



Appendix B. VISSIM Model Intersection Results

Existing 7-8 AM

Intersection	Node	Approach	Movement	Movement						Intersection		
				Volume Demand (vph)	Volume Served (vph)	Vehicle Delay (sec)	Max Queue (feet)	Std. Dev. (feet)	95th Percentile (Avg. + 1.65xStd. Dev) (feet)	Volume Demand (vph)	Volume Served (vph)	Vehicle Delay (sec)
N Williams Ave & NE Hancock St	1001	EB	EBL	8	8	9.2	57	14	80	386	402	3.6
	1001		EBT	8	8	8.9	58	14	81			
	1001	WB	WBT	0	0	0.0	97	19	127			
	1001		WBR	83	80	8.1	95	19	126			
	1001	NB	NBL	8	10	2.4	0	0	0			
	1001		NBT	270	288	2.1	0	0	0			
1001	NBR	8	7	2.9	0	0	0	0				
NE Broadway St & N Williams Ave	1008	WB	WBT	1104	1133	7.5	271	22	307	2038	2110	10.6
	1008		WBR	764	786	11.5	273	15	297			
	1008	NB	NBL	17	14	26.3	106	25	148			
	1008		NBT	154	177	25.8	118	25	160			
NE Broadway St & N Vancouver Ave/I-5 SB Ramp	1009	SB	SBT	286	287	30.1	182	21	216	2141	2238	18.5
	1009		SET	490	540	22.9	308	48	387			
	1009		SBR	245	269	12.3	251	122	452			
	1009	WB	WBL	378	369	21.8	254	28	300			
	1009		WBT	743	773	11.8	254	28	300			
NE Broadway St & N Larrabee Ave	1010	EB	EBT	423	432	8.6	121	17	149	1631	1690	7.9
	1010		EBR	87	84	3.4	61	22	97			
	1010	SB	SBL	83	83	26.8	133	28	179			
	1010		SBT	4	4	31.3	27	6	36			
	1010	WB	WBL	17	17	34.3	82	53	169			
	1010		WBT	838	886	4.7	254	30	303			
	1010		WBR	87	91	2.7	72	51	155			
	1010		NBL	37	38	34.0	90	20	124			
	1010	NB	NBT	17	16	35.2	53	17	80			
	1010		NBR	37	39	5.4	53	19	84			
NE Weidler St & N Vancouver Ave	1055	EB	EBT	374	389	18.9	192	34	248	1702	1751	11.3
	1055		EBR	174	169	7.4	142	53	230			
	1055	SB	SBL	448	489	2.1	269	23	307			
	1055		SBT	706	704	14.3	269	23	307			
NE Wheeler Ave & N Ramsey Way/I-5 SB Ramp	1067	EB	EBL	8	11	16.4	39	17	66	963	978	9.7
	1067		EBT	58	57	21.6	55	14	78			
	1067		EBR	8	9	16.0	55	14	78			
	1067	SB	SBL	17	16	14.2	261	36	320			
	1067		SBT	125	142	7.4	261	36	320			
	1067	NB	SET	739	729	8.7	261	36	320			
	1067		NBT	8	14	22.6	58	14	82			
NE Weidler St & N Williams Ave	1068	EB	EBL	145	155	1.6	134	22	170	855	919	2.7
	1068		EBT	676	723	1.9	133	22	169			
	1068	NB	NBT	25	34	23.4	52	6	63			
	1068		NBR	8	7	9.3	76	15	101			
NE Broadway St & N Benton Ave	1098	EB	EBL	21	20	18.3	59	33	114	1560	1618	9.3
	1098		EBT	519	531	4.7	170	46	246			
	1098		EBR	4	4	3.3	174	46	251			
	1098	SB	SBL	17	16	17.8	62	11	81			
	1098		SBT	4	3	20.3	62	11	81			
	1098	WB	SBR	8	9	7.0	67	11	86			
	1098		WBL	8	7	21.3	34	18	64			
	1098		WBT	930	979	11.2	291	61	391			
	1098	NB	WBR	29	29	13.7	299	61	399			
	1098		NBL	4	3	19.8	29	8	42			
	1098	NB	NBT	4	4	17.9	46	3	52			
	1098		NBR	12	13	6.0	51	3	56			
	NE Broadway St & NE Victoria Ave	2001	SB	SBR	21	20	24.1	44	8			
2001		WB	WBT	1502	1498	17.1	312	42	381			
2001			WBR	8	11	15.0	313	42	382			
2001		NB	NBL	344	403	4.7	177	42	247			
2001	NBT		37	37	12.3	177	42	247				
NE Weidler St & NE Victoria Ave/I-5 NB Ramp	2091	EB	EBL	12	11	1.2	45	16	71	1685	1907	13.5
	2091		EBT	672	716	0.8	45	17	72			
	2091	NB	NBT	369	431	28.6	215	37	276			
	2091		NBR	631	749	17.2	335	157	595			
NE Weidler St & NE 2nd Ave	2247	EB	EBL	21	24	4.7	264	44	337	1361	1523	5.7
	2247		EBT	1224	1378	5.1	264	44	337			
	2247		EBR	58	66	7.4	264	44	337			
	2247	SB	SBL	8	4	12.2	39	21	73			
	2247		SBT	8	11	24.1	39	21	73			
	2247	NB	NBT	29	28	23.0	65	17	93			
	2247		NBR	12	12	7.9	69	17	96			
NE Broadway St & NE 2nd Ave	2248	SB	SBT	4	4	16.7	48	19	79	1598	1595	4.4
	2248		SBR	12	12	5.5	49	19	80			
	2248	WB	WBL	12	11	4.7	231	28	277			
	2248		WBT	1469	1469	3.4	231	28	277			
	2248		WBR	50	47	4.2	235	28	281			
	2248	NB	NBL	29	28	37.1	86	23	124			
2248	NBT		21	24	23.7	86	23	124				

Existing 8-9 AM

Intersection	Node	Approach	Movement	Movement						Intersection		
				Volume Demand (vph)	Volume Served (vph)	Vehicle Delay (sec)	Max Queue (feet)	Std. Dev. (feet)	95th Percentile (Avg. + 1.65xStd. Dev) (feet)	Volume Demand (vph)	Volume Served (vph)	Vehicle Delay (sec)
N Williams Ave & NE Hancock St	1001	EB	EBL	10	9	9.0	62	12	81	465	451	3.8
	1001		EBT	10	10	9.4	63	12	83			
	1001	WB	WBT	0	0	0.0	105	10	121			
	1001		WBR	100	99	8.7	107	13	129			
	1001	NB	NBL	10	9	3.0	0	0	0			
	1001		NBT	325	316	2.0	0	0	0			
1001	NBR	10	8	3.3	0	0	0	0				
NE Broadway St & N Williams Ave	1008	WB	WBT	1330	1302	8.2	269	9	285	2455	2392	11.0
	1008		WBR	920	898	11.8	273	13	295			
	1008	NB	NBL	20	15	28.4	98	19	129			
	1008		NBT	185	177	26.0	125	30	174			
NE Broadway St & N Vancouver Ave/I-5 SB Ramp	1009	SB	SBT	345	335	34.2	201	33	255	2580	2411	21.8
	1009		SET	590	508	23.1	304	52	390			
	1009		SBR	295	248	12.7	214	31	265			
	1009	WB	WBL	455	448	30.3	280	21	315			
	1009		WBT	895	872	14.4	280	21	315			
NE Broadway St & N Larrabee Ave	1010	EB	EBT	510	514	9.3	128	23	166	1965	1903	8.5
	1010		EBR	105	106	3.9	72	18	102			
	1010	SB	SBL	100	101	29.2	132	26	174			
	1010		SBT	5	4	38.6	30	11	49			
	1010		WBL	20	20	37.6	76	39	140			
	1010	WB	WBT	1010	955	4.6	274	24	313			
	1010		WBR	105	95	2.7	107	70	222			
	1010	NB	NBL	45	45	33.0	96	22	132			
	1010		NBT	20	20	34.4	68	20	101			
	1010		NBR	45	43	6.0	50	18	79			
1010	EBT		450	454	18.6	204	34	260				
1010	EBR		210	208	8.6	174	40	240				
NE Weidler St & N Vancouver Ave	1055	EB	EBL	540	463	2.6	271	25	312	2050	1946	12.3
	1055		EBT	850	821	15.2	271	25	312			
	1055	SB	SBL	540	463	2.6	271	25	312			
	1055		SBT	850	821	15.2	271	25	312			
NE Wheeler Ave & N Ramsey Way/I-5 SB Ramp	1067	EB	EBL	10	13	21.7	44	23	82	1160	1146	15.6
	1067		EBT	70	71	25.8	61	18	92			
	1067		EBR	10	9	25.6	61	18	92			
	1067	SB	SBL	20	19	19.4	324	58	420			
	1067		SBT	150	152	8.5	324	58	420			
	1067	NB	SET	890	868	15.5	324	58	420			
	1067		NBT	10	14	25.5	66	13	87			
NE Weidler St & N Williams Ave	1068	EB	EBL	175	159	1.8	133	23	171	1030	963	2.8
	1068		EBT	815	758	2.0	133	23	171			
	1068	NB	NBT	30	36	23.5	57	14	81			
	1068		NBR	10	10	13.0	90	31	141			
NE Broadway St & N Benton Ave	1098	EB	EBL	25	25	21.4	56	11	74	1880	1807	10.5
	1098		EBT	625	628	4.7	167	25	208			
	1098		EBR	5	5	2.1	172	25	212			
	1098	SB	SBL	20	17	17.9	70	17	98			
	1098		SBT	5	5	17.4	70	17	98			
	1098		SBR	10	11	8.1	74	17	102			
	1098	WB	WBL	10	5	20.4	31	22	68			
	1098		WBT	1120	1055	13.4	335	37	396			
	1098	NB	WBR	35	32	13.6	342	37	404			
	1098		NBL	5	4	21.9	28	6	39			
	1098	NB	NBT	5	6	18.4	49	3	55			
	1098		NBR	15	14	5.8	54	3	59			
	NE Broadway St & NE Victoria Ave	2001	SB	SBR	25	24	29.1	52	7			
2001		WBT		1810	1791	21.7	430	38	493			
2001		WB	WBR	10	9	21.1	431	38	495			
2001			NBL	415	387	6.4	195	35	253			
2001	NB	NBT	45	42	13.4	195	35	253				
2001		NBR	760	720	17.2	293	78	421				
NE Weidler St & NE Victoria Ave/I-5 NB Ramp	2091	EB	EBL	15	14	1.2	42	12	63	2030	1905	13.1
	2091		EBT	810	756	0.8	55	23	93			
	2091	NB	NBT	445	415	28.8	216	32	269			
	2091		NBR	760	720	17.2	293	78	421			
NE Weidler St & NE 2nd Ave	2247	EB	EBL	25	22	6.7	276	51	361	1640	1537	6.4
	2247		EBT	1475	1388	5.7	276	51	361			
	2247		EBR	70	61	7.3	276	51	361			
	2247	SB	SBL	10	6	13.4	63	28	110			
	2247		SBT	10	11	24.5	63	28	110			
	2247	NB	NBT	35	33	24.6	79	19	111			
	2247		NBR	15	16	9.6	83	19	115			
NE Broadway St & NE 2nd Ave	2248	SB	SBT	5	6	22.5	60	27	104	1925	1895	4.3
	2248		SBR	15	13	6.7	61	27	105			
	2248	WB	WBL	15	11	5.1	255	53	342			
	2248		WBT	1770	1747	3.4	255	53	342			
	2248		WBR	60	61	4.2	256	55	346			
	2248	NB	NBL	35	34	37.6	92	19	123			
2248	NBT		25	23	23.5	92	19	123				

