57,595.22	$ 1,226,808.08	$ 53,034.67	$ 804,458.21	$ 43,975.79	$ 2,047,225.50	$ 49,982.99	$ (747,469.83)	$ (31,079.19)	$ 12,477,975.76	$ 442,071.39	$ 12,920,047.15	$ 6,209,492.86
2047	$ 2,403,012.56	$ 89,956.36	$ 3,144,463.23	$ 117,177.79	$ 1,715,084.92	$ 63,259.50	$ 1,959,952.35	$ 57,990.73	$ 1,235,150.38	$ 53,395.33	$ 809,928.53	$ 44,274.82	$ 2,061,146.63	$ 50,322.88	$ (752,552.62)	$ (31,290.53)	$ 12,576,185.99	$ 445,086.86	$ 13,021,272.84	$ 6,069,973.67
2048	$ 2,419,353.05	$ 90,568.06	$ 3,165,845.58	$ 117,974.60	$ 1,743,050.50	$ 63,689.66	$ 1,973,280.03	$ 58,385.07	$ 1,243,549.40	$ 53,758.39	$ 815,436.04	$ 44,575.89	$ 2,075,162.43	$ 50,665.07	$ (757,669.98)	$ (31,503.30)	$ 12,678,007.06	$ 448,113.45	$ 13,126,120.50	$ 5,934,868.35
2049	$ 2,435,804.65	$ 91,183.93	$ 3,187,373.33	$ 118,776.82	$ 1,774,891.53	$ 64,122.75	$ 1,986,698.33	$ 58,782.09	$ 1,252,005.54	$ 54,123.95	$ 820,981.01	$ 44,879.01	$ 2,089,273.53	$ 51,009.59	$ (762,822.13)	$ (31,717.52)	$ 12,784,205.79	$ 451,160.62	$ 13,235,366.41	$ 5,804,328.80
2050	$ 2,452,368.12	$ 91,803.98	$ 3,209,047.47	$ 119,584.51	$ 1,811,587.51	$ 64,558.78	$ 2,000,207.88	$ 59,181.81	$ 1,260,519.17	$ 54,491.99	$ 826,563.68	$ 45,184.18	$ 2,103,480.59	$ 51,356.46	$ (768,009.32)	$ (31,933.20)	$ 12,895,765.11	$ 454,228.51	$ 13,349,993.62	$ 5,678,562.76
2051	$ 2,469,044.23	$ 92,428.24	$ 3,230,868.99	$ 120,397.68	$ 1,854,401.25	$ 64,997.78	$ 2,013,809.30	$ 59,584.24	$ 1,269,090.70	$ 54,862.54	$ 832,184.31	$ 45,491.44	$ 2,117,784.26	$ 51,705.68	$ (773,231.79)	$ (32,150.35)	$ 13,013,951.25	$ 457,317.26	$ 13,471,268.51	$ 5,557,854.84
2052	$ 2,485,833.73	$ 93,056.76	$ 3,252,838.90	$ 121,216.39	$ 1,904,968.75	$ 65,439.77	$ 2,027,503.20	$ 59,989.42	$ 1,146,687.75	$ 52,307.90	$ 800,811.08	$ 43,515.44	$ 2,132,185.19	$ 52,057.28	$ (778,489.76)	$ (32,368.97)	$ 12,972,338.84	$ 455,213.98	$ 13,427,552.83	$ 5,373,248.31
Total	$ 50,507,486.25	$ 1,880,975.08	$ 66,132,210.28	$ 2,464,930.59	$ 35,602,671.02	$ 1,332,453.28	$ 41,240,170.19	$ 1,220,168.93	$ 25,816,442.24	$ 1,118,970.49	$ 17,019,686.53	$ 930,108.82	$ 43,328,209.37	$ 1,056,577.17	$ (16,009,199.48)	$ (664,104.86)	$ 263,637,676.39	$ 9,340,079.49	$ 272,977,755.88	$ 151,312,777.08

Year	Travel Delay Build - Passenger Hours	Travel Delay Build Commercial Hours	Travel Delay No Build Passenger Hours	Travel Delay No Build Commercial Hours	Hours saved Passneger	Hours Saved Commercial	Percent Reduction Passenger	Percent Reduction Commercial	Percent Reduction (overall)	Delay per vehicle (Build)	Delay per Vehicle (No Build)
