

Appendix B. Intersection Analysis Printouts

1: Century Ave & Allen Ct Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	28.4	42.1	29.1	23.0	19.7	12.1	55.6	4.5	2.3	50.2	70.0	10.3

1: Century Ave & Allen Ct Performance by movement

Movement	All
Delay / Veh (s)	24.0

2: Century Ave & County Rd Q Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	13.3	5.7	3.7	12.1	9.8	5.7	41.7	42.6	8.7	33.4	58.5	32.3

2: Century Ave & County Rd Q Performance by movement

Movement	All
Delay / Veh (s)	15.8

3: County Rd M & County Rd K Performance by movement

Movement	EBL	EBT	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	All
Delay / Veh (s)	24.4	7.2	19.0	13.9	58.7	16.3	5.1	52.2	14.5	47.4	20.4

4: County Rd K & County Rd Q Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	24.9	17.0	13.6	33.6	30.2	22.0	28.9	13.2	2.8	25.5	24.0	15.9

4: County Rd K & County Rd Q Performance by movement

Movement	All
Delay / Veh (s)	22.1

5: Oncken Rd & County Rd M Performance by movement

Movement	EBL	EBT	EBR	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	All
Delay / Veh (s)	15.5	0.5	10.7	7.5	2.7	6.9	0.8	2.9	2.9	2.6	2.0	2.3

6: Indigo Way & Performance by movement

Movement	EBL	EBR	NBL	NBT	SBT	SBR	All
Delay / Veh (s)	8.0	4.1	3.7	0.8	0.7	0.1	1.1

7: Balzer Rd & County Rd Q Performance by movement

Movement	EBL	EBR	NBL	NBT	SBT	SBR	All
Delay / Veh (s)	9.3	5.7	4.4	3.0	2.8	2.2	3.2

8: Oncken Rd & County Rd Q Performance by movement

Movement	WBL	WBR	NBT	NBR	SBL	SBT	All
Delay / Veh (s)	8.4	4.2	0.8	0.5	6.5	5.1	4.0

9: County Rd K & US 12 Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	39.8	60.1	24.9	75.6	10.8	32.9	65.1	22.0	9.4	81.8	74.0	36.5

9: County Rd K & US 12 Performance by movement

Movement	All
Delay / Veh (s)	54.6

10: Century Ave & Branch St Performance by movement

Movement	EBT	EBR	WBL	WBT	NBL	NBR	All
Delay / Veh (s)	8.5	6.1	10.2	4.8	29.9	9.0	7.5

11: Century Ave & Highland Way Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBR	SBL	SBT	SBR	All
Delay / Veh (s)	21.5	7.5	5.5	7.5	6.6	3.6	57.8	9.6	50.4	85.0	20.6	7.9

12: University Ave. & Allen Blvd Performance by movement

Movement	EBL	EBT	WBT	WBR	SBL	SBR	All
Delay / Veh (s)	28.3	17.4	27.3	6.8	34.1	11.6	25.0

13: Century Ave & High Rd Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	13.6	5.0	3.2	14.9	5.0	3.5	31.0	24.7	4.8	29.1	22.6	10.3

13: Century Ave & High Rd Performance by movement

Movement	All
Delay / Veh (s)	7.6

14: Century Ave & Frank Lloyd Wright Ave Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	7.9	4.9	4.4	8.2	5.1	4.3	23.5	24.9	8.3	34.8	22.1	6.5

14: Century Ave & Frank Lloyd Wright Ave Performance by movement

Movement	All
Delay / Veh (s)	8.4

Total Network Performance

Delay / Veh (s)	56.7
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Queuing and Blocking Report
Existing AM Peak Hour

10/11/2010

Intersection: 1: Century Ave & Allen Ct

Movement	EB	EB	EB	WB	WB	WB	NB	NB	NB	NB	SB	SB
Directions Served	LT	T	R	L	LT	TR	L	LT	R	R	L	TR
Maximum Queue (ft)	204	260	330	345	477	384	89	90	66	78	31	60
Average Queue (ft)	94	104	165	192	211	195	38	35	9	17	4	18
95th Queue (ft)	160	187	290	325	383	345	79	70	44	58	18	48
Link Distance (ft)	1512	1512			2182	2182		1750	1750		175	175
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)			275	325			300			275		
Storage Blk Time (%)			2	0	1							
Queuing Penalty (veh)			3	3	3							

Intersection: 2: Century Ave & County Rd Q

Movement	EB	EB	EB	WB	WB	WB	NB	NB	SB	SB	SB	
Directions Served	L	T	TR	L	T	TR	LT	R	LT	R	R	
Maximum Queue (ft)	96	95	113	21	190	191	104	38	148	318	211	
Average Queue (ft)	46	32	49	3	80	98	37	3	27	127	118	
95th Queue (ft)	83	74	93	14	148	171	79	20	83	259	204	
Link Distance (ft)		2494	2494		2504	2504	598			2069		
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	150			200				50	150		150	
Storage Blk Time (%)					0		13			5	5	
Queuing Penalty (veh)					0		1			17	16	

Intersection: 3: County Rd M & County Rd K

Movement	EB	EB	WB	WB	NB	SB
Directions Served	L	TR	T	R	LTR	LTR
Maximum Queue (ft)	29	158	522	250	30	380
Average Queue (ft)	3	68	188	60	5	199
95th Queue (ft)	15	141	383	164	24	352
Link Distance (ft)		1786	2331		1148	1899
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)	150			200		
Storage Blk Time (%)		0	19			
Queuing Penalty (veh)		0	73			

Queuing and Blocking Report
Existing AM Peak Hour

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Intersection: 4: County Rd K & County Rd Q

Movement	EB	EB	WB	WB	NB	NB	NB	SB	SB	SB
Directions Served	L	TR	L	TR	L	T	R	L	T	R
Maximum Queue (ft)	146	189	92	313	100	122	6	105	306	176
Average Queue (ft)	64	78	11	170	23	34	0	13	138	66
95th Queue (ft)	119	150	46	276	62	86	2	53	252	137
Link Distance (ft)		4469		6785		3912			841	
Upstream Blk Time (%)										
Queuing Penalty (veh)										
Storage Bay Dist (ft)	100		75		50		325	100		325
Storage Blk Time (%)	2	3	0	34	1	4		0	13	
Queuing Penalty (veh)	4	4	0	3	2	2		0	52	

Intersection: 5: Oncken Rd & County Rd M

Movement	EB	WB	NB	SB
Directions Served	LR	LTR	L	L
Maximum Queue (ft)	52	22	12	18
Average Queue (ft)	16	2	0	1
95th Queue (ft)	40	11	6	8
Link Distance (ft)	7757	607		
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)			50	50
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 6: Indigo Way &

Movement	EB	NB
Directions Served	LR	LT
Maximum Queue (ft)	56	40
Average Queue (ft)	19	10
95th Queue (ft)	40	34
Link Distance (ft)	544	1830
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Queuing and Blocking Report
Existing AM Peak Hour

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Intersection: 7: Balzer Rd & County Rd Q

Movement	EB	NB	SB
Directions Served	LR	LT	TR
Maximum Queue (ft)	62	73	14
Average Queue (ft)	29	11	1
95th Queue (ft)	57	44	6
Link Distance (ft)	812	3516	1251
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 8: Oncken Rd & County Rd Q

Movement	WB	SB
Directions Served	LR	LT
Maximum Queue (ft)	60	38
Average Queue (ft)	25	3
95th Queue (ft)	54	22
Link Distance (ft)	7757	3912
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Queuing and Blocking Report
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Intersection: 9: County Rd K & US 12

Movement	EB	EB	EB	WB	WB	NB	NB	NB	NB	SB	SB	SB
Directions Served	L	T	R	L	TR	L	T	T	R	L	T	T
Maximum Queue (ft)	68	132	102	250	887	52	162	174	84	23	1068	1086
Average Queue (ft)	13	43	39	241	433	11	77	88	36	3	605	635
95th Queue (ft)	42	92	85	276	866	36	133	143	63	13	1147	1179
Link Distance (ft)		1194			6571		1770	1770			2573	2573
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	100		275	200		350			350	325		
Storage Blk Time (%)		2		41							28	27
Queuing Penalty (veh)		3		15							2	16

Intersection: 9: County Rd K & US 12

Movement	SB
Directions Served	R
Maximum Queue (ft)	332
Average Queue (ft)	49
95th Queue (ft)	218
Link Distance (ft)	
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	350
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 10: Century Ave & Branch St

Movement	EB	EB	WB	WB	NB	NB
Directions Served	T	TR	LT	T	L	R
Maximum Queue (ft)	155	186	174	147	71	74
Average Queue (ft)	63	84	79	51	30	35
95th Queue (ft)	133	161	146	128	62	60
Link Distance (ft)	1618	1618	1512	1512	921	
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)					100	
Storage Blk Time (%)					0	
Queuing Penalty (veh)					0	

Queuing and Blocking Report
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Intersection: 11: Century Ave & Highland Way

Movement	EB	EB	EB	WB	WB	WB	NB	SB	SB
Directions Served	L	T	TR	L	T	TR	LR	LT	R
Maximum Queue (ft)	54	106	102	17	297	346	59	40	90
Average Queue (ft)	17	26	31	1	82	107	14	10	37
95th Queue (ft)	45	76	81	7	207	254	42	33	74
Link Distance (ft)		2182	2182		2494	2494	880	539	
Upstream Blk Time (%)									
Queuing Penalty (veh)									
Storage Bay Dist (ft)	100			200					100
Storage Blk Time (%)		0			1				0
Queuing Penalty (veh)		0			0				0

Intersection: 12: University Ave. & Allen Blvd

Movement	EB	EB	EB	WB	WB	SB	SB	SB
Directions Served	L	T	T	T	T	L	L	R
Maximum Queue (ft)	90	229	232	209	213	541	568	275
Average Queue (ft)	32	119	125	112	118	313	325	49
95th Queue (ft)	72	190	201	181	188	480	495	220
Link Distance (ft)		1909	1909	1742	1742	3465	3465	
Upstream Blk Time (%)								
Queuing Penalty (veh)								
Storage Bay Dist (ft)	275							225
Storage Blk Time (%)		0			1		19	0
Queuing Penalty (veh)		0			2		17	0

Intersection: 13: Century Ave & High Rd

Movement	EB	EB	WB	WB	NB	NB	SB	SB
Directions Served	LT	TR	LT	TR	L	TR	L	TR
Maximum Queue (ft)	112	130	142	156	25	54	80	148
Average Queue (ft)	40	46	47	61	4	17	32	53
95th Queue (ft)	83	92	109	129	18	40	67	108
Link Distance (ft)	1026	1026	1237	1237		1134		1326
Upstream Blk Time (%)								
Queuing Penalty (veh)								
Storage Bay Dist (ft)					100		100	
Storage Blk Time (%)							0	2
Queuing Penalty (veh)							0	1

Queuing and Blocking Report
Existing AM Peak Hour

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Intersection: 14: Century Ave & Frank Lloyd Wright Ave

Movement	EB	EB	EB	WB	WB	WB	NB	NB	SB	SB
Directions Served	L	T	TR	L	T	TR	LT	R	L	TR
Maximum Queue (ft)	25	76	90	88	128	164	70	57	178	103
Average Queue (ft)	5	23	30	28	38	51	19	27	68	39
95th Queue (ft)	22	54	60	63	97	115	51	49	133	82
Link Distance (ft)		1237	1237		1618	1618	558		273	273
Upstream Blk Time (%)										
Queuing Penalty (veh)										
Storage Bay Dist (ft)	200			150				100		
Storage Blk Time (%)					0		0			
Queuing Penalty (veh)					0		0			

Network Summary

Network wide Queuing Penalty: 239

1: Century Ave & Allen Ct Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	33.9	34.2	17.3	38.4	39.4	35.6	65.4	8.1	18.7	55.3	61.4	12.2

1: Century Ave & Allen Ct Performance by movement

Movement	All
Delay / Veh (s)	32.2

2: Century Ave & County Rd Q Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	16.7	5.1	5.1	12.0	10.6	6.6	81.5	88.4	12.0	68.0	68.4	45.7

2: Century Ave & County Rd Q Performance by movement

Movement	All
Delay / Veh (s)	13.7

3: County Rd M & County Rd K Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBT	NBR	SBL	SBT	SBR	All
Delay / Veh (s)	30.1	20.6	12.5	57.0	19.2	12.5	49.2	22.6	62.8	4.1	57.9	26.6

4: County Rd K & County Rd Q Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	78.8	56.8	60.8	36.1	33.1	26.7	53.4	47.8	8.9	59.3	33.4	11.9

4: County Rd K & County Rd Q Performance by movement

Movement	All
Delay / Veh (s)	48.7

5: Oncken Rd & County Rd M Performance by movement

Movement	EBL	EBT	EBR	WBL	WBR	NBL	NBT	NBR	SBL	SBT	SBR	All
Delay / Veh (s)	22.5	1.0	8.9	16.8	8.1	10.2	1.7	4.6	7.6	1.6	1.6	2.2

6: Indigo Way & Performance by movement

Movement	EBL	EBR	NBL	NBT	SBT	SBR	All
Delay / Veh (s)	6.2	2.7	2.7	0.8	0.2	0.1	0.8

7: Balzer Rd & County Rd Q Performance by movement

Movement	EBL	EBR	NBL	NBT	SBT	SBR	All
Delay / Veh (s)	10.9	4.5	2.8	3.9	1.7	0.8	3.7

8: Oncken Rd & County Rd Q Performance by movement

Movement	WBL	WBR	NBT	NBR	SBL	SBT	All
Delay / Veh (s)	8.7	6.0	1.0	0.5	8.1	3.6	2.2

9: County Rd K & US 12 Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	37.8	51.9	10.2	45.9	35.4	31.3	105.4	90.1	80.8	61.9	26.6	8.8

9: County Rd K & US 12 Performance by movement

Movement	All
Delay / Veh (s)	69.2

10: Century Ave & Branch St Performance by movement

Movement	EBT	EBR	WBL	WBT	NBL	NBR	All
Delay / Veh (s)	17.6	15.5	27.7	10.3	26.9	15.6	16.6

11: Century Ave & Highland Way Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBR	SBL	SBR	All
Delay / Veh (s)	16.6	12.3	9.2	21.0	4.5	2.6	52.3	17.2	53.8	11.2	10.1

12: University Ave. & Allen Blvd Performance by movement

Movement	EBL	EBT	WBT	WBR	SBL	SBT	SBR	All
Delay / Veh (s)	31.0	9.0	30.4	13.7	36.6	1.3	6.1	21.0

13: Century Ave & High Rd Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	17.0	7.7	4.6	12.3	4.3	3.1	25.5	19.6	8.9	26.4	20.4	8.9

13: Century Ave & High Rd Performance by movement

Movement	All
Delay / Veh (s)	8.5

14: Century Ave & Frank Lloyd Wright Ave Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	12.1	5.7	3.4	11.7	7.8	6.6	26.2	24.0	12.4	45.4	18.8	6.0

14: Century Ave & Frank Lloyd Wright Ave Performance by movement

Movement	All
Delay / Veh (s)	11.3

Total Network Performance

Delay / Veh (s)	69.3
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Queuing and Blocking Report
 Existing Conditions PM Peak Hour

10/11/2010

Intersection: 1: Century Ave & Allen Ct

Movement	EB	EB	EB	WB	WB	WB	NB	NB	NB	NB	SB	SB
Directions Served	LT	T	R	L	LT	TR	L	LT	R	R	L	TR
Maximum Queue (ft)	793	800	329	279	320	356	198	204	280	298	64	69
Average Queue (ft)	301	309	92	169	199	205	111	112	169	179	19	21
95th Queue (ft)	606	616	273	259	296	319	194	197	268	279	52	50
Link Distance (ft)	1512	1512			2182	2182		1750	1750		175	175
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)			275	325			300			275		
Storage Blk Time (%)		11	0	0	0		0	0	0	1		
Queuing Penalty (veh)		24	0	0	1		0	0	1	3		

Intersection: 2: Century Ave & County Rd Q

Movement	EB	EB	EB	WB	WB	WB	NB	NB	SB	SB	SB	
Directions Served	L	T	TR	L	T	TR	LT	R	LT	R	R	
Maximum Queue (ft)	223	265	275	18	178	205	96	20	103	279	204	
Average Queue (ft)	117	60	71	2	63	73	28	2	30	92	89	
95th Queue (ft)	204	175	179	13	138	156	69	13	75	194	170	
Link Distance (ft)		2494	2494		2504	2504	598			2069		
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	150			200				50	150		150	
Storage Blk Time (%)	4	0			0		14		0	4	4	
Queuing Penalty (veh)	20	1			0		0		0	7	7	

Intersection: 3: County Rd M & County Rd K

Movement	EB	EB	WB	WB	WB	NB	SB
Directions Served	L	TR	L	T	R	LTR	LTR
Maximum Queue (ft)	47	592	57	444	250	41	662
Average Queue (ft)	2	310	9	159	22	7	329
95th Queue (ft)	28	534	36	308	120	29	569
Link Distance (ft)		1786		974		1148	1899
Upstream Blk Time (%)							
Queuing Penalty (veh)							
Storage Bay Dist (ft)	150		50		200		
Storage Blk Time (%)		17	0	22			
Queuing Penalty (veh)		0	4	79			

Queuing and Blocking Report
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Intersection: 4: County Rd K & County Rd Q

Movement	EB	EB	WB	WB	NB	NB	NB	SB	SB	SB
Directions Served	L	TR	L	TR	L	T	R	L	T	R
Maximum Queue (ft)	150	1456	75	352	110	424	81	65	186	104
Average Queue (ft)	146	693	11	184	13	221	7	18	87	34
95th Queue (ft)	166	1469	46	311	56	370	55	49	160	80
Link Distance (ft)		4469		6785		3912			841	
Upstream Blk Time (%)										
Queuing Penalty (veh)										
Storage Bay Dist (ft)	100		75		50		325	100		325
Storage Blk Time (%)	45	8		37	0	52		0	8	
Queuing Penalty (veh)	197	41		4	1	24		0	21	

Intersection: 5: Oncken Rd & County Rd M

Movement	EB	WB	NB	SB
Directions Served	LR	LR	L	L
Maximum Queue (ft)	61	33	5	20
Average Queue (ft)	21	6	0	1
95th Queue (ft)	48	24	4	11
Link Distance (ft)	7757	607		
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)			50	50
Storage Blk Time (%)				0
Queuing Penalty (veh)				0

Intersection: 6: Indigo Way &

Movement	EB	NB
Directions Served	LR	LT
Maximum Queue (ft)	54	29
Average Queue (ft)	21	2
95th Queue (ft)	41	13
Link Distance (ft)	544	1830
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 7: Balzer Rd & County Rd Q

Movement	EB	NB
Directions Served	LR	LT
Maximum Queue (ft)	80	43
Average Queue (ft)	42	5
95th Queue (ft)	69	26
Link Distance (ft)	812	3516
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 8: Oncken Rd & County Rd Q

Movement	WB	SB
Directions Served	LR	LT
Maximum Queue (ft)	61	48
Average Queue (ft)	28	4
95th Queue (ft)	58	27
Link Distance (ft)	7757	3912
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Queuing and Blocking Report
 Existing Conditions PM Peak Hour

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Intersection: 9: County Rd K & US 12

Movement	EB	EB	EB	WB	WB	NB	NB	NB	NB	SB	SB	SB
Directions Served	L	T	R	L	TR	L	T	T	R	L	T	T
Maximum Queue (ft)	91	104	45	250	480	399	2315	2406	400	57	223	231
Average Queue (ft)	29	35	7	215	183	130	1180	1274	355	7	112	123
95th Queue (ft)	69	82	26	294	455	315	2395	2523	502	29	186	198
Link Distance (ft)		1195			6571		3386	3386			1676	1676
Upstream Blk Time (%)							0	0				
Queuing Penalty (veh)							0	0				
Storage Bay Dist (ft)	100		275	200		350			350	325		
Storage Blk Time (%)	1	1		21			22	20	5			
Queuing Penalty (veh)	1	1		24			27	181	39			

Intersection: 9: County Rd K & US 12

Movement	SB
Directions Served	R
Maximum Queue (ft)	48
Average Queue (ft)	12
95th Queue (ft)	36
Link Distance (ft)	
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	350
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 10: Century Ave & Branch St

Movement	EB	EB	WB	WB	NB	NB
Directions Served	T	TR	LT	T	L	R
Maximum Queue (ft)	330	344	269	260	193	164
Average Queue (ft)	164	172	142	118	80	77
95th Queue (ft)	274	287	228	210	140	132
Link Distance (ft)	1618	1618	1512	1512	921	
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)						100
Storage Blk Time (%)					5	3
Queuing Penalty (veh)					15	5

Intersection: 11: Century Ave & Highland Way

Movement	EB	EB	EB	WB	WB	WB	NB	SB	SB
Directions Served	L	T	TR	L	T	TR	LR	LT	R
Maximum Queue (ft)	106	358	365	32	205	217	46	41	62
Average Queue (ft)	31	90	98	4	45	52	14	7	23
95th Queue (ft)	75	258	271	21	131	144	40	28	51
Link Distance (ft)		2182	2182		2494	2494	880	539	
Upstream Blk Time (%)									
Queuing Penalty (veh)									
Storage Bay Dist (ft)	100			200					100
Storage Blk Time (%)	0	4			0				
Queuing Penalty (veh)	2	3			0				

Intersection: 12: University Ave. & Allen Blvd

Movement	EB	EB	EB	WB	WB	WB	SB	SB	SB
Directions Served	L	T	T	T	T	R	L	L	R
Maximum Queue (ft)	216	162	171	385	379	290	248	257	130
Average Queue (ft)	101	80	89	232	228	25	140	148	7
95th Queue (ft)	181	135	146	347	337	171	224	231	61
Link Distance (ft)		1909	1909	2771	2771		3465	3465	
Upstream Blk Time (%)									
Queuing Penalty (veh)									
Storage Bay Dist (ft)	275					200			225
Storage Blk Time (%)					11			2	
Queuing Penalty (veh)					111			3	

Intersection: 13: Century Ave & High Rd

Movement	EB	EB	WB	WB	NB	NB	SB	SB
Directions Served	LT	TR	LT	TR	L	TR	L	TR
Maximum Queue (ft)	192	187	113	129	43	78	86	116
Average Queue (ft)	87	87	26	35	10	35	32	41
95th Queue (ft)	154	151	77	86	32	69	71	89
Link Distance (ft)	1026	1026	1237	1237		1134		1326
Upstream Blk Time (%)								
Queuing Penalty (veh)								
Storage Bay Dist (ft)					100		100	
Storage Blk Time (%)						0	0	1
Queuing Penalty (veh)						0	0	0

Intersection: 14: Century Ave & Frank Lloyd Wright Ave

Movement	EB	EB	EB	WB	WB	WB	NB	NB	SB	SB
Directions Served	L	T	TR	L	T	TR	LT	R	L	TR
Maximum Queue (ft)	71	112	128	88	142	180	147	135	228	99
Average Queue (ft)	21	44	51	35	53	71	55	59	99	40
95th Queue (ft)	52	96	102	70	111	140	110	106	194	79
Link Distance (ft)		1237	1237		1618	1618	558		273	273
Upstream Blk Time (%)										1
Queuing Penalty (veh)										0
Storage Bay Dist (ft)	200			150				100		
Storage Blk Time (%)					0		1	1		
Queuing Penalty (veh)					0		3	1		

Network Summary

Network wide Queuing Penalty: 853

1: Century Ave & Allen Ct Performance by movement

Movement	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	All
Delay / Veh (s)	43.7	34.7	24.9	21.1	12.9	62.1	1.9	2.1	57.9	61.4	16.5	25.8

2: Century Ave & County Rd Q Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	15.9	5.7	4.8	10.3	9.8	7.8	49.0	53.5	10.3	34.8	36.1	36.0

2: Century Ave & County Rd Q Performance by movement

Movement	All
Delay / Veh (s)	17.6

3: County Rd M & County Rd K Performance by movement

Movement	EBL	EBT	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	All
Delay / Veh (s)	24.2	9.0	29.6	22.2	43.9	63.4	9.0	61.5	8.9	66.5	29.1