Existing 4-5 PM

Intersection	Node	Approach	Movement	Movement						Intersection						
				Volume Demand (vph)	Volume Served (vph)	Vehicle Delay (sec)	Max Queue (feet)	Std. Dev. (feet)	95th Percentile (Avg. + 1.65xStd. Dev) (feet)	Volume Demand (vph)	Volume Served (vph)	Vehicle Delay (sec)				
N Williams Ave & NE Hancock St	1001	EB	EBL	5	4	8.8	37	1	39	624	607	4.9				
	1001		EBS	0	0	0.0	39	1	41							
	1001	WB	WBT	0	0	0.0	115	34	171							
	1001		WBR	130	128	10.7	114	34	171							
	1001	NB	NBL	5	4	4.2	0	0	0							
	1001		NBT	466	453	3.2	0	0	0							
NE Broadway St & N Williams Ave	1001	EB	NBR	19	18	3.5	0	0	0	2222	2175	11.0				
	1008		WBT	989	966	7.0	261	14	283							
	1008	WB	WBR	840	831	9.7	248	24	287							
	1008		NBL	38	32	24.3	134	17	162							
	1008	NB	NBT	355	346	24.4	188	51	273							
	1008		NBR	302	298	32.8	175	20	208							
NE Broadway St & N Vancouver Ave/I-5 SB Ramp	1009	SB	SET	662	566	23.0	359	99	522	2376	2179	20.2				
	1009		SBR	384	321	13.0	269	58	365							
	1009	WB	WBL	398	385	24.3	218	42	288							
	1009		WBT	629	609	12.7	218	42	288							
	NE Broadway St & N Larrabee Ave	1010	EB	EBT	1277	1283	20.4	548	163				816	2630	2577	16.6
		1010		EBR	230	228	9.7	75	13				96			
1010		SB	SBL	106	104	45.9	170	26	213							
1010			SBT	14	13	48.0	57	32	109							
1010		WB	WBL	19	15	59.2	80	50	163							
1010			WBT	730	690	4.1	232	39	297							
1010		NB	WBR	101	93	2.5	89	68	202							
1010			NBL	53	55	43.3	125	25	166							
1010		NB	NBT	38	37	45.3	91	22	128							
1010			NBR	62	59	16.6	73	20	107							
NE Weidler St & N Vancouver Ave	1055	EB	EBT	1133	1132	28.6	468	55	560	2688	2569	19.1				
	1055		EBR	192	190	17.5	205	128	416							
	1055	SB	SBL	547	469	6.6	253	14	277							
	1055		SBT	816	778	13.3	253	14	277							
	NE Wheeler Ave & N Ramsey Way/I-5 SB Ramp	1067	EB	EBL	48	47	22.2	76	11				95	1301	1282	23.6
1067		EBT		259	262	31.0	156	26	199							
1067		SB	SBL	29	28	30.6	334	79	464							
1067			SBT	226	213	14.9	334	79	464							
1067		NB	SET	658	650	22.8	334	79	464							
1067			NBT	14	18	22.1	70	17	98							
1067			NBR	14	18	22.1	70	17	98							
NE Weidler St & N Williams Ave	1068	EB	EBL	322	301	8.4	268	17	297	1771	1694	8.2				
	1068		EBT	1358	1299	6.4	267	17	295							
	1068	NB	NBT	72	74	35.7	97	24	137							
	1068		NBR	19	20	19.6	114	41	182							
	NE Broadway St & N Benton Ave	1098	EB	EBL	67	65	59.7	270	37				331	2544	2468	15.7
1098		EBT		1258	1258	10.7	286	26	330							
1098		EBR		120	121	11.9	290	26	333							
1098		SB	SBL	48	46	25.7	107	25	148							
1098			SBT	24	23	27.9	107	25	148							
1098		WB	SBR	14	15	9.8	111	25	153							
1098			WBL	67	53	49.7	147	57	241							
1098		NB	WBT	835	782	17.8	283	43	353							
1098			WBR	67	64	11.9	291	43	361							
1098		NB	NBL	0	0	0.0	0	0	0							
1098			NBT	19	19	24.8	84	24	124							
1098			NBR	24	22	10.6	89	24	128							
NE Broadway St & NE Victoria Ave		2001	SB	SBR	24	23	24.4	47	7	59	1949	1931	13.9			
	2001	WBT		1354	1326	17.5	274	61	374							
	2001	WB	WBR	14	25	19.5	275	61	375							
	2001		NBL	451	454	3.7	192	50	275							
	2001	NBT	106	103	8.7	192	50	275								
NE Weidler St & NE Victoria Ave/I-5 NB Ramp	2091	EB	EBL	29	23	4.4	253	37	315	2429	2380	11.3				
	2091		EBT	1349	1287	4.2	250	37	312							
	2091	NB	NBT	528	536	28.1	264	46	340							
	2091		NBR	523	534	12.0	396	194	716							
NE Weidler St & NE 2nd Ave	2247	EB	EBL	34	34	12.1	400	29	447	1963	1927	14.0				
	2247		EBT	1709	1679	13.3	400	29	447							
	2247		EBR	130	126	20.6	400	29	447							
	2247	SB	SBL	14	10	8.2	63	18	93							
	2247		SBT	14	18	25.6	63	18	93							
	2247	NB	NBT	48	47	19.5	79	15	103							
	2247		NBR	14	13	10.3	82	15	107							
NE Broadway St & NE 2nd Ave	2248	SB	SBT	10	10	18.8	50	14	73	1483	1464	7.5				
	2248		SBR	10	6	6.8	51	14	74							
	2248	WB	WBL	19	18	7.3	229	25	271							
	2248		WBT	1310	1297	6.0	229	25	271							
	2248	NB	WBR	53	52	6.1	233	25	275							
	2248		NBL	48	47	36.9	118	28	164							
2248	NBT	34	34	21.2	118	28	164									

