APPENDIX B

Traffic Volume Calculations

Appendix B
Wheeler Property Traffic Impact Analysis
AM Traffic Volume Worksheet

Annual Background Growth Rate (Counts to Existing)		2.0%	2.0%	Annual Background Growth Rate (2008 to 2010)							
	N-S	2.0%	2.0%								
	E-W	2.0%	2.0%								
Round to Nearest		5	1				5				1

	Approach	Movement	Movement Number	Existing Counts	2-Hr Average Adjustment	2008 Existing Volumes	2010 by growth rate	Project 1	Project 2	Pipeline Project Totals	2010 Baseline	New Project Trips	Relocated DASH Service	Project Trips	2010 With-Project Volumes
				A	A2	B	C	1-1	1-2	1-T	D			E	F
				2007	1.00	2008	2010	Pipeline							2010
0.81		2	6	2008	0.83	7:30	TC								
3		Capitol Way						/	5th Avenue		844				873
977	rt		1	7	6	5	5			0	5			0	5
0.91	SB	th	2	240	199	200	208			0	210	12		12	222
0.09		lt	3	0	0	0	0			0	0			0	0
1,622	rt		4	12	10	10	10			0	10			0	10
0.71	WB	th	5	119	99	100	104			0	105	2		2	107
0.01		lt	6	2	2	2	2			0	2			0	2
	rt		7	30	25	25	26			0	25			0	25
0.95	NB	th	8	222	184	185	192			0	190	0		0	190
0.07		lt	9	2	2	2	2			0	2			0	2
	rt		10	141	117	115	120			0	120	15		15	135
0.69	EB	th	11	202	168	170	177			0	175			0	175
0.02		lt	12	0	0	0	0			0	0			0	0
0.89		1	31	2008	0.90	7:30	TC								
4		Capitol Way						/	Legion Way		801				828
872	rt		1	8	7	5	5			0	5			0	5
0.81	SB	th	2	343	307	305	317			0	315	27		27	342
0.04		lt	3	0	0	0	0			0	0			0	0
1,563	rt		4	29	26	25	26			0	25			0	25
0.72	WB	th	5	66	59	60	62			0	60			0	60
0.01		lt	6	46	41	40	42			0	40			0	40
	rt		7	33	30	30	31			0	30			0	30
0.88	NB	th	8	213	191	190	198			0	200	0		0	200
0.07		lt	9	1	1	1	1			0	1			0	1
	rt		10	32	29	30	31			0	30			0	30
0.81	EB	th	11	97	87	85	88			0	90			0	90
0.00		lt	12	4	4	5	5			0	5			0	5
0.85		1	31	2008	0.84	7:30	TC								
5		Capitol Way						/	Union Ave		1,355				1,382
1,552	rt		1	11	9	10	10			0	10			0	10
0.89	SB	th	2	372	313	315	328			0	330	27		27	357
0.02		lt	3	70	59	60	62			0	60			0	60
2,612	rt		4	61	51	50	52			0	50			0	50
0.89	WB	th	5	175	147	145	151			0	150			0	150
0.01		lt	6	120	101	100	104			0	105			0	105
	rt		7	130	109	110	114			0	115			0	115
0.81	NB	th	8	447	376	375	390			0	390	0		0	390
0.03		lt	9	71	60	60	62			0	60			0	60
	rt		10	27	23	25	26			0	25			0	25
0.82	EB	th	11	65	55	55	57			0	55			0	55
0.02		lt	12	3	3	5	5			0	5			0	5
0.88		1	31	2008	0.83	7:30	TC								
6		Capitol Way						/	11th Avenue		1,353				
1,527	rt		1	22	18	20	21			0	20	0		0	20
0.90	SB	th	2	459	383	385	401			0	400	27		27	427
0.02		lt	3	40	33	35	36			0	35	0		0	35
2,548	rt		4	9	8	10	10			0	10	0		0	10
0.79	WB	th	5	46	38	40	42			0	40	0		0	40
0.07		lt	6	21	18	20	21			0	20	0		0	20
	rt		7	115	96	95	99			0	100	0		0	100
0.84	NB	th	8	626	522	520	541			0	540	0		0	540
0.02		lt	9	78	65	65	68			0	70	1		1	71
	rt		10	43	36	35	36			0	35	0		0	35
0.65	EB	th	11	56	47	45	47			0	45	0		0	45
0.05		lt	12	12	10	10	10			0	10	0		0	10

B	Existing 2008	D	2010 Baseline	E	Project Trips	F	2010 With-Project Volumes
	3 Capitol Way		3 Capitol Way		3 Capitol Way		3 Capitol Way
	205 195		215 200		12 0		227 200
	10		10		0		10
	100 112		105 117		2 2		107 119
5 200 0	2 195	5 210 0	2 200	0 12 0	0 0	5 222 0	2 200
107 0	2 185 25	112 0	2 190 25	2 0	0 0 0	114 0	2 190 25
285 170		295 175		15 0		310 175	
115		120		15		135	
	317 212		332 217		27 0		359 217
	4 Capitol Way		4 Capitol Way		4 Capitol Way		4 Capitol Way
	310 220		320 230		27 0		347 230
	25		25		0		25
	60 125		60 125		0 0		60 125
5 305 0	40 115	5 315 0	40 120	0 27 0	0 0	5 342 0	40 120
66 5	1 190 30	66 5	1 200 30	0 0	0 0 0	66 5	1 200 30
120 85		125 90		0 0		125 90	
30		30		0		30	
	375 221		385 231		27 0		412 231
	5 Capitol Way		5 Capitol Way		5 Capitol Way		5 Capitol Way
	385 430		400 445		27 0		427 445
	50		50		0		50
	145 295		150 305		0 0		150 305
10 315 60	100 225	10 330 60	105 230	0 27 0	0 0	10 357 60	105 230
215 5	60 375 110	220 5	60 390 115	0 0	0 0 0	220 5	60 390 115
85 55		85 55		0 0		85 55	
25		25		0		25	
	440 545		460 565		27 0		487 565
	6 Capitol Way		6 Capitol Way		6 Capitol Way		6 Capitol Way
	440 540		455 560		27 0		482 560
	10		10		0		10
	40 70		40 70		0 0		40 70
20 385 35	20 175	20 400 35	20 180	0 27 0	0 0	20 427 35	20 180
125 10	65 520 95	130 10	70 540 100	1 0	1 0 0	131 10	71 540 100
90 45		90 45		0 0		90 45	
35		35		0		35	
	440 680		455 710		27 1		482 711