4: County Rd K & County Rd Q Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	28.2	18.2	12.8	38.3	37.6	25.1	40.0	16.1	1.5	32.9	30.3	20.1

4: County Rd K & County Rd Q Performance by movement

Movement	All
Delay / Veh (s)	27.2

5: Oncken Rd & County Rd M Performance by movement

Movement	EBL	EBT	EBR	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	All
Delay / Veh (s)	17.0	0.9	20.9	19.6	2.6	11.1	0.8	3.8	7.5	2.6	2.4	2.3

6: Indigo Way & Performance by movement

Movement	EBL	EBR	NBL	NBT	SBT	SBR	All
Delay / Veh (s)	7.4	4.3	3.7	0.8	0.8	0.1	1.1

7: Balzer Rd & County Rd Q Performance by movement

Movement	EBL	EBR	NBL	NBT	SBT	SBR	All
Delay / Veh (s)	11.2	5.1	4.7	3.0	3.4	2.2	3.6

8: Oncken Rd & County Rd Q Performance by movement

Movement	WBL	WBR	NBT	NBR	SBL	SBT	All
Delay / Veh (s)	11.2	5.4	0.7	0.7	8.0	5.9	4.8

9: County Rd K & US 12 Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	74.1	64.2	52.6	62.2	8.7	14.8	72.2	18.5	4.8	81.3	45.1	18.0

9: County Rd K & US 12 Performance by movement

Movement	All
Delay / Veh (s)	39.1

10: Century Ave & Branch St Performance by movement

Movement	EBT	EBR	WBL	WBT	NBL	NBR	All
Delay / Veh (s)	8.2	6.2	10.1	4.8	32.3	9.1	7.6

11: Century Ave & Highland Way Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBR	SBL	SBT	SBR	All
Delay / Veh (s)	20.4	7.6	12.5	13.9	6.6	3.3	52.1	8.7	58.0	63.4	21.7	7.9

12: University Ave. & Allen Blvd Performance by movement

Movement	EBL	EBT	WBT	WBR	SBL	SBR	All
Delay / Veh (s)	31.5	19.8	27.7	6.1	34.1	13.0	25.7

13: Century Ave & High Rd Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	13.8	5.1	3.3	4.9	4.9	3.5	26.8	21.4	3.2	26.7	21.3	10.4

13: Century Ave & High Rd Performance by movement

Movement	All
Delay / Veh (s)	7.3

14: Century Ave & Frank Lloyd Wright Ave Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	7.9	4.9	3.7	8.2	5.9	5.0	39.8	23.0	8.7	35.4	21.5	6.5

14: Century Ave & Frank Lloyd Wright Ave Performance by movement

Movement	All
Delay / Veh (s)	8.8

Total Network Performance

Delay / Veh (s)

57.1

Queuing and Blocking Report
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Intersection: 1: Century Ave & Allen Ct

Movement	EB	EB	EB	WB	WB	WB	NB	NB	NB	NB	SB	SB
Directions Served	LT	T	R	L	LT	TR	L	LT	R	R	L	TR
Maximum Queue (ft)	252	364	360	383	423	390	79	75	82	72	32	56
Average Queue (ft)	99	110	192	206	219	205	37	35	10	17	4	14
95th Queue (ft)	183	220	319	343	364	352	70	64	49	57	20	42
Link Distance (ft)	1512	1512			2182	2182		1750	1750		175	175
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)			275	325			300			275		
Storage Blk Time (%)		0	6	0	1							
Queuing Penalty (veh)		0	8	4	4							

Intersection: 2: Century Ave & County Rd Q

Movement	EB	EB	EB	WB	WB	WB	NB	NB	SB	SB	SB	
Directions Served	L	T	TR	L	T	TR	LT	R	LT	R	R	
Maximum Queue (ft)	142	95	117	22	180	210	127	25	86	420	204	
Average Queue (ft)	54	32	52	3	75	92	41	2	25	154	131	
95th Queue (ft)	107	79	98	15	140	161	95	12	68	344	219	
Link Distance (ft)		2494	2494		2504	2504	598			2069		
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	150			200				50	150		150	
Storage Blk Time (%)	0				0		16			10	10	
Queuing Penalty (veh)	1				0		1			32	32	

Intersection: 3: County Rd M & County Rd K

Movement	EB	EB	WB	WB	NB	SB
Directions Served	L	TR	T	R	LTR	LTR
Maximum Queue (ft)	34	194	944	250	43	438
Average Queue (ft)	6	86	334	122	8	252
95th Queue (ft)	26	160	804	280	32	434
Link Distance (ft)		1786	2624		1148	1899
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)	150			200		
Storage Blk Time (%)		1	23	0		
Queuing Penalty (veh)		0	108	0		

Intersection: 4: County Rd K & County Rd Q

Movement	EB	EB	WB	WB	NB	NB	NB	SB	SB	SB
Directions Served	L	TR	L	TR	L	T	R	L	T	R
Maximum Queue (ft)	147	252	70	419	103	183	5	104	410	303
Average Queue (ft)	70	101	10	231	28	40	0	16	170	92
95th Queue (ft)	130	200	48	378	66	108	2	63	326	197
Link Distance (ft)		4469		6785		3912			1239	
Upstream Blk Time (%)										
Queuing Penalty (veh)										
Storage Bay Dist (ft)	100		75		50		325	100		325
Storage Blk Time (%)	3	6		44	5	5			19	
Queuing Penalty (veh)	9	8		5	6	2			84	

Intersection: 5: Oncken Rd & County Rd M

Movement	EB	WB	NB	SB
Directions Served	LR	LTR	L	L
Maximum Queue (ft)	70	18	36	12
Average Queue (ft)	16	2	1	0
95th Queue (ft)	44	12	13	6
Link Distance (ft)	7757	607		
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)			50	50
Storage Blk Time (%)			0	
Queuing Penalty (veh)			0	

Intersection: 6: Indigo Way &

Movement	EB	NB
Directions Served	LR	LT
Maximum Queue (ft)	54	48
Average Queue (ft)	17	12
95th Queue (ft)	40	38
Link Distance (ft)	544	1830
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 7: Balzer Rd & County Rd Q

Movement	EB	NB	SB
Directions Served	LR	LT	TR
Maximum Queue (ft)	65	91	14
Average Queue (ft)	29	11	1
95th Queue (ft)	57	46	7
Link Distance (ft)	812	3516	1251
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 8: Oncken Rd & County Rd Q

Movement	WB	SB
Directions Served	LR	LT
Maximum Queue (ft)	74	57
Average Queue (ft)	30	3
95th Queue (ft)	61	24
Link Distance (ft)	7757	3912
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Queuing and Blocking Report
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Intersection: 9: County Rd K & US 12

Movement	EB	EB	EB	WB	WB	WB	NB	NB	NB	NB	SB	SB
Directions Served	L	T	R	L	L	TR	L	T	T	R	L	T
Maximum Queue (ft)	57	124	188	362	368	61	73	211	207	96	96	915
Average Queue (ft)	11	41	69	235	234	12	19	85	96	42	6	498
95th Queue (ft)	35	93	149	344	344	39	56	153	159	81	58	832
Link Distance (ft)		1192				6568		3944	3944			3756
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	100		275	500	500		350			350	325	
Storage Blk Time (%)			1									16
Queuing Penalty (veh)			2									1

Intersection: 9: County Rd K & US 12

Movement	SB	SB
Directions Served	T	R
Maximum Queue (ft)	945	396
Average Queue (ft)	535	39
95th Queue (ft)	883	186
Link Distance (ft)	3756	
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		350
Storage Blk Time (%)	17	
Queuing Penalty (veh)	11	

Intersection: 10: Century Ave & Branch St

Movement	EB	EB	WB	WB	NB	NB
Directions Served	T	TR	LT	T	L	R
Maximum Queue (ft)	126	174	214	196	80	70
Average Queue (ft)	59	84	78	49	35	35
95th Queue (ft)	117	155	152	133	70	59
Link Distance (ft)	1618	1618	1512	1512	921	
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)						100
Storage Blk Time (%)					0	
Queuing Penalty (veh)					0	

Intersection: 11: Century Ave & Highland Way

Movement	EB	EB	EB	WB	WB	WB	NB	SB	SB
Directions Served	L	T	TR	L	T	TR	LR	LT	R
Maximum Queue (ft)	52	146	166	11	295	326	47	48	95
Average Queue (ft)	17	32	36	1	76	102	12	10	40
95th Queue (ft)	44	95	103	7	203	235	38	35	78
Link Distance (ft)		2182	2182		2494	2494	880	539	
Upstream Blk Time (%)									
Queuing Penalty (veh)									
Storage Bay Dist (ft)	100			200					100
Storage Blk Time (%)		1			1				0
Queuing Penalty (veh)		0			0				0

Intersection: 12: University Ave. & Allen Blvd

Movement	EB	EB	EB	WB	WB	WB	WB	SB	SB	SB
Directions Served	L	T	T	T	T	R	R	L	L	R
Maximum Queue (ft)	79	222	257	215	215	66	48	595	610	275
Average Queue (ft)	41	134	140	122	124	6	3	311	326	43
95th Queue (ft)	79	205	221	187	189	34	21	498	521	206
Link Distance (ft)		1903	1903	1736	1736			3465	3465	
Upstream Blk Time (%)										
Queuing Penalty (veh)										
Storage Bay Dist (ft)	275					300	300			225
Storage Blk Time (%)									19	
Queuing Penalty (veh)									17	

Intersection: 13: Century Ave & High Rd

Movement	EB	EB	WB	WB	NB	NB	SB	SB
Directions Served	LT	TR	LT	TR	L	TR	L	TR
Maximum Queue (ft)	96	105	144	182	25	50	86	147
Average Queue (ft)	41	43	48	58	4	16	33	57
95th Queue (ft)	80	83	110	125	19	39	68	112
Link Distance (ft)	1026	1026	1237	1237		1134		1326
Upstream Blk Time (%)								
Queuing Penalty (veh)								
Storage Bay Dist (ft)					100		100	
Storage Blk Time (%)							0	2
Queuing Penalty (veh)							0	1

Intersection: 14: Century Ave & Frank Lloyd Wright Ave

Movement	EB	EB	EB	WB	WB	WB	NB	NB	SB	SB
Directions Served	L	T	TR	L	T	TR	LT	R	L	TR
Maximum Queue (ft)	29	88	83	77	140	156	54	68	175	91
Average Queue (ft)	8	25	31	29	48	64	22	27	69	37
95th Queue (ft)	27	61	63	64	109	128	51	55	142	73
Link Distance (ft)		1237	1237		1618	1618	558		273	273
Upstream Blk Time (%)									0	
Queuing Penalty (veh)									0	
Storage Bay Dist (ft)	200			150				100		
Storage Blk Time (%)					0			0		
Queuing Penalty (veh)					0			0		

Network Summary

Network wide Queuing Penalty: 338

1: Century Ave & Allen Ct Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	32.2	31.9	11.7	43.1	46.0	45.2	63.2	8.2	23.0	56.1	51.7	10.9

1: Century Ave & Allen Ct Performance by movement

Movement	All
Delay / Veh (s)	33.5

2: Century Ave & County Rd Q Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	20.2	6.6	6.4	21.8	16.1	9.9	72.2	78.0	14.7	68.5	51.2	31.1

2: Century Ave & County Rd Q Performance by movement

Movement	All
Delay / Veh (s)	14.9

3: County Rd M & County Rd K Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBT	NBR	SBL	SBT	SBR	All
Delay / Veh (s)	51.4	44.3	31.4	60.8	27.6	15.6	79.8	33.1	72.7	4.2	78.8	41.2

4: County Rd K & County Rd Q Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	80.3	30.4	29.3	61.2	57.5	47.9	79.2	72.2	22.5	71.8	37.7	13.6

4: County Rd K & County Rd Q Performance by movement

Movement	All
Delay / Veh (s)	52.9

5: Oncken Rd & County Rd M Performance by movement

Movement	EBL	EBT	EBR	WBL	WBR	NBL	NBT	NBR	SBL	SBT	SBR	All
Delay / Veh (s)	25.3	0.6	18.0	17.9	12.4	8.6	2.2	4.3	11.6	2.4	2.2	3.1

6: Indigo Way & Performance by movement

Movement	EBL	EBR	NBL	NBT	SBT	SBR	All
Delay / Veh (s)	7.0	3.0	3.2	1.2	0.3	0.0	1.1

7: Balzer Rd & County Rd Q Performance by movement

Movement	EBL	EBR	NBL	NBT	SBT	SBR	All
Delay / Veh (s)	11.4	6.3	3.2	4.6	2.3	1.8	4.4

8: Oncken Rd & County Rd Q Performance by movement

Movement	WBL	WBR	NBT	NBR	SBL	SBT	All
Delay / Veh (s)	12.2	8.3	1.4	0.9	6.7	5.1	3.2

9: County Rd K & US 12 Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	77.4	66.2	12.9	96.2	46.7	51.7	93.8	63.3	67.5	72.1	21.4	5.3

9: County Rd K & US 12 Performance by movement

Movement	All
Delay / Veh (s)	61.1

10: Century Ave & Branch St Performance by movement

Movement	EBT	EBR	WBL	WBT	NBL	NBR	All
Delay / Veh (s)	21.3	21.1	32.4	14.1	28.3	16.9	20.1

11: Century Ave & Highland Way Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBR	SBL	SBR	All
Delay / Veh (s)	20.9	13.4	11.8	23.0	6.1	5.5	47.2	19.7	43.7	11.8	11.3

12: University Ave. & Allen Blvd Performance by movement

Movement	EBL	EBT	WBT	WBR	SBL	SBT	SBR	All
Delay / Veh (s)	36.8	10.4	38.6	12.7	33.9	1.6	7.0	23.1

13: Century Ave & High Rd Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	20.2	9.3	7.4	13.3	5.4	3.8	26.3	16.4	7.6	27.4	18.1	8.9

13: Century Ave & High Rd Performance by movement

Movement	All
Delay / Veh (s)	9.6

14: Century Ave & Frank Lloyd Wright Ave Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	12.1	6.5	7.4	12.5	9.7	8.9	25.7	20.7	12.6	42.0	14.1	4.4

14: Century Ave & Frank Lloyd Wright Ave Performance by movement

Movement	All
Delay / Veh (s)	11.7

Total Network Performance

Delay / Veh (s)	76.4
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Queuing and Blocking Report
2018 No Build PM Peak Hour with QK Imp

10/17/2010

Intersection: 1: Century Ave & Allen Ct

Movement	EB	EB	EB	WB	WB	WB	NB	NB	NB	NB	SB	SB
Directions Served	LT	T	R	L	LT	TR	L	LT	R	R	L	TR
Maximum Queue (ft)	582	617	375	375	437	450	206	203	366	358	63	68
Average Queue (ft)	336	338	114	220	257	266	109	113	208	212	17	22
95th Queue (ft)	509	521	314	334	384	408	192	194	322	322	47	54
Link Distance (ft)	1512	1512			2182	2182		1750	1750		175	175
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)			275	325			300			275		
Storage Blk Time (%)		11		1	2		0	0	2	2		
Queuing Penalty (veh)		25		5	5		0	0	9	10		

Intersection: 2: Century Ave & County Rd Q

Movement	EB	EB	EB	WB	WB	WB	NB	NB	SB	SB	SB	
Directions Served	L	T	TR	L	T	TR	LT	R	LT	R	R	
Maximum Queue (ft)	224	405	278	21	228	241	70	19	100	274	210	
Average Queue (ft)	151	93	100	2	96	105	23	3	33	82	79	
95th Queue (ft)	239	255	228	13	177	192	59	15	77	167	150	
Link Distance (ft)		2494	2494		2504	2504	598			2069		
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	150			200				50	150		150	
Storage Blk Time (%)	9	1			0		10			2	2	
Queuing Penalty (veh)	45	3			0		0			4	4	

Intersection: 3: County Rd M & County Rd K

Movement	EB	EB	B36	WB	WB	WB	NB	SB
Directions Served	L	TR	T	L	T	R	LTR	LTR
Maximum Queue (ft)	115	1359	100	58	779	250	46	867
Average Queue (ft)	6	665	9	9	295	110	8	481
95th Queue (ft)	51	1268	93	35	583	269	33	797
Link Distance (ft)		1786	1867		2624		1148	1899
Upstream Blk Time (%)	1							
Queuing Penalty (veh)	5							
Storage Bay Dist (ft)	150			50		200		
Storage Blk Time (%)		29		1	30	0		
Queuing Penalty (veh)		2		7	128	0		

Intersection: 4: County Rd K & County Rd Q

Movement	EB	EB	WB	WB	NB	NB	NB	SB	SB	SB
Directions Served	L	TR	L	TR	L	T	R	L	T	R
Maximum Queue (ft)	539	1491	122	576	124	722	294	120	260	149
Average Queue (ft)	399	419	16	321	16	390	29	32	119	45
95th Queue (ft)	601	1331	67	531	68	676	165	82	213	103
Link Distance (ft)		4469		6785		3912			1239	
Upstream Blk Time (%)										
Queuing Penalty (veh)										
Storage Bay Dist (ft)	500		75		50		325	100		325
Storage Blk Time (%)	10			53	1	60		1	16	
Queuing Penalty (veh)	54			7	2	33		4	44	

Intersection: 5: Oncken Rd & County Rd M

Movement	EB	WB	NB	SB
Directions Served	LR	LR	L	L
Maximum Queue (ft)	70	33	8	35
Average Queue (ft)	28	7	1	2
95th Queue (ft)	59	24	7	15
Link Distance (ft)	7757	607		
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)			50	50
Storage Blk Time (%)			0	0
Queuing Penalty (veh)			0	0

Intersection: 6: Indigo Way &

Movement	EB	NB
Directions Served	LR	LT
Maximum Queue (ft)	61	29
Average Queue (ft)	25	2
95th Queue (ft)	47	15
Link Distance (ft)	544	1830
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 7: Balzer Rd & County Rd Q

Movement	EB	NB
Directions Served	LR	LT
Maximum Queue (ft)	107	65
Average Queue (ft)	44	7
95th Queue (ft)	81	38
Link Distance (ft)	812	3516
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 8: Oncken Rd & County Rd Q

Movement	WB	SB
Directions Served	LR	LT
Maximum Queue (ft)	87	76
Average Queue (ft)	32	7
95th Queue (ft)	70	38
Link Distance (ft)	7757	3912
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Queuing and Blocking Report
 2018 No Build PM Peak Hour with QK Imp

10/17/2010

Intersection: 9: County Rd K & US 12

Movement	EB	EB	EB	WB	WB	WB	NB	NB	NB	NB	SB	SB
Directions Served	L	T	R	L	L	TR	L	T	T	R	L	T
Maximum Queue (ft)	127	112	34	370	368	186	397	1978	2106	400	43	204
Average Queue (ft)	44	36	4	229	232	77	132	853	990	324	7	116
95th Queue (ft)	103	90	19	361	364	152	292	1935	2184	505	27	185
Link Distance (ft)	1192						6568	3944		3944	3756	
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	100	275		500	500	350			350		325	
Storage Blk Time (%)	3	1					0	10	9	5		
Queuing Penalty (veh)	4	2					0	15	95	48		

Intersection: 9: County Rd K & US 12

Movement	SB	SB
Directions Served	T	R
Maximum Queue (ft)	210	60
Average Queue (ft)	130	14
95th Queue (ft)	199	40
Link Distance (ft)	3756	
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)	350	
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 10: Century Ave & Branch St

Movement	EB	EB	WB	WB	NB	NB
Directions Served	T	TR	LT	T	L	R
Maximum Queue (ft)	504	511	339	321	236	174
Average Queue (ft)	198	218	178	152	91	88
95th Queue (ft)	376	404	298	271	181	157
Link Distance (ft)	1618	1618	1512	1512	921	
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)					100	
Storage Blk Time (%)					8	5
Queuing Penalty (veh)					22	9

Intersection: 11: Century Ave & Highland Way

Movement	EB	EB	EB	WB	WB	WB	NB	SB	SB
Directions Served	L	T	TR	L	T	TR	LR	LT	R
Maximum Queue (ft)	132	463	453	29	252	251	59	36	58
Average Queue (ft)	35	119	125	5	74	76	15	6	28
95th Queue (ft)	85	335	343	21	194	198	44	25	52
Link Distance (ft)		2182	2182		2494	2494	880	539	
Upstream Blk Time (%)									
Queuing Penalty (veh)									
Storage Bay Dist (ft)	100			200					100
Storage Blk Time (%)	0	4			0				
Queuing Penalty (veh)	2	4			0				

Intersection: 12: University Ave. & Allen Blvd

Movement	EB	EB	EB	WB	WB	WB	WB	SB	SB	SB
Directions Served	L	T	T	T	T	R	R	L	L	R
Maximum Queue (ft)	217	183	198	540	655	367	121	286	303	106
Average Queue (ft)	112	93	105	274	280	77	57	149	156	6
95th Queue (ft)	185	155	174	443	494	254	101	244	254	51
Link Distance (ft)		1903	1903	2992	2992			3465	3465	
Upstream Blk Time (%)										
Queuing Penalty (veh)										
Storage Bay Dist (ft)	275					300	300			225
Storage Blk Time (%)					5				1	
Queuing Penalty (veh)					58				2	

Intersection: 13: Century Ave & High Rd

Movement	EB	EB	WB	WB	NB	NB	SB	SB
Directions Served	LT	TR	LT	TR	L	TR	L	TR
Maximum Queue (ft)	206	218	120	115	41	85	100	119
Average Queue (ft)	100	104	36	41	11	35	39	48
95th Queue (ft)	174	177	89	90	34	67	75	95
Link Distance (ft)	1026	1026	1237	1237		1134		1326
Upstream Blk Time (%)								
Queuing Penalty (veh)								
Storage Bay Dist (ft)					100		100	
Storage Blk Time (%)						0	0	1
Queuing Penalty (veh)						0	0	0

Intersection: 14: Century Ave & Frank Lloyd Wright Ave

Movement	EB	EB	EB	WB	WB	WB	NB	NB	SB	SB
Directions Served	L	T	TR	L	T	TR	LT	R	L	TR
Maximum Queue (ft)	53	127	150	98	168	182	109	127	234	70
Average Queue (ft)	20	53	58	37	64	84	48	62	106	35
95th Queue (ft)	47	110	117	73	125	151	94	109	190	66
Link Distance (ft)		1237	1237		1618	1618	558		273	273
Upstream Blk Time (%)									0	
Queuing Penalty (veh)									0	
Storage Bay Dist (ft)	200			150				100		
Storage Blk Time (%)					0		1	1		
Queuing Penalty (veh)					0		1	1		

Network Summary

Network wide Queuing Penalty: 662

4: County Rd K & County Rd Q Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	138.0	121.1	92.9	175.7	159.6	155.9	262.2	252.1	166.3	67.8	36.2	11.8

4: County Rd K & County Rd Q Performance by movement

Movement	All
Delay / Veh (s)	137.3

Intersection: 4: County Rd K & County Rd Q

Movement	EB	EB	WB	WB	NB	NB	NB	SB	SB	SB
Directions Served	L	TR	L	TR	L	T	R	L	T	R
Maximum Queue (ft)	150	2326	125	852	124	1744	375	85	269	94
Average Queue (ft)	149	1571	15	628	13	974	102	26	98	32
95th Queue (ft)	150	2528	67	918	54	1930	361	66	180	71
Link Distance (ft)		4469		6785		3912			1239	
Upstream Blk Time (%)										
Queuing Penalty (veh)										
Storage Bay Dist (ft)	100		75		50		325	100		325
Storage Blk Time (%)	50	13		73	0	74		0	13	
Queuing Penalty (veh)	267	71		10	1	42		0	36	

1: Century Ave & Allen Ct Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)		42.2	29.3	24.7	22.0	19.8	52.6	6.0	2.1	85.8	66.1	11.6

1: Century Ave & Allen Ct Performance by movement

Movement	All
Delay / Veh (s)	25.3

2: Century Ave & County Rd Q Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	16.3	5.6	5.4	14.9	10.6	6.5	42.2	41.5	8.2	42.1	29.2	44.6