Existing 5-6 PM

Intersection	Node	Approach	Movement	Movement						Intersection		
				Volume Demand (vph)	Volume Served (vph)	Vehicle Delay (sec)	Max Queue (feet)	Std. Dev. (feet)	95th Percentile (Avg. + 1.65xStd. Dev) (feet)	Volume Demand (vph)	Volume Served (vph)	Vehicle Delay (sec)
N Williams Ave & NE Hancock St	1001	EB	EBL	5	4	10.2	36	1	38	650	636	5.0
	1001		EBT	0	0	0.0	38	1	39			
	1001	WB	WBT	0	0	0.0	123	25	164			
	1001		WBR	135	133	11.5	122	25	163			
	1001	NB	NBL	5	4	4.1	0	0	0			
	1001		NBT	485	476	3.2	0	0	0			
1001		NBR	20	19	3.4	0	0	0				
NE Broadway St & N Williams Ave	1008	WB	WBT	1030	1003	8.2	259	22	296	2315	2256	12.2
	1008		WBR	875	858	10.7	253	25	294			
	1008	NB	NBL	40	30	26.7	145	39	209			
	1008		NBT	370	365	25.4	189	39	253			
NE Broadway St & N Vancouver Ave/I-5 SB Ramp	1009	SB	SBT	315	308	37.5	202	21	237	2475	2232	23.0
	1009		SET	690	559	25.1	328	42	397			
	1009		SBR	400	328	14.8	306	115	496			
	1009	WB	WBL	415	408	30.6	262	25	303			
	1009		WBT	655	629	13.5	262	25	303			
NE Broadway St & N Larrabee Ave	1010	EB	EBT	1330	1337	20.7	531	78	661	2740	2679	16.8
	1010		EBR	240	239	10.5	76	19	108			
	1010	SB	SBL	110	109	45.1	175	37	236			
	1010		SBT	15	15	44.6	45	9	60			
	1010	WB	WBL	20	17	57.1	74	26	117			
	1010		WBT	760	716	4.1	218	43	289			
	1010		WBR	105	95	2.6	72	22	107			
	1010		NBL	55	55	47.5	116	22	152			
	1010	NB	NBT	40	37	44.5	81	14	104			
	1010		NBR	65	59	16.4	78	13	100			
NE Weidler St & N Vancouver Ave	1055	EB	EBT	1180	1196	30.5	539	78	668	2800	2654	21.2
	1055		EBR	200	190	18.1	187	95	345			
	1055	SB	SBL	570	472	7.9	270	15	294			
	1055		SBT	850	796	15.8	269	15	294			
NE Wheeler Ave & N Ramsey Way/I-5 SB Ramp	1067	EB	EBL	50	47	23.2	81	19	112	1355	1312	33.1
	1067		EBT	270	268	35.8	179	49	259			
	1067		EBR	70	70	36.0	179	49	259			
	1067	SB	SBL	30	28	45.0	390	112	575			
	1067		SBT	235	212	15.9	390	112	575			
	1067	NB	SET	685	669	37.6	390	112	575			
	1067		NBT	15	18	24.2	66	13	88			
NE Weidler St & N Williams Ave	1068	EB	EBL	335	324	9.3	261	18	290	1845	1757	9.0
	1068		EBT	1415	1340	7.3	259	18	288			
	1068	NB	NBT	75	74	36.3	99	19	131			
	1068		NBR	20	19	18.9	103	27	147			
NE Broadway St & N Benton Ave	1098	EB	EBL	70	74	58.6	295	34	351	2650	2564	15.7
	1098		EBT	1310	1311	10.3	308	16	334			
	1098		EBR	125	121	10.2	312	16	338			
	1098	SB	SBL	50	47	28.0	121	27	166			
	1098		SBT	25	26	23.7	121	27	166			
	1098	WB	SBR	15	15	12.4	126	27	171			
	1098		WBL	70	52	49.7	150	34	205			
	1098		WBT	870	814	18.3	297	42	367			
	1098	NB	WBR	70	61	12.3	305	42	375			
	1098		NBL	0	0	0.0	0	0	0			
	1098		NBT	20	21	28.0	94	27	138			
	1098	NBR	25	22	9.5	98	27	142				
NE Broadway St & NE Victoria Ave	2001	SB	SBR	25	24	27.1	48	10	64	2030	1984	16.0
	2001	WB	WBT	1410	1392	19.9	368	81	501			
	2001		WBR	15	24	20.9	370	81	503			
	2001	NB	NBL	470	441	4.6	216	31	267			
2001	NBT		110	103	8.7	216	31	267				
NE Weidler St & NE Victoria Ave/I-5 NB Ramp	2091	EB	EBL	30	27	4.8	257	37	317	2530	2397	12.5
	2091		EBT	1405	1338	5.0	253	37	314			
	2091	NB	NBT	550	515	29.9	278	46	354			
2091	NBR		545	517	15.3	510	339	1069				
NE Weidler St & NE 2nd Ave	2247	EB	EBL	35	34	12.7	416	54	505	2045	1939	14.5
	2247		EBT	1780	1687	13.7	416	54	505			
	2247		EBR	135	124	21.6	416	54	505			
	2247	SB	SBL	15	12	6.5	59	19	90			
	2247		SBT	15	18	26.9	59	19	90			
	2247	NB	NBT	50	50	23.6	100	18	129			
	2247		NBR	15	14	11.7	103	18	133			
NE Broadway St & NE 2nd Ave	2248	SB	SBT	10	12	20.3	51	11	69	1545	1530	7.8
	2248		SBR	10	7	7.7	52	11	70			
	2248	WB	WBL	20	18	7.5	253	21	288			
	2248		WBT	1365	1355	6.2	253	21	288			
	2248		WBR	55	53	6.4	257	21	292			
	2248	NB	NBL	50	50	38.4	140	50	223			
2248	NBT		35	35	21.9	140	50	223				

Future No-Build Alternative 7-8 AM

Intersection	Node	Approach	Movement	Movement						Intersection		
				Volume Demand (vph)	Volume Served (vph)	Vehicle Delay (sec)	Max Queue (feet)	Std. Dev. (feet)	95th Percentile (Avg. + 1.65xStd. Dev) (feet)	Volume Demand (vph)	Volume Served (vph)	Vehicle Delay (sec)
N Williams Ave & NE Hancock St	1001	EB	EBL	8	8	9.7	57	14	80	560.25	572	4.4
	1001		EBT	8	8	10.7	58	14	81			
	1001	WB	WBT	0	0	0.0	114	14	137			
	1001		WBR	149	147	10.6	115	14	138			
	1001	NB	NBL	8	9	2.7	0	0	0			
	1001		NBT	378	392	1.9	0	0	0			
1001		NBR	8	8	2.5	0	0	0				
NE Broadway St & N Williams Ave	1008	WB	WBT	1050	1051	8.5	271	22	308	2066.7	2098	13.6
	1008		WBR	801	821	17.0	270	10	287			
	1008	NB	NBL	0	0	0.0	120	30	170			
	1008		NBT	216	226	24.9	150	36	209			
NE Broadway St & N Vancouver Ave/I-5 SB Ramp	1009	SB	SBT	212	205	32.2	168	27	212	2228.55	2185	20.4
	1009		SET	739	710	25.8	358	38	421			
	1009		SBR	228	223	13.7	227	67	336			
	1009	WB	WBL	427	417	22.3	270	27	315			
	1009		WBT	623	630	11.8	270	27	315			
	1009		WBR	801	821	17.0	270	10	287			
NE Broadway St & N Larrabee Ave	1010	EB	EBT	801	500	9.7	231	69	344	1784.5	1648	9.5
	1010		EBR	4	184	25.0	231	80	363			
	1010	SB	SBL	0	1	40.1	18	20	50			
	1010		SBT	21	15	43.8	63	28	109			
	1010	WB	WBL	4	2	22.8	22	8	35			
	1010		WBT	801	811	3.6	250	35	307			
	1010	NB	WBR	4	3	22.6	33	23	70			
	1010		NBL	58	48	31.0	90	22	127			
	1010		NBT	17	19	27.8	57	15	82			
	1010		NBR	75	65	6.9	63	20	96			
NE Weidler St & N Vancouver Ave	1055	EB	EBT	270	284	18.4	171	31	223	1863.35	1828	9.7
	1055		EBR	216	214	8.9	190	57	284			
	1055	SB	SBL	755	726	2.5	235	25	276			
	1055		SBT	623	604	14.4	235	25	276			
NE Wheeler Ave & N Ramsey Way/I-5 SB Ramp	1067	EB	EBL	33	35	19.8	71	25	112	1037.5	1033	13.6
	1067		EBT	100	102	23.8	88	15	112			
	1067		EBR	50	45	21.1	88	15	112			
	1067	SB	SBL	8	8	15.0	249	24	289			
	1067		SBT	71	75	7.5	249	24	289			
	1067		SET	759	750	11.7	249	24	289			
	1067	NB	NBT	17	18	25.0	71	13	92			
	NE Weidler St & N Williams Ave	1068	EB	EBL	166	172	2.2	165	51			
1068		EBT		859	837	2.4	164	51	247			
1068		NB	NBT	50	52	19.9	60	13	82			
1068			NBR	8	9	11.7	82	17	111			
NE Broadway St & N Benton Ave	1098	EB	EBL	46	46	28.6	167	52	252	1440.05	1665	12.0
	1098		EBT	473	28	5.1	12	3	16			
	1098		EBR	33	0	0.0	0	0	0			
	1098	SB	SBL	8	8	19.1	67	14	91			
	1098		SBT	21	19	18.0	67	14	91			
	1098		SBR	8	8	9.5	72	14	96			
	1098	WB	WBL	4	3	26.3	30	17	59			
	1098		WBT	789	1491	22.3	340	48	420			
	1098		WBR	33	38	16.9	302	43	373			
	1098	NB	NBL	12	11	18.3	43	12	63			
	1098		NBT	8	10	16.6	47	12	66			
	1098		NBR	4	3	6.3	51	12	70			
NE Broadway St & NE Victoria Ave	2001	SB	SBR	21	20	25.0	44	6	54	1904.85	1929	19.1
	2001	WB	WBT	1249	1238	25.8	326	107	503			
	2001		WBR	17	15	25.9	328	107	504			
	2001	NB	NBL	581	619	5.7	206	41	273			
	2001		NBT	37	37	13.4	206	41	273			
NE Weidler St & NE Victoria Ave/I-5 NB Ramp	2091	EB	EBL	12	11	1.4	56	27	101	2116.5	2160	14.4
	2091		EBT	855	828	0.9	55	26	98			
	2091	NB	NBT	606	647	32.7	288	32	342			
	2091		NBR	643	674	13.5	369	120	567			
NE Weidler St & NE 2nd Ave	2247	EB	EBL	125	104	9.0	293	76	418	1572.85	1576	8.1
	2247		EBT	1287	1313	7.5	293	76	418			
	2247		EBR	87	88	6.9	293	76	418			
	2247	SB	SBL	8	6	12.3	46	18	75			
	2247		SBT	8	9	17.7	46	18	75			
	2247	NB	NBT	46	46	22.6	80	16	107			
	2247		NBR	12	10	11.4	84	16	111			
NE Broadway St & NE 2nd Ave	2248	SB	SBT	4	6	22.5	98	27	142	1431.75	1412	8.8
	2248		SBR	120	117	8.7	99	27	143			
	2248		WBL	12	9	6.9	369	48	449			
	2248	WB	WBT	1079	1090	6.2	369	48	449			
	2248		WBR	46	40	6.9	372	48	451			
	2248	NB	NBL	66	46	38.6	178	37	240			
	2248		NBT	104	104	22.9	178	37	240			