2025	950,902	19,506	950,902	19,506	-	-	0%	0%	0%	34	34
2026	957,321	19,639	957,321	19,639	-	-	0%	0%	0%	34	34
2027	963,855	19,772	963,855	19,772	-	-	0%	0%	0%	34	34
2028	1,018,982	20,902	970,459	19,907	(48,523)	(995)	-5%	-5%	-5%	36	34
2029	1,025,992	21,044	977,135	20,042	(48,857)	(1,002)	-5%	-5%	-5%	36	34
2030	1,033,079	21,187	983,885	20,178	(49,194)	(1,009)	-5%	-5%	-5%	36	34
2031	364,209	7,952	990,712	20,316	626,503	12,364	63%	61%	63%	13	34
2032	366,808	8,006	997,620	20,454	630,812	12,448	63%	61%	63%	13	34
2033	369,453	8,060	1,004,614	20,593	635,161	12,532	63%	61%	63%	13	34
2034	372,147	8,115	1,011,700	20,733	639,553	12,618	63%	61%	63%	13	34
2035	374,896	8,170	1,018,885	20,874	643,989	12,704	63%	61%	63%	13	34
2036	377,706	8,226	1,026,178	21,016	648,472	12,790	63%	61%	63%	13	34
2037	380,585	8,282	1,033,590	21,159	653,005	12,877	63%	61%	63%	13	34
2038	383,541	8,338	1,041,133	21,303	657,592	12,964	63%	61%	63%	13	34
2039	386,586	8,395	1,048,824	21,447	662,238	13,053	63%	61%	63%	13	34
2040	389,734	8,452	1,056,682	21,593	666,948	13,141	63%	61%	63%	13	34
2041	393,003	8,509	1,064,731	21,740	671,729	13,231	63%	61%	63%	13	35
2042	396,412	8,567	1,073,003	21,888	676,590	13,321	63%	61%	63%	13	35
2043	399,990	8,625	1,081,532	22,037	681,542	13,411	63%	61%	63%	13	35
2044	403,769	8,684	1,090,367	22,187	686,598	13,502	63%	61%	63%	13	35
2045	412,774	8,751	1,112,653	22,346	699,879	13,595	63%	61%	63%	13	35
2046	412,106	8,803	1,109,200	22,489	697,094	13,686	63%	61%	63%	13	35
2047	416,783	8,863	1,119,363	22,642	702,580	13,780	63%	61%	63%	13	35
2048	421,905	8,923	1,130,173	22,796	708,269	13,873	63%	61%	63%	13	35
2049	427,578	8,983	1,141,780	22,951	714,201	13,968	63%	61%	63%	13	35
2050	433,941	9,045	1,154,375	23,107	720,434	14,063	62%	61%	62%	13	35
2051	441,171	9,106	1,168,207	23,264	727,036	14,158	62%	61%	62%	13	35
2052	458,886	9,329	1,183,597	23,423	724,712	14,093	61%	60%	61%	14	36
						Overall Average:	63%	61%	63%		

	AADT
2022	
2023	
2024	28,051
2025	28,242
2026	28,434
2027	28,627
2028	28,822
2029	29,018
2030	29,215
2031	29,414
2032	29,614
2033	29,815
2034	30,018
2035	30,222
2036	30,428
2037	30,634
2038	30,843
2039	31,052
2040	31,264
2041	31,476
2042	31,690
2043	31,906
2044	32,123
2045	32,341
2046	32,561
2047	32,783
2048	33,005
2049	33,230
2050	33,456
2051	33,683
2052	33,912