2: Century Ave & County Rd Q Performance by movement

Movement	All
Delay / Veh (s)	20.2

3: County Rd M & County Rd K Performance by movement

Movement	EBL	EBT	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	All
Delay / Veh (s)	24.1	9.3	37.4	29.3	37.7	36.3	8.0	72.1	10.1	58.3	34.5

4: County Rd K & County Rd Q Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	25.8	17.3	11.4	51.3	44.3	37.2	41.9	17.4	4.2	38.8	32.0	20.6

4: County Rd K & County Rd Q Performance by movement

Movement	All
Delay / Veh (s)	29.2

5: Oncken Rd & County Rd M Performance by movement

Movement	EBL	EBT	EBR	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	All
Delay / Veh (s)	26.3	1.1	17.1	22.0	5.4	10.0	2.6	2.0	5.0	2.7	2.3	4.0

6: Indigo Way & Performance by movement

Movement	EBL	EBR	WBL	WBR	NBL	NBT	NBR	SBL	SBT	SBR	All
Delay / Veh (s)	7.7	4.9	10.7	5.0	5.1	1.1	1.9	2.3	1.0	0.5	2.3

7: Balzer Rd & County Rd Q Performance by movement

Movement	EBL	EBR	NBL	NBT	SBT	SBR	All
Delay / Veh (s)	11.1	5.1	4.8	3.4	3.1	2.0	3.5

8: Oncken Rd & County Rd Q Performance by movement

Movement	WBL	WBR	NBT	NBR	SBL	SBT	All
Delay / Veh (s)	12.9	8.0	1.2	0.7	9.2	6.1	5.1

9: County Rd K & US 12 Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	71.1	67.5	49.4	68.6	9.6	22.2	79.7	17.8	4.4	75.3	51.0	24.4

9: County Rd K & US 12 Performance by movement

Movement	All
Delay / Veh (s)	43.0

10: Century Ave & Branch St Performance by movement

Movement	EBT	EBR	WBL	WBT	NBL	NBR	All
Delay / Veh (s)	9.0	6.7	10.7	5.6	30.0	9.3	8.2

11: Century Ave & Highland Way Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBR	SBL	SBR	All
Delay / Veh (s)	21.8	7.4	2.2	3.6	6.7	6.6	50.0	7.3	53.3	22.1	7.9

12: University Ave. & Allen Blvd Performance by movement

Movement	EBL	EBT	WBT	WBR	SBL	SBR	All
Delay / Veh (s)	30.0	19.2	27.5	6.1	35.9	14.3	26.4

13: Century Ave & High Rd Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	15.2	5.7	3.0	9.5	5.2	4.5	25.6	20.8	4.6	28.2	22.5	10.7

13: Century Ave & High Rd Performance by movement

Movement	All
Delay / Veh (s)	7.6

14: Century Ave & Frank Lloyd Wright Ave Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	8.6	5.0	4.5	7.5	6.0	4.7	29.4	25.0	8.7	36.8	29.5	11.8

14: Century Ave & Frank Lloyd Wright Ave Performance by movement

Movement	All
Delay / Veh (s)	9.1

21: County Rd M & Performance by movement

Movement	EBL	EBR	NBL	NBT	SBT	SBR	All
Delay / Veh (s)	31.4	24.6	9.8	2.4	5.0	2.9	7.4

Total Network Performance

Delay / Veh (s)	61.7
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Queuing and Blocking Report
2018 Build AM Peak Hour

10/17/2010

Intersection: 1: Century Ave & Allen Ct

Movement	EB	EB	EB	WB	WB	WB	NB	NB	NB	NB	SB	SB
Directions Served	LT	T	R	L	LT	TR	L	LT	R	R	L	TR
Maximum Queue (ft)	215	206	349	378	391	436	92	80	80	67	30	58
Average Queue (ft)	114	115	182	211	225	217	36	34	10	16	3	15
95th Queue (ft)	182	177	307	345	361	378	72	65	49	55	17	43
Link Distance (ft)	1512	1512			2182	2182		1750	1750		175	175
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)			275	325			300			275		
Storage Blk Time (%)			3	1	1							
Queuing Penalty (veh)			5	6	5							

Intersection: 2: Century Ave & County Rd Q

Movement	EB	EB	EB	WB	WB	WB	NB	NB	SB	SB	SB
Directions Served	L	T	TR	L	T	TR	LT	R	LT	R	R
Maximum Queue (ft)	133	104	110	16	197	210	82	25	172	597	225
Average Queue (ft)	57	34	50	2	91	104	36	3	32	197	145
95th Queue (ft)	107	77	90	13	165	179	76	15	102	492	242
Link Distance (ft)		2494	2494		2504	2504	598			2069	
Upstream Blk Time (%)											
Queuing Penalty (veh)											
Storage Bay Dist (ft)	150			200				50	150		150
Storage Blk Time (%)	0				0		12			16	17
Queuing Penalty (veh)	0				0		0			57	59

Intersection: 3: County Rd M & County Rd K

Movement	EB	EB	WB	WB	NB	SB
Directions Served	L	TR	T	R	LTR	LTR
Maximum Queue (ft)	119	226	1410	250	45	499
Average Queue (ft)	13	103	492	121	11	290
95th Queue (ft)	62	193	1261	278	36	481
Link Distance (ft)		1786	2624		1148	1899
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)	150			200		
Storage Blk Time (%)		1	24	0		
Queuing Penalty (veh)		0	111	0		

Queuing and Blocking Report
2018 Build AM Peak Hour

10/17/2010

Intersection: 4: County Rd K & County Rd Q

Movement	EB	EB	WB	WB	NB	NB	NB	SB	SB	SB
Directions Served	L	TR	L	TR	L	T	R	L	T	R
Maximum Queue (ft)	146	207	124	512	91	137	19	115	408	277
Average Queue (ft)	73	94	14	270	33	55	2	22	178	94
95th Queue (ft)	125	178	67	452	74	114	12	69	303	189
Link Distance (ft)		4469		6785		3912			1239	
Upstream Blk Time (%)										
Queuing Penalty (veh)										
Storage Bay Dist (ft)	500		75		50		325	100		325
Storage Blk Time (%)				48	6	9		0	22	
Queuing Penalty (veh)				8	13	6		0	97	

Intersection: 5: Oncken Rd & County Rd M

Movement	EB	WB	NB	SB	SB
Directions Served	LR	LTR	L	L	R
Maximum Queue (ft)	102	20	47	23	11
Average Queue (ft)	39	1	14	1	1
95th Queue (ft)	77	10	42	10	8
Link Distance (ft)	7757	607			
Upstream Blk Time (%)					
Queuing Penalty (veh)					
Storage Bay Dist (ft)			50	50	150
Storage Blk Time (%)			0	0	
Queuing Penalty (veh)			2	0	

Intersection: 6: Indigo Way &

Movement	EB	WB	NB	SB
Directions Served	LR	LR	L	L
Maximum Queue (ft)	38	93	36	30
Average Queue (ft)	16	36	10	6
95th Queue (ft)	35	71	34	26
Link Distance (ft)	537	557		
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)			150	150
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 7: Balzer Rd & County Rd Q

Movement	EB	NB
Directions Served	LR	LT
Maximum Queue (ft)	58	96
Average Queue (ft)	28	16
95th Queue (ft)	54	58
Link Distance (ft)	812	3516
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 8: Oncken Rd & County Rd Q

Movement	WB	SB
Directions Served	LR	LT
Maximum Queue (ft)	85	92
Average Queue (ft)	43	15
95th Queue (ft)	75	58
Link Distance (ft)	7757	3912
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Queuing and Blocking Report
2018 Build AM Peak Hour

10/17/2010

Intersection: 9: County Rd K & US 12

Movement	EB	EB	EB	WB	WB	WB	NB	NB	NB	NB	SB	SB
Directions Served	L	T	R	L	L	TR	L	T	T	R	L	T
Maximum Queue (ft)	64	122	177	404	393	83	79	185	188	99	116	1149
Average Queue (ft)	10	43	71	260	256	16	18	84	93	39	6	558
95th Queue (ft)	38	96	143	379	373	49	56	152	163	76	63	995
Link Distance (ft)		1192				6568		3944	3944			3756
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	100		275	500	500		350			350	325	
Storage Blk Time (%)	0	2										20
Queuing Penalty (veh)	0	3										1

Intersection: 9: County Rd K & US 12

Movement	SB	SB
Directions Served	T	R
Maximum Queue (ft)	1164	313
Average Queue (ft)	599	43
95th Queue (ft)	1048	208
Link Distance (ft)	3756	
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		350
Storage Blk Time (%)	20	0
Queuing Penalty (veh)	13	0

Intersection: 10: Century Ave & Branch St

Movement	EB	EB	WB	WB	NB	NB
Directions Served	T	TR	LT	T	L	R
Maximum Queue (ft)	187	197	203	214	78	73
Average Queue (ft)	69	89	83	64	35	35
95th Queue (ft)	130	159	153	146	70	60
Link Distance (ft)	1618	1618	1512	1512	921	
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)						100
Storage Blk Time (%)					0	0
Queuing Penalty (veh)					0	0

Intersection: 11: Century Ave & Highland Way

Movement	EB	EB	EB	WB	WB	WB	NB	SB	SB
Directions Served	L	T	TR	L	T	TR	LR	LT	R
Maximum Queue (ft)	52	120	126	20	273	300	68	52	89
Average Queue (ft)	15	35	36	1	82	100	13	9	40
95th Queue (ft)	42	97	93	8	198	227	42	35	72
Link Distance (ft)		2182	2182		2494	2494	880	539	
Upstream Blk Time (%)									
Queuing Penalty (veh)									
Storage Bay Dist (ft)	100			200					100
Storage Blk Time (%)		1			1				0
Queuing Penalty (veh)		0			0				0

Intersection: 12: University Ave. & Allen Blvd

Movement	EB	EB	EB	WB	WB	WB	WB	SB	SB	SB
Directions Served	L	T	T	T	T	R	R	L	L	R
Maximum Queue (ft)	101	198	219	208	234	58	35	574	578	275
Average Queue (ft)	38	126	130	116	124	8	2	339	351	53
95th Queue (ft)	82	187	196	181	191	37	18	548	560	231
Link Distance (ft)		1903	1903	1736	1736			3465	3465	
Upstream Blk Time (%)										
Queuing Penalty (veh)										
Storage Bay Dist (ft)	275					300	300			225
Storage Blk Time (%)					0				21	
Queuing Penalty (veh)					0				20	

Intersection: 13: Century Ave & High Rd

Movement	EB	EB	WB	WB	NB	NB	SB	SB
Directions Served	LT	TR	LT	TR	L	TR	L	TR
Maximum Queue (ft)	108	107	153	156	25	59	104	146
Average Queue (ft)	44	49	47	62	4	17	36	55
95th Queue (ft)	87	89	118	138	18	44	80	105
Link Distance (ft)	1026	1026	1237	1237		1134		1326
Upstream Blk Time (%)								
Queuing Penalty (veh)								
Storage Bay Dist (ft)					100		100	
Storage Blk Time (%)							1	2
Queuing Penalty (veh)							1	1

Intersection: 14: Century Ave & Frank Lloyd Wright Ave

Movement	EB	EB	EB	WB	WB	WB	NB	NB	SB	SB
Directions Served	L	T	TR	L	T	TR	LT	R	L	TR
Maximum Queue (ft)	30	83	96	77	132	144	59	60	156	106
Average Queue (ft)	7	27	37	30	48	65	17	26	72	44
95th Queue (ft)	26	63	75	59	108	132	48	51	129	91
Link Distance (ft)		1237	1237		1618	1618	558		273	273
Upstream Blk Time (%)										
Queuing Penalty (veh)										
Storage Bay Dist (ft)	200			150				100		
Storage Blk Time (%)	0									
Queuing Penalty (veh)	0									

Intersection: 21: County Rd M &

Movement	EB	NB	SB
Directions Served	LR	LT	TR
Maximum Queue (ft)	230	164	24
Average Queue (ft)	91	29	2
95th Queue (ft)	173	100	11
Link Distance (ft)	1485	1937	2907
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Network Summary

Network wide Queuing Penalty: 409

1: Century Ave & Allen Ct Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	37.0	36.5	14.2	50.7	52.6	39.9	63.0	8.3	26.5	59.8	51.4	13.4

1: Century Ave & Allen Ct Performance by movement

Movement	All
Delay / Veh (s)	38.1

2: Century Ave & County Rd Q Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	23.0	8.0	9.9	19.6	18.1	8.8	70.5	69.8	19.9	64.7	54.4	30.5

2: Century Ave & County Rd Q Performance by movement

Movement	All
Delay / Veh (s)	16.3

3: County Rd M & County Rd K Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	All
Delay / Veh (s)	64.6	61.2	81.1	71.1	38.1	24.2	81.8	41.5	72.5	4.5	77.8	51.0	51.0

4: County Rd K & County Rd Q Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	98.0	37.3	37.9	67.3	62.7	56.2	68.5	63.5	20.1	86.9	38.6	14.4

4: County Rd K & County Rd Q Performance by movement

Movement	All
Delay / Veh (s)	57.8

5: Oncken Rd & County Rd M Performance by movement

Movement	EBL	EBT	EBR	WBL	WBR	NBL	NBT	NBR	SBL	SBT	SBR	All
Delay / Veh (s)	38.0	0.3	22.1	27.4	13.1	9.7	4.2	4.2	7.2	2.5	2.4	5.1

6: Indigo Way & Performance by movement

Movement	EBL	EBR	WBL	WBR	NBL	NBT	NBR	SBL	SBT	SBR	All
Delay / Veh (s)	8.3	3.0	8.8	5.3	3.5	1.6	1.5	3.5	0.5	0.2	2.0

7: Balzer Rd & County Rd Q Performance by movement

Movement	EBL	EBR	NBL	NBT	SBT	SBR	All
Delay / Veh (s)	13.9	5.9	5.1	4.8	2.2	1.6	4.6

8: Oncken Rd & County Rd Q Performance by movement

Movement	WBL	WBR	NBT	NBR	SBL	SBT	All
Delay / Veh (s)	14.6	9.1	1.6	1.2	8.8	5.6	4.1

9: County Rd K & US 12 Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	82.3	65.5	14.6	140.2	57.3	66.3	98.5	67.2	71.2	73.6	22.8	4.1

9: County Rd K & US 12 Performance by movement

Movement	All
Delay / Veh (s)	69.1

10: Century Ave & Branch St Performance by movement

Movement	EBT	EBR	WBL	WBT	NBL	NBR	All
Delay / Veh (s)	35.4	36.4	38.6	16.0	31.9	18.0	28.4

11: Century Ave & Highland Way Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBR	SBL	SBR	All
Delay / Veh (s)	21.1	15.7	13.9	29.4	7.5	8.2	46.9	16.6	43.7	11.5	13.3

12: University Ave. & Allen Blvd Performance by movement

Movement	EBL	EBT	WBT	WBR	SBL	SBT	SBR	All
Delay / Veh (s)	35.1	11.0	48.5	21.4	37.5	1.8	7.8	29.2

13: Century Ave & High Rd Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	21.4	9.3	6.3	17.4	5.3	4.7	28.2	20.5	9.2	26.9	19.5	8.7

13: Century Ave & High Rd Performance by movement

Movement	All
Delay / Veh (s)	9.7

14: Century Ave & Frank Lloyd Wright Ave Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	11.9	6.7	6.1	13.5	9.5	8.9	27.4	22.0	14.3	42.7	18.1	7.4

14: Century Ave & Frank Lloyd Wright Ave Performance by movement

Movement	All
Delay / Veh (s)	12.0

21: County Rd M & Performance by movement

Movement	EBL	EBR	NBL	NBT	SBT	SBR	All
Delay / Veh (s)	193.2	166.7	15.5	11.4	5.6	4.7	19.7

Total Network Performance

Delay / Veh (s)	90.0
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Queuing and Blocking Report
2018 Build PM Peak Hour

10/17/2010

Intersection: 1: Century Ave & Allen Ct

Movement	EB	EB	EB	WB	WB	WB	NB	NB	NB	NB	B46	SB
Directions Served	LT	T	R	L	LT	TR	L	LT	R	R	T	L
Maximum Queue (ft)	707	747	375	399	591	532	200	244	449	372	708	58
Average Queue (ft)	395	407	160	251	298	297	117	119	242	244	25	21
95th Queue (ft)	605	636	398	379	496	478	181	199	374	356	517	52
Link Distance (ft)	1512	1512			2182	2182		1750	1750		3465	175
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)			275	325			300			275		
Storage Blk Time (%)		17		4	6				4	4		
Queuing Penalty (veh)		37		22	16				16	20		

Intersection: 1: Century Ave & Allen Ct

Movement	SB
Directions Served	TR
Maximum Queue (ft)	70
Average Queue (ft)	19
95th Queue (ft)	53
Link Distance (ft)	175
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 2: Century Ave & County Rd Q

Movement	EB	EB	EB	WB	WB	WB	NB	NB	SB	SB	SB	
Directions Served	L	T	TR	L	T	TR	LT	R	LT	R	R	
Maximum Queue (ft)	225	493	397	25	224	245	67	25	151	308	208	
Average Queue (ft)	173	135	126	2	106	118	22	1	31	94	86	
95th Queue (ft)	255	340	274	13	193	207	58	11	83	211	174	
Link Distance (ft)		2494	2494		2504	2504	598			2069		
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	150			200				50	150		150	
Storage Blk Time (%)	12	1			1		8		0	4	4	
Queuing Penalty (veh)	64	5			0		0		0	10	9	

Intersection: 3: County Rd M & County Rd K

Movement	EB	EB	B36	WB	WB	WB	NB	SB
Directions Served	L	TR	T	L	T	R	LTR	LTR
Maximum Queue (ft)	35	1576	158	80	1160	250	43	833
Average Queue (ft)	7	903	8	11	521	129	12	480
95th Queue (ft)	28	1565	92	45	1035	289	38	774
Link Distance (ft)		1786	1867		2624		1148	1899
Upstream Blk Time (%)		1						
Queuing Penalty (veh)		6						
Storage Bay Dist (ft)	150			50		200		
Storage Blk Time (%)		33		1	33	0		
Queuing Penalty (veh)		3		13	141	0		

Intersection: 4: County Rd K & County Rd Q

Movement	EB	EB	WB	WB	NB	NB	NB	SB	SB	SB
Directions Served	L	TR	L	TR	L	T	R	L	T	R
Maximum Queue (ft)	550	1702	122	626	124	626	310	171	235	156
Average Queue (ft)	456	595	26	348	14	346	27	41	125	49
95th Queue (ft)	644	1540	83	565	63	570	149	108	213	115
Link Distance (ft)		4469		6785		3912			1239	
Upstream Blk Time (%)										
Queuing Penalty (veh)										
Storage Bay Dist (ft)	500		75		50		325	100		325
Storage Blk Time (%)	19	0	0	57	0	60		2	18	
Queuing Penalty (veh)	103	1	2	15	1	40		7	50	

Intersection: 5: Oncken Rd & County Rd M

Movement	EB	WB	NB	SB	SB
Directions Served	LR	LR	L	L	R
Maximum Queue (ft)	111	39	31	18	4
Average Queue (ft)	46	9	5	2	0
95th Queue (ft)	92	28	24	13	3
Link Distance (ft)	7757	607			
Upstream Blk Time (%)					
Queuing Penalty (veh)					
Storage Bay Dist (ft)			50	50	150
Storage Blk Time (%)			0	0	
Queuing Penalty (veh)			0	0	

Intersection: 6: Indigo Way &

Movement	EB	WB	NB	NB	SB
Directions Served	LR	LR	L	R	L
Maximum Queue (ft)	52	70	30	4	48
Average Queue (ft)	21	28	3	0	17
95th Queue (ft)	39	50	17	3	45
Link Distance (ft)	537	557			
Upstream Blk Time (%)					
Queuing Penalty (veh)					
Storage Bay Dist (ft)			150	150	150
Storage Blk Time (%)					
Queuing Penalty (veh)					

Intersection: 7: Balzer Rd & County Rd Q

Movement	EB	NB
Directions Served	LR	LT
Maximum Queue (ft)	91	109
Average Queue (ft)	44	11
95th Queue (ft)	75	56
Link Distance (ft)	812	3516
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 8: Oncken Rd & County Rd Q

Movement	WB	NB	SB
Directions Served	LR	TR	LT
Maximum Queue (ft)	107	25	174
Average Queue (ft)	47	1	18
95th Queue (ft)	85	10	83
Link Distance (ft)	7757	1251	3912
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

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Intersection: 9: County Rd K & US 12

Movement	EB	EB	EB	WB	WB	WB	NB	NB	NB	NB	SB	SB
Directions Served	L	T	R	L	L	TR	L	T	T	R	L	T
Maximum Queue (ft)	132	126	59	445	460	518	399	2300	2400	400	64	253
Average Queue (ft)	48	38	8	292	298	190	138	830	918	321	8	127
95th Queue (ft)	109	91	33	517	541	625	306	1911	2066	504	35	210
Link Distance (ft)		1192				6568		5489	5489			3756
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	100		275	500	500		350			350	325	
Storage Blk Time (%)	5	1		5	7			11	10	5		
Queuing Penalty (veh)	7	2		6	8			16	100	42		

Intersection: 9: County Rd K & US 12

Movement	SB	SB
Directions Served	T	R
Maximum Queue (ft)	260	44
Average Queue (ft)	140	8
95th Queue (ft)	220	30
Link Distance (ft)	3756	
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		350
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 10: Century Ave & Branch St

Movement	EB	EB	WB	WB	NB	NB
Directions Served	T	TR	LT	T	L	R
Maximum Queue (ft)	686	715	365	355	264	175
Average Queue (ft)	320	346	200	177	98	90
95th Queue (ft)	614	641	319	304	184	158
Link Distance (ft)	1618	1618	1512	1512	921	
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)						100
Storage Blk Time (%)					11	5
Queuing Penalty (veh)					31	9

Intersection: 11: Century Ave & Highland Way

Movement	EB	EB	EB	WB	WB	WB	NB	SB	SB
Directions Served	L	T	TR	L	T	TR	LR	LT	R
Maximum Queue (ft)	155	542	536	28	284	290	55	44	47
Average Queue (ft)	39	157	156	4	92	97	14	7	25
95th Queue (ft)	92	398	388	18	235	246	40	30	48
Link Distance (ft)		2182	2182		2494	2494	880	539	
Upstream Blk Time (%)									
Queuing Penalty (veh)									
Storage Bay Dist (ft)	100			200					100
Storage Blk Time (%)	0	7			1				
Queuing Penalty (veh)	3	6			0				

Intersection: 12: University Ave. & Allen Blvd

Movement	EB	EB	EB	WB	WB	WB	WB	SB	SB	SB
Directions Served	L	T	T	T	T	R	R	L	L	R
Maximum Queue (ft)	239	168	184	1859	1071	319	124	352	345	275
Average Queue (ft)	110	97	105	416	383	88	62	177	186	34
95th Queue (ft)	192	155	168	1351	1138	279	104	291	302	174
Link Distance (ft)		1903	1903	4686	4686			3465	3465	
Upstream Blk Time (%)				0						
Queuing Penalty (veh)				0						
Storage Bay Dist (ft)	275					300	300			225
Storage Blk Time (%)	0				7				5	0
Queuing Penalty (veh)	0				85				7	0

Intersection: 13: Century Ave & High Rd

Movement	EB	EB	WB	WB	NB	NB	SB	SB
Directions Served	LT	TR	LT	TR	L	TR	L	TR
Maximum Queue (ft)	371	219	122	139	46	96	90	126
Average Queue (ft)	110	111	40	48	8	40	38	45
95th Queue (ft)	259	191	95	106	30	82	77	91
Link Distance (ft)	1026	1026	1237	1237		1134		1326
Upstream Blk Time (%)	0							
Queuing Penalty (veh)	0							
Storage Bay Dist (ft)					100		100	
Storage Blk Time (%)						0	0	1
Queuing Penalty (veh)						0	0	1