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AM Traffic Volume Worksheet

Annual Background Growth Rate (Counts to Existing)	N-S	2.0%	2.0%	Annual Background Growth Rate (2008 to 2010)
	E-W	2.0%	2.0%	
Round to Nearest		5	1	5 / 1

	Approach	Movement	Movement Number	Existing Counts	2-Hr Average Adjustment	2008 Existing Volumes	2010 by growth rate	Project 1	Project 2	Pipeline Project Totals	2010 Baseline	New Project Trips	Relocated DASH Service	Project Trips	2010 With-Project Volumes
				A	A2	B	C	1-1	1-2	1-T	D			E	F
				2007	1.00	2008	2010	Pipeline							2010
0.80		2	7	2008	0.83	7:30	Oly								
7		Capitol Way						/	14th Avenue						1,635
1,859	rt		1	83	69	70	73			0	75	0		0	75
0.84	SB	th	2	281	233	235	244			0	245	0		0	245
0.04		lt	3	89	74	75	78			0	80	27		27	107
3,079	rt		4	211	175	175	182			0	180	1		1	181
0.81	WB	th	5	252	209	210	218			0	220	0		0	220
0.01		lt	6	89	74	75	78			0	80	2		2	82
	rt		7	63	52	50	52			0	50	0		0	50
0.75	NB	th	8	590	489	490	510			0	510	0		0	510
0.02		lt	9	86	71	70	73			0	75	0		0	75
	rt		10	14	12	10	10			0	10	0		0	10
0.82	EB	th	11	56	46	45	47			0	45	0		0	45
0.07		lt	12	45	37	35	36			0	35	0		0	35
0.80		2	7	2008	0.82	7:30	Oly								
8		Capitol Way						/	Maple Park Avenue						1,078
1,238	rt		1	0	0	0	0			0	0	0		0	0
0.89	SB	th	2	259	212	210	218			0	220	2		2	222
0.03		lt	3	39	32	30	31			0	30	0		0	30
2,031	rt		4	46	38	40	42			0	40	0		0	40
0.72	WB	th	5	0	0	0	0			0	0	0		0	0
0.08		lt	6	20	16	15	16			0	15	0		0	15
	rt		7	94	77	75	78			0	80	21		21	101
0.78	NB	th	8	774	635	635	661			0	660	0		0	660
0.01		lt	9	0	0	0	0			0	0	0		0	0
	rt		10	4	3	5	5			0	5	0		0	5
0.38	EB	th	11	0	0	0	0			0	0	0		0	0
0.00		lt	12	2	2	2	2			0	5	0		0	5
0.72		6	13	2007	0.92	7:15	Oly								
9		Capitol Way						/	21st Avenue						923
928	rt		1	6	5	5	5			0	5	0		0	5
0.76	SB	th	2	211	193	195	203			0	205	2		2	207
0.03		lt	3	5	5	5	5			0	5	0		0	5
1,699	rt		4	13	12	10	10			0	10	0		0	10
0.61	WB	th	5	0	0	0	0			0	0	0		0	0
0.00		lt	6	4	4	5	5			0	5	0		0	5
	rt		7	2	2	2	2			0	5	0		0	5
0.72	NB	th	8	672	615	625	650			0	650	18		18	668
0.02		lt	9	6	5	5	5			0	5	0		0	5
	rt		10	6	5	5	5			0	5	0		0	5
0.56	EB	th	11	0	0	0	0			0	0	0		0	0
0.00		lt	12	3	3	5	5			0	5	3		3	8
0.84		1	31	2008	0.81	7:30	TC								
12		Jefferson St						/	Union Avenue						1,277
1,480	rt		1	20	16	15	16			0	15	0		0	15
0.72	SB	th	2	91	74	75	78			0	80	3		3	83
0.01		lt	3	35	28	30	31			0	30	0		0	30
2,408	rt		4	73	59	60	62			0	60	0		0	60
0.77	WB	th	5	457	372	370	385			0	385	0		0	385
0.01		lt	6	195	159	160	166			0	165	27		27	192
	rt		7	56	46	45	47			0	45	2		2	47
0.92	NB	th	8	226	184	185	192			0	190	3		3	193
0.00		lt	9	75	61	60	62			0	60	0		0	60
	rt		10	17	14	15	16			0	15	2		2	17
0.75	EB	th	11	217	177	175	182			0	180	0		0	180
0.02		lt	12	18	15	15	16			0	15	0		0	15

B	Existing 2008	D	2010 Baseline	E	Project Trips	F	2010 With-Project Volumes
	7 Capitol Way		7 Capitol Way		7 Capitol Way		7 Capitol Way
	380 700		400 725		27 1		427 726
	175		180		1		181
	210 460		220 480		0 3		220 483
70 235 75	75 170	75 245 80	80 175	0 0 27	2 27	75 245 107	82 202
350 35	70 490 50	370 35	75 510 50	0 0	0 0 0	370 35	75 510 50
90 45		90 45		0 0		90 45	
10		10		0		10	
	320 610		335 635		2 0		337 635
	8 Capitol Way		8 Capitol Way		8 Capitol Way		8 Capitol Way
	240 677		250 705		2 0		252 705
	40		40		0		40
	0 55		0 55		0 0		0 55
0 210 30	15 105	0 220 30	15 110	0 2 0	0 21	0 222 30	15 131
0 2	0 635 75	0 5	0 660 80	0 0	0 0 21	0 5	0 660 101
7 0		10 0		0 0		10 0	
5		5		0		5	
	230 710		240 740		2 21		242 761
	9 Capitol Way		9 Capitol Way		9 Capitol Way		9 Capitol Way
	205 640		215 665		2 21		217 686
	10		10		0		10
	0 15		0 15		0 0		0 15
5 195 5	5 7	5 205 5	5 10	0 2 0	0 0	5 207 5	5 10
10 5	5 625 2	10 5	5 650 5	0 3	0 18 0	10 8	5 668 5
10 0		10 0		3 0		13 0	
5		5		0		5	
	205 632		215 660		2 18		217 678
	12 Jefferson St		12 Jefferson St		12 Jefferson St		12 Jefferson St
	120 260		125 265		3 3		128 268
	60		60		0		60
	370 590		385 610		0 27		385 637
15 75 30	160 250	15 80 30	165 255	0 3 0	27 2	15 83 30	192 257
445 15	60 185 45	460 15	60 190 45	0 0	0 3 2	460 15	60 193 47
205 175		210 180		2 0		212 180	
15		15		2		17	
	250 290		260 295		32 5		292 300