Future No-Build Alternative 8-9 AM

Intersection	Node	Approach	Movement	Movement					Intersection			
				Volume Demand (vph)	Volume Served (vph)	Vehicle Delay (sec)	Average MAX Queue (feet)	Std. Dev. (feet)	95th Percentile (Avg. + 1.65xStd. Dev) (feet)	Volume Demand (vph)	Volume Served (vph)	Vehicle Delay (sec)
N Williams Ave & NE Hancock St	1001	EB	EBL	10	9	10.1	62	12	81	675	611	5.2
	1001		EBT	10	10	9.5	63	12	83			
	1001	WB	WBT	0	0	0.0	143	30	193			
	1001		WBR	180	180	12.3	141	30	191			
	1001	NB	NBL	10	9	1.4	0	0	0			
	1001		NBT	455	395	1.9	0	0	0			
1001		NBR	10	8	2.8	0	0	0				
NE Broadway St & N Williams Ave	1008	WB	WBT	1265	1176	11.2	287	12	306	2490	2322	15.0
	1008		WBR	965	912	17.5	274	9	289			
	1008	NB	NBL	0	0	0.0	133	45	208			
	1008		NBT	260	234	24.9	133	45	208			
NE Broadway St & N Vancouver Ave/I-5 SB Ramp	1009	SB	SBT	255	244	33.2	177	22	213	2685	2277	23.6
	1009		SET	890	652	26.2	372	72	491			
	1009		SBR	275	202	14.6	219	43	290			
	1009	WB	WBL	515	487	30.6	277	14	301			
	1009		WBT	750	692	15.5	277	14	301			
	1009		WBR	965	912	17.5	274	9	289			
NE Broadway St & N Larrabee Ave	1010	EB	EBT	965	603	12.8	357	91	507	2150	1839	12.1
	1010		EBR	5	221	32.2	346	106	520			
	1010	SB	SBL	0	2	45.2	18	12	38			
	1010		SBT	25	18	42.5	57	15	82			
	1010	WB	WBL	5	2	17.5	19	16	45			
	1010		WBT	965	839	3.7	246	34	302			
	1010		WBR	5	2	30.2	23	17	51			
	1010		NBL	70	58	34.3	100	20	133			
	1010	NB	NBT	20	24	33.2	65	27	110			
	1010		NBR	90	70	8.5	69	19	101			
NE Weidler St & N Vancouver Ave	1055	EB	EBT	325	331	18.2	211	64	316	2245	1962	12.2
	1055		EBR	260	258	11.7	248	60	347			
	1055	SB	SBL	910	677	3.5	271	14	294			
	1055		SBT	750	696	18.1	271	14	294			
NE Wheeler Ave & N Ramsey Way/I-5 SB Ramp	1067	EB	EBL	40	42	22.5	70	14	94	1250	1204	33.8
	1067		EBT	120	121	34.8	133	42	202			
	1067		EBR	60	56	34.3	133	42	202			
	1067	SB	SBL	10	8	36.0	432	99	595			
	1067		SBT	85	80	12.1	432	99	595			
	1067	NB	SET	915	879	36.2	432	99	595			
	1067		NBT	20	18	29.7	69	12	88			
NE Weidler St & N Williams Ave	1068	EB	EBL	200	179	2.3	141	21	175	1305	1076	3.7
	1068		EBT	1035	831	2.7	139	21	174			
	1068	NB	NBT	60	57	22.5	57	12	78			
	1068		NBR	10	9	10.5	92	12	111			
NE Broadway St & N Benton Ave	1098	EB	EBL	55	55	27.8	212	42	281	1735	1700	13.3
	1098		EBT	570	577	5.3	252	7	263			
	1098		EBR	40	41	4.6	255	7	266			
	1098	SB	SBL	10	7	22.2	76	11	94			
	1098		SBT	25	24	18.4	76	11	94			
	1098		SBR	10	12	9.1	80	11	99			
	1098	WB	WBL	5	2	21.1	31	19	63			
	1098		WBT	950	816	15.4	329	44	403			
	1098		WBR	40	36	18.4	336	44	409			
	1098	NB	NBL	15	15	20.1	51	15	76			
	1098		NBT	10	10	18.2	53	10	69			
	1098		NBR	5	4	6.1	58	10	73			
NE Broadway St & NE Victoria Ave	2001	SB	SBR	25	24	35.3	54	10	69	2295	2143	26.0
	2001	WB	WBT	1505	1475	32.8	410	86	551			
	2001		WBR	20	22	31.7	411	86	552			
	2001	NB	NBL	700	587	9.1	239	31	290			
2001	NBT		45	35	16.8	239	31	291				
NE Weidler St & NE Victoria Ave/I-5 NB Ramp	2091	EB	EBL	15	11	1.4	49	20	82	2550	2102	14.4
	2091		EBT	1030	835	0.8	59	32	112			
	2091	NB	NBT	730	610	35.1	349	149	594			
2091	NBR		775	646	12.6	289	70	405				
NE Weidler St & NE 2nd Ave	2247	EB	EBL	150	108	10.7	310	60	408	1895	1561	8.7
	2247		EBT	1550	1288	7.8	310	60	408			
	2247		EBR	105	80	6.8	310	60	408			
	2247	SB	SBL	10	6	12.0	54	17	82			
	2247		SBT	10	12	22.6	54	17	82			
	2247	NB	NBT	55	57	24.1	100	17	128			
	2247		NBR	15	10	12.6	104	17	132			
NE Broadway St & NE 2nd Ave	2248	SB	SBT	5	6	20.3	118	21	153	1725	1675	9.7
	2248		SBR	145	142	10.1	119	21	154			
	2248	WB	WBL	15	13	10.3	441	70	557			
	2248		WBT	1300	1299	7.4	441	70	557			
	2248		WBR	55	48	7.9	444	70	560			
	2248	NB	NBL	80	58	38.7	220	51	305			
2248	NBT		125	109	21.7	220	51	305				