Intersection: 14: Century Ave & Frank Lloyd Wright Ave

Movement	EB	EB	EB	WB	WB	WB	NB	NB	SB	SB
Directions Served	L	T	TR	L	T	TR	LT	R	L	TR
Maximum Queue (ft)	53	134	158	82	157	194	121	142	213	120
Average Queue (ft)	18	57	64	36	65	85	51	69	107	46
95th Queue (ft)	44	113	132	68	124	153	98	128	198	122
Link Distance (ft)		1237	1237		1618	1618	558		273	273
Upstream Blk Time (%)									3	1
Queuing Penalty (veh)									0	0
Storage Bay Dist (ft)	200			150				100		
Storage Blk Time (%)					0		1	3		
Queuing Penalty (veh)					0		2	3		

Intersection: 21: County Rd M &

Movement	EB	NB	SB
Directions Served	LR	LT	TR
Maximum Queue (ft)	517	965	34
Average Queue (ft)	175	216	4
95th Queue (ft)	429	675	20
Link Distance (ft)	1485	1937	2907
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Network Summary

Network wide Queuing Penalty: 911

4: County Rd K & County Rd Q Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	127.5	105.9	117.2	215.8	235.8	194.2	395.1	337.5	294.9	122.9	50.5	12.9

4: County Rd K & County Rd Q Performance by movement

Movement	All
Delay / Veh (s)	162.2

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11/15/2010

Intersection: 4: County Rd K & County Rd Q

Movement	EB	EB	WB	WB	NB	NB	NB	SB	SB	SB
Directions Served	L	TR	L	TR	L	T	R	L	T	R
Maximum Queue (ft)	150	3498	125	1656	88	2272	375	174	300	161
Average Queue (ft)	147	1539	24	913	15	1304	141	39	161	43
95th Queue (ft)	159	3092	86	1649	51	2265	424	115	269	103
Link Distance (ft)		4469		6785		3912			1239	
Upstream Blk Time (%)										
Queuing Penalty (veh)										
Storage Bay Dist (ft)	100		75		50		325	100		325
Storage Blk Time (%)	49	7	0	72	3	77		5	28	
Queuing Penalty (veh)	262	40	1	19	18	52		23	79	

21: County Rd M & Performance by movement

Movement	EBL	EBR	NBL	NBT	SBT	SBR	All
Delay / Veh (s)	48.7	12.0	11.4	2.8	5.8	4.6	6.1

Intersection: 21: County Rd M &

Movement	EB	EB	NB	SB
Directions Served	L	R	L	TR
Maximum Queue (ft)	113	61	96	31
Average Queue (ft)	51	30	36	3
95th Queue (ft)	99	56	71	14
Link Distance (ft)	1485			2907
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)		200	200	
Storage Blk Time (%)				
Queuing Penalty (veh)				

1: Century Ave & Allen Ct Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)		42.8	34.5	25.0	22.9	18.6	57.2	2.8	1.8	50.5	66.9	10.4

1: Century Ave & Allen Ct Performance by movement

Movement	All
Delay / Veh (s)	26.5

2: Century Ave & County Rd Q Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	14.4	5.4	3.8	10.3	10.2	7.2	41.3	43.5	8.5	38.0	19.1	40.2

2: Century Ave & County Rd Q Performance by movement

Movement	All
Delay / Veh (s)	18.8

3: County Rd M & County Rd K Performance by movement

Movement	EBL	EBT	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	All
Delay / Veh (s)	34.0	9.4	65.3	55.2	61.9	49.0	9.8	68.7	13.6	73.4	52.5

4: County Rd K & County Rd Q Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	21.8	14.0	10.6	80.1	74.2	64.6	47.3	17.7	4.6	37.4	35.1	20.9

4: County Rd K & County Rd Q Performance by movement

Movement	All
Delay / Veh (s)	37.1

5: Oncken Rd & County Rd M Performance by movement

Movement	EBL	EBT	EBR	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	All
Delay / Veh (s)	17.2	0.9	19.3	14.7	3.8	8.0	0.9	3.7	6.4	2.5	2.4	2.4

6: Indigo Way & Performance by movement

Movement	EBL	EBR	NBL	NBT	SBT	SBR	All
Delay / Veh (s)	8.1	5.0	3.4	0.7	0.8	0.1	1.1

7: Balzer Rd & County Rd Q Performance by movement

Movement	EBL	EBR	NBL	NBT	SBT	SBR	All
Delay / Veh (s)	10.5	5.7	4.2	2.8	3.2	2.3	3.4

8: Oncken Rd & County Rd Q Performance by movement

Movement	WBL	WBT	WBR	NBT	NBR	SBL	SBT	All
Delay / Veh (s)	10.4		5.7	0.8	0.5	8.2	6.3	5.1

10: Century Ave & Branch St Performance by movement

Movement	EBT	EBR	WBL	WBT	NBL	NBR	All
Delay / Veh (s)	9.9	7.5	12.3	5.8	30.1	9.3	8.8

11: Century Ave & Highland Way Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBR	SBL	SBT	SBR	All
Delay / Veh (s)	20.6	7.6	4.2	1.8	6.4	13.2	55.2	11.6	52.7	3.6	21.5	7.7

12: University Ave. & Allen Blvd Performance by movement

Movement	EBL	EBT	WBT	WBR	SBL	SBR	All
Delay / Veh (s)	26.5	19.4	26.7	5.8	33.7	11.8	25.1

13: Century Ave & High Rd Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	15.7	5.0	3.9	9.4	5.0	4.6	31.0	22.4	3.4	29.5	22.7	10.7

13: Century Ave & High Rd Performance by movement

Movement	All
Delay / Veh (s)	7.6

14: Century Ave & Frank Lloyd Wright Ave Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	8.0	5.2	4.0	9.0	5.5	4.8	27.7	23.3	8.8	34.6	23.0	9.7

14: Century Ave & Frank Lloyd Wright Ave Performance by movement

Movement	All
Delay / Veh (s)	8.7

Total Network Performance

Delay / Veh (s)

63.1

Queuing and Blocking Report
2024 No Build AM Peak Hour

10/30/2010

Intersection: 1: Century Ave & Allen Ct

Movement	EB	EB	EB	WB	WB	WB	NB	NB	NB	NB	SB	SB
Directions Served	LT	T	R	L	LT	TR	L	LT	R	R	L	TR
Maximum Queue (ft)	280	337	344	378	714	449	111	94	61	60	27	56
Average Queue (ft)	106	116	195	217	250	228	43	38	6	14	3	18
95th Queue (ft)	205	246	333	357	506	398	85	73	34	50	17	48
Link Distance (ft)	1512	1512			2182	2182		1750	1750		175	175
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)			275	325			300			275		
Storage Blk Time (%)			6	1	1							
Queuing Penalty (veh)			9	7	8							

Intersection: 2: Century Ave & County Rd Q

Movement	EB	EB	EB	WB	WB	WB	NB	NB	SB	SB	SB	
Directions Served	L	T	TR	L	T	TR	LT	R	LT	R	R	
Maximum Queue (ft)	108	97	116	21	183	210	86	24	174	473	222	
Average Queue (ft)	51	29	47	2	78	96	37	2	34	177	145	
95th Queue (ft)	91	73	91	11	146	165	77	14	107	391	231	
Link Distance (ft)		2494	2494		2504	2504	598			2069		
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	150			200				50	150		150	
Storage Blk Time (%)		0			0		12		0	13	13	
Queuing Penalty (veh)		0			0		0		0	43	42	

Intersection: 3: County Rd M & County Rd K

Movement	EB	EB	WB	WB	NB	SB
Directions Served	L	TR	T	R	LTR	LTR
Maximum Queue (ft)	46	198	2622	250	39	575
Average Queue (ft)	15	91	1139	162	11	320
95th Queue (ft)	43	157	2700	311	36	556
Link Distance (ft)		1786	4014		1148	1899
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)	150			200		
Storage Blk Time (%)		1	29	0		
Queuing Penalty (veh)		0	154	0		

Queuing and Blocking Report
2024 No Build AM Peak Hour

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Intersection: 4: County Rd K & County Rd Q

Movement	EB	EB	WB	WB	NB	NB	NB	SB	SB	SB
Directions Served	L	TR	L	TR	L	T	R	L	T	R
Maximum Queue (ft)	134	194	124	805	101	166	10	108	529	336
Average Queue (ft)	61	98	17	431	28	50	1	24	212	113
95th Queue (ft)	105	165	71	1000	73	119	5	66	407	233
Link Distance (ft)		4497		6785		3912			1718	
Upstream Blk Time (%)										
Queuing Penalty (veh)										
Storage Bay Dist (ft)	500		75		50		325	100		325
Storage Blk Time (%)				52	5	8			26	0
Queuing Penalty (veh)				7	7	4			122	0

Intersection: 5: Oncken Rd & County Rd M

Movement	EB	WB	NB	SB
Directions Served	LR	LTR	L	L
Maximum Queue (ft)	52	22	12	18
Average Queue (ft)	18	3	1	2
95th Queue (ft)	42	14	9	13
Link Distance (ft)	7757	607		
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)			50	50
Storage Blk Time (%)			0	0
Queuing Penalty (veh)			0	0

Intersection: 6: Indigo Way &

Movement	EB	NB
Directions Served	LR	LT
Maximum Queue (ft)	52	44
Average Queue (ft)	19	9
95th Queue (ft)	40	33
Link Distance (ft)	544	1830
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 7: Balzer Rd & County Rd Q

Movement	EB	NB	SB
Directions Served	LR	LT	TR
Maximum Queue (ft)	62	51	13
Average Queue (ft)	27	10	1
95th Queue (ft)	53	36	7
Link Distance (ft)	812	3516	1251
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 8: Oncken Rd & County Rd Q

Movement	WB	SB
Directions Served	LR	LT
Maximum Queue (ft)	71	91
Average Queue (ft)	31	11
95th Queue (ft)	65	53
Link Distance (ft)	7757	3912
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 10: Century Ave & Branch St

Movement	EB	EB	WB	WB	NB	NB
Directions Served	T	TR	LT	T	L	R
Maximum Queue (ft)	151	198	240	205	93	85
Average Queue (ft)	71	99	92	68	37	36
95th Queue (ft)	134	174	176	160	73	62
Link Distance (ft)	1618	1618	1512	1512	921	
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)						100
Storage Blk Time (%)					0	0
Queuing Penalty (veh)					0	0

Intersection: 11: Century Ave & Highland Way

Movement	EB	EB	EB	WB	WB	NB	SB	SB
Directions Served	L	T	TR	T	TR	LR	LT	R
Maximum Queue (ft)	49	134	178	282	309	51	44	83
Average Queue (ft)	17	32	38	80	102	14	10	38
95th Queue (ft)	44	93	111	203	233	40	35	72
Link Distance (ft)		2182	2182	2494	2494	880	539	
Upstream Blk Time (%)								
Queuing Penalty (veh)								
Storage Bay Dist (ft)	100							100
Storage Blk Time (%)		0		1				0
Queuing Penalty (veh)		0		0				0

Intersection: 12: University Ave. & Allen Blvd

Movement	EB	EB	EB	WB	WB	WB	WB	SB	SB	SB
Directions Served	L	T	T	T	T	R	R	L	L	R
Maximum Queue (ft)	101	212	219	210	216	48	50	503	520	275
Average Queue (ft)	36	129	137	115	117	4	5	320	333	35
95th Queue (ft)	83	195	206	181	184	26	30	502	510	185
Link Distance (ft)		1909	1909	1742	1742			3465	3465	
Upstream Blk Time (%)										
Queuing Penalty (veh)										
Storage Bay Dist (ft)	275					300	300			225
Storage Blk Time (%)		0			0				19	0
Queuing Penalty (veh)		0			0				18	0

Intersection: 13: Century Ave & High Rd

Movement	EB	EB	WB	WB	NB	NB	SB	SB
Directions Served	LT	TR	LT	TR	L	TR	L	TR
Maximum Queue (ft)	104	113	181	181	38	59	120	142
Average Queue (ft)	44	48	53	64	7	17	37	54
95th Queue (ft)	84	95	137	152	27	42	77	109
Link Distance (ft)	1026	1026	1237	1237		1134		1326
Upstream Blk Time (%)								
Queuing Penalty (veh)								
Storage Bay Dist (ft)					100		100	
Storage Blk Time (%)						0	0	2
Queuing Penalty (veh)						0	0	1

Intersection: 14: Century Ave & Frank Lloyd Wright Ave

Movement	EB	EB	EB	WB	WB	WB	NB	NB	SB	SB
Directions Served	L	T	TR	L	T	TR	LT	R	L	TR
Maximum Queue (ft)	29	78	81	100	145	156	71	52	170	112
Average Queue (ft)	7	29	35	34	43	60	19	25	66	41
95th Queue (ft)	26	67	70	73	99	118	51	48	127	83
Link Distance (ft)		1237	1237		1618	1618	558		273	273
Upstream Blk Time (%)									0	
Queuing Penalty (veh)									0	
Storage Bay Dist (ft)	200			150				100		
Storage Blk Time (%)					0		0			
Queuing Penalty (veh)					0		0			

Network Summary

Network wide Queuing Penalty: 425

1: Century Ave & Allen Ct Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	40.7	32.4	11.5	44.9	46.8	44.2	69.2	8.8	23.9	60.5	47.7	11.0

1: Century Ave & Allen Ct Performance by movement

Movement	All
Delay / Veh (s)	35.0

2: Century Ave & County Rd Q Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	21.0	6.4	7.0	19.1	15.1	8.4	90.0	93.1	13.5	75.2	78.7	39.4

2: Century Ave & County Rd Q Performance by movement

Movement	All
Delay / Veh (s)	15.8

3: County Rd M & County Rd K Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBT	NBR	SBL	SBT	SBR	All
Delay / Veh (s)	54.0	55.5	49.1	76.9	33.4	20.4	57.3	31.5	99.7	12.2	95.1	53.2

4: County Rd K & County Rd Q Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	80.0	32.3	28.3	137.0	139.6	127.0	206.5	184.3	112.2	90.0	43.0	15.4

4: County Rd K & County Rd Q Performance by movement

Movement	All
Delay / Veh (s)	89.7

5: Oncken Rd & County Rd M Performance by movement

Movement	EBL	EBT	EBR	WBL	WBR	NBL	NBT	NBR	SBL	SBT	SBR	All
Delay / Veh (s)	28.3	0.6	14.3	15.9	8.9	10.8	1.7	3.1	6.6	1.7	1.7	2.7

6: Indigo Way & Performance by movement

Movement	EBL	EBR	NBL	NBT	SBT	SBR	All
Delay / Veh (s)	6.5	2.7	3.1	0.9	0.2	0.0	0.9

7: Balzer Rd & County Rd Q Performance by movement

Movement	EBL	EBR	NBL	NBT	SBT	SBR	All
Delay / Veh (s)	13.5	6.2	4.1	4.3	2.1	1.5	4.4

8: Oncken Rd & County Rd Q Performance by movement

Movement	WBL	WBR	NBT	NBR	SBL	SBT	All
Delay / Veh (s)	12.8	7.3	1.1	0.7	7.9	4.8	3.0

10: Century Ave & Branch St Performance by movement

Movement	EBT	EBR	WBL	WBT	NBL	NBR	All
Delay / Veh (s)	22.5	22.7	37.9	14.7	29.6	17.3	21.3

11: Century Ave & Highland Way Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBR	SBL	SBR	All
Delay / Veh (s)	18.5	12.9	11.2	24.9	5.5	5.3	60.3	22.7	58.6	12.2	10.9

12: University Ave. & Allen Blvd Performance by movement

Movement	EBL	EBT	WBT	WBR	SBL	SBT	SBR	All
Delay / Veh (s)	34.6	10.6	38.2	12.3	33.9	1.2	6.0	23.0

13: Century Ave & High Rd Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	19.8	9.6	6.3	18.0	5.2	3.9	26.2	20.1	11.4	25.9	20.2	9.9

13: Century Ave & High Rd Performance by movement

Movement	All
Delay / Veh (s)	9.8

14: Century Ave & Frank Lloyd Wright Ave Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	12.7	6.1	6.3	13.3	9.9	8.9	17.6	21.4	13.2	45.1	16.4	6.0

14: Century Ave & Frank Lloyd Wright Ave Performance by movement

Movement	All
Delay / Veh (s)	11.9

Total Network Performance

Delay / Veh (s)

80.0

Queuing and Blocking Report
 2024 No Build Conditions PM Peak Hour

10/30/2010

Intersection: 1: Century Ave & Allen Ct

Movement	EB	EB	EB	WB	WB	WB	NB	NB	NB	NB	SB	SB
Directions Served	LT	T	R	L	LT	TR	L	LT	R	R	L	TR
Maximum Queue (ft)	548	557	375	371	438	429	227	227	346	335	70	63
Average Queue (ft)	353	359	136	233	263	271	134	133	218	224	21	20
95th Queue (ft)	506	515	363	348	380	397	209	206	322	320	52	50
Link Distance (ft)	1512	1512			2182	2182		1750	1750		175	175
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)			275	325			300			275		
Storage Blk Time (%)		14		1	3			0	2	2		
Queuing Penalty (veh)		32		6	7			0	8	9		

Intersection: 2: Century Ave & County Rd Q

Movement	EB	EB	EB	WB	WB	WB	NB	NB	SB	SB	SB	
Directions Served	L	T	TR	L	T	TR	LT	R	LT	R	R	
Maximum Queue (ft)	220	441	382	22	197	200	75	23	110	325	209	
Average Queue (ft)	153	110	113	4	88	100	28	1	36	109	97	
95th Queue (ft)	240	312	268	16	171	187	72	12	86	241	185	
Link Distance (ft)		2494	2494		2504	2504	598			2069		
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	150			200				50	150		150	
Storage Blk Time (%)	9	1			0		15	0	0	6	4	
Queuing Penalty (veh)	47	4			0		0	0	0	12	9	

Intersection: 3: County Rd M & County Rd K

Movement	EB	EB	B36	WB	WB	WB	NB	SB
Directions Served	L	TR	T	L	T	R	LTR	LTR
Maximum Queue (ft)	31	1355	55	80	906	250	39	1200
Average Queue (ft)	7	784	5	13	375	129	8	685
95th Queue (ft)	29	1373	64	48	757	285	30	1209
Link Distance (ft)		1786	1867		2502		1148	1899
Upstream Blk Time (%)	0							
Queuing Penalty (veh)	2							
Storage Bay Dist (ft)	150			50		200		
Storage Blk Time (%)		34		2	33	0		
Queuing Penalty (veh)		3		17	159	0		

Queuing and Blocking Report
 2024 No Build Conditions PM Peak Hour

10/30/2010

Intersection: 4: County Rd K & County Rd Q

Movement	EB	EB	WB	WB	NB	NB	NB	SB	SB	SB
Directions Served	L	TR	L	TR	L	T	R	L	T	R
Maximum Queue (ft)	550	1514	123	1025	92	1301	373	139	256	187
Average Queue (ft)	440	534	19	705	15	811	74	29	136	61
95th Queue (ft)	631	1432	71	1147	56	1483	293	79	236	136
Link Distance (ft)		4497		6785		3912			1822	
Upstream Blk Time (%)										
Queuing Penalty (veh)										
Storage Bay Dist (ft)	500		75		50		325	100		325
Storage Blk Time (%)	13	0	0	66	0	73	0	0	20	
Queuing Penalty (veh)	77	1	0	11	1	45	0	1	59	

Intersection: 5: Oncken Rd & County Rd M

Movement	EB	WB	NB	SB
Directions Served	LR	LR	L	L
Maximum Queue (ft)	78	30	6	30
Average Queue (ft)	30	7	0	4
95th Queue (ft)	66	24	7	20
Link Distance (ft)	7757	607		
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)			50	50
Storage Blk Time (%)			0	0
Queuing Penalty (veh)			0	0

Intersection: 6: Indigo Way &

Movement	EB	NB
Directions Served	LR	LT
Maximum Queue (ft)	46	24
Average Queue (ft)	20	2
95th Queue (ft)	38	14
Link Distance (ft)	544	1830
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Queuing and Blocking Report
 2024 No Build Conditions PM Peak Hour

10/30/2010

Intersection: 7: Balzer Rd & County Rd Q

Movement	EB	NB	SB
Directions Served	LR	LT	TR
Maximum Queue (ft)	115	73	13
Average Queue (ft)	47	8	0
95th Queue (ft)	81	39	5
Link Distance (ft)	812	3516	1251
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 8: Oncken Rd & County Rd Q

Movement	WB	NB	SB
Directions Served	LR	TR	LT
Maximum Queue (ft)	81	4	89
Average Queue (ft)	34	0	12
95th Queue (ft)	67	3	55
Link Distance (ft)	7757	1251	3912
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 10: Century Ave & Branch St

Movement	EB	EB	WB	WB	NB	NB
Directions Served	T	TR	LT	T	L	R
Maximum Queue (ft)	399	434	374	345	242	175
Average Queue (ft)	207	233	196	168	92	88
95th Queue (ft)	340	375	330	301	162	149
Link Distance (ft)	1618	1618	1512	1512	921	
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)						100
Storage Blk Time (%)					9	5
Queuing Penalty (veh)					25	9

Queuing and Blocking Report
 2024 No Build Conditions PM Peak Hour

10/30/2010

Intersection: 11: Century Ave & Highland Way

Movement	EB	EB	EB	WB	WB	WB	NB	SB	SB
Directions Served	L	T	TR	L	T	TR	LR	LT	R
Maximum Queue (ft)	179	418	364	29	243	238	50	35	66
Average Queue (ft)	39	95	96	3	61	64	14	5	27
95th Queue (ft)	98	272	266	17	174	181	41	24	55
Link Distance (ft)		2182	2182		2494	2494	880	539	
Upstream Blk Time (%)									
Queuing Penalty (veh)									
Storage Bay Dist (ft)	100			200					100
Storage Blk Time (%)	0	4			1				
Queuing Penalty (veh)	0	3			0				

Intersection: 12: University Ave. & Allen Blvd

Movement	EB	EB	EB	WB	WB	WB	WB	SB	SB	SB
Directions Served	L	T	T	T	T	R	R	L	L	R
Maximum Queue (ft)	216	182	212	462	443	188	105	266	295	240
Average Queue (ft)	114	89	100	273	269	59	56	159	164	9
95th Queue (ft)	190	153	175	410	397	156	92	249	255	82
Link Distance (ft)		1909	1909	3219	3219			3465	3465	
Upstream Blk Time (%)										
Queuing Penalty (veh)										
Storage Bay Dist (ft)	275					300	300			225
Storage Blk Time (%)	0				5				2	
Queuing Penalty (veh)	0				53				4	

Intersection: 13: Century Ave & High Rd

Movement	EB	EB	WB	WB	NB	NB	SB	SB
Directions Served	LT	TR	LT	TR	L	TR	L	TR
Maximum Queue (ft)	233	252	142	156	43	122	90	120
Average Queue (ft)	108	110	37	41	11	42	34	47
95th Queue (ft)	189	187	101	103	37	92	71	94
Link Distance (ft)	1026	1026	1237	1237		1134		1326
Upstream Blk Time (%)								
Queuing Penalty (veh)								
Storage Bay Dist (ft)					100		100	
Storage Blk Time (%)						1	0	1
Queuing Penalty (veh)						0	0	0

Intersection: 14: Century Ave & Frank Lloyd Wright Ave

Movement	EB	EB	EB	WB	WB	WB	NB	NB	SB	SB
Directions Served	L	T	TR	L	T	TR	LT	R	L	TR
Maximum Queue (ft)	70	146	160	89	150	193	115	119	252	116
Average Queue (ft)	27	51	59	38	64	85	50	62	102	43
95th Queue (ft)	59	109	124	73	121	155	93	108	197	85
Link Distance (ft)		1237	1237		1618	1618	558		273	273
Upstream Blk Time (%)										1
Queuing Penalty (veh)										0
Storage Bay Dist (ft)	200			150				100		
Storage Blk Time (%)		0			0		1	1		
Queuing Penalty (veh)		0			0		2	1		

Network Summary

Network wide Queuing Penalty: 609

4: County Rd K & County Rd Q Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	42.0	15.0	12.8	51.9	40.7	30.9	40.1	28.8	9.9	44.9	28.9	9.6