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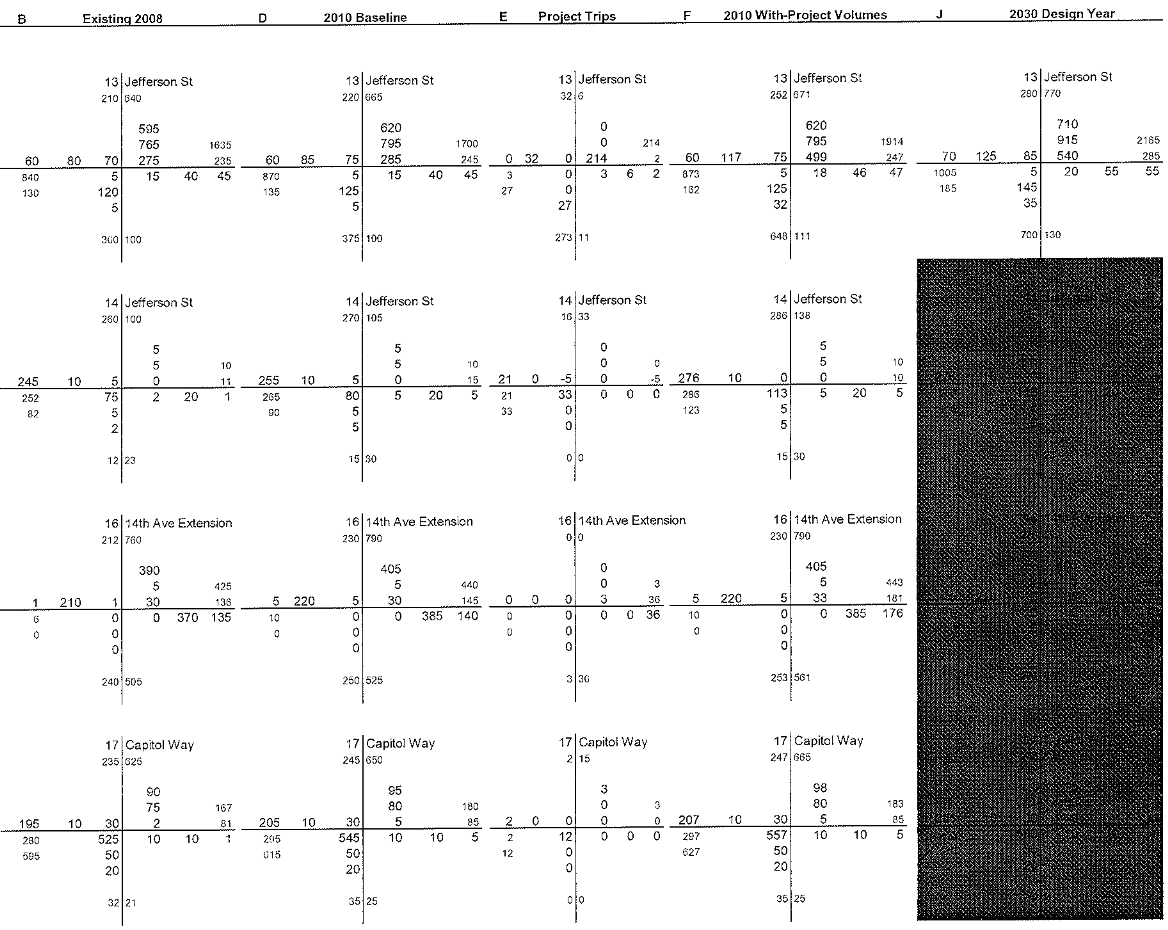
AM Traffic Volume Worksheet

Annual Background Growth Rate (Counts to Existing)			Annual Background Growth Rate (2008 to 2010)		Annual Background Growth Rate (2010 to 2030)
N-S	2.0%	2.0%		0.0%	
E-W	2.0%	2.0%		0.0%	
				0.0%	