Future No-Build Alternative 4-5 PM

Intersection	Node	Approach	Movement	Movement						Intersection		
				Volume Demand (vph)	Volume Served (vph)	Vehicle Delay (sec)	Max Queue (feet)	Std. Dev. (feet)	95th Percentile (Avg. + 1.65xStd. Dev) (feet)	Volume Demand (vph)	Volume Served (vph)	Vehicle Delay (sec)
N Williams Ave & NE Hancock St	1001	EB	EBL	5	4	11.9	38	2	42	720	693	4.4
	1001		EBT	0	0	0.0	39	2	43			
	1001	WB	WBT	0	0	0.0	93	9	109			
	1001		WBR	91	89	11.5	92	9	106			
	1001	NB	NBL	5	4	7.7	0	0	0			
	1001		NBT	595	573	3.2	0	0	0			
1001	NBR	24	23	3.3	0	0	0					
NE Broadway St & N Williams Ave	1008	WB	WBT	874	857	7.9	259	39	324	2227.2	2163	14.1
	1008		WBR	816	795	14.5	266	13	287			
	1008	NB	NBL	19	20	25.1	185	49	266			
	1008		NBT	518	491	23.6	241	49	322			
NE Broadway St & N Vancouver Ave/I-5 SB Ramp	1009	SB	SBT	341	326	220.8	1047	393	1696	2524.8	2278	52.5
	1009		SET	989	834	32.7	527	137	754			
	1009		SBR	302	244	13.3	188	38	251			
	1009	WB	WBL	389	381	27.9	224	39	289			
	1009		WBT	504	493	13.1	224	39	289			
NE Broadway St & N Larrabee Ave	1010	EB	EBT	1219	1190	86.3	1837	16	1863	2712	2637	62.0
	1010		EBR	269	256	149.9	1835	16	1862			
	1010	SB	SBL	0	0	0.0	0	0	0			
	1010		SBT	24	23	58.8	70	18	101			
	1010	WB	WBL	14	12	46.3	64	33	118			
	1010		WBT	792	767	3.7	234	35	292			
	1010		WBR	19	18	38.3	69	48	147			
	1010		NBL	115	120	46.8	292	64	398			
	1010	NB	NBT	226	219	48.1	415	91	565			
	1010		NBR	34	32	28.9	68	19	99			
NE Weidler St & N Vancouver Ave	1055	EB	EBT	720	691	30.6	459	95	616	2678.4	2458	18.3
	1055		EBR	240	230	15.0	271	108	448			
	1055	SB	SBL	1018	871	11.5	273	20	305			
	1055		SBT	701	666	15.4	272	20	305			
NE Wheeler Ave & N Ramsey Way/I-5 SB Ramp	1067	EB	EBL	96	91	24.3	114	16	141	1296	1274	24.3
	1067		EBT	230	234	29.7	128	17	155			
	1067		EBR	19	18	28.2	128	17	155			
	1067	SB	SBL	5	4	27.2	330	120	527			
	1067		SBT	230	228	15.0	330	120	527			
	1067		SET	706	681	25.4	330	120	527			
	1067		NBT	10	18	24.1	75	12	95			
NE Weidler St & N Williams Ave	1068	EB	EBL	442	402	10.8	296	14	319	1848	1673	10.6
	1068		EBT	1296	1157	8.7	294	14	317			
	1068	NB	NBT	96	103	30.9	94	20	127			
	1068		NBR	14	11	18.4	102	55	193			
NE Broadway St & N Benton Ave	1098	EB	EBL	91	89	62.4	288	29	335	2227.2	1458	20.9
	1098		EBT	926	367	11.8	93	0	93			
	1098		EBR	235	0	0.0	0	0	0			
	1098	SB	SBL	24	21	33.0	123	22	159			
	1098		SBT	24	24	26.0	123	22	159			
	1098	WB	SBR	29	31	11.9	128	22	164			
	1098		WBL	48	42	53.9	131	61	231			
	1098		WBT	787	827	30.5	337	42	405			
	1098		WBR	19	16	19.7	323	39	387			
	1098	NB	NBL	10	9	30.9	36	18	66			
1098	NBT		24	26	27.5	79	9	94				
1098	NBR	10	6	10.3	83	9	99					
NE Broadway St & NE Victoria Ave	2001	SB	SBR	34	32	29.5	66	13	88	1848	1819	16.8
	2001	WB	WBT	1003	973	24.5	245	51	330			
	2001		WBR	14	17	22.8	247	51	331			
	2001	NB	NBL	653	656	5.9	237	24	277			
2001	NBT		144	141	10.6	238	24	277				
NE Weidler St & NE Victoria Ave/I-5 NB Ramp	2091	EB	EBL	34	29	6.2	269	28	316	2630.4	2494	18.8
	2091		EBT	1277	1133	7.0	266	28	313			
	2091	NB	NBT	763	772	38.4	440	106	614			
2091	NBR		557	560	16.2	772	680	1893				
NE Weidler St & NE 2nd Ave	2247	EB	EBL	192	170	17.9	484	42	554	1896	1768	17.4
	2247		EBT	1440	1351	17.2	484	42	554			
	2247		EBR	202	186	18.3	484	42	554			
	2247	SB	SBL	14	13	5.5	65	16	91			
	2247		SBT	14	16	31.6	65	16	91			
	2247	NB	NBT	19	19	18.9	60	17	88			
	2247		NBR	14	13	8.7	63	17	91			
NE Broadway St & NE 2nd Ave	2248	SB	SBT	10	13	18.7	75	18	104	1286.4	1245	11.5
	2248		SBR	67	63	7.3	76	18	105			
	2248	WB	WBL	19	17	13.1	352	52	437			
	2248		WBT	926	910	10.4	352	52	437			
	2248	NB	WBR	53	55	10.7	354	52	440			
	2248		NBL	24	19	29.6	230	32	283			
2248	NBT	187	168	16.7	230	32	283					

Future No-Build Alternative 5-6 PM

Intersection	Node	Approach	Movement	Movement						Intersection		
				Volume Demand (vph)	Volume Served (vph)	Vehicle Delay (sec)	Max Queue (feet)	Std. Dev. (feet)	95th Percentile (Avg. + 1.65xStd. Dev) (feet)	Volume Demand (vph)	Volume Served (vph)	Vehicle Delay (sec)
N Williams Ave & NE Hancock St	1001	EB	EBL	5	4	13.2	36	1	38	750	719	4.3
	1001		EBT	0	0	0.0	38	1	39			
	1001	WB	WBT	0	0	0.0	105	9	120			
	1001		WBR	95	93	12.7	103	9	118			
	1001	NB	NBL	5	3	4.6	0	0	0			
	1001		NBT	620	598	3.0	0	0	0			
	1001		NBR	25	21	2.9	0	0	0			
NE Broadway St & N Williams Ave	1008	WB	WBT	910	895	8.5	264	11	282	2320	2251	14.9
	1008		WBR	850	826	15.5	268	12	288			
	1008	NB	NBL	20	19	18.7	211	36	271			
	1008		NBT	540	511	25.2	250	41	317			
NE Broadway St & N Vancouver Ave/I-5 SB Ramp	1009	SB	SBT	355	324	321.8	1465	351	2044	2630	2329	67.3
	1009		SET	1030	842	35.4	619	163	888			
	1009		SBR	315	244	14.1	219	47	296			
	1009	WB	WBL	405	407	29.9	257	28	303			
	1009		WBT	525	512	13.9	257	28	303			
NE Broadway St & N Larrabee Ave	1010	EB	EBT	1270	1182	97.8	1850	7	1862	2825	2632	67.7
	1010		EBR	280	243	157.4	1848	8	1861			
	1010	SB	SBL	0	0	0.0	0	0	0			
	1010		SBT	25	26	62.0	86	19	117			
	1010	WB	WBL	15	12	38.8	50	16	76			
	1010		WBT	825	767	4.1	243	44	315			
	1010		WBR	20	18	36.6	61	24	100			
	1010	NB	NBL	120	120	51.5	335	113	522			
	1010		NBT	235	232	49.7	443	76	568			
	1010		NBR	35	32	28.7	66	14	90			
NE Weidler St & N Vancouver Ave	1055	EB	EBT	750	717	31.8	477	104	648	2790	2503	18.9
	1055		EBR	250	222	13.1	242	105	415			
	1055	SB	SBL	1060	887	12.8	287	25	328			
	1055		SBT	730	677	15.3	287	25	328			
	1055		SBR	730	677	15.3	287	25	328			
NE Wheeler Ave & N Ramsey Way/I-5 SB Ramp	1067	EB	EBL	100	99	24.2	136	28	182	1350	1289	23.5
	1067		EBT	240	241	30.0	131	26	174			
	1067		EBR	20	19	24.5	131	26	174			
	1067	SB	SBL	5	4	28.0	307	114	495			
	1067		SBT	240	218	15.0	307	114	495			
	1067		SET	735	690	23.7	307	114	495			
	1067	NB	NBT	10	18	24.5	61	14	85			
	1067		NBR	10	18	24.5	61	14	85			
NE Weidler St & N Williams Ave	1068	EB	EBL	460	424	11.0	285	17	313	1925	1720	10.9
	1068		EBT	1350	1175	9.0	283	17	312			
	1068	NB	NBT	100	108	31.1	85	15	110			
	1068		NBR	15	13	18.8	108	39	172			
	1068		NBL	95	92	66.3	302	21	336			
NE Broadway St & N Benton Ave	1098	EB	EBT	965	900	9.8	303	17	332	2320	1473	21.5
	1098		EBR	245	223	11.9	307	17	335			
	1098		SBL	25	24	30.2	114	13	135			
	1098	SB	SBT	25	25	26.2	114	13	135			
	1098		SBR	30	31	12.7	119	13	139			
	1098		WBL	50	47	52.0	114	29	161			
	1098	WB	WBT	820	758	19.3	315	43	387			
	1098		WBR	20	15	20.8	322	43	393			
	1098		NBL	10	8	35.2	27	6	37			
	1098	NB	NBT	25	29	28.1	79	23	117			
	1098		NBR	10	7	7.6	83	23	122			
	1098		NBL	10	7	7.6	83	23	122			
	NE Broadway St & NE Victoria Ave	2001	SB	SBR	35	33	34.8	75	21			
2001		WB	WBT	1045	1032	27.0	256	47	334			
2001			WBR	15	17	24.6	257	47	335			
2001		NB	NBL	680	651	6.4	244	27	290			
2001			NBT	150	138	10.4	245	27	290			
NE Weidler St & NE Victoria Ave/I-5 NB Ramp	2091	EB	EBL	35	26	5.8	277	32	330	2740	2510	19.7
	2091		EBT	1330	1162	6.9	274	32	327			
	2091	NB	NBT	795	756	40.1	514	348	1087			
	2091		NBR	580	566	19.5	658	302	1157			
NE Weidler St & NE 2nd Ave	2247	EB	EBL	200	177	18.0	478	54	566	1975	1784	17.6
	2247		EBT	1500	1362	17.3	478	54	566			
	2247		EBR	210	183	18.9	478	54	566			
	2247	SB	SBL	15	12	5.1	62	17	91			
	2247		SBT	15	17	31.2	62	17	91			
	2247	NB	NBT	20	19	21.4	54	10	71			
	2247		NBR	15	14	9.2	58	10	74			
NE Broadway St & NE 2nd Ave	2248	SB	SBT	10	12	21.4	79	21	114	1340	1312	12.0
	2248		SBR	70	69	7.6	90	25	132			
	2248	WB	WBL	20	17	13.8	373	38	435			
	2248		WBT	965	960	11.0	373	38	435			
	2248		WBR	55	56	10.6	376	38	438			
	2248	NB	NBL	25	19	30.1	212	38	275			
	2248		NBT	195	179	16.6	212	38	275			