4: County Rd K & County Rd Q Performance by movement

Movement	All
Delay / Veh (s)	28.8

Queuing and Blocking Report
 2024 No Build Conditions PM Peak Hour IMP at QK

11/5/2010

Intersection: 4: County Rd K & County Rd Q

Movement	EB	EB	EB	WB	WB	NB	NB	NB	NB	SB	SB	SB
Directions Served	L	L	TR	L	TR	L	T	T	R	L	T	R
Maximum Queue (ft)	256	268	302	123	500	85	160	173	30	137	228	153
Average Queue (ft)	150	157	140	21	280	14	87	88	5	22	92	54
95th Queue (ft)	229	240	249	73	470	50	144	146	20	71	175	122
Link Distance (ft)			4494		6770		3905				1811	1811
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	500	500		75		50		325	325	100		
Storage Blk Time (%)				0	45	2	23			0	10	
Queuing Penalty (veh)				0	7	11	67			0	3	

1: Century Ave & Allen Ct Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	34.1	48.4	46.0	33.8	29.9	29.3	64.9	3.3	3.0	62.7	64.9	20.2

1: Century Ave & Allen Ct Performance by movement

Movement	All
Delay / Veh (s)	33.2

2: Century Ave & County Rd Q Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	24.4	6.8	4.4	13.4	12.9	9.2	44.7	42.8	9.0	57.5	46.8	66.3

2: Century Ave & County Rd Q Performance by movement

Movement	All
Delay / Veh (s)	29.0

3: County Rd M & County Rd K Performance by movement

Movement	EBL	EBT	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	All
Delay / Veh (s)	39.7	16.4	265.4	256.3	53.5	81.6	19.3	87.3	12.5	91.4	165.1

4: County Rd K & County Rd Q Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	24.9	15.2	11.4	77.5	67.3	61.5	46.7	17.8	3.2	40.5	40.2	24.1

4: County Rd K & County Rd Q Performance by movement

Movement	All
Delay / Veh (s)	36.6

5: Oncken Rd & County Rd M Performance by movement

Movement	EBL	EBR	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	All
Delay / Veh (s)	52.4	34.2	17.3	4.5	9.6	2.7	2.0	5.3	2.7	2.6	8.2

6: Indigo Way & Performance by movement

Movement	EBL	EBR	WBL	WBR	NBL	NBT	NBR	SBL	SBT	SBR	All
Delay / Veh (s)	12.7	6.1	13.0	7.8	5.7	1.2	2.0	2.8	1.1	0.2	3.3

7: Balzer Rd & County Rd Q Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	12.7	13.4	7.1	10.2	13.7	5.0	4.2	3.2	0.9	5.3	3.4	2.7

7: Balzer Rd & County Rd Q Performance by movement

Movement	All
Delay / Veh (s)	4.1

8: Oncken Rd & County Rd Q Performance by movement

Movement	WBL	WBT	WBR	NBT	NBR	SBL	SBT	All
Delay / Veh (s)	17.1	1.1	10.9	1.3	0.7	9.6	7.5	6.2

10: Century Ave & Branch St Performance by movement

Movement	EBT	EBR	WBL	WBT	NBL	NBR	All
Delay / Veh (s)	9.6	7.7	11.4	6.3	32.0	9.6	8.7

11: Century Ave & Highland Way Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBR	SBL	SBT	SBR	All
Delay / Veh (s)	24.3	9.5	13.9			8.6	8.3	51.1	8.0	61.8	30.6	10.0

12: University Ave. & Allen Blvd Performance by movement

Movement	EBL	EBT	WBT	WBR	SBL	SBR	All
Delay / Veh (s)	30.6	18.9	29.7	6.5	37.6	15.3	27.4

13: Century Ave & High Rd Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	22.0	6.2	4.2	8.4	5.8	4.8	26.9	22.3	7.2	27.2	23.2	10.5

13: Century Ave & High Rd Performance by movement

Movement	All
Delay / Veh (s)	8.1

14: Century Ave & Frank Lloyd Wright Ave Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	9.9	5.7	3.2	9.7	7.3	6.4	25.1	24.2	8.5	38.6	22.6	7.8

14: Century Ave & Frank Lloyd Wright Ave Performance by movement

Movement	All
Delay / Veh (s)	9.8

21: County Rd M & Performance by movement

Movement	EBL	EBR	NBL	NBT	SBT	SBR	All
Delay / Veh (s)	32.7	26.0	8.5	1.3	4.6	4.1	7.7

Total Network Performance

Delay / Veh (s)	105.8
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Queuing and Blocking Report
2024 Build AM Peak Hour

10/17/2010

Intersection: 1: Century Ave & Allen Ct

Movement	EB	EB	EB	WB	WB	WB	NB	NB	NB	NB	SB	SB
Directions Served	LT	T	R	L	LT	TR	L	LT	R	R	L	TR
Maximum Queue (ft)	407	520	359	399	1111	885	108	99	97	108	32	52
Average Queue (ft)	132	178	200	264	340	322	49	45	19	29	4	17
95th Queue (ft)	265	437	354	427	735	650	96	89	68	84	20	45
Link Distance (ft)	1512	1512			2182	2182		1750	1750		175	175
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)			275	325			300			275		
Storage Blk Time (%)		1	10	4	5							
Queuing Penalty (veh)		2	19	40	27							

Intersection: 2: Century Ave & County Rd Q

Movement	EB	EB	EB	WB	WB	WB	NB	NB	SB	SB	SB	
Directions Served	L	T	TR	L	T	TR	LT	R	LT	R	R	
Maximum Queue (ft)	201	172	128	21	208	238	96	38	174	906	225	
Average Queue (ft)	84	44	56	2	103	120	43	3	47	378	189	
95th Queue (ft)	159	108	104	12	181	196	79	21	145	833	270	
Link Distance (ft)		2494	2494		2504	2504	598			2069		
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	150			200				50	150		150	
Storage Blk Time (%)	3	0			0		18		0	34	34	
Queuing Penalty (veh)	7	0			0		1		0	140	139	

Intersection: 3: County Rd M & County Rd K

Movement	EB	EB	WB	WB	NB	SB
Directions Served	L	TR	T	R	LTR	LTR
Maximum Queue (ft)	148	502	2654	250	47	733
Average Queue (ft)	28	243	2130	159	13	410
95th Queue (ft)	79	419	3425	304	38	700
Link Distance (ft)		1786	2624		1148	1899
Upstream Blk Time (%)	9					
Queuing Penalty (veh)	0					
Storage Bay Dist (ft)	150			200		
Storage Blk Time (%)		11	29	0		
Queuing Penalty (veh)		3	152	0		

Queuing and Blocking Report
2024 Build AM Peak Hour

10/17/2010

Intersection: 4: County Rd K & County Rd Q

Movement	EB	EB	WB	WB	NB	NB	NB	SB	SB	SB
Directions Served	L	TR	L	TR	L	T	R	L	T	R
Maximum Queue (ft)	143	184	123	680	111	208	6	122	727	345
Average Queue (ft)	63	104	15	386	41	74	1	26	253	131
95th Queue (ft)	114	177	64	893	89	160	3	80	535	278
Link Distance (ft)		4497		6785		3906			1731	
Upstream Blk Time (%)										
Queuing Penalty (veh)										
Storage Bay Dist (ft)	500		75		50		325	100		325
Storage Blk Time (%)				51	8	12			32	0
Queuing Penalty (veh)				7	19	7			153	0

Intersection: 5: Oncken Rd & County Rd M

Movement	EB	WB	NB	SB	SB	SB
Directions Served	LR	LTR	L	L	T	R
Maximum Queue (ft)	288	18	18	30	15	13
Average Queue (ft)	110	2	1	2	1	1
95th Queue (ft)	243	13	11	14	8	7
Link Distance (ft)	7756	607			1867	
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)			50	50		150
Storage Blk Time (%)			0	0	0	
Queuing Penalty (veh)			0	0	0	

Intersection: 6: Indigo Way &

Movement	EB	WB	NB	SB
Directions Served	LR	LR	L	L
Maximum Queue (ft)	62	118	47	38
Average Queue (ft)	21	49	14	6
95th Queue (ft)	48	93	40	27
Link Distance (ft)	537	537		
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)			150	150
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 7: Balzer Rd & County Rd Q

Movement	EB	WB	NB	SB
Directions Served	LTR	LTR	LTR	LTR
Maximum Queue (ft)	75	61	69	92
Average Queue (ft)	33	26	12	12
95th Queue (ft)	65	54	45	56
Link Distance (ft)	812	793	3510	1262
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 8: Oncken Rd & County Rd Q

Movement	WB	NB	SB
Directions Served	LR	LTR	LTR
Maximum Queue (ft)	107	4	170
Average Queue (ft)	51	0	25
95th Queue (ft)	88	3	97
Link Distance (ft)	7756	1262	3906
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 10: Century Ave & Branch St

Movement	EB	EB	WB	WB	NB	NB
Directions Served	T	TR	LT	T	L	R
Maximum Queue (ft)	216	228	209	202	90	67
Average Queue (ft)	74	97	99	81	35	36
95th Queue (ft)	151	183	185	191	74	58
Link Distance (ft)	1618	1618	1512	1512	921	
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)						100
Storage Blk Time (%)					1	
Queuing Penalty (veh)					1	

Intersection: 11: Century Ave & Highland Way

Movement	EB	EB	EB	WB	WB	WB	NB	SB	SB
Directions Served	L	T	TR	L	T	TR	LR	LT	R
Maximum Queue (ft)	62	165	174	11	379	451	71	48	117
Average Queue (ft)	19	53	55	0	110	141	15	11	44
95th Queue (ft)	49	134	136	4	266	324	47	36	89
Link Distance (ft)		2182	2182		2494	2494	880	539	
Upstream Blk Time (%)									
Queuing Penalty (veh)									
Storage Bay Dist (ft)	100			200					100
Storage Blk Time (%)		2			1				1
Queuing Penalty (veh)		0			0				0

Intersection: 12: University Ave. & Allen Blvd

Movement	EB	EB	EB	WB	WB	WB	WB	SB	SB	SB
Directions Served	L	T	T	T	T	R	R	L	L	R
Maximum Queue (ft)	107	200	216	534	532	62	49	624	682	275
Average Queue (ft)	43	118	125	122	125	10	5	371	387	54
95th Queue (ft)	89	176	187	191	196	44	30	561	588	232
Link Distance (ft)		1909	1909	1742	1742			3465	3465	
Upstream Blk Time (%)				0	0					
Queuing Penalty (veh)				0	0					
Storage Bay Dist (ft)	275					300	300			225
Storage Blk Time (%)					0				24	
Queuing Penalty (veh)					0				23	

Intersection: 13: Century Ave & High Rd

Movement	EB	EB	WB	WB	NB	NB	SB	SB
Directions Served	LT	TR	LT	TR	L	TR	L	TR
Maximum Queue (ft)	111	112	218	223	30	64	112	124
Average Queue (ft)	53	54	65	78	4	19	36	54
95th Queue (ft)	100	100	157	177	20	48	78	109
Link Distance (ft)	1026	1026	1237	1237		1134		1326
Upstream Blk Time (%)								
Queuing Penalty (veh)								
Storage Bay Dist (ft)					100		100	
Storage Blk Time (%)							0	1
Queuing Penalty (veh)							0	1

Intersection: 14: Century Ave & Frank Lloyd Wright Ave

Movement	EB	EB	EB	WB	WB	WB	NB	NB	SB	SB
Directions Served	L	T	TR	L	T	TR	LT	R	L	TR
Maximum Queue (ft)	34	100	110	106	219	240	66	59	174	113
Average Queue (ft)	6	32	40	33	70	92	19	25	76	40
95th Queue (ft)	24	73	81	74	151	177	51	51	140	80
Link Distance (ft)		1237	1237		1618	1618	558		273	273
Upstream Blk Time (%)									0	
Queuing Penalty (veh)									0	
Storage Bay Dist (ft)	200			150				100		
Storage Blk Time (%)						1				
Queuing Penalty (veh)						1				

Intersection: 21: County Rd M &

Movement	EB	NB	SB
Directions Served	LR	L	TR
Maximum Queue (ft)	222	60	13
Average Queue (ft)	111	17	1
95th Queue (ft)	199	48	7
Link Distance (ft)	989		2908
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)		200	
Storage Blk Time (%)			
Queuing Penalty (veh)			

Network Summary

Network wide Queuing Penalty: 741

21: County Rd M & Performance by movement

Movement	EBL	EBR	NBL	NBT	SBT	SBR	All
Delay / Veh (s)	30.6	19.0	8.2	1.3	4.8	4.2	7.3

Queuing and Blocking Report
2024 Build AM Peak Hour

11/5/2010

Intersection: 21: County Rd M &

Movement	EB	EB	NB	SB
Directions Served	L	R	L	TR
Maximum Queue (ft)	147	151	31	10
Average Queue (ft)	68	53	15	1
95th Queue (ft)	122	108	40	7
Link Distance (ft)	989			2908
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)		200	200	
Storage Blk Time (%)	0	0		
Queuing Penalty (veh)	0	0		

1: Century Ave & Allen Ct Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	43.3	40.9	20.9	62.3	62.3	69.5	72.6	9.4	32.5	55.4	61.2	16.6

1: Century Ave & Allen Ct Performance by movement

Movement	All
Delay / Veh (s)	45.4

2: Century Ave & County Rd Q Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	37.3	8.7	9.9	26.4	26.4	18.7	98.1	99.6	17.2	77.7	75.2	31.5

2: Century Ave & County Rd Q Performance by movement

Movement	All
Delay / Veh (s)	22.3

3: County Rd M & County Rd K Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBT	NBR	SBL	SBT	SBR	All
Delay / Veh (s)	183.4	136.0	110.7	261.4	182.9	167.1	75.6	36.7	289.4	110.9	292.3	182.1

4: County Rd K & County Rd Q Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	143.8	79.1	83.3	118.8	104.2	103.8	173.9	162.7	93.9	96.5	44.0	15.6

4: County Rd K & County Rd Q Performance by movement

Movement	All
Delay / Veh (s)	102.2

5: Oncken Rd & County Rd M Performance by movement

Movement	EBL	EBR	WBL	WBR	NBL	NBT	NBR	SBL	SBT	SBR	All
Delay / Veh (s)	231.2	343.3	19.1	35.5	10.3	4.0	2.1	8.5	2.0	2.3	20.9

6: Indigo Way & Performance by movement

Movement	EBL	EBR	WBL	WBR	NBL	NBT	NBR	SBL	SBT	SBR	All
Delay / Veh (s)	9.6	3.9	10.5	6.6	3.5	1.4	1.5	3.9	0.4	0.3	2.1

7: Balzer Rd & County Rd Q Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	17.5	18.6	8.5	19.6	19.4	13.2	4.3	5.6	2.3	6.2	3.4	2.3

7: Balzer Rd & County Rd Q Performance by movement

Movement	All
Delay / Veh (s)	7.2

8: Oncken Rd & County Rd Q Performance by movement

Movement	WBL	WBT	WBR	NBT	NBR	SBL	SBT	All
Delay / Veh (s)	18.6	1.5	10.3	1.7	1.0	10.4	6.7	4.7

10: Century Ave & Branch St Performance by movement

Movement	EBT	EBR	WBL	WBT	NBL	NBR	All
Delay / Veh (s)	25.4	24.4	43.3	16.5	66.0	38.3	27.6

11: Century Ave & Highland Way Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBR	SBL	SBR	All
Delay / Veh (s)	22.9	16.0	14.6	32.3	7.5	3.3	49.6	26.6	63.2	14.5	13.5

12: University Ave. & Allen Blvd Performance by movement

Movement	EBL	EBT	WBT	WBR	SBL	SBT	SBR	All
Delay / Veh (s)	36.4	10.5	45.2	18.7	37.4	1.4	7.5	27.4

13: Century Ave & High Rd Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	25.7	11.6	6.8	23.3	7.1	6.0	25.1	18.1	10.8	26.8	20.6	11.0

13: Century Ave & High Rd Performance by movement

Movement	All
Delay / Veh (s)	11.5

14: Century Ave & Frank Lloyd Wright Ave Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	13.8	8.4	8.3	16.5	12.4	11.6	27.8	22.8	15.6	51.5	20.3	10.2

14: Century Ave & Frank Lloyd Wright Ave Performance by movement

Movement	All
Delay / Veh (s)	14.4

21: County Rd M & Performance by movement

Movement	EBL	EBR	NBL	NBT	SBT	SBR	All
Delay / Veh (s)	59.1	37.3	12.4	3.3	4.5	3.4	7.7

Total Network Performance

Delay / Veh (s)	135.7
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Queuing and Blocking Report
2024 Build Conditions PM Peak Hour

10/17/2010

Intersection: 1: Century Ave & Allen Ct

Movement	EB	EB	EB	WB	WB	WB	NB	NB	NB	NB	SB	SB
Directions Served	LT	T	R	L	LT	TR	L	LT	R	R	L	TR
Maximum Queue (ft)	838	884	375	400	712	657	226	558	718	375	84	56
Average Queue (ft)	464	478	158	297	384	387	134	156	309	278	22	19
95th Queue (ft)	706	746	386	436	610	585	204	330	544	398	62	50
Link Distance (ft)	1512	1512			2182	2182		1750	1750		175	175
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)			275	325			300			275		
Storage Blk Time (%)		25	0	9	14		0	0	9	10		
Queuing Penalty (veh)		59	1	63	43		0	0	43	49		

Intersection: 2: Century Ave & County Rd Q

Movement	EB	EB	EB	WB	WB	WB	NB	NB	SB	SB	SB
Directions Served	L	T	TR	L	T	TR	LT	R	LT	R	R
Maximum Queue (ft)	225	793	662	63	277	287	100	24	149	491	223
Average Queue (ft)	214	335	214	5	146	156	33	3	39	132	106
95th Queue (ft)	255	656	516	42	252	266	75	15	94	323	212
Link Distance (ft)		2494	2494		2504	2504	598			2069	
Upstream Blk Time (%)											
Queuing Penalty (veh)											
Storage Bay Dist (ft)	150			200				50	150		150
Storage Blk Time (%)	31	1			2		19		0	9	8
Queuing Penalty (veh)	180	7			0		1		0	24	23

Intersection: 3: County Rd M & County Rd K

Movement	EB	EB	B36	WB	WB	WB	NB	SB	B44
Directions Served	L	TR	T	L	T	R	LTR	LTR	T
Maximum Queue (ft)	36	1863	1850	56	2526	250	43	1951	1002
Average Queue (ft)	8	1664	891	14	1979	153	10	1511	246
95th Queue (ft)	31	2281	2144	45	3083	308	34	2263	979
Link Distance (ft)		1786	1867		2502		1148	1899	6785
Upstream Blk Time (%)		24	2		11			20	
Queuing Penalty (veh)		279	20		0			133	
Storage Bay Dist (ft)	150			50		200			
Storage Blk Time (%)		39		3	36				
Queuing Penalty (veh)		6		45	176				

Queuing and Blocking Report
 2024 Build Conditions PM Peak Hour

10/17/2010

Intersection: 4: County Rd K & County Rd Q

Movement	EB	EB	WB	WB	NB	NB	NB	SB	SB	SB
Directions Served	L	TR	L	TR	L	T	R	L	T	R
Maximum Queue (ft)	550	2721	124	985	124	1552	374	174	327	146
Average Queue (ft)	485	1267	15	526	24	780	52	46	169	57
95th Queue (ft)	660	2973	64	1068	81	1441	242	122	278	117
Link Distance (ft)		4497		6785		3906			1507	
Upstream Blk Time (%)										
Queuing Penalty (veh)										
Storage Bay Dist (ft)	500		75		50		325	100		325
Storage Blk Time (%)	26	0	0	62	1	71		2	27	
Queuing Penalty (veh)	163	2	0	10	6	50		12	82	

Intersection: 5: Oncken Rd & County Rd M

Movement	EB	WB	NB	NB	SB	SB
Directions Served	LR	LR	L	T	L	R
Maximum Queue (ft)	590	43	25	208	31	15
Average Queue (ft)	268	10	2	22	4	1
95th Queue (ft)	549	31	14	160	22	10
Link Distance (ft)	7756	607		2860		
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)			50		50	150
Storage Blk Time (%)			0	2	0	
Queuing Penalty (veh)			0	0	0	

Intersection: 6: Indigo Way &

Movement	EB	WB	NB	NB	SB
Directions Served	LR	LR	L	R	L
Maximum Queue (ft)	52	83	34	4	58
Average Queue (ft)	21	33	3	0	14
95th Queue (ft)	41	63	18	3	44
Link Distance (ft)	537	611			
Upstream Blk Time (%)					
Queuing Penalty (veh)					
Storage Bay Dist (ft)			150	150	150
Storage Blk Time (%)					
Queuing Penalty (veh)					

Queuing and Blocking Report
 2024 Build Conditions PM Peak Hour

10/17/2010

Intersection: 7: Balzer Rd & County Rd Q

Movement	EB	WB	NB	SB
Directions Served	LTR	LTR	LTR	LTR
Maximum Queue (ft)	120	154	126	195
Average Queue (ft)	58	58	10	28
95th Queue (ft)	100	109	65	104
Link Distance (ft)	812	821	3358	1262
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 8: Oncken Rd & County Rd Q

Movement	WB	NB	SB
Directions Served	LR	LTR	LTR
Maximum Queue (ft)	135	14	179
Average Queue (ft)	57	1	41
95th Queue (ft)	100	7	133
Link Distance (ft)	7756	1262	3906
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 10: Century Ave & Branch St

Movement	EB	EB	WB	WB	NB	NB
Directions Served	T	TR	LT	T	L	R
Maximum Queue (ft)	584	619	454	457	560	175
Average Queue (ft)	328	348	230	204	224	129
95th Queue (ft)	518	543	381	384	523	204
Link Distance (ft)	1618	1618	1512	1512	921	
Upstream Blk Time (%)					0	
Queuing Penalty (veh)					0	
Storage Bay Dist (ft)						100
Storage Blk Time (%)					31	16
Queuing Penalty (veh)					88	31

Intersection: 11: Century Ave & Highland Way

Movement	EB	EB	EB	WB	WB	WB	NB	SB	SB
Directions Served	L	T	TR	L	T	TR	LR	LT	R
Maximum Queue (ft)	184	485	444	29	350	338	51	40	69
Average Queue (ft)	42	153	147	4	92	99	14	7	29
95th Queue (ft)	110	407	385	20	251	262	39	29	56
Link Distance (ft)		2182	2182		2494	2494	880	539	
Upstream Blk Time (%)									
Queuing Penalty (veh)									
Storage Bay Dist (ft)	100			200					100
Storage Blk Time (%)	0	6			1				0
Queuing Penalty (veh)	1	5			0				0

Intersection: 12: University Ave. & Allen Blvd

Movement	EB	EB	EB	WB	WB	WB	WB	SB	SB	SB
Directions Served	L	T	T	T	T	R	R	L	L	R
Maximum Queue (ft)	235	192	208	1393	987	322	128	304	334	274
Average Queue (ft)	110	92	101	370	361	104	67	193	200	36
95th Queue (ft)	191	155	168	921	874	325	111	298	304	183
Link Distance (ft)		1909	1909	2771	2771			3465	3465	
Upstream Blk Time (%)				0						
Queuing Penalty (veh)				0						
Storage Bay Dist (ft)	275					300	300			225
Storage Blk Time (%)	0				9				7	
Queuing Penalty (veh)	1				119				11	

Intersection: 13: Century Ave & High Rd

Movement	EB	EB	WB	WB	NB	NB	SB	SB
Directions Served	LT	TR	LT	TR	L	TR	L	TR
Maximum Queue (ft)	269	279	174	179	38	98	93	156
Average Queue (ft)	131	137	57	59	10	40	36	47
95th Queue (ft)	235	235	135	137	31	79	71	103
Link Distance (ft)	1026	1026	1237	1237		1134		1326
Upstream Blk Time (%)								
Queuing Penalty (veh)								
Storage Bay Dist (ft)					100		100	
Storage Blk Time (%)						0	0	1
Queuing Penalty (veh)						0	0	1