	Approach	Movement	Movement Number	Existing Counts	2-Hr Average Adjustment	2008 Existing Volumes	2010 by growth rate	Project 1	Project 2	Pipeline Project Totals	2010 Baseline	*New Project Trips*	*Relocated DASH Service*	*Project Trips*	2010 With-Project Volumes	2030 Existing (Copy)	25-Year Growth Increment	Total Growth	2030 Baseline Design	*Copied 2010 Project Trips*	2030 Design Year
Round to Nearest						5	1				5				1	1			1		5
				A	A2	B	C	1-1	1-2	1-T	D			E	F	G	1-2	1-T	H		J
				2007	1.00	2008	2010	Pipeline							2010	2030	Pipeline		2030		2030
0.80		3	7	2007	0.83	7:15	Oly														
13	Jefferson St							/	14th Avenue						2,439	2,159		317	2,476		
2,439		rt	1	73	61	60	62			0	60			0	60	62	9	9	71	0	70
0.72	SB	th	2	92	77	80	83			0	85	32		32	117	83	12	12	95	32	125
0.00		lt	3	85	71	70	73			0	75			0	75	73	11	11	84	0	85
4,072		rt	4	698	583	595	619			0	620			0	620	619	91	91	710	0	710
0.80	WB	th	5	901	752	765	796			0	795			0	795	796	117	117	913	0	915
0.00		lt	6	322	269	275	286			0	285	214		214	499	286	42	42	328	214	540
		rt	7	52	43	45	47			0	45	2		2	47	47	7	7	54	2	55
0.85	NB	th	8	44	37	40	42			0	40	6		6	46	42	6	6	48	6	55
0.00		lt	9	19	16	15	16			0	15	3		3	18	16	2	2	18	3	20
		rt	10	7	6	5	5			0	5	27		27	32	5	1	1	6	27	35
0.89	EB	th	11	142	119	120	125			0	125			0	125	125	18	18	143	0	145
0.00		lt	12	4	3	5	5			0	5			0	5	5	1	1	6	0	5
0.82		2	6	2008	0.77	7:15	Oly														
14	Jefferson St							/	Maple Park Avenue						449	389		0	389		
485		rt	1	319	247	245	255			0	255	0	21	21	276	255		0	255	21	275
0.77	SB	th	2	12	9	10	10			0	10	0		0	10	10		0	10	0	10
0.03		lt	3	9	7	5	5			0	5	0	-5	-5	0	5		0	5	-5	0
751		rt	4	5	4	5	5			0	5	0		0	5	5		0	5	0	5
0.56	WB	th	5	4	3	5	5			0	5	0		0	5	5		0	5	0	5
0.00		lt	6	0	0	0	0			0	0	0		0	0	0		0	0	0	0
		rt	7	1	1	1	1			0	5	0		0	5	1		0	1	0	0
0.78	NB	th	8	23	18	20	21			0	20	0		0	20	21		0	21	0	20
0.03		lt	9	2	2	2	2			0	5	0		0	5	2		0	2	0	0
		rt	10	3	2	2	2			0	5	0		0	5	2		0	2	0	0
0.89	EB	th	11	8	6	5	5			0	5	0		0	5	5		0	5	0	5
0.03		lt	12	99	77	75	78			0	80	21	12	33	113	78		0	78	33	110
0.77		1	31	2008	0.82	7:15	TC														
16	14th Ave Extension							/	Henderson Blvd							1,187		0	1,187		
1,399		rt	1	1	1	1	1			0	5			0	5	1		0	1	0	0
0.47	SB	th	2	259	212	210	218			0	220			0	220	218		0	218	0	220
0.02		lt	3	1	1	1	1			0	5			0	5	1		0	1	0	0
2,286		rt	4	476	389	390	406			0	405			0	405	406		0	406	0	405
0.84	WB	th	5	4	3	5	5			0	5			0	5	5		0	5	0	5
0.05		lt	6	39	32	30	31			0	30	3		3	33	31		0	31	3	35
		rt	7	164	134	135	140			0	140	36		36	176	140		0	140	36	175
0.93	NB	th	8	455	372	370	385			0	385	0		0	385	385		0	385	0	385
0.01		lt	9	0	0	0	0			0	0	0		0	0	0		0	0	0	0
		rt	10	0	0	0	0			0	0	0		0	0	0		0	0	0	0
0.00	EB	th	11	0	0	0	0			0	0	0		0	0	0		0	0	0	0
0.00		lt	12	0	0	0	0			0	0	0		0	0	0		0	0	0	0
0.96		3	6	2008	0.81	7:15	Oly														
17	Capitol Way							/	Carlyon Ave							1,058		0	1,058		
1,264		th	1	243	196	195	203			0	205	2		2	207	203		0	203	2	205
0.78	SB	lt	2	14	11	10	10			0	10			0	10	10		0	10	0	10
0.04		l2	3	39	31	30	31			0	30			0	30	31		0	31	0	30
2,041		rt	4	109	88	90	94			0	95	3		3	98	94		0	94	3	95
0.55	WB	lt	5	95	77	75	78			0	80			0	80	78		0	78	0	80
0.03		l2	6	2	2	2	2			0	5			0	5	2		0	2	0	0
		r2	7	1	1	1	1			0	5			0	5	1		0	1	0	0
0.84	NW	rt	8	11	9	10	10			0	10			0	10	10		0	10	0	10
0.00		lt	9	15	12	10	10			0	10			0	10	10		0	10	0	10
		r2	10	25	20	20	21			0	20			0	20	21		0	21	0	20
0.72	NB	rt	11	60	48	50	52			0	50			0	50	52		0	52	0	50
0.02		th	12	650	525	525	546			0	545	12		12	557	546		0	546	12	560



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Annual Background Growth Rate (Counts to Existing)	N-S	2.0%	2.0%	Annual Background Growth Rate (2008 to 2010)
	E-W	2.0%	2.0%	
Round to Nearest		5	1	5 / 1

	Approach	Movement	Movement Number	Existing Counts	2-Hr Average Adjustment	2008 Existing Volumes	2010 by growth rate	Project 1	Project 2	Pipeline Project Totals	2010 Baseline	New Project Trips	Relocated DASH Service	Project Trips	2010 With-Project Volumes
				A	A2	B	C	1-1	1-2	1-T	D			m	F
				2007	1.00	2008	2010	Pipeline							2010
0.88		3	7	2007	0.83	7:15	EMP								
18		Jefferson St						/	North Driveway						734
550		rt	1	0	0	0	0			0	0			0	0
0.77	SB	th	2	390	324	330	343			0	345	240	16	256	601
0.03		lt	3	30	25	25	26			0	25	3	-16	-13	12
		rt	4	30	25	25	26	-5		-5	20	1	-12	-11	9
0.70	WB	th	5	0	0	0	0			0	0	0		0	0
0.02		lt	6	0	0	0	0			0	0	0		0	0
		rt	7	10	8	10	10			0	10	0		0	10
0.78	NB	th	8	90	75	75	78			0	80	10	12	22	102
0.03		lt	9	0	0	0	0			0	0			0	0
		rt	10	0	0	0	0			0	0			0	0
0.00	EB	th	11	0	0	0	0			0	0			0	0
0.00		lt	12	0	0	0	0			0	0			0	0
0.94		2	6	2008	0.77	7:00	EMP								
19		Jefferson St						/	South Driveway						734
736		rt	1	0	0	0	0			0	0			0	0
0.77	SB	th	2	350	270	270	281			0	280		16	16	296
0.03		lt	3	65	50	50	52	5		5	55	240		240	295
		rt	4	5	4	5	5			0	5	10		10	15
0.70	WB	th	5	0	0	0	0			0	0	0		0	0
0.02		lt	6	0	0	0	0			0	0	0		0	0
		rt	7	10	8	10	10	-5		-5	5	21		21	26
0.78	NB	th	8	110	85	85	88			0	90	0	12	12	102
0.03		lt	9	0	0	0	0			0	0			0	0
		rt	10	0	0	0	0			0	0			0	0
	EB	th	11	0	0	0	0			0	0			0	0
		lt	12	0	0	0	0			0	0			0	0

	B	Existing 2008	D	2010 Baseline	E	Project Trips	F	2010 With-Project Volumes
18		18 Jefferson St 355 100	18	18 Jefferson St 370 100	18	18 Jefferson St 243 11	18	18 Jefferson St 613 111
		25		20		-11		9
		0 25		0 20		0 -11		0 9
	0 330 25	0 35	0 345 25	0 35	0 256 -13	0 -13	0 601 12	0 22
	0	0 75 10	0	0 80 10	0	0 22 0	0	0 102 10
	0	0	0	0	0	0	0	0
		0		0		0		0
		330 85		345 90		256 22		601 112
19		19 Jefferson St 320 90	19	19 Jefferson St 335 95	19	19 Jefferson St 256 22	19	19 Jefferson St 591 117
		5		5		10		15
		0 5		0 5		0 10		0 15
	0 270 50	0 60	0 280 55	0 60	0 16 240	0 261	0 296 295	0 321
	0	0 85 10	0	0 90 5	0	0 12 21	0	0 102 26
	0	0	0	0	0	0	0	0
		0		0		0		0
		270 95		280 95		16 33		296 128