Future Build Alternative 7-8 AM

Intersection	Node	Approach	Movement	Movement						Intersection		
				Volume Demand (vph)	Volume Served (vph)	Vehicle Delay (sec)	Max Queue (feet)	Std. Dev. (feet)	95th Percentile (Avg. + 1.65xStd. Dev) (feet)	Volume Demand (vph)	Volume Served (vph)	Vehicle Delay (sec)
N Williams Ave & NE Hancock St	1001	EB	EBL	166	162	9.2	105	12	124	743	732	9.8
	1001		EBT	8	8	9.7	105	12	124			
	1001		WBT	125	123	9.8	135	27	180			
	1001	WB	WBR	104	105	10.9	154	27	198			
	1001		NBL	8	9	12.3	274	79	404			
	1001		NBT	324	318	9.6	274	79	404			
	1001		NBR	8	7	7.0	261	79	392			
NE Broadway St & N Williams Ave	1008	WB	WBL	361	92	29.6	148	16	174	2224	1936	14.2
	1008		WBT	925	818	10.7	289	19	319			
	1008		WBR	772	768	13.3	284	21	318			
	1008	NB	NBL	8	8	28.1	148	16	174			
	1008		NBT	158	258	44.4	295	32	348			
	1008		NBR	8	7	7.0	261	79	392			
NE Broadway St & N Vancouver Ave/I-5 SB Ramp	1009	SB	SBT	249	237	53.7	318	59	414	2009	1861	20.0
	1009		SET	647	627	24.4	291	22	328			
	1009		SBR	178	173	13.0	183	42	253			
	1009	WB	WBL	120	125	5.5	257	26	300			
	1009		WBT	813	699	8.9	257	26	300			
	1009		WBR	813	699	8.9	257	26	300			
NE Broadway St & N Larrabee Ave	1010	EB	EBT	461	471	10.2	213	85	353	1772	2158	14.5
	1010		EBR	203	201	29.0	264	80	396			
	1010	SB	SBL	0	33	39.6	69	15	94			
	1010		SBT	25	23	39.2	59	9	73			
	1010	WB	WBL	4	1	22.0	11	12	32			
	1010		WBT	851	806	5.0	261	12	281			
	1010		WBR	25	8	19.5	40	16	67			
	1010	NB	NBL	83	90	33.4	149	42	218			
	1010		NBT	54	71	33.0	131	30	181			
	1010		NBR	66	32	5.6	60	18	91			
1010	NBL		83	90	33.4	149	42	218				
1010	NBT		54	71	33.0	131	30	181				
NE Weidler St & N Vancouver Ave	1055	EB	EBT	481	483	17.1	204	38	267	1502	1472	10.1
	1055		EBR	4	3	5.6	206	43	276			
	1055	SB	SBL	826	801	7.3	167	16	194			
	1055		SBT	191	186	4.5	167	16	194			
NE Wheeler Ave & N Ramsey Way/I-5 SB Ramp	1067	EB	EBL	0	0	0.0	0	0	0	228	463	11.5
	1067		EBR	17	198	15.9	126	1	127			
	1067	SB	SBL	0	0	0.0	160	27	204			
	1067		SBT	195	255	7.3	160	27	204			
	1067	NB	NBT	17	10	31.9	48	1	49			
NE Weidler St & N Williams Ave	1068	EB	EBL	158	160	2.4	238	56	330	1677	1751	9.8
	1068		EBT	614	714	2.8	227	53	315			
	1068		EBR	535	406	24.4	227	53	315			
	1068	SB	SBL	8	6	15.3	151	40	217			
	1068		SBT	353	456	9.8	151	40	217			
	1068	NB	NBL	8	10	30.4	50	0	51			
	1068		NBT	8	10	30.4	50	0	51			
NE Broadway St & N Benton Ave	1098	EB	EBL	33	32	23.9	100	41	167	1502	1421	10.2
	1098		EBT	473	479	5.8	188	50	271			
	1098		EBR	21	25	4.7	192	50	274			
	1098	SB	SBL	8	5	17.5	84	15	108			
	1098		SBT	21	17	15.7	84	15	108			
	1098		SBR	50	54	7.5	89	15	113			
	1098	WB	WBL	8	3	20.1	33	15	58			
	1098		WBT	818	761	12.2	302	28	349			
	1098		WBR	42	17	16.8	306	28	352			
	1098	NB	NBL	12	0	0.0	0	0	0			
	1098		NBT	12	22	16.8	67	6	77			
	1098		NBR	4	6	8.8	71	6	82			
NE Broadway St & NE Victoria Ave	2001	SB	SBR	25	24	34.2	43	8	57	2112	2109	18.5
	2001		WBT	1316	1317	26.2	386	48	464			
	2001	WB	WBR	8	11	25.4	388	48	466			
	2001		NBL	718	711	3.9	192	54	282			
	2001		NBT	46	45	12.8	193	54	282			
NE Weidler St & NE Victoria Ave/I-5 NB Ramp	2091	EB	EBL	12	13	3.1	105	18	135	2150	2219	16.6
	2091		EBT	618	700	3.2	105	18	135			
	2091	NB	NBT	751	745	22.6	289	42	358			
	2091		NBR	768	761	23.4	305	73	425			
NE Weidler St & NE 2nd Ave	2247	EB	EBL	112	95	6.2	302	73	421	1453	1526	4.9
	2247		EBT	1266	1358	4.1	302	73	421			
	2247		EBR	8	7	6.3	305	73	425			
	2247	SB	SBL	21	20	9.5	71	25	112			
	2247		SBT	8	11	30.0	71	25	112			
	2247	NB	NBT	25	29	23.9	62	18	91			
	2247		NBR	12	6	7.0	67	18	96			
	2247		NBL	12	11	7.4	370	63	474			
NE Broadway St & NE 2nd Ave	2248	SB	SBT	17	20	24.3	154	24	192	1498	1498	9.8
	2248		SBR	129	124	22.1	155	24	194			
	2248	WB	WBL	12	11	7.4	370	63	474			
	2248		WBT	1150	1177	7.1	370	63	474			
	2248		WBR	66	43	6.5	372	63	477			
	2248	NB	NBL	46	29	39.5	161	42	230			
	2248		NBT	79	94	17.0	161	42	230			
N Vancouver Ave & NE Hancock St	2249	EB	EBT	174	171	9.3	111	15	135	556	1151	4.4
	2249		EBR	0	1	7.8	111	15	135			
	2249	WB	WBL	0	1	5.8	109	20	142			
	2249		WBT	133	130	6.4	109	20	142			
	2249		WBR	133	130	6.4	109	20	142			
	2249	SB	SBT	249	245	9.0	82	7	94			
	2249		SBR	0	0	0.0	82	7	94			