Intersection: 14: Century Ave & Frank Lloyd Wright Ave

Movement	EB	EB	EB	WB	WB	WB	NB	NB	SB	SB
Directions Served	L	T	TR	L	T	TR	LT	R	L	TR
Maximum Queue (ft)	56	234	250	140	209	281	101	147	272	217
Average Queue (ft)	23	77	83	47	100	125	50	76	124	43
95th Queue (ft)	51	163	174	100	183	223	91	125	234	111
Link Distance (ft)		1237	1237		1618	1618	558		273	273
Upstream Blk Time (%)									3	0
Queuing Penalty (veh)									0	0
Storage Bay Dist (ft)	200			150				100		
Storage Blk Time (%)		1		0	2		0	3		
Queuing Penalty (veh)		0		0	2		1	3		

Intersection: 21: County Rd M &

Movement	EB	NB	SB
Directions Served	LR	L	TR
Maximum Queue (ft)	243	106	36
Average Queue (ft)	99	46	5
95th Queue (ft)	193	86	23
Link Distance (ft)	2277		2860
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)		200	
Storage Blk Time (%)			
Queuing Penalty (veh)			

Network Summary

Network wide Queuing Penalty: 1740

21: County Rd M & Performance by movement

Movement	EBL	EBR	NBL	NBT	SBT	SBR	All
Delay / Veh (s)	76.0	7.0	10.2	3.1	3.6	2.7	6.6

Queuing and Blocking Report
2024 Build Conditions PM Peak Hour

11/5/2010

Intersection: 21: County Rd M &

Movement	EB	EB	NB	SB
Directions Served	L	R	L	TR
Maximum Queue (ft)	151	75	110	45
Average Queue (ft)	65	32	45	5
95th Queue (ft)	130	55	86	23
Link Distance (ft)	2277			2860
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)		200	200	
Storage Blk Time (%)				
Queuing Penalty (veh)				

1: Century Ave & Allen Ct Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	35.9	45.1	39.9	34.1	30.2	25.4	60.2	2.5	2.7	67.7	66.1	22.9

1: Century Ave & Allen Ct Performance by movement

Movement	All
Delay / Veh (s)	32.3

2: Century Ave & County Rd Q Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	30.9	7.3	5.5	16.9	15.1	9.9	44.0	50.7	8.6	32.9	12.5	25.1

2: Century Ave & County Rd Q Performance by movement

Movement	All
Delay / Veh (s)	18.5

3: County Rd M & County Rd K Performance by movement

Movement	EBL	EBT	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	All
Delay / Veh (s)	44.8	7.4	15.3	6.7	93.4	46.2	9.4	49.6	10.1	28.4	17.0

4: County Rd K & County Rd Q Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	54.3	21.6	10.7	49.9	44.8	21.2	29.9	18.9	5.5	46.9	47.5	17.8

4: County Rd K & County Rd Q Performance by movement

Movement	All
Delay / Veh (s)	34.2

5: Oncken Rd & County Rd M Performance by movement

Movement	EBL	EBT	EBR	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	All
Delay / Veh (s)	41.3	1.3	21.9	31.5	4.6	13.6	3.4	2.3	9.0	2.7	2.7	4.9

6: Indigo Way & Performance by movement

Movement	EBL	EBR	WBL	WBR	NBL	NBT	NBR	SBL	SBT	SBR	All
Delay / Veh (s)	10.3	5.5	13.2	8.0	5.1	1.2	2.0	2.9	1.0	0.1	3.1

7: Balzer Rd & County Rd Q Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	14.4	12.6	6.7	10.8	14.7	5.3	5.7	3.9	0.9	4.9	4.2	3.1

7: Balzer Rd & County Rd Q Performance by movement

Movement	All
Delay / Veh (s)	4.7

8: Oncken Rd & County Rd Q Performance by movement

Movement	WBL	WBT	WBR	NBT	NBR	SBL	SBT	All
Delay / Veh (s)	20.1	1.8	11.5	1.5	0.8	10.5	8.4	7.2

10: Century Ave & Branch St Performance by movement

Movement	EBT	EBR	WBL	WBT	NBL	NBR	All
Delay / Veh (s)	10.1	7.7	13.6	6.6	30.6	9.6	9.2

11: Century Ave & Highland Way Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBR	SBL	SBT	SBR	All
Delay / Veh (s)	23.5	8.8	8.1	2.6	8.4	7.9	52.2	7.4	52.2	40.3	31.6	9.6

12: University Ave. & Allen Blvd Performance by movement

Movement	EBL	EBT	WBT	WBR	SBL	SBR	All
Delay / Veh (s)	30.3	19.5	28.9	6.5	39.1	15.6	28.1

13: Century Ave & High Rd Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	20.2	5.9	4.9	6.0	5.5	4.6	26.9	21.1	6.4	28.5	21.7	11.3

13: Century Ave & High Rd Performance by movement

Movement	All
Delay / Veh (s)	7.9

14: Century Ave & Frank Lloyd Wright Ave Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	8.5	5.4	5.1	9.6	6.9	6.5	28.0	23.2	9.2	35.1	24.0	8.8

14: Century Ave & Frank Lloyd Wright Ave Performance by movement

Movement	All
Delay / Veh (s)	9.4

21: County Rd M & Performance by movement

Movement	EBL	EBR	NBL	NBT	SBT	SBR	All
Delay / Veh (s)	24.3	18.8	33.4	7.7	19.9	16.8	17.5

Total Network Performance

Delay / Veh (s)	59.8
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Queuing and Blocking Report
2024 Build AM Peak Hour

10/18/2010

Intersection: 1: Century Ave & Allen Ct

Movement	EB	EB	EB	WB	WB	WB	NB	NB	NB	NB	SB	SB
Directions Served	LT	T	R	L	LT	TR	L	LT	R	R	L	TR
Maximum Queue (ft)	343	445	374	398	1184	968	100	91	107	112	22	73
Average Queue (ft)	135	152	205	263	353	330	45	40	14	29	3	19
95th Queue (ft)	253	327	354	416	785	716	86	77	63	83	17	50
Link Distance (ft)	1512	1512			2182	2182		1750	1750		175	175
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)			275	325			300			275		
Storage Blk Time (%)		1	8	3	4							
Queuing Penalty (veh)		2	15	35	24							

Intersection: 2: Century Ave & County Rd Q

Movement	EB	EB	EB	WB	WB	WB	NB	NB	SB	SB	SB
Directions Served	L	T	TR	L	T	TR	LT	R	LT	R	R
Maximum Queue (ft)	224	238	195	26	260	277	94	33	152	334	223
Average Queue (ft)	98	51	63	3	117	133	41	3	30	143	139
95th Queue (ft)	186	147	131	17	200	218	82	20	87	253	220
Link Distance (ft)		2494	2494		2504	2504	598			2069	
Upstream Blk Time (%)											
Queuing Penalty (veh)											
Storage Bay Dist (ft)	150			200				50	150		150
Storage Blk Time (%)	7				1		15			6	6
Queuing Penalty (veh)	15				0		1			26	26

Intersection: 3: County Rd M & County Rd K

Movement	EB	EB	EB	WB	WB	NB	SB	SB	SB
Directions Served	L	T	TR	T	R	LTR	L	L	TR
Maximum Queue (ft)	69	146	167	611	108	39	267	260	52
Average Queue (ft)	18	55	62	251	57	10	143	148	12
95th Queue (ft)	49	119	132	518	92	35	230	234	37
Link Distance (ft)		1774		2612	2612	1135		1901	
Upstream Blk Time (%)									
Queuing Penalty (veh)									
Storage Bay Dist (ft)	150		400				400		400
Storage Blk Time (%)		0		18					
Queuing Penalty (veh)		1		0					

Intersection: 4: County Rd K & County Rd Q

Movement	EB	EB	EB	EB	WB	WB	WB	NB	NB	NB	NB	SB
Directions Served	L	L	T	R	L	T	R	L	T	T	R	L
Maximum Queue (ft)	122	119	266	43	81	589	192	92	95	93	8	196
Average Queue (ft)	45	56	131	8	9	319	31	32	34	35	0	33
95th Queue (ft)	91	105	233	32	47	520	135	71	74	77	2	130
Link Distance (ft)			4490			6764			3886			
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	500	500		200	200		200	200		325	325	200
Storage Blk Time (%)				2			23	0				
Queuing Penalty (veh)				3			9	0				

Intersection: 4: County Rd K & County Rd Q

Movement	SB	SB
Directions Served	T	R
Maximum Queue (ft)	692	397
Average Queue (ft)	335	145
95th Queue (ft)	595	288
Link Distance (ft)	1707	1707
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)	25	
Queuing Penalty (veh)	10	

Intersection: 5: Oncken Rd & County Rd M

Movement	EB	WB	NB	SB	SB	SB
Directions Served	LR	LTR	L	L	T	R
Maximum Queue (ft)	143	22	31	30	4	4
Average Queue (ft)	55	2	2	2	0	0
95th Queue (ft)	107	13	16	15	3	0
Link Distance (ft)	7756	607			1867	
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)			50	50		150
Storage Blk Time (%)			0	0		
Queuing Penalty (veh)			0	0		

Intersection: 6: Indigo Way &

Movement	EB	WB	NB	NB	SB
Directions Served	LR	LR	L	T	L
Maximum Queue (ft)	38	114	40	4	50
Average Queue (ft)	17	51	12	0	5
95th Queue (ft)	36	94	39	3	27
Link Distance (ft)	537	537		1824	
Upstream Blk Time (%)					
Queuing Penalty (veh)					
Storage Bay Dist (ft)			150		150
Storage Blk Time (%)					
Queuing Penalty (veh)					

Intersection: 7: Balzer Rd & County Rd Q

Movement	EB	WB	NB	SB
Directions Served	LTR	LTR	LTR	LTR
Maximum Queue (ft)	85	61	106	86
Average Queue (ft)	32	27	16	9
95th Queue (ft)	65	55	60	46
Link Distance (ft)	812	793	3510	1262
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 8: Oncken Rd & County Rd Q

Movement	WB	NB	SB
Directions Served	LR	LTR	LTR
Maximum Queue (ft)	112	8	212
Average Queue (ft)	52	0	37
95th Queue (ft)	93	6	124
Link Distance (ft)	7756	1262	3886
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 10: Century Ave & Branch St

Movement	EB	EB	WB	WB	NB	NB
Directions Served	T	TR	LT	T	L	R
Maximum Queue (ft)	187	213	243	240	77	79
Average Queue (ft)	79	100	100	81	37	35
95th Queue (ft)	148	183	201	191	71	63
Link Distance (ft)	1618	1618	1512	1512	921	
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)						100
Storage Blk Time (%)					0	0
Queuing Penalty (veh)					0	0

Intersection: 11: Century Ave & Highland Way

Movement	EB	EB	EB	WB	WB	NB	SB	SB
Directions Served	L	T	TR	T	TR	LR	LT	R
Maximum Queue (ft)	51	175	174	331	422	55	44	116
Average Queue (ft)	18	50	57	102	135	12	12	45
95th Queue (ft)	44	131	140	249	310	36	39	96
Link Distance (ft)		2182	2182	2494	2494	880	539	
Upstream Blk Time (%)								
Queuing Penalty (veh)								
Storage Bay Dist (ft)	100							100
Storage Blk Time (%)		1		1				2
Queuing Penalty (veh)		0		0				0

Intersection: 12: University Ave. & Allen Blvd

Movement	EB	EB	EB	WB	WB	WB	WB	SB	SB	SB
Directions Served	L	T	T	T	T	R	R	L	L	R
Maximum Queue (ft)	112	227	242	214	228	59	49	679	682	275
Average Queue (ft)	42	126	132	129	131	9	5	394	411	45
95th Queue (ft)	91	195	204	196	200	41	30	618	635	212
Link Distance (ft)		1909	1909	1742	1742			3465	3465	
Upstream Blk Time (%)										
Queuing Penalty (veh)										
Storage Bay Dist (ft)	275					300	300			225
Storage Blk Time (%)		0							26	
Queuing Penalty (veh)		0							25	

Intersection: 13: Century Ave & High Rd

Movement	EB	EB	WB	WB	NB	NB	SB	SB
Directions Served	LT	TR	LT	TR	L	TR	L	TR
Maximum Queue (ft)	116	108	166	196	38	77	85	180
Average Queue (ft)	51	56	58	71	6	17	32	58
95th Queue (ft)	98	99	135	150	24	48	68	117
Link Distance (ft)	1026	1026	1237	1237		1134		1326
Upstream Blk Time (%)								
Queuing Penalty (veh)								
Storage Bay Dist (ft)					100			100
Storage Blk Time (%)						0	0	1
Queuing Penalty (veh)						0	0	1

Intersection: 14: Century Ave & Frank Lloyd Wright Ave

Movement	EB	EB	EB	WB	WB	WB	NB	NB	SB	SB	
Directions Served	L	T	TR	L	T	TR	LT	R	L	TR	
Maximum Queue (ft)	29	102	104	77	166	208	83	58	182	93	
Average Queue (ft)	6	32	40	33	68	86	19	28	74	41	
95th Queue (ft)	24	71	79	65	136	167	54	52	138	80	
Link Distance (ft)		1237	1237		1618	1618	558		273	273	
Upstream Blk Time (%)											
Queuing Penalty (veh)											
Storage Bay Dist (ft)	200				150				100		
Storage Blk Time (%)					0			0			
Queuing Penalty (veh)					0			0			

Intersection: 21: County Rd M &

Movement	EB	EB	NB	NB	SB
Directions Served	L	R	L	T	TR
Maximum Queue (ft)	176	109	79	223	730
Average Queue (ft)	92	49	29	97	325
95th Queue (ft)	152	92	64	190	615
Link Distance (ft)	989			2050	2908
Upstream Blk Time (%)					
Queuing Penalty (veh)					
Storage Bay Dist (ft)		200	200		
Storage Blk Time (%)	0			1	
Queuing Penalty (veh)	0			0	

Network Summary

Network wide Queuing Penalty: 193

5: Oncken Rd & County Rd M Performance by movement

Movement	EBL	EBR	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	All
Delay / Veh (s)	22.0	15.9	30.3	6.1	10.6	3.3	2.0	6.4	2.5	2.8	3.3

21: County Rd M & Performance by movement

Movement	EBL	EBR	NBL	NBT	SBT	SBR	All
Delay / Veh (s)	25.4	18.8	33.1	7.6	17.5	14.5	16.6

Total Network Performance

Delay / Veh (s)	20.9
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Intersection: 5: Oncken Rd & County Rd M

Movement	EB	WB	NB	SB	SB
Directions Served	LR	LTR	L	L	R
Maximum Queue (ft)	78	22	31	30	7
Average Queue (ft)	21	3	2	2	0
95th Queue (ft)	52	15	15	12	4
Link Distance (ft)	3871	607			
Upstream Blk Time (%)					
Queuing Penalty (veh)					
Storage Bay Dist (ft)			50	50	150
Storage Blk Time (%)			0	0	
Queuing Penalty (veh)			0	0	

Intersection: 21: County Rd M &

Movement	EB	EB	NB	NB	SB
Directions Served	L	R	L	T	TR
Maximum Queue (ft)	201	131	111	240	588
Average Queue (ft)	110	53	29	93	265
95th Queue (ft)	178	104	76	179	452
Link Distance (ft)	989			2050	2908
Upstream Blk Time (%)					
Queuing Penalty (veh)					
Storage Bay Dist (ft)		200	200		
Storage Blk Time (%)	0	0		0	
Queuing Penalty (veh)	0	0		0	

Network Summary

Network wide Queuing Penalty: 1

1: Century Ave & Allen Ct Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	44.8	45.9	24.6	52.2	54.3	43.1	69.2	10.2	29.1	52.7	63.3	11.6

1: Century Ave & Allen Ct Performance by movement

Movement	All
Delay / Veh (s)	43.3

2: Century Ave & County Rd Q Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	40.7	9.7	8.8	32.1	29.2	19.7	78.9	89.4	14.6	79.2	60.4	26.1

2: Century Ave & County Rd Q Performance by movement

Movement	All
Delay / Veh (s)	23.0

3: County Rd M & County Rd K Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBT	NBR	SBL	SBT	SBR	All
Delay / Veh (s)	36.7	11.6	6.6	35.5	17.6	5.5	40.9	11.2	34.4	2.5	16.6	16.6

4: County Rd K & County Rd Q Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	45.6	15.5	12.7	53.5	39.2	30.4	47.6	30.0	11.4	48.3	31.1	9.5

4: County Rd K & County Rd Q Performance by movement

Movement	All
Delay / Veh (s)	29.9

5: Oncken Rd & County Rd M Performance by movement

Movement	EBL	EBT	EBR	WBL	WBR	NBL	NBT	NBR	SBL	SBT	SBR	All
Delay / Veh (s)	77.9	0.7	58.4	31.0	16.0	17.0	3.6	3.7	13.2	2.0	2.4	5.7

6: Indigo Way & Performance by movement

Movement	EBL	EBR	WBL	WBR	NBL	NBT	NBR	SBL	SBT	SBR	All
Delay / Veh (s)	10.1	3.9	10.8	6.1	3.6	1.5	1.6	4.6	0.4	0.2	2.2

7: Balzer Rd & County Rd Q Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	19.3	19.1	10.7	16.8	17.2	10.1	4.9	5.8	2.1	7.3	3.3	2.0

7: Balzer Rd & County Rd Q Performance by movement

Movement	All
Delay / Veh (s)	7.1

8: Oncken Rd & County Rd Q Performance by movement

Movement	WBL	WBT	WBR	NBT	NBR	SBL	SBT	All
Delay / Veh (s)	18.1	1.2	13.6	1.6	1.0	8.6	5.9	4.8

10: Century Ave & Branch St Performance by movement

Movement	EBT	EBR	WBL	WBT	NBL	NBR	All
Delay / Veh (s)	25.9	25.5	45.4	18.1	53.1	29.0	26.6

11: Century Ave & Highland Way Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBR	SBL	SBR	All
Delay / Veh (s)	25.3	16.7	15.5	42.9	7.4	8.7	53.0	27.3	69.3	15.7	14.0

12: University Ave. & Allen Blvd Performance by movement

Movement	EBL	EBT	WBT	WBR	SBL	SBT	SBR	All
Delay / Veh (s)	36.0	10.6	39.3	14.3	40.6	1.3	7.7	24.9

13: Century Ave & High Rd Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	26.0	11.1	7.6	31.9	13.1	10.2	23.2	17.6	10.4	25.6	19.4	9.3

13: Century Ave & High Rd Performance by movement

Movement	All
Delay / Veh (s)	13.3

14: Century Ave & Frank Lloyd Wright Ave Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	18.4	11.6	13.4	18.8	16.3	14.9	56.8	42.2	17.5	36.7	26.1	10.6

14: Century Ave & Frank Lloyd Wright Ave Performance by movement

Movement	All
Delay / Veh (s)	17.2

21: County Rd M & Performance by movement

Movement	EBL	EBR	NBL	NBT	SBT	SBR	All
Delay / Veh (s)	26.7	9.1	35.3	14.3	11.9	9.0	15.6

Total Network Performance

Delay / Veh (s)	68.7
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Queuing and Blocking Report
2024 Build Conditions PM Peak Hour

10/30/2010

Intersection: 1: Century Ave & Allen Ct

Movement	EB	EB	EB	WB	WB	WB	NB	NB	NB	NB	SB	SB
Directions Served	LT	T	R	L	LT	TR	L	LT	R	R	L	TR
Maximum Queue (ft)	906	913	375	400	686	603	220	217	575	369	67	56
Average Queue (ft)	507	518	197	294	359	357	128	127	285	272	19	19
95th Queue (ft)	782	798	425	418	570	536	197	200	453	366	49	47
Link Distance (ft)	1512	1512			2182	2182		1750	1750		175	175
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)			275	325			300			275		
Storage Blk Time (%)		30		6	10				6	8		
Queuing Penalty (veh)		69		38	29				30	38		

Intersection: 2: Century Ave & County Rd Q

Movement	EB	EB	EB	WB	WB	WB	NB	NB	SB	SB	SB	
Directions Served	L	T	TR	L	T	TR	LT	R	LT	R	R	
Maximum Queue (ft)	225	801	695	71	336	350	96	25	151	385	225	
Average Queue (ft)	216	397	274	5	160	170	30	2	32	120	97	
95th Queue (ft)	252	740	613	41	284	289	76	14	87	285	197	
Link Distance (ft)		2494	2494		2504	2504	598			2069		
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	150			200				50	150		150	
Storage Blk Time (%)	33	1			5		16			7	6	
Queuing Penalty (veh)	196	8			0		0			19	17	

Intersection: 3: County Rd M & County Rd K

Movement	EB	EB	EB	WB	WB	WB	NB	SB	SB	SB	
Directions Served	L	T	TR	L	T	R	LTR	L	L	TR	
Maximum Queue (ft)	81	200	212	79	569	102	44	255	256	61	
Average Queue (ft)	12	116	123	10	248	49	10	154	154	18	
95th Queue (ft)	50	179	192	41	455	87	34	232	232	48	
Link Distance (ft)		1774			2490	2490	1135		1901		
Upstream Blk Time (%)											
Queuing Penalty (veh)											
Storage Bay Dist (ft)	150		400	50				400		400	
Storage Blk Time (%)		2		0	26						
Queuing Penalty (veh)		10		4	3						

Queuing and Blocking Report
 2024 Build Conditions PM Peak Hour

10/30/2010

Intersection: 4: County Rd K & County Rd Q

Movement	EB	EB	EB	WB	WB	NB	NB	NB	NB	SB	SB	SB
Directions Served	L	L	TR	L	TR	L	T	T	R	L	T	R
Maximum Queue (ft)	265	281	298	60	527	84	194	191	35	118	251	174
Average Queue (ft)	166	171	151	14	266	19	103	102	5	22	118	58
95th Queue (ft)	249	253	259	54	444	57	173	171	21	69	210	129
Link Distance (ft)			4494		6768		3899				1496	1496
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	500	500		75		50		325	325	100		
Storage Blk Time (%)				0	44	4	26			0	15	
Queuing Penalty (veh)				0	7	23	87			0	6	

Intersection: 5: Oncken Rd & County Rd M

Movement	EB	WB	NB	NB	SB	SB
Directions Served	LR	LR	L	R	L	R
Maximum Queue (ft)	169	35	16	4	35	4
Average Queue (ft)	62	8	1	0	5	0
95th Queue (ft)	157	27	10	3	23	3
Link Distance (ft)	7756	607				
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)			50	175	50	150
Storage Blk Time (%)			0		0	
Queuing Penalty (veh)			3		1	

Intersection: 6: Indigo Way &

Movement	EB	WB	NB	NB	NB	SB
Directions Served	LR	LR	L	T	R	L
Maximum Queue (ft)	49	78	24	4	38	52
Average Queue (ft)	21	31	2	0	2	15
95th Queue (ft)	40	57	14	3	16	44
Link Distance (ft)	537	611		1824		
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)			150		150	150
Storage Blk Time (%)						
Queuing Penalty (veh)						

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Intersection: 7: Balzer Rd & County Rd Q

Movement	EB	WB	NB	SB
Directions Served	LTR	LTR	LTR	LTR
Maximum Queue (ft)	140	108	91	166
Average Queue (ft)	56	53	9	30
95th Queue (ft)	106	85	48	102
Link Distance (ft)	812	821	3358	1262
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 8: Oncken Rd & County Rd Q

Movement	WB	NB	SB
Directions Served	LR	LTR	LTR
Maximum Queue (ft)	112	4	140
Average Queue (ft)	58	0	32
95th Queue (ft)	97	3	98
Link Distance (ft)	7756	1262	3899
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 10: Century Ave & Branch St

Movement	EB	EB	WB	WB	NB	NB
Directions Served	T	TR	LT	T	L	R
Maximum Queue (ft)	485	518	478	473	354	175
Average Queue (ft)	307	330	246	224	162	130
95th Queue (ft)	446	477	402	410	306	205
Link Distance (ft)	1618	1618	1512	1512	921	
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)						100
Storage Blk Time (%)					25	17
Queuing Penalty (veh)					71	32