Appendix B
Wheeler Property Traffic Impact Analysis
PM Traffic Volume Worksheet

Annual Background Growth Rate (Counts to Existing)	N-S	2.0%	2.0%	Annual Background Growth Rate (2008 to 2010)
	E-W	2.0%	2.0%	
Round to Nearest		5	2.0%	5	1

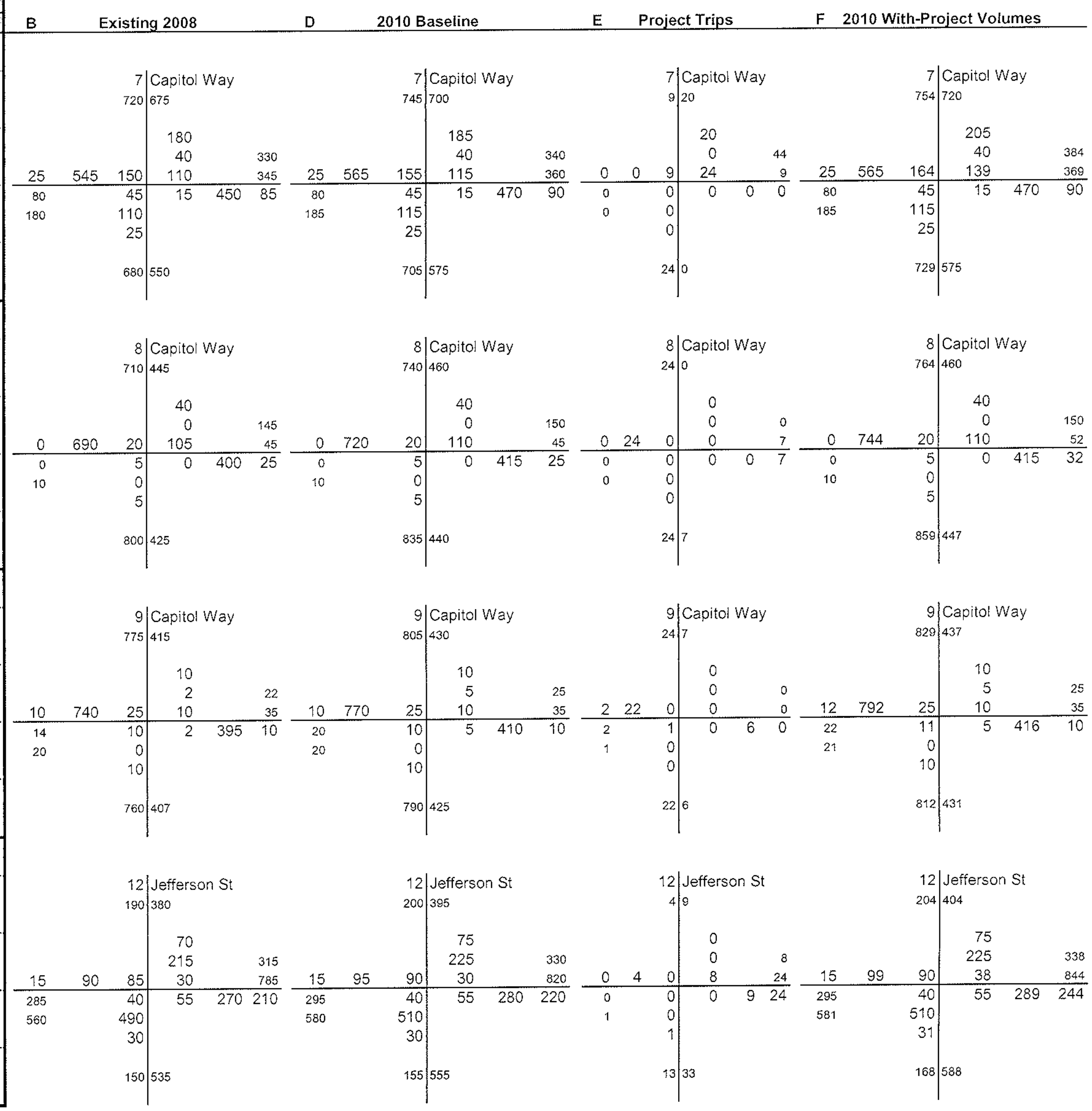
Approach	Movement	Movement Number	Existing Counts	Adjusted Volumes (Balanced)	2008 Existing Volumes	2010 by growth rate	Project 1	Project 2	Pipeline Project Totals	2010 Baseline	New Project Trips	Jefferson St. Correction	Relocated DASH Service	Project Trips	2010 With-Project Volumes
			A	A2	B	C	1-1	1-2	1-T	D				E	F
	mo	dy	year	1.00	2008	2010	Pipeline								2010
0.77	1	31	2008	0.91	5:00	TC									
3	Capitol Way						/	5th Avenue		1,305					1,342
1,380	rt	1	20	18	20	21			0	20				0	20
0.78	SB th	2	227	207	205	213			0	215	1			1	216
0.00	lt	3	4	4	5	5			0	5				0	5
2,512	rt	4	29	26	25	26			0	25				0	25
0.00	WB th	5	313	285	285	297			0	295	9			9	304
0.00	lt	6	3	3	5	5			0	5				0	5
	rt	7	68	62	60	62			0	60				0	60
0.78	NB th	8	353	321	320	333			0	335	16			16	351
0.00	lt	9	6	5	5	5			0	5	4			4	9
	rt	10	70	64	65	68			0	70	7			7	77
0.66	EB th	11	276	251	250	260			0	260				0	260
0.00	lt	12	11	10	10	10			0	10				0	10
0.85	1	31	2008	0.89	4:45	TC									
4	Capitol Way						/	Legion Way		1,241					1,269
1,354	rt	1	17	15	15	16			0	15				0	15
0.70	SB th	2	328	292	290	302			0	300	8			8	308
0.00	lt	3	1	1	1	1			0	1				0	1
2,414	rt	4	63	56	55	57			0	55				0	55
0.00	WB th	5	201	179	180	187			0	185				0	185
0.00	lt	6	58	52	50	52			0	50				0	50
	rt	7	81	72	70	73			0	75				0	75
0.65	NB th	8	395	352	350	364			0	365	20			20	385
0.00	lt	9	5	4	5	5			0	5				0	5
	rt	10	50	45	45	47			0	45				0	45
0.58	EB th	11	146	130	130	135			0	135				0	135
0.00	lt	12	9	8	10	10			0	10				0	10
0.82	1	31	2008	0.90	4:30	TC									
5	Capitol Way						/	Union Ave		1,785					1,813
1,915	rt	1	8	7	5	5			0	5				0	5
0.81	SB th	2	470	425	425	442			0	440	8			8	448
0.03	lt	3	89	80	80	83			0	85				0	85
3,464	rt	4	68	62	60	62			0	60				0	60
0.88	WB th	5	122	110	110	114			0	115				0	115
0.01	lt	6	151	137	135	140			0	140				0	140
	rt	7	134	121	120	125			0	125				0	125
0.84	NB th	8	538	487	485	505			0	505	20			20	525
0.02	lt	9	47	43	45	47			0	45				0	45
	rt	10	58	52	50	52			0	50				0	50
0.74	EB th	11	222	201	200	208			0	210				0	210
0.01	lt	12	8	7	5	5			0	5				0	5
0.817	1	31	2008	0.86	4:45	TC									
6	Capitol Way						/	11th Avenue							
1,798	rt	1	10	9	10	10			0	10				0	10
0.805	SB th	2	662	569	570	593			0	595	8			8	603
0.03	lt	3	14	12	10	10			0	10				0	10
3,091	rt	4	38	33	35	36			0	35				0	35
0.879	WB th	5	50	43	45	47			0	45				0	45
0.01	lt	6	67	58	60	62			0	60				0	60
0	rt	7	47	40	40	42			0	40				0	40
0.835	NB th	8	684	588	590	614			0	615	20			20	635
0.02	lt	9	63	54	55	57			0	55				0	55
0	rt	10	94	81	80	83			0	85	1			1	86
0.735	EB th	11	41	35	35	36			0	35				0	35
0.01	lt	12	28	24	25	26			0	25				0	25