Future Build Alternative 8-9 AM

Intersection	Node	Approach	Movement	Movement						Intersection						
				Volume Demand (vph)	Volume Served (vph)	Vehicle Delay (sec)	Average Queue (feet)	Std. Dev. (feet)	95th Percentile (Avg. + 1.65xStd. Dev) (feet)	Volume Demand (vph)	Volume Served (vph)	Vehicle Delay (sec)				
N Williams Ave & NE Hancock St	1001	EB	EBL	200	197	10.2	137	19	168	895	841	11.6				
	1001		EBT	10	10	10.1	137	19	168							
	1001	WB	WBT	150	151	11.7	175	28	221							
	1001		WBR	125	121	13.5	193	28	239							
	1001	NB	NBL	10	9	11.2	300	57	394							
	1001		NBT	390	345	11.9	300	57	394							
1001	NBR	10	8	8.7	270	48	349									
NE Broadway St & N Williams Ave	1008	WB	WBL	435	660	32.4	465	52	551	2680	2091	14.7				
	1008		WBT	1115	858	10.5	288	15	314							
	1008	WB	WBR	930	865	14.6	281	12	301							
	1008		NBL	10	9	28.9	190	37	250							
	1008	NB	NBT	190	261	46.1	379	74	501							
	1009		SBT	300	294	79.5	380	63	485							
NE Broadway St & N Vancouver Ave/I-5 SB Ramp	1009	SB	SBT	780	620	24.5	301	45	375	2420	1951	24.9				
	1009		SBR	215	170	12.6	175	46	251							
	1009	WB	WBL	145	111	6.4	271	42	340							
	1009		WBT	980	756	9.6	271	42	340							
	NE Broadway St & N Larrabee Ave	1010	EB	EBT	555	565	12.5	273	53				361	2135	2335	17.1
		1010		EBR	245	241	37.0	372	104				543			
1010		SB	SBL	0	41	41.3	90	28	136							
1010			SBT	30	27	39.0	72	21	106							
1010		WB	WBL	5	1	18.7	9	12	29							
1010			WBT	1025	843	5.8	270	13	292							
1010		WB	WBR	30	8	22.9	43	24	82							
1010			NBL	100	107	39.7	173	43	243							
1010		NB	NBT	65	85	37.6	176	62	279							
1010			NBR	80	42	6.7	52	19	83							
NE Weidler St & N Vancouver Ave	1055	EB	EBT	580	592	17.8	229	26	272	1810	1622	11.9				
	1055		EBR	5	7	7.6	233	27	278							
	1055	SB	SBL	995	849	9.5	224	32	277							
	1055		SBT	230	174	4.4	224	32	277							
	NE Wheeler Ave & N Ramsey Way/I-5 SB Ramp	1067	EB	EBL	0	0	0.0	0	0				0	275	220	4.0
1067		EBR		20	19	8.2	29	5	38							
1067		SB	SBL	0	0	0.0	127	35	185							
1067			SBT	235	191	3.1	127	35	185							
1067		NB	NBT	20	10	13.2	47	1	48							
NE Weidler St & N Williams Ave	1068	EB	EBL	190	185	3.3	299	13	321	2020	2004	12.1				
	1068		EBT	740	755	3.6	277	12	297							
	1068	SB	EBR	645	505	28.7	277	12	297							
	1068		SBL	10	10	15.3	185	29	233							
	1068	NB	SBT	425	539	11.1	185	29	233							
	1068		NBT	10	10	33.5	50	0	51							
NE Broadway St & N Benton Ave	1098	EB	EBL	40	39	26.7	120	46	196	1810	1587	11.0				
	1098		EBT	570	581	6.0	223	49	303							
	1098	SB	EBR	25	30	4.5	226	49	307							
	1098		SBL	10	7	17.8	98	15	123							
	1098	WB	SBT	25	22	15.3	98	15	123							
	1098		SBR	60	64	8.1	102	15	128							
	1098	WB	WBL	10	4	29.4	33	11	51							
	1098		WBT	985	788	13.9	322	39	387							
	1098	WB	WBR	50	19	15.5	326	39	390							
	1098		NBL	15	0	0.0	0	0	0							
	1098	NB	NBT	15	27	16.7	72	11	91							
	1098		NBR	5	6	7.3	77	11	95							
NE Broadway St & NE Victoria Ave	2001	SB	SBR	30	29	36.0	55	10	72	2545	2338	22.7				
	2001		WBT	1585	1565	30.8	512	52	597							
	2001	WB	WBR	10	12	27.2	514	52	599							
	2001		NBL	865	685	4.2	200	51	284							
	2001	NBT	55	47	13.3	200	51	284								
NE Weidler St & NE Victoria Ave/I-5 NB Ramp	2091	EB	EBL	15	14	3.3	117	16	142	2590	2225	16.0				
	2091		EBT	745	758	3.2	117	16	142							
	2091	NB	NBT	905	715	22.2	261	27	306							
	2091		NBR	925	738	23.4	266	30	316							
NE Weidler St & NE 2nd Ave	2247	EB	EBL	135	102	7.3	341	92	493	1750	1573	5.5				
	2247		EBT	1525	1388	4.6	341	92	493							
	2247	SB	EBR	10	7	7.2	345	92	497							
	2247		SBL	25	22	9.8	72	24	112							
	2247	NB	SBT	10	11	36.2	72	24	112							
	2247		NBT	30	35	23.6	72	11	89							
	2247	NBR	15	8	10.1	76	11	94								
NE Broadway St & NE 2nd Ave	2248	SB	SBT	20	22	23.6	168	12	187	1805	1762	12.0				
	2248		SBR	155	152	24.7	169	12	188							
	2248	WB	WBL	15	11	11.1	450	46	526							
	2248		WBT	1385	1386	9.6	450	46	526							
	2248	NB	WBR	80	54	9.4	446	37	507							
	2248		NBL	55	35	36.7	173	31	223							
2248	NBT	95	102	15.9	173	31	223									
N Vancouver Ave & NE Hancock St	2249	EB	EBT	210	207	9.6	123	23	162	670	1359	4.8				
	2249		EBR	0	2	10.5	123	23	162							
	2249	WB	WBL	0	1	8.4	110	19	141							
	2249		WBT	160	159	7.1	110	19	141							
	2249	SB	SBT	300	301	9.5	95	21	130							
	2249		SBR	0	0	0.0	95	21	130							