Intersection: 11: Century Ave & Highland Way

Movement	EB	EB	EB	WB	WB	WB	NB	SB	SB
Directions Served	L	T	TR	L	T	TR	LR	LT	R
Maximum Queue (ft)	127	537	516	37	350	363	54	35	74
Average Queue (ft)	40	156	157	3	90	95	15	7	29
95th Queue (ft)	88	419	418	18	252	264	42	27	62
Link Distance (ft)		2182	2182		2494	2494	880	539	
Upstream Blk Time (%)									
Queuing Penalty (veh)									
Storage Bay Dist (ft)	100			200					100
Storage Blk Time (%)	0	6			1				0
Queuing Penalty (veh)	3	5			0				0

Intersection: 12: University Ave. & Allen Blvd

Movement	EB	EB	EB	WB	WB	WB	WB	SB	SB	SB
Directions Served	L	T	T	T	T	R	R	L	L	R
Maximum Queue (ft)	232	186	193	598	600	212	126	355	382	274
Average Queue (ft)	116	92	101	290	287	74	69	201	210	40
95th Queue (ft)	192	153	164	491	501	183	113	319	332	193
Link Distance (ft)		1909	1909	2771	2771			3465	3465	
Upstream Blk Time (%)										
Queuing Penalty (veh)										
Storage Bay Dist (ft)	275					300	300			225
Storage Blk Time (%)	0				5				8	0
Queuing Penalty (veh)	0				62				12	0

Intersection: 13: Century Ave & High Rd

Movement	EB	EB	WB	WB	NB	NB	SB	SB
Directions Served	LT	TR	LT	TR	L	TR	L	TR
Maximum Queue (ft)	265	253	290	313	47	86	114	142
Average Queue (ft)	129	135	122	135	13	35	40	44
95th Queue (ft)	224	216	248	264	36	73	88	96
Link Distance (ft)	1026	1026	1237	1237		1134		1326
Upstream Blk Time (%)								
Queuing Penalty (veh)								
Storage Bay Dist (ft)					100		100	
Storage Blk Time (%)						0	0	1
Queuing Penalty (veh)						0	1	1

Intersection: 14: Century Ave & Frank Lloyd Wright Ave

Movement	EB	EB	EB	WB	WB	WB	NB	NB	SB	SB
Directions Served	L	T	TR	L	T	TR	LT	R	L	TR
Maximum Queue (ft)	78	268	275	134	336	361	184	163	244	108
Average Queue (ft)	24	129	137	46	129	145	76	80	123	47
95th Queue (ft)	59	232	235	100	278	302	146	139	215	96
Link Distance (ft)		1237	1237		1618	1618	558		273	273
Upstream Blk Time (%)									0	
Queuing Penalty (veh)									0	
Storage Bay Dist (ft)	200			150				100		
Storage Blk Time (%)		2		0	7		5	4		
Queuing Penalty (veh)		1		0	7		13	4		

Intersection: 21: County Rd M &

Movement	EB	EB	NB	NB	SB
Directions Served	L	R	L	T	TR
Maximum Queue (ft)	148	90	224	761	398
Average Queue (ft)	79	38	93	272	161
95th Queue (ft)	127	73	186	613	344
Link Distance (ft)	2277			2540	2860
Upstream Blk Time (%)					
Queuing Penalty (veh)					
Storage Bay Dist (ft)		200	200		
Storage Blk Time (%)			0	7	
Queuing Penalty (veh)			2	10	

Network Summary

Network wide Queuing Penalty: 810

5: Oncken Rd & County Rd M Performance by movement

Movement	EBL	EBR	WBL	WBR	NBL	NBT	NBR	SBL	SBT	SBR	All
Delay / Veh (s)	42.6	29.0	26.4	12.4	10.1	3.6	3.5	15.1	1.9	2.2	3.9

21: County Rd M & Performance by movement

Movement	EBL	EBR	NBL	NBT	SBT	SBR	All
Delay / Veh (s)	29.1	8.5	37.8	15.0	11.5	8.5	16.3

Total Network Performance

Delay / Veh (s)	20.1
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Intersection: 5: Oncken Rd & County Rd M

Movement	EB	WB	NB	SB
Directions Served	LR	LR	L	L
Maximum Queue (ft)	92	36	10	30
Average Queue (ft)	32	8	0	4
95th Queue (ft)	68	26	6	20
Link Distance (ft)	3871	607		
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)			50	50
Storage Blk Time (%)			0	0
Queuing Penalty (veh)			0	0

Intersection: 21: County Rd M &

Movement	EB	EB	NB	NB	SB
Directions Served	L	R	L	T	TR
Maximum Queue (ft)	213	121	224	672	382
Average Queue (ft)	95	35	97	273	155
95th Queue (ft)	167	79	197	519	281
Link Distance (ft)	2277			2540	2860
Upstream Blk Time (%)					
Queuing Penalty (veh)					
Storage Bay Dist (ft)		200	200		
Storage Blk Time (%)	1	0	0	8	
Queuing Penalty (veh)	1	0	1	11	

Network Summary

Network wide Queuing Penalty: 14

1: Century Ave & Allen Ct Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	35.1	40.9	38.6	23.4	18.8	12.9	62.8	2.5	2.3	67.9	76.7	8.6

1: Century Ave & Allen Ct Performance by movement

Movement	All
Delay / Veh (s)	25.0

2: Century Ave & County Rd Q Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	13.6	5.8	4.5	14.4	9.4	5.4	41.7	46.7	9.8	32.1	28.8	29.8

2: Century Ave & County Rd Q Performance by movement

Movement	All
Delay / Veh (s)	15.4

5: Oncken Rd & County Rd M Performance by movement

Movement	EBL	EBT	EBR	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	All
Delay / Veh (s)	12.7	0.4	6.3	9.8	4.0	8.4	0.9	2.9	4.3	2.0	2.1	1.9

6: Indigo Way & Performance by movement

Movement	EBL	EBR	NBL	NBT	SBT	SBR	All
Delay / Veh (s)	5.8	3.4	3.1	0.7	0.8	0.1	1.0

7: Balzer Rd & County Rd Q Performance by movement

Movement	EBL	EBR	NBL	NBT	SBT	SBR	All
Delay / Veh (s)	7.8	3.6	2.9	2.4	1.6	1.1	2.1

8: Oncken Rd & County Rd Q Performance by movement

Movement	WBL	WBT	WBR	NBT	NBR	SBL	SBT	All
Delay / Veh (s)	8.3	0.8	5.3	0.6	0.3	4.0	1.6	1.7

10: Century Ave & Branch St Performance by movement

Movement	EBT	EBR	WBL	WBT	NBL	NBR	All
Delay / Veh (s)	8.7	7.1	10.3	4.4	30.8	8.8	7.8

11: Century Ave & Highland Way Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBR	SBL	SBT	SBR	All
Delay / Veh (s)	21.9	7.3	6.4	5.4	6.8	3.5	50.1	9.3	50.8	47.3	19.8	8.0

12: University Ave. & Allen Blvd Performance by movement

Movement	EBL	EBT	WBT	WBR	SBL	SBR	All
Delay / Veh (s)	33.8	18.9	26.2	2.8	32.4	13.4	24.3

13: Century Ave & High Rd Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	18.2	5.6	2.9	6.8	4.6	3.0	32.2	24.6	6.5	28.1	23.5	9.1

13: Century Ave & High Rd Performance by movement

Movement	All
Delay / Veh (s)	7.7

14: Century Ave & Frank Lloyd Wright Ave Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	8.4	5.3	4.1	8.2	5.8	5.0	44.5	23.9	8.1	39.8	24.9	7.2

14: Century Ave & Frank Lloyd Wright Ave Performance by movement

Movement	All
Delay / Veh (s)	9.7

Total Network Performance

Delay / Veh (s)	40.5
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Queuing and Blocking Report
 2024 No Build AM Peak Hour with North Mendota Pkwy

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Intersection: 1: Century Ave & Allen Ct

Movement	EB	EB	EB	WB	WB	WB	NB	NB	NB	NB	SB	SB
Directions Served	LT	T	R	L	LT	TR	L	LT	R	R	L	TR
Maximum Queue (ft)	380	433	366	311	335	332	102	95	83	78	33	63
Average Queue (ft)	98	124	189	186	195	163	43	41	9	12	3	14
95th Queue (ft)	230	340	333	305	317	296	84	78	49	53	18	42
Link Distance (ft)	1512	1512			2182	2182		1750	1750		175	175
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)			275	325			300			275		
Storage Blk Time (%)			7	0	0							
Queuing Penalty (veh)			10	1	1							

Intersection: 2: Century Ave & County Rd Q

Movement	EB	EB	EB	WB	WB	WB	NB	NB	SB	SB	SB	
Directions Served	L	T	TR	L	T	TR	LT	R	LT	R	R	
Maximum Queue (ft)	101	94	123	22	153	166	105	42	89	270	215	
Average Queue (ft)	45	34	51	3	68	83	46	3	25	114	113	
95th Queue (ft)	82	74	95	14	123	140	90	22	64	212	196	
Link Distance (ft)		2494	2494		2504	2504	598			2069		
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	150			200				50	150		150	
Storage Blk Time (%)							19			4	4	
Queuing Penalty (veh)							1			12	13	

Intersection: 5: Oncken Rd & County Rd M

Movement	EB	WB	NB	SB
Directions Served	LR	LTR	L	L
Maximum Queue (ft)	54	17	30	31
Average Queue (ft)	17	2	2	1
95th Queue (ft)	44	12	14	11
Link Distance (ft)	7764	607		
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)			50	50
Storage Blk Time (%)			0	0
Queuing Penalty (veh)			0	0

Queuing and Blocking Report
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Intersection: 6: Indigo Way &

Movement	EB	NB
Directions Served	LR	LT
Maximum Queue (ft)	44	36
Average Queue (ft)	19	9
95th Queue (ft)	37	32
Link Distance (ft)	544	1830
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 7: Balzer Rd & County Rd Q

Movement	EB	NB
Directions Served	LR	LT
Maximum Queue (ft)	51	61
Average Queue (ft)	26	10
95th Queue (ft)	50	39
Link Distance (ft)	812	3516
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 8: Oncken Rd & County Rd Q

Movement	WB	SB
Directions Served	LR	LT
Maximum Queue (ft)	49	105
Average Queue (ft)	20	10
95th Queue (ft)	49	50
Link Distance (ft)	7764	2422
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Queuing and Blocking Report
 2024 No Build AM Peak Hour with North Mendota Pkwy

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Intersection: 10: Century Ave & Branch St

Movement	EB	EB	WB	WB	NB	NB
Directions Served	T	TR	LT	T	L	R
Maximum Queue (ft)	118	177	168	145	102	68
Average Queue (ft)	59	85	72	46	38	32
95th Queue (ft)	117	158	138	114	78	57
Link Distance (ft)	1618	1618	1512	1512	921	
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)						100
Storage Blk Time (%)					1	0
Queuing Penalty (veh)					1	0

Intersection: 11: Century Ave & Highland Way

Movement	EB	EB	EB	WB	WB	WB	NB	SB	SB
Directions Served	L	T	TR	L	T	TR	LR	LT	R
Maximum Queue (ft)	63	128	130	14	297	324	52	46	80
Average Queue (ft)	18	30	34	1	90	111	12	12	36
95th Queue (ft)	48	88	93	7	226	262	36	38	69
Link Distance (ft)		2182	2182		2494	2494	880	539	
Upstream Blk Time (%)									
Queuing Penalty (veh)									
Storage Bay Dist (ft)	100			200					100
Storage Blk Time (%)		0			1				0
Queuing Penalty (veh)		0			0				0

Intersection: 12: University Ave. & Allen Blvd

Movement	EB	EB	EB	WB	WB	WB	WB	SB	SB	SB
Directions Served	L	T	T	T	T	R	R	L	L	R
Maximum Queue (ft)	110	236	239	211	206	62	36	548	570	275
Average Queue (ft)	44	124	128	119	122	7	2	310	326	59
95th Queue (ft)	92	193	203	183	183	37	18	490	510	243
Link Distance (ft)		1909	1909	2326	2326			3465	3465	
Upstream Blk Time (%)										
Queuing Penalty (veh)										
Storage Bay Dist (ft)	275					300	300			225
Storage Blk Time (%)		0							18	0
Queuing Penalty (veh)		0							17	0

Queuing and Blocking Report
 2024 No Build AM Peak Hour with North Mendota Pkwy

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Intersection: 13: Century Ave & High Rd

Movement	EB	EB	WB	WB	NB	NB	SB	SB
Directions Served	LT	TR	LT	TR	L	TR	L	TR
Maximum Queue (ft)	123	112	123	159	35	65	99	114
Average Queue (ft)	46	50	41	55	6	19	32	48
95th Queue (ft)	99	94	96	123	25	48	74	85
Link Distance (ft)	1026	1026	1237	1237		1134		1326
Upstream Blk Time (%)								
Queuing Penalty (veh)								
Storage Bay Dist (ft)					100		100	
Storage Blk Time (%)							0	0
Queuing Penalty (veh)							0	0

Intersection: 14: Century Ave & Frank Lloyd Wright Ave

Movement	EB	EB	EB	WB	WB	WB	NB	NB	SB	SB
Directions Served	L	T	TR	L	T	TR	LT	R	L	TR
Maximum Queue (ft)	30	107	96	79	134	142	50	58	174	118
Average Queue (ft)	8	27	34	29	38	56	17	24	77	44
95th Queue (ft)	27	67	71	62	93	117	48	51	143	85
Link Distance (ft)		1237	1237		1618	1618	558		273	273
Upstream Blk Time (%)										
Queuing Penalty (veh)										
Storage Bay Dist (ft)	200			150				100		
Storage Blk Time (%)						0				
Queuing Penalty (veh)						0				

Network Summary

Network wide Queuing Penalty: 56

1: Century Ave & Allen Ct Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	31.6	30.8	9.6	40.7	40.4	32.2	63.8	7.3	19.7	56.7	52.7	8.9

1: Century Ave & Allen Ct Performance by movement

Movement	All
Delay / Veh (s)	31.0

2: Century Ave & County Rd Q Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	15.3	5.7	7.9	14.9	10.9	6.5	76.0	91.3	10.8	74.5	65.1	47.8

2: Century Ave & County Rd Q Performance by movement

Movement	All
Delay / Veh (s)	14.1

5: Oncken Rd & County Rd M Performance by movement

Movement	EBL	EBT	EBR	WBL	WBR	NBL	NBT	NBR	SBL	SBT	SBR	All
Delay / Veh (s)	21.1	0.3	6.3	17.5	7.2	9.3	1.5	3.0	7.3	1.3	1.2	2.0

6: Indigo Way & Performance by movement

Movement	EBL	EBR	NBL	NBT	SBT	SBR	All
Delay / Veh (s)	5.4	2.4	2.7	0.7	0.1	0.0	0.8

7: Balzer Rd & County Rd Q Performance by movement

Movement	EBL	EBR	NBL	NBT	SBT	SBR	All
Delay / Veh (s)	9.2	4.1	2.4	3.7	0.8	0.5	3.2

8: Oncken Rd & County Rd Q Performance by movement

Movement	WBL	WBR	NBT	NBR	SBL	SBT	All
Delay / Veh (s)	8.1	4.8	0.9	0.6	3.1	0.6	1.4

10: Century Ave & Branch St Performance by movement

Movement	EBT	EBR	WBL	WBT	NBL	NBR	All
Delay / Veh (s)	17.3	15.8	26.4	11.0	27.4	16.0	16.8

11: Century Ave & Highland Way Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBR	SBL	SBR	All
Delay / Veh (s)	17.8	12.5	9.0	14.6	5.3	2.5	51.2	25.7	49.9	10.7	10.5

12: University Ave. & Allen Blvd Performance by movement

Movement	EBL	EBT	WBT	WBR	SBL	SBT	SBR	All
Delay / Veh (s)	33.1	9.5	34.0	17.7	37.2	1.2	6.4	23.5

13: Century Ave & High Rd Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	17.1	8.3	5.2	13.8	5.0	3.3	27.1	18.8	10.1	24.7	18.0	5.9

13: Century Ave & High Rd Performance by movement

Movement	All
Delay / Veh (s)	9.1

14: Century Ave & Frank Lloyd Wright Ave Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	12.1	5.3	4.5	11.4	9.5	8.2	19.7	22.5	11.9	41.0	17.2	5.1

14: Century Ave & Frank Lloyd Wright Ave Performance by movement

Movement	All
Delay / Veh (s)	11.6

Total Network Performance

Delay / Veh (s)	45.5
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Queuing and Blocking Report
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Intersection: 1: Century Ave & Allen Ct

Movement	EB	EB	EB	WB	WB	WB	NB	NB	NB	NB	SB	SB
Directions Served	LT	T	R	L	LT	TR	L	LT	R	R	L	TR
Maximum Queue (ft)	462	488	329	326	352	359	225	230	349	339	58	63
Average Queue (ft)	280	285	84	192	214	209	117	116	181	193	17	20
95th Queue (ft)	419	437	227	294	320	327	208	203	291	294	46	47
Link Distance (ft)	1512	1512			2182	2182		1750	1750		175	175
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)			275	325			300			275		
Storage Blk Time (%)		7		0	1		0	0	1	1		
Queuing Penalty (veh)		16		1	1		0	0	4	5		

Intersection: 2: Century Ave & County Rd Q

Movement	EB	EB	EB	WB	WB	WB	NB	NB	SB	SB	SB	
Directions Served	L	T	TR	L	T	TR	LT	R	LT	R	R	
Maximum Queue (ft)	224	287	240	21	161	172	92	20	111	250	202	
Average Queue (ft)	106	78	91	1	63	72	30	2	35	89	86	
95th Queue (ft)	190	189	190	9	132	145	72	15	87	176	164	
Link Distance (ft)		2494	2494		2504	2504	598			2069		
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	150			200				50	150		150	
Storage Blk Time (%)	3	0					16		0	4	4	
Queuing Penalty (veh)	12	1					0		0	7	6	

Intersection: 5: Oncken Rd & County Rd M

Movement	EB	WB	NB	SB
Directions Served	LR	LR	L	L
Maximum Queue (ft)	66	27	12	31
Average Queue (ft)	20	6	0	3
95th Queue (ft)	49	23	7	19
Link Distance (ft)	7764	607		
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)			50	50
Storage Blk Time (%)			0	0
Queuing Penalty (veh)			0	0

Intersection: 6: Indigo Way &

Movement	EB	NB
Directions Served	LR	LT
Maximum Queue (ft)	41	29
Average Queue (ft)	20	2
95th Queue (ft)	36	15
Link Distance (ft)	544	1830
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 7: Balzer Rd & County Rd Q

Movement	EB	NB
Directions Served	LR	LT
Maximum Queue (ft)	78	37
Average Queue (ft)	39	3
95th Queue (ft)	64	20
Link Distance (ft)	812	3516
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 8: Oncken Rd & County Rd Q

Movement	WB	SB
Directions Served	LR	LT
Maximum Queue (ft)	61	36
Average Queue (ft)	31	4
95th Queue (ft)	59	23
Link Distance (ft)	7764	1783
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Queuing and Blocking Report
 2024 No Build Conditions PM Peak Hour with North Mendota Pkwy

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Intersection: 10: Century Ave & Branch St

Movement	EB	EB	WB	WB	NB	NB
Directions Served	T	TR	LT	T	L	R
Maximum Queue (ft)	344	352	262	259	238	171
Average Queue (ft)	160	177	139	113	93	83
95th Queue (ft)	287	307	237	220	175	149
Link Distance (ft)	1618	1618	1512	1512	921	
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)						100
Storage Blk Time (%)					7	4
Queuing Penalty (veh)					19	8

Intersection: 11: Century Ave & Highland Way

Movement	EB	EB	EB	WB	WB	WB	NB	SB	SB
Directions Served	L	T	TR	L	T	TR	LR	LT	R
Maximum Queue (ft)	105	366	391	29	204	210	63	40	60
Average Queue (ft)	33	98	105	4	57	62	16	5	28
95th Queue (ft)	75	273	287	20	160	171	44	24	52
Link Distance (ft)		2182	2182		2494	2494	880	539	
Upstream Blk Time (%)									
Queuing Penalty (veh)									
Storage Bay Dist (ft)	100			200					100
Storage Blk Time (%)	0	4			0				
Queuing Penalty (veh)	1	4			0				

Intersection: 12: University Ave. & Allen Blvd

Movement	EB	EB	EB	WB	WB	WB	SB	SB	SB
Directions Served	L	T	T	T	T	R	L	L	R
Maximum Queue (ft)	232	168	179	438	424	278	283	290	162
Average Queue (ft)	107	88	95	247	246	29	167	168	11
95th Queue (ft)	188	150	161	368	372	188	254	259	86
Link Distance (ft)		1909	1909	3601	3601		3465	3465	
Upstream Blk Time (%)									
Queuing Penalty (veh)									
Storage Bay Dist (ft)	275					200			225
Storage Blk Time (%)	0				13			2	
Queuing Penalty (veh)	0				144			3	

Queuing and Blocking Report
 2024 No Build Conditions PM Peak Hour with North Mendota Pkwy

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Intersection: 13: Century Ave & High Rd

Movement	EB	EB	WB	WB	NB	NB	SB	SB
Directions Served	LT	TR	LT	TR	L	TR	L	TR
Maximum Queue (ft)	178	177	123	114	47	109	87	98
Average Queue (ft)	89	89	35	40	12	40	33	39
95th Queue (ft)	147	149	89	90	35	84	73	77
Link Distance (ft)	1026	1026	1237	1237		1134		1326
Upstream Blk Time (%)								
Queuing Penalty (veh)								
Storage Bay Dist (ft)					100		100	
Storage Blk Time (%)						0	0	0
Queuing Penalty (veh)						0	0	0

Intersection: 14: Century Ave & Frank Lloyd Wright Ave

Movement	EB	EB	EB	WB	WB	WB	NB	NB	SB	SB
Directions Served	L	T	TR	L	T	TR	LT	R	L	TR
Maximum Queue (ft)	73	126	141	82	173	216	114	137	210	100
Average Queue (ft)	21	38	42	33	59	80	50	54	104	41
95th Queue (ft)	52	89	96	66	125	160	92	98	184	77
Link Distance (ft)		1237	1237		1618	1618	558		273	273
Upstream Blk Time (%)										0
Queuing Penalty (veh)										0
Storage Bay Dist (ft)	200			150				100		
Storage Blk Time (%)					0		1	1		
Queuing Penalty (veh)					0		1	1		

Network Summary

Network wide Queuing Penalty: 238

1: Century Ave & Allen Ct Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	3.8	43.6	45.2	28.3	24.7	22.7	54.3	4.9	2.8	56.9	58.5	12.8

1: Century Ave & Allen Ct Performance by movement

Movement	All
Delay / Veh (s)	29.0

2: Century Ave & County Rd Q Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	21.0	6.7	5.8	17.0	13.3	9.3	45.2	44.7	9.6	29.2		27.1

2: Century Ave & County Rd Q Performance by movement

Movement	All
Delay / Veh (s)	17.2

5: Oncken Rd & County Rd M Performance by movement

Movement	EBL	EBR	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	All
Delay / Veh (s)	29.4	25.2	29.0	10.7	9.8	2.8	1.8	6.3	3.3	3.6	5.7

6: Indigo Way & Performance by movement

Movement	EBL	EBR	WBL	WBR	NBL	NBT	NBR	SBL	SBT	SBR	All
Delay / Veh (s)	8.1	5.0	11.7	6.4	4.8	1.1	1.9	4.4	0.9	1.7	3.1

7: Balzer Rd & County Rd Q Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	9.4	9.3	4.6	8.1	9.5	4.3	3.0	3.1	0.7	4.6	1.7	1.0

7: Balzer Rd & County Rd Q Performance by movement

Movement	All
Delay / Veh (s)	2.9

8: Oncken Rd & County Rd Q Performance by movement

Movement	WBL	WBT	WBR	NBT	NBR	SBL	SBT	All
Delay / Veh (s)	10.3	0.9	7.1	1.1	0.6	3.6	1.6	2.3

10: Century Ave & Branch St Performance by movement

Movement	EBT	EBR	WBL	WBT	NBL	NBR	All
Delay / Veh (s)	10.2	8.8	11.6	5.8	30.4	9.3	8.8