B	Existing 2008	D	2010 Baseline	E	Project Trips	F	2010 With-Project Volumes
	3 Capitol Way		3 Capitol Way		3 Capitol Way		3 Capitol Way
	230 355		240 370		1 16		241 386
	25		25		0		25
	285 315		295 325		9 9		304 334
20 205 5	5 315	20 215 5	5 325	0 1 0	0 0	20 216 5	5 325
310 10	5 320 60	320 10	5 335 60	13 0	4 16 0	333 10	9 351 60
325 250		340 260		7 0		347 260	
65		70		7		77	
275 385		290 400		8 20		298 420	
	4 Capitol Way		4 Capitol Way		4 Capitol Way		4 Capitol Way
	306 415		316 430		8 20		324 450
	55		55		0		55
	180 285		185 290		0 0		185 290
15 290 1	50 201	15 300 1	50 211	0 8 0	0 0	15 308 1	50 211
200 10	5 350 70	205 10	5 365 75	0 0	0 20 0	205 10	5 385 75
185 130		190 135		0 0		190 135	
45		45		0		45	
385 425		395 445		8 20		403 465	
	5 Capitol Way		5 Capitol Way		5 Capitol Way		5 Capitol Way
	510 550		530 570		8 20		538 590
	60		60		0		60
	110 305		115 315		0 0		115 315
5 425 80	135 400	5 440 85	140 420	0 8 0	0 0	5 448 85	140 420
160 5	45 485 120	165 5	45 505 125	0 0	0 20 0	165 5	45 525 125
255 200		265 210		0 0		265 210	
50		50		0		50	
610 650		630 675		8 20		638 695	
	6 Capitol Way		6 Capitol Way		6 Capitol Way		6 Capitol Way
	590 650		615 675		8 20		623 695
	35		35		0		35
	45 140		45 140		0 0		45 140
10 570 10	60 85	10 595 10	60 85	0 8 0	0 0	10 603 10	60 85
110 25	55 590 40	110 25	55 615 40	0 0	0 20 0	110 25	55 635 40
140 35		145 35		1 0		146 35	
80		85		1		86	
710 685		740 710		9 20		749 730	

Appendix B
Wheeler Property Traffic Impact Analysis
PM Traffic Volume Worksheet

Annual Background Growth Rate (Counts to Existing)		2008 to 2010		Annual Background Growth Rate (2008 to 2010)
N-S	2.0%	2.0%		
E-W	2.0%	2.0%		
Round to Nearest	5	2.0%	2010 Baseline: 5	2010 With-Project Volumes: 1

	Approach	Movement	Movement Number	Existing Counts	Adjusted Volumes (Balanced)	2008 Existing Volumes	2010 by growth rate	Project 1	Project 2	Pipeline Project Totals	2010 Baseline	New Project Trips	Jefferson St. Correction	Relocated DASH Service	Project Trips	2010 With-Project Volumes
				A	A2	B	C	1-1	1-2	1-T	D				E	F
0.817		2	7	2008	0.86	4:30	Oly									
7	Capitol Way							/	14th Avenue							
2,072		rt	1	30	26	25	26			0	25				0	25
0.805	SB	th	2	635	544	545	567			0	565				0	565
0.03		lt	3	173	148	150	156			0	155	9			9	164
3,547		rt	4	213	182	180	187			0	185	20			20	205
0.879	WB	th	5	46	39	40	42			0	40	0			0	40
0.01		lt	6	131	112	110	114			0	115	24			24	139
0		rt	7	98	84	85	88			0	90				0	90
0.835	NB	th	8	523	448	450	468			0	470				0	470
0.02		lt	9	15	13	15	16			0	15				0	15
0		rt	10	30	26	25	26			0	25				0	25
0.735	EB	th	11	126	108	110	114			0	115				0	115
0.01		lt	12	52	45	45	47			0	45				0	45
0.817		2	7	2008	0.88	4:30	Oly									
8	Capitol Way							/	Maple Park Avenue							
1,463		rt	1	0	0	0	0			0	0				0	0
0.805	SB	th	2	785	689	690	718			0	720	24			24	744
0.03		lt	3	22	19	20	21			0	20				0	20
2,570		rt	4	44	39	40	42			0	40				0	40
0.879	WB	th	5	0	0	0	0			0	0				0	0
0.01		lt	6	119	105	105	109			0	110				0	110
0		rt	7	30	26	25	26			0	25	7			7	32
0.835	NB	th	8	457	401	400	416			0	415				0	415
0.02		lt	9	0	0	0	0			0	0				0	0
0		rt	10	3	3	5	5			0	5				0	5
0.735	EB	th	11	0	0	0	0			0	0				0	0
0.01		lt	12	3	3	5	5			0	5				0	5
0.817		6	13	2008	0.90	4:30	Oly	out of session								
9	Capitol Way							/	21st Avenue							
1,348		rt	1	9	8	10	10			0	10	2			2	12
0.81	SB	th	2	822	741	740	770			0	770	22			22	792
0.01		lt	3	27	24	25	26			0	25				0	25
2,430		rt	4	11	10	10	10			0	10				0	10
0.879	WB	th	5	2	2	2	2			0	5				0	5
0.01		lt	6	9	8	10	10			0	10				0	10
0		rt	7	10	9	10	10			0	10				0	10
0.835	NB	th	8	438	395	395	411			0	410	6			6	416
0.02		lt	9	2	2	2	2			0	5				0	5
0		rt	10	9	8	10	10			0	10				0	10
0.735	EB	th	11	0	0	0	0			0	0				0	0
0.01		lt	12	9	8	10	10			0	10	1			1	11
0.83		1	31	2008	0.87	4:30	TC									
12	Jefferson St							/	Union Avenue							
1,837		rt	1	17	15	15	16			0	15				0	15
0.94	SB	th	2	106	92	90	94			0	95	4			4	99
0.01		lt	3	97	84	85	88			0	90				0	90
3,198		rt	4	79	69	70	73			0	75				0	75
0.87	WB	th	5	249	217	215	224			0	225				0	225
0.01		lt	6	33	29	30	31			0	30	8			8	38
0		rt	7	240	209	210	218			0	220	24			24	244
0.62	NB	th	8	310	270	270	281			0	280	9			9	289
0.02		lt	9	62	54	55	57			0	55				0	55
0		rt	10	32	28	30	31			0	30	1			1	31
0.74	EB	th	11	564	491	490	510			0	510				0	510
0.01		lt	12	48	42	40	42			0	40				0	40