Future Build Alternative 4-5 PM

Intersection	Node	Approach	Movement	Movement						Intersection						
				Volume Demand (vph)	Volume Served (vph)	Vehicle Delay (sec)	Max Queue (feet)	Std. Dev. (feet)	95th Percentile (Avg. + 1.65xStd. Dev) (feet)	Volume Demand (vph)	Volume Served (vph)	Vehicle Delay (sec)				
N Williams Ave & NE Hancock St	1001	EB	EBL	14	15	10.3	166	34	223	907	865	9.9				
	1001		EBT	254	252	10.0	166	34	223							
	1001		WBT	86	83	9.0	97	16	124							
	1001	WB	WBR	72	72	9.3	116	16	142							
	1001		NB	NBL	5	5	11.3	336	74				458			
	1001			NBT	456	422	10.1	336	74				458			
1001	NBR	19	17	9.9	323	74	445									
NE Broadway St & N Williams Ave	1008	WB	WBL	384	233	30.4	202	27	248	2261	1632	15.8				
	1008		WBT	710	500	10.9	268	12	287							
	1008		WBR	835	792	13.2	280	10	296							
	1008	NB	NBL	14	5	31.3	202	27	248							
	1008		NBT	317	107	49.9	405	55	495							
	1008		NBR	240	233	131.4	376	80	508							
NE Broadway St & N Vancouver Ave/I-5 SB Ramp	1009	SB	SET	898	805	29.0	385	80	517	2040	1698	34.0				
	1009		SBR	178	156	8.2	133	20	166							
	1009		WBL	53	49	6.1	145	22	182							
	1009	WB	WBT	672	455	4.9	145	22	182							
	1010		EB	EBT	1176	1179	73.2	1633	395				2285			
	1010			EBR	269	267	119.3	1640	384				2273			
NE Broadway St & N Larrabee Ave	1010	SB	SBL	0	5	74.2	30	11	47	2779	2387	53.3				
	1010		SBT	24	24	59.9	77	14	100							
	1010	WB	WBL	19	20	43.1	85	20	118							
	1010		WBT	768	555	4.9	200	49	281							
	1010		WBR	29	18	41.4	61	13	83							
	1010	NB	NBL	130	135	68.7	532	64	637							
	1010		NBT	307	319	66.0	573	30	623							
	1010		NBR	58	55	20.1	86	25	127							
	NE Weidler St & N Vancouver Ave	1055	EB	EBT	1085	886	22.4	458	71				574	2304	1996	16.9
		1055		EBR	29	27	7.2	462	71				579			
1055		SB	SBL	1070	971	13.9	238	45	313							
1055			SBT	120	111	2.8	238	45	313							
NE Wheeler Ave & N Ramsey Way/I-5 SB Ramp	1067	EB	EBL	0	0	0.0	0	0	0	293	463	11.5				
	1067		EBR	134	198	15.9	126	17	155							
	1067	SB	SBL	0	0	0.0	160	31	211							
	1067		SBT	149	255	7.3	160	31	211							
NE Weidler St & N Williams Ave	1067	NB	NBT	10	10	31.9	48	0	48	2549	2434	9.5				
	1068		EB	EBL	322	307	4.6	291	21				326			
	1068	EBT		1277	1194	4.5	271	19	303							
	1068	EBR		557	353	21.9	271	19	303							
	1068	SB	SBL	0	0	0.0	207	12	227							
	1068		SBT	384	571	14.7	207	12	227							
	1068	NB	NBT	10	10	36.0	50	0	51							
	1098		NE Broadway St & N Benton Ave	EB	EBL	115	114	69.5	304				18	334		
	1098	EBT			1090	901	8.0	302	18				332			
	1098	SB		EBR	29	222	9.1	305	18				336			
1098	SBL			14	12	29.9	86	18	116							
1098	SBT			14	12	25.3	86	18	116							
1098	WB	SBR		48	52	7.9	90	18	120							
1098		WBL		14	12	48.9	55	26	99							
1098		WBT		768	540	18.4	268	40	334							
1098		WBR		67	58	18.4	271	40	337							
1098		NB		NBL	0	0	0.0	0	0	0						
1098			NBT	19	20	27.9	72	9	88							
1098	NBR	10	7	11.7	77	9	92									
NE Broadway St & NE Victoria Ave	2001	SB	SBR	24	23	36.5	43	12	63	2098	2024	22.9				
	2001		WBT	1080	1073	36.9	516	35	573							
	2001	WB	WBR	14	13	24.1	518	35	575							
	2001		NBL	826	768	5.0	241	30	292							
	2001	NBT	154	148	12.2	242	30	292								
NE Weidler St & NE Victoria Ave/I-5 NB Ramp	2091	EB	EBL	43	43	5.7	152	38	214	2808	2617	18.3				
	2091		EBT	1234	1142	4.0	152	38	214							
	2091	NB	NBT	936	876	32.7	687	297	1177							
	2091		NBR	595	556	25.8	257	33	312							
NE Weidler St & NE 2nd Ave	2247	EB	EBL	192	181	14.1	500	28	547	1901	1775	14.4				
	2247		EBT	1464	1365	13.8	500	28	547							
	2247		EBR	173	158	18.0	504	28	551							
	2247	SB	SBL	14	13	8.5	69	26	112							
	2247		SBT	14	17	24.7	69	26	112							
	2247	NB	NBT	29	30	20.1	57	13	77							
	2247		NBR	14	11	8.2	61	13	82							
NE Broadway St & NE 2nd Ave	2248	SB	SBT	10	13	23.1	112	12	133	1339	1326	13.9				
	2248		SBR	96	91	24.9	113	12	134							
	2248	WB	WBL	19	17	14.4	433	82	568							
	2248		WBT	965	972	12.1	433	82	568							
	2248		WBR	29	25	11.0	435	82	571							
	2248	NB	NBL	34	30	37.9	202	35	259							
2248	NBT		187	178	14.0	202	35	259								
N Vancouver Ave & NE Hancock St	2249	EB	EBT	269	268	11.2	150	23	189	600	1263	8.2				
	2249		EBR	0	0	0.0	150	23	189							
	2249	WB	WBL	0	1	11.3	78	18	108							
	2249		WBT	91	86	6.3	78	18	108							
	2249		SBT	240	244	14.8	151	207	493							
	2249	SB	SBR	0	0	0.0	151	207	493							

Future Build Alternative 5-6 PM

Intersection	Node	Approach	Movement	Movement						Intersection							
				Volume Demand (vph)	Volume Served (vph)	Vehicle Delay (sec)	Max Queue (feet)	Std. Dev. (feet)	95th Percentile (Avg. + 1.65xStd. Dev) (feet)	Volume Demand (vph)	Volume Served (vph)	Vehicle Delay (sec)					
N Williams Ave & NE Hancock St	1001	EB	EBL	15	14	10.9	163	36	222	945	898	10.1					
			EBT	265	265	9.8	163	36	222								
		WB	WBT	90	92	9.2	99	17	128								
	1001	WB	WBR	75	72	9.9	118	17	146								
			NB	NBL	5	4	7.8	289	73				410				
		NB	NBT	475	434	10.4	289	73	410								
			NBR	20	16	9.6	276	73	397								
NE Broadway St & N Williams Ave	1008	WB	WBL	400	829	33.5	447	42	516	2355	1663	15.8					
			WBT	740	496	11.1	263	13	285								
			WBR	870	813	13.2	286	20	319								
	1008	NB	NBL	15	6	35.5	205	23	242								
			NBT	330	111	50.5	409	45	484								
		SB	SBT	250	243	142.0	435	80	567								
			SET	935	784	31.2	429	97	588								
NE Broadway St & N Vancouver Ave/I-5 SB Ramp	1009	SB	SBR	185	156	8.2	125	25	166	2125	1685	37.3					
			WBL	55	44	7.7	156	28	203								
			WB	WBT	700	458	4.9	156	28				203				
	NE Broadway St & N Larrabee Ave	1010	EB	EBT	1225	1193	91.4	1842	108				2020	2895	2410	63.6	
				EBR	280	271	136.9	1842	108				2020				
				SB	SBL	0	6	77.0	38				11				57
		1010	SB	SBT	25	23	65.5	74	13				95				
WB				WBL	20	18	43.1	72	16	99							
WB			WBT	800	547	5.4	208	34	264								
			WBR	30	18	45.1	66	12	85								
NE Weidler St & N Vancouver Ave	1055	EB	EBT	1130	925	23.3	511	69	624	2400	2022	18.3					
			EBR	30	26	8.3	515	69	628								
			SB	SBL	1115	968	15.4	248	24				288				
	1055	SB	SBT	125	102	3.0	247	24	288								
			EB	EBL	0	0	0.0	0	0				0				
		EB	EBR	140	139	12.4	97	16	123								
			SB	SBL	0	0	0.0	106	33				160				
NE Wheeler Ave & N Ramsey Way/I-5 SB Ramp	1067	EB	SBT	155	140	7.9	106	33	160	305	289	10.9					
			NB	NBT	10	10	31.2	48	0				48				
			NE Weidler St & N Williams Ave	1068	EB	EBL	335	328	4.7				304	21	338	2655	2492
	EBT	1330	1205			4.8	282	21	316								
	EBR	580	365			22.7	282	21	316								
	1068	SB	SBL	0	0	0.0	207	4	213								
			SBT	400	584	15.2	207	4	213								
NB		NBT	10	10	35.0	50	0	51									
		NE Broadway St & N Benton Ave	1098	EB	EBL	120	123	70.0	308	8	320	2280	1967	16.0			
EBT	1135	919			8.7	307	2	311									
EBR	30	215			9.0	310	2	314									
1098	SB	SBL	15	13	27.9	105	32	159									
		SBT	15	15	25.3	105	32	159									
		SBR	50	52	9.0	110	32	164									
	1098	WB	WBL	15	12	44.9	55	24	93								
			WBT	800	531	18.0	276	35	333								
		WB	WBR	70	58	17.7	279	35	337								
			NB	NBL	0	0	0.0	0	0	0							
NE Broadway St & NE Victoria Ave	2001	WB	NBT	20	21	26.7	63	16	89	2185	2040	24.3					
			NBR	10	8	9.8	67	16	93								
			SB	SBR	25	25	36.2	47	9				62				
	2001	WB	WBT	1125	1115	38.7	550	11	567								
			WBR	15	13	26.2	548	2	551								
		NB	NBL	860	751	4.8	255	31	307								
			NBT	160	136	11.8	256	31	307								
NE Weidler St & NE Victoria Ave/I-5 NB Ramp	2091	EB	EBL	45	41	5.7	156	48	236	2925	2614	16.7					
			EBT	1285	1172	4.2	156	48	236								
			NB	NBT	975	844	29.2	469	220				831				
	2091	NB	NBR	620	557	25.0	239	70	355								
			NE Weidler St & NE 2nd Ave	2247	EB	EBL	200	187	14.4				506	27	551	1980	1801
		EBT	1525			1383	13.4	506	27				551				
		EBR	180			155	17.3	509	27				554				
2247	SB	SBL	15	14	9.4	75	15	100									
		SBT	15	18	28.2	75	15	100									
	NB	NBT	30	29	21.6	65	11	84									
		NBR	15	15	9.8	69	11	88									
NE Broadway St & NE 2nd Ave	2248	SB	SBT	10	14	19.0	122	31	173	1395	1374	15.2					
			SBR	100	95	26.5	123	31	174								
			WB	WBL	20	17	15.3	442	47				520				
	2248	WB	WBT	1005	1004	13.6	442	47	520								
			WBR	30	26	12.2	445	47	523								
		NB	NBL	35	28	38.8	192	22	228								
			NBT	195	190	14.5	192	22	228								
N Vancouver Ave & NE Hancock St	2249	EB	EBT	280	279	10.5	131	23	169	625	1317	9.3					
			EBR	0	0	0.0	131	23	169								
			WB	WBL	0	2	9.3	87	25				128				
	2249	WB	WBT	95	94	6.7	87	25	128								
			SB	SBT	250	252	10.8	112	57				206				
		SB	SBR	0	0	0.0	112	57	206								