Appendix B
Wheeler Property Traffic Impact Analysis
PM Traffic Volume Worksheet

Annual Background Growth Rate (Counts to Existing)	N-S				2.0%	2.0%	Annual Background Growth Rate (2008 to 2010)									0.0%	Annual Background Growth Rate (2010 to 2030)					
	E-W				2.0%	2.0%										0.0%						
																0.0%						
Round to Nearest					5	2.0%				5					1	1			1			5
Approach	Movement	Movement Number	Existing Counts	Adjusted Volumes (Balanced)	2008 Existing Volumes	2010 by growth rate	Project 1	Project 2	Pipeline Project Totals	2010 Baseline	New Project Trips	Jefferson St. Correction	Relocated DASH Service	Project Trips	2010 With-Project Volumes	2030 Existing (Copy)	25-Year Growth Increment	Model Growth Increment	2030 Baseline Volumes	Copied 2010 Project Trips	2030 Design Volumes
			A	A2	B	C	1-1	1-2	1-T	D				E	F	G	1-2	1-T	H		J
0.83	3	7	2007	0.84	4:30	Oly															
13	Jefferson St						/	14th Avenue								2,081		588	2,669		2,870
2,320	rt	1	42	35	35	36			0	35				0	35	36	6	6	42	0	40
0.94	SB th	2	114	96	100	104			0	105	14			14	119	104	15	15	119	14	135
0.04	lt	3	384	324	330	343			0	345				0	345	343	51	51	394	0	395
3.916	rt	4	249	210	215	224			0	225				0	225	224	75	75	299	0	300
0.87	WB th	5	248	209	215	224			0	225				0	225	224	75	75	299	0	300
0.01	lt	6	80	68	70	73			0	75	56			56	131	73	25	25	98	56	155
0	rt	7	197	166	170	177			0	175	33			33	208	177	163	163	340	33	375
0.62	NB th	8	61	51	50	52			0	50	33			33	83	52	48	48	100	33	135
0.06	lt	9	3	3	5	5			0	5	44			44	49	5	5	5	10	44	55
0	rt	10	29	24	25	26			0	25	9			9	34	26	3	3	29	9	40
0.74	EB th	11	825	696	710	739			0	740				0	740	739	110	110	849	0	850
0.02	lt	12	88	74	75	78			0	80				0	80	78	12	12	90	0	90
0.76	2	6	2008	0.81	4:30	Oly															
14	Jefferson St						/	Maple Park Avenue								378		0	378		
443	rt	1	119	97	95	99			0	100			9	9	109	99		0	99	9	110
0.84	SB th	2	43	35	35	36			0	35				0	35	36		0	36	0	35
0.03	lt	3	13	11	10	10			0	10			-5	-5	5	10		0	10	-5	5
721	rt	4	5	4	5	5			0	5				0	5	5		0	5	0	5
0.50	WB th	5	3	2	2	2			0	5				0	5	2		0	2	0	0
0.10	lt	6	2	2	2	2			0	5				0	5	2		0	2	0	0
	rt	7	1	1	1	1			0	5				0	5	1		0	1	0	0
0.55	NB th	8	18	15	15	16			0	15				0	15	16		0	16	0	15
0	lt	9	5	4	5	5			0	5				0	5	5		0	5	0	5
	rt	10	4	3	5	5			0	5				0	5	5		0	5	0	5
0.67	EB th	11	5	4	5	5			0	5				0	5	5		0	5	0	5
0.01	lt	12	225	183	185	192			0	190	7		16	23	213	192		0	192	23	215
0.92	1	31	2008	0.88	4:45	TC															
16	14th Avenue Extension						/	Henderson Blvd								1,160		0	1,160		
1,266	rt	1	0	0	0	0			0	0				0	0	0		0	0	0	0
0.91	SB th	2	441	389	390	406			0	405				0	405	406		0	406	0	405
0.01	lt	3	4	4	5	5			0	5				0	5	5		0	5	0	5
2,236	rt	4	319	282	280	291			0	290				0	290	291		0	291	0	290
0.88	WB th	5	0	0	0	0			0	0				0	0	0		0	0	0	0
0.01	lt	6	301	266	265	276			0	275	25			25	300	276		0	276	25	300
	rt	7	25	22	20	21			0	20	7			7	27	21		0	21	7	30
0.91	NB th	8	176	155	155	161			0	160				0	160	161		0	161	0	160
0.02	lt	9	0	0	0	0			0	0				0	0	0		0	0	0	0
	rt	10	0	0	0	0			0	0				0	0	0		0	0	0	0
0	EB th	11	0	0	0	0			0	0				0	0	0		0	0	0	0
0	lt	12	0	0	0	0			0	0				0	0	0		0	0	0	0
0.92	3	6	2008	0.78	4:30	Oly															
17	Capitol Way						/	Carlyon Ave								1,258		0	1,258		
1,618	th	1	750	584	585	609			0	610	18			18	628	585		0	585	18	605
0.84	SB lt	2	10	8	10	10			0	10	2			2	12	10		0	10	2	10
0.01	l2	3	50	39	40	42			0	40				0	40	40		0	40	0	40
2520	rt	4	38	30	30	31			0	30	2			2	32	30		0	30	2	30
0.79	WB lt	5	79	62	60	62			0	60				0	60	60		0	60	0	60
0	l2	6	3	2	2	2			0	5				0	5	2		0	2	0	0
	r2	7	1	1	1	1			0	5				0	5	1		0	1	0	0
0.63	NW rt	8	16	12	10	10			0	10				0	10	10		0	10	0	10
0.00	lt	9	41	32	30	31			0	30				0	30	30		0	30	0	30
	r2	10	20	16	15	16			0	15				0	15	15		0	15	0	15
0.90	NB rt	11	116	90	90	94			0	95				0	95	90		0	90	0	90
0.02	th	12	494	385	385	401			0	400	3			3	403	385		0	385	3	390

B	Existing 2008	D	2010 Baseline	E	Project Trips	F	2010 With-Project Volumes
13	Jefferson St	13	Jefferson St	13	Jefferson St	13	Jefferson St
	465 340		485 355		14 33		499 388
	215		225		0		225
	215 500		225 525		0 56		225 581
35 100 330	70 1210	35 105 345	75 1260	0 14 0	56 33	35 119 345	131 1293
255	75 5 50 170	265	80 5 50 175	44	0 44 33 33	309	80 49 83 208
810	710	845	740	9	0	854	740
	25		25		9		34
55	195 225		205 230		79 110		284 340
14	Jefferson St	14	Jefferson St	14	Jefferson St		
	140 205		145 210		4 23		
	5		5		0		
	2 9		5 15		0 0		
95 35 10	2 16	100 35 10	5 20	9 0 -5	0 -5		
102	185 5 15 1	110	190 5 15 5	9	23 0 0 0		
195	5	200	5	23	0		
	5		5		0		
	42 21		45 25		0 0		
16	14th Avenue Extension	16	14th Avenue Extension	16	14th Avenue Exte		
	395 435		410 450		0 0		
	280		290		0		
	0 545		0 565		0 25		
0 390 5	265 25	0 405 5	275 25	0 0 0	25 7		
0	0 0 155 20	0	0 0 160 20	0	0 0 0 7		
0	0	0	0	0	0		
	0		0		0		
	655 175		680 180		25 7		
17	Capitol Way	17	Capitol Way	17	Capitol Way		
	635 425		660 440		20 5		
	30		30		2		
	60 92		60 95		0 2		
585 10 40	2 131	610 10 40	5 140	18 2 0	0 0		
675	385 30 10 1	700	400 30 10 5	18	3 0 0 0		
490	90	510	95	3	0		
	15		15		0		
	27 41		30 45		2 0		

[redacted]

Appendix B
Wheeler Property Traffic Impact Analysis
PM Traffic Volume Worksheet

Annual Background Growth Rate (Counts to Existing)	N-S	2.0%	2.0%
	E-W	2.0%	2.0%
Round to Nearest		5	2.0%

Annual Background Growth Rate (2008 to 2010)

	Approach	Movement	Movement Number	Existing Counts	Adjusted Volumes (Balanced)	2008 Existing Volumes	2010 by growth rate	rounding corrections	Project 2	Pipeline Project Totals	2010 Baseline	New Project Trips	Jefferson St. Correction	Relocated DASH Service	Project Trips	2010 With-Project Volumes
											5					1
				A	A2	B	C	1-1	1-2	1-T	D				m	T
0.92		3	7	2007	0.84	4:30	Oly									
18				Jefferson St				/	North Driveway							
500		rt	1	0	0	0	0			0	0				0	0
0.84	SB	th	2	210	176	180	187			0	185	66		4	70	255
0.01		lt	3	10	8	10	10	5		5	15	1		-4	-3	12
100		rt	4	35	29	30	31			0	30	3		-16	-13	17
0.79	WB	th	5	0	0	0	0			0	0				0	0
0		lt	6	0	0	0	0			0	0				0	0
0		rt	7	10	8	10	10			0	10	0			0	10
0.63	NB	th	8	235	197	200	208	-5		-5	205	107		16	123	328
0		lt	9	0	0	0	0			0	0				0	0
0		rt	10	0	0	0	0			0	0				0	0
0.9	EB	th	11	0	0	0	0			0	0				0	0
0.02		lt	12	0	0	0	0			0	0				0	0
0.92		2	6	2008	0.84	4:30	Oly									
19				Jefferson St				/	South Driveway							
480		rt	1	0	0	0	0			0	0				0	0
0.84	SB	th	2	170	143	145	151			0	150			4	4	154
0.01		lt	3	25	21	20	21	5		5	25	66			66	91
100		rt	4	50	42	40	42	-5		-5	35	107			107	142
0.79	WB	th	5	0	0	0	0			0	0				0	0
0		lt	6	0	0	0	0			0	0				0	0
0		rt	7	15	13	15	16			0	15	7			7	22
0.63	NB	th	8	220	185	185	192			0	190	0		16	16	206
0		lt	9	0	0	0	0			0	0				0	0
0		rt	10	0	0	0	0			0	0				0	0
0.9	EB	th	11	0	0	0	0			0	0				0	0
0.02		lt	12	0	0	0	0			0	0				0	0

B Existing 2008	D 2010 Baseline	E Project Trips	F 2010 With-Project Volumes
18 Jefferson St	18 Jefferson St	18 Jefferson St	18 Jefferson St
190 230	200 235	67 110	267 345
30	30	-13	17
0 30	0 30	0 -13	0 17
0 180 10 0 20	0 185 15 0 25	0 70 -3 0 -3	0 255 12 0 22
0 0 0 200 10	0 0 0 205 10	0 0 0 123 0	0 0 0 328 10
0 0	0 0	0 0	0 0
0	0	0	0
180 210	185 215	70 123	255 338
19 Jefferson St	19 Jefferson St	19 Jefferson St	19 Jefferson St
165 225	175 225	70 123	245 348
40	35	107	142
0 40	0 35	0 107	0 142
0 145 20 0 35	0 150 25 0 40	0 4 66 0 73	0 154 91 0 113
0 0 0 185 15	0 0 0 190 15	0 0 0 16 7	0 0 0 206 22
0 0	0 0	0 0	0 0
0	0	0	0
145 200	150 205	4 23	154 228