11: Century Ave & Highland Way Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBR	SBL	SBT	SBR	All
Delay / Veh (s)	21.9	8.2	7.4	11.7	7.4	4.6	52.7	14.0	53.4	37.7	26.2	8.7

12: University Ave. & Allen Blvd Performance by movement

Movement	EBL	EBT	WBT	WBR	SBL	SBR	All
Delay / Veh (s)	32.1	19.8	26.8	3.9	42.9	19.1	29.3

13: Century Ave & High Rd Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	18.8	5.9	3.3	9.8	5.2	4.5	25.3	19.7	5.2	27.4	21.7	10.2

13: Century Ave & High Rd Performance by movement

Movement	All
Delay / Veh (s)	7.9

14: Century Ave & Frank Lloyd Wright Ave Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	9.5	5.3	3.2	9.3	6.4	6.1	13.8	24.3	8.6	37.3	20.8	7.0

14: Century Ave & Frank Lloyd Wright Ave Performance by movement

Movement	All
Delay / Veh (s)	9.4

21: County Rd M & Performance by movement

Movement	EBL	EBR	NBL	NBT	SBT	SBR	All
Delay / Veh (s)	30.8	14.3	7.6	1.8	4.2	3.5	6.3

Total Network Performance

Delay / Veh (s)	47.4
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Queuing and Blocking Report
 2024 Build AM Peak Hour with North Mendota Pkwy

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Intersection: 1: Century Ave & Allen Ct

Movement	EB	EB	EB	WB	WB	WB	NB	NB	NB	NB	SB	SB
Directions Served	LT	T	R	L	LT	TR	L	LT	R	R	L	TR
Maximum Queue (ft)	408	529	351	386	432	442	104	95	86	81	27	61
Average Queue (ft)	126	167	214	238	250	234	40	37	15	23	5	14
95th Queue (ft)	252	410	360	381	399	403	79	73	59	70	21	42
Link Distance (ft)	1512	1512			2182	2182		1750	1750		175	175
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)			275	325			300			275		
Storage Blk Time (%)		0	10	1	2							
Queuing Penalty (veh)		0	17	15	10							

Intersection: 2: Century Ave & County Rd Q

Movement	EB	EB	EB	WB	WB	WB	NB	NB	SB	SB	SB	
Directions Served	L	T	TR	L	T	TR	LT	R	LT	R	R	
Maximum Queue (ft)	185	99	118	21	215	251	112	54	106	474	214	
Average Queue (ft)	80	41	57	2	105	126	42	3	27	140	121	
95th Queue (ft)	146	82	97	13	182	215	88	25	81	344	209	
Link Distance (ft)		2494	2494		2504	2504	598			2069		
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	150			200				50	150		150	
Storage Blk Time (%)	1				0		18			6	6	
Queuing Penalty (veh)	3				0		1			22	23	

Intersection: 5: Oncken Rd & County Rd M

Movement	EB	WB	NB	SB	SB
Directions Served	LR	LTR	L	L	R
Maximum Queue (ft)	165	22	25	18	8
Average Queue (ft)	68	2	2	1	0
95th Queue (ft)	127	13	15	9	4
Link Distance (ft)	7764	607			
Upstream Blk Time (%)					
Queuing Penalty (veh)					
Storage Bay Dist (ft)			50	50	150
Storage Blk Time (%)			0	0	
Queuing Penalty (veh)			0	0	

Intersection: 6: Indigo Way &

Movement	EB	WB	NB	SB
Directions Served	LR	LR	L	L
Maximum Queue (ft)	53	110	43	43
Average Queue (ft)	19	47	11	4
95th Queue (ft)	39	86	35	23
Link Distance (ft)	537	753		
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)			300	200
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 7: Balzer Rd & County Rd Q

Movement	EB	WB	NB	SB
Directions Served	LTR	LTR	LTR	LTR
Maximum Queue (ft)	67	64	64	54
Average Queue (ft)	30	25	9	7
95th Queue (ft)	55	52	37	33
Link Distance (ft)	812	763	3144	1257
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 8: Oncken Rd & County Rd Q

Movement	WB	NB	SB
Directions Served	LR	TR	LT
Maximum Queue (ft)	82	4	78
Average Queue (ft)	41	0	12
95th Queue (ft)	73	3	48
Link Distance (ft)	7764	1257	1757
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Queuing and Blocking Report
 2024 Build AM Peak Hour with North Mendota Pkwy

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Intersection: 10: Century Ave & Branch St

Movement	EB	EB	WB	WB	NB	NB
Directions Served	T	TR	LT	T	L	R
Maximum Queue (ft)	169	212	203	180	85	88
Average Queue (ft)	77	106	90	67	35	34
95th Queue (ft)	145	189	164	151	67	61
Link Distance (ft)	1618	1618	1512	1512	921	
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)						100
Storage Blk Time (%)					0	0
Queuing Penalty (veh)					0	0

Intersection: 11: Century Ave & Highland Way

Movement	EB	EB	EB	WB	WB	WB	NB	SB	SB
Directions Served	L	T	TR	L	T	TR	LR	LT	R
Maximum Queue (ft)	68	140	137	11	283	337	59	44	102
Average Queue (ft)	19	43	45	1	94	122	12	11	41
95th Queue (ft)	51	110	109	7	210	260	41	38	82
Link Distance (ft)		2182	2182		2494	2494	880	539	
Upstream Blk Time (%)									
Queuing Penalty (veh)									
Storage Bay Dist (ft)	100			200					100
Storage Blk Time (%)	0	1			1				1
Queuing Penalty (veh)	0	0			0				0

Intersection: 12: University Ave. & Allen Blvd

Movement	EB	EB	EB	WB	WB	SB	SB	SB
Directions Served	L	T	T	T	T	L	L	R
Maximum Queue (ft)	113	242	256	218	204	671	681	275
Average Queue (ft)	40	129	136	119	123	411	424	60
95th Queue (ft)	87	200	208	184	186	648	667	246
Link Distance (ft)		1909	1909	2326	2326	3465	3465	
Upstream Blk Time (%)								
Queuing Penalty (veh)								
Storage Bay Dist (ft)	275							225
Storage Blk Time (%)		0			0		29	
Queuing Penalty (veh)		0			1		28	

Queuing and Blocking Report
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Intersection: 13: Century Ave & High Rd

Movement	EB	EB	WB	WB	NB	NB	SB	SB
Directions Served	LT	TR	LT	TR	L	TR	L	TR
Maximum Queue (ft)	111	102	172	164	38	64	85	166
Average Queue (ft)	49	51	50	60	6	19	37	54
95th Queue (ft)	93	94	120	128	25	49	71	111
Link Distance (ft)	1026	1026	1237	1237		1134		1326
Upstream Blk Time (%)								
Queuing Penalty (veh)								
Storage Bay Dist (ft)					100		100	
Storage Blk Time (%)							0	1
Queuing Penalty (veh)							0	1

Intersection: 14: Century Ave & Frank Lloyd Wright Ave

Movement	EB	EB	EB	WB	WB	WB	NB	NB	SB	SB
Directions Served	L	T	TR	L	T	TR	LT	R	L	TR
Maximum Queue (ft)	30	100	103	93	164	179	61	56	178	94
Average Queue (ft)	7	32	37	34	53	69	18	24	79	37
95th Queue (ft)	26	76	78	72	121	137	49	49	148	74
Link Distance (ft)		1237	1237		1618	1618	558		273	273
Upstream Blk Time (%)										
Queuing Penalty (veh)										
Storage Bay Dist (ft)	200			150				100		
Storage Blk Time (%)						0				
Queuing Penalty (veh)						0				

Intersection: 21: County Rd M &

Movement	EB	EB	NB	SB
Directions Served	L	R	L	TR
Maximum Queue (ft)	144	125	58	13
Average Queue (ft)	57	51	19	0
95th Queue (ft)	116	91	46	6
Link Distance (ft)	1351			2907
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)		200	200	
Storage Blk Time (%)				
Queuing Penalty (veh)				

Network Summary

Network wide Queuing Penalty: 121

1: Century Ave & Allen Ct Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	31.8	36.4	17.5	46.4	45.4	45.0	63.3	8.8	27.4	57.8	65.7	15.7

1: Century Ave & Allen Ct Performance by movement

Movement	All
Delay / Veh (s)	36.6

2: Century Ave & County Rd Q Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	24.0	7.0	6.7	30.6	21.4	15.6	60.4	58.3	11.7	57.7	50.9	23.7

2: Century Ave & County Rd Q Performance by movement

Movement	All
Delay / Veh (s)	15.8

5: Oncken Rd & County Rd M Performance by movement

Movement	EBL	EBR	WBL	WBR	NBL	NBT	NBR	SBL	SBT	SBR	All
Delay / Veh (s)	64.2	40.6	17.8	10.3	6.4	2.7	2.3	10.7	2.4	4.7	7.2

6: Indigo Way & Performance by movement

Movement	EBL	EBR	WBL	WBR	NBL	NBT	NBR	SBL	SBT	SBR	All
Delay / Veh (s)	6.7	3.4	8.8	4.7	3.0	1.1	1.4	3.3	0.3	0.0	1.9

7: Balzer Rd & County Rd Q Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	11.8	12.9	6.2	12.8	12.7	7.4	3.1	4.6	1.3	5.1	1.6	1.0

7: Balzer Rd & County Rd Q Performance by movement

Movement	All
Delay / Veh (s)	5.1

8: Oncken Rd & County Rd Q Performance by movement

Movement	WBL	WBT	WBR	NBT	NBR	SBL	SBT	All
Delay / Veh (s)	12.6	0.9	7.8	1.1	0.7	4.4	1.1	2.4

10: Century Ave & Branch St Performance by movement

Movement	EBT	EBR	WBL	WBT	NBL	NBR	All
Delay / Veh (s)	23.2	23.3	35.2	14.0	47.4	25.0	23.1

11: Century Ave & Highland Way Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBR	SBL	SBR	All
Delay / Veh (s)	21.8	13.6	15.6	28.5	5.9	5.7	53.7	23.3	41.0	13.9	11.4

12: University Ave. & Allen Blvd Performance by movement

Movement	EBL	EBT	WBT	WBR	SBL	SBT	SBR	All
Delay / Veh (s)	35.0	9.4	36.9	24.3	42.2	1.3	8.2	27.4

13: Century Ave & High Rd Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	22.3	10.2	6.2	24.8	12.2	9.4	25.3	20.0	11.5	25.5	19.9	7.9

13: Century Ave & High Rd Performance by movement

Movement	All
Delay / Veh (s)	12.7

14: Century Ave & Frank Lloyd Wright Ave Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	16.2	11.2	12.1	15.8	14.1	12.5	52.8	44.0	15.7	35.1	27.5	10.6

14: Century Ave & Frank Lloyd Wright Ave Performance by movement

Movement	All
Delay / Veh (s)	16.3

21: County Rd M & Performance by movement

Movement	EBL	EBR	NBL	NBT	SBT	SBR	All
Delay / Veh (s)	43.5	9.6	10.9	3.0	3.1	2.5	5.3

Total Network Performance

Delay / Veh (s)	56.3
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Queuing and Blocking Report
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Intersection: 1: Century Ave & Allen Ct

Movement	EB	EB	EB	WB	WB	WB	NB	NB	NB	NB	B46	SB
Directions Served	LT	T	R	L	LT	TR	L	LT	R	R	T	L
Maximum Queue (ft)	682	737	375	390	512	492	216	373	532	375	5	60
Average Queue (ft)	386	402	158	257	290	286	120	126	271	267	0	20
95th Queue (ft)	597	633	393	375	430	419	190	250	432	376	4	51
Link Distance (ft)	1512	1512			2182	2182		1750	1750		3465	175
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)			275	325			300			275		
Storage Blk Time (%)		20	0	2	4				5	7		
Queuing Penalty (veh)		47	0	16	12				26	33		

Intersection: 1: Century Ave & Allen Ct

Movement	SB
Directions Served	TR
Maximum Queue (ft)	57
Average Queue (ft)	21
95th Queue (ft)	54
Link Distance (ft)	175
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 2: Century Ave & County Rd Q

Movement	EB	EB	EB	WB	WB	WB	NB	NB	SB	SB	SB	
Directions Served	L	T	TR	L	T	TR	LT	R	LT	R	R	
Maximum Queue (ft)	225	475	375	22	237	251	67	31	90	201	191	
Average Queue (ft)	179	149	120	3	124	134	22	3	32	91	91	
95th Queue (ft)	259	377	287	14	216	225	56	20	72	166	164	
Link Distance (ft)		2494	2494		2504	2504	598			2069		
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	150			200				50	150		150	
Storage Blk Time (%)	15	1			1		7			2	1	
Queuing Penalty (veh)	84	3			0		0			4	3	

Intersection: 5: Oncken Rd & County Rd M

Movement	EB	WB	NB	SB
Directions Served	LR	LR	L	L
Maximum Queue (ft)	240	29	20	26
Average Queue (ft)	94	7	1	4
95th Queue (ft)	204	24	10	20
Link Distance (ft)	7764	607		
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)			50	50
Storage Blk Time (%)			0	0
Queuing Penalty (veh)			0	0

Intersection: 6: Indigo Way &

Movement	EB	WB	NB	NB	SB
Directions Served	LR	LR	L	R	L
Maximum Queue (ft)	50	83	25	11	39
Average Queue (ft)	21	33	3	0	12
95th Queue (ft)	40	61	17	6	36
Link Distance (ft)	537	743			
Upstream Blk Time (%)					
Queuing Penalty (veh)					
Storage Bay Dist (ft)			300	300	200
Storage Blk Time (%)					
Queuing Penalty (veh)					

Intersection: 7: Balzer Rd & County Rd Q

Movement	EB	WB	NB	SB
Directions Served	LTR	LTR	LTR	LTR
Maximum Queue (ft)	82	104	51	107
Average Queue (ft)	43	47	6	20
95th Queue (ft)	70	83	28	68
Link Distance (ft)	812	704	3371	1257
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

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 2024 Build Conditions PM Peak Hour with North Mendota Pkwy

11/6/2010

Intersection: 8: Oncken Rd & County Rd Q

Movement	WB	NB	SB
Directions Served	LR	TR	LT
Maximum Queue (ft)	89	4	71
Average Queue (ft)	47	0	14
95th Queue (ft)	77	3	47
Link Distance (ft)	7764	1257	1783
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 10: Century Ave & Branch St

Movement	EB	EB	WB	WB	NB	NB
Directions Served	T	TR	LT	T	L	R
Maximum Queue (ft)	469	497	371	362	355	175
Average Queue (ft)	258	277	194	162	145	124
95th Queue (ft)	410	433	336	328	276	198
Link Distance (ft)	1618	1618	1512	1512	921	
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)						100
Storage Blk Time (%)					21	13
Queuing Penalty (veh)					58	25

Intersection: 11: Century Ave & Highland Way

Movement	EB	EB	EB	WB	WB	WB	NB	SB	SB
Directions Served	L	T	TR	L	T	TR	LR	LT	R
Maximum Queue (ft)	194	405	404	29	277	310	43	31	68
Average Queue (ft)	40	109	112	5	60	64	11	4	29
95th Queue (ft)	110	313	317	21	183	196	34	20	58
Link Distance (ft)		2182	2182		2494	2494	880	539	
Upstream Blk Time (%)									
Queuing Penalty (veh)									
Storage Bay Dist (ft)	100			200					100
Storage Blk Time (%)	0	4			1				0
Queuing Penalty (veh)	1	4			0				0

Queuing and Blocking Report
 2024 Build Conditions PM Peak Hour with North Mendota Pkwy

11/6/2010

Intersection: 12: University Ave. & Allen Blvd

Movement	EB	EB	EB	WB	WB	WB	SB	SB	SB
Directions Served	L	T	T	T	T	R	L	L	R
Maximum Queue (ft)	218	161	175	460	544	350	347	362	229
Average Queue (ft)	115	84	93	258	265	31	205	212	43
95th Queue (ft)	190	142	158	380	435	193	315	327	203
Link Distance (ft)		1909	1909	3601	3601		3465	3465	
Upstream Blk Time (%)									
Queuing Penalty (veh)									
Storage Bay Dist (ft)	275					200			225
Storage Blk Time (%)					15			9	
Queuing Penalty (veh)					188			14	

Intersection: 13: Century Ave & High Rd

Movement	EB	EB	WB	WB	NB	NB	SB	SB
Directions Served	LT	TR	LT	TR	L	TR	L	TR
Maximum Queue (ft)	247	243	278	306	39	112	100	133
Average Queue (ft)	114	117	106	121	8	38	44	47
95th Queue (ft)	199	199	222	241	30	80	84	91
Link Distance (ft)	1026	1026	1237	1237		1134		1326
Upstream Blk Time (%)								
Queuing Penalty (veh)								
Storage Bay Dist (ft)					100		100	
Storage Blk Time (%)						0	0	1
Queuing Penalty (veh)						0	0	1

Intersection: 14: Century Ave & Frank Lloyd Wright Ave

Movement	EB	EB	EB	WB	WB	WB	NB	NB	SB	SB
Directions Served	L	T	TR	L	T	TR	LT	R	L	TR
Maximum Queue (ft)	65	213	223	120	255	271	178	168	224	120
Average Queue (ft)	24	115	123	41	96	119	83	70	116	45
95th Queue (ft)	53	198	207	85	214	242	145	128	196	92
Link Distance (ft)		1237	1237		1618	1618	558		273	273
Upstream Blk Time (%)										0
Queuing Penalty (veh)										0
Storage Bay Dist (ft)	200			150					100	
Storage Blk Time (%)		0		0	3		6	2		
Queuing Penalty (veh)		0		0	3		14	3		

Queuing and Blocking Report
2024 Build Conditions PM Peak Hour with North Mendota Pkwy

11/6/2010

Intersection: 21: County Rd M &

Movement	EB	EB	NB	SB
Directions Served	L	R	L	TR
Maximum Queue (ft)	112	81	83	43
Average Queue (ft)	43	42	41	5
95th Queue (ft)	91	69	74	25
Link Distance (ft)	1527			2907
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)		200	200	
Storage Blk Time (%)				
Queuing Penalty (veh)				

Network Summary

Network wide Queuing Penalty: 539

1: Century Ave & Allen Ct Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	82.6	44.1	49.9	24.9	20.6	18.2	58.3	3.3	2.3	57.4	64.1	13.1

1: Century Ave & Allen Ct Performance by movement

Movement	All
Delay / Veh (s)	27.9

2: Century Ave & County Rd Q Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	14.0	5.6	3.3	13.2	9.7	6.1	44.6	41.1	9.9	31.4	20.4	29.4

2: Century Ave & County Rd Q Performance by movement

Movement	All
Delay / Veh (s)	15.1

5: Oncken Rd & County Rd M Performance by movement

Movement	EBL	EBT	EBR	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	All
Delay / Veh (s)	16.2	1.1	6.9	13.5	3.7	8.7	0.9	3.4	5.9	2.7	2.6	2.6

6: Indigo Way & Performance by movement

Movement	EBL	EBR	NBL	NBT	SBT	SBR	All
Delay / Veh (s)	6.1	3.6	3.0	0.6	0.4	0.0	0.9

7: Balzer Rd & County Rd Q Performance by movement

Movement	EBL	EBR	NBL	NBT	SBT	SBR	All
Delay / Veh (s)	7.2	3.8	2.1	2.8	1.2	0.8	1.8

8: Oncken Rd & County Rd Q Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	9.1	11.6	4.9	10.6	11.6	5.1	5.0	1.0	0.6	4.0	3.1	1.9

8: Oncken Rd & County Rd Q Performance by movement

Movement	All
Delay / Veh (s)	3.1

10: Century Ave & Branch St Performance by movement

Movement	EBT	EBR	WBL	WBT	NBL	NBR	All
Delay / Veh (s)	10.3	8.4	9.6	4.5	27.5	8.9	8.4

11: Century Ave & Highland Way Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBR	SBL	SBT	SBR	All
Delay / Veh (s)	17.3	7.5	9.1	6.5	6.8	8.0	56.7	10.6	52.0	67.9	20.1	8.1

12: University Ave. & Allen Blvd Performance by movement

Movement	EBL	EBT	WBT	WBR	SBL	SBR	All
Delay / Veh (s)	29.2	19.1	27.0	3.8	37.2	15.8	26.5

13: Century Ave & High Rd Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	17.7	5.6	3.8	2.5	4.8	3.1	28.4	21.1	4.2	27.7	22.1	9.6

13: Century Ave & High Rd Performance by movement

Movement	All
Delay / Veh (s)	7.7

14: Century Ave & Frank Lloyd Wright Ave Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	9.1	5.3	3.1	8.9	6.0	5.0	34.4	28.6	9.1	39.8	24.4	7.6

14: Century Ave & Frank Lloyd Wright Ave Performance by movement

Movement	All
Delay / Veh (s)	9.7

Total Network Performance

Delay / Veh (s)	42.0
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Queuing and Blocking Report
 2035 No Build AM Peak Hour with NMP and BFB

10/30/2010

Intersection: 1: Century Ave & Allen Ct

Movement	EB	EB	EB	WB	WB	WB	NB	NB	NB	NB	SB	SB
Directions Served	LT	T	R	L	LT	TR	L	LT	R	R	L	TR
Maximum Queue (ft)	339	569	373	394	455	410	101	103	71	86	31	59
Average Queue (ft)	110	152	216	208	219	184	47	45	9	15	5	15
95th Queue (ft)	250	452	372	351	380	348	89	85	45	62	21	43
Link Distance (ft)	1512	1512			2182	2182		1750	1750		175	175
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)			275	325			300			275		
Storage Blk Time (%)		0	12	1	1							
Queuing Penalty (veh)		1	17	8	6							

Intersection: 2: Century Ave & County Rd Q

Movement	EB	EB	EB	WB	WB	WB	NB	NB	SB	SB	SB	
Directions Served	L	T	TR	L	T	TR	LT	R	LT	R	R	
Maximum Queue (ft)	107	94	124	26	161	194	101	64	130	224	212	
Average Queue (ft)	44	32	50	3	74	90	43	4	31	110	109	
95th Queue (ft)	84	73	93	17	137	161	88	29	88	191	190	
Link Distance (ft)		2494	2494		2504	2504	598			2069		
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	150			200				50	150		150	
Storage Blk Time (%)	0				0		16			4	4	
Queuing Penalty (veh)	0				0		1			13	11	

Intersection: 5: Oncken Rd & County Rd M

Movement	EB	WB	NB	SB	SB
Directions Served	LR	LTR	L	L	R
Maximum Queue (ft)	53	18	31	19	8
Average Queue (ft)	23	3	3	1	0
95th Queue (ft)	48	14	17	11	0
Link Distance (ft)	7763	607			
Upstream Blk Time (%)					
Queuing Penalty (veh)					
Storage Bay Dist (ft)			50	50	150
Storage Blk Time (%)			0	0	
Queuing Penalty (veh)			0	0	

Intersection: 6: Indigo Way &

Movement	EB	NB
Directions Served	LR	LT
Maximum Queue (ft)	50	38
Average Queue (ft)	19	9
95th Queue (ft)	40	32
Link Distance (ft)	544	1830
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 7: Balzer Rd & County Rd Q

Movement	EB	NB	SB
Directions Served	LR	LT	TR
Maximum Queue (ft)	31	32	4
Average Queue (ft)	11	3	0
95th Queue (ft)	34	18	3
Link Distance (ft)	812	3516	1257
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 8: Oncken Rd & County Rd Q

Movement	EB	WB	NB	SB
Directions Served	LTR	LTR	LTR	LTR
Maximum Queue (ft)	54	83	70	58
Average Queue (ft)	22	32	6	9
95th Queue (ft)	50	64	35	37
Link Distance (ft)	561	7763	1257	1802
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

Queuing and Blocking Report
 2035 No Build AM Peak Hour with NMP and BFB

10/30/2010

Intersection: 10: Century Ave & Branch St

Movement	EB	EB	WB	WB	NB	NB
Directions Served	T	TR	LT	T	L	R
Maximum Queue (ft)	144	220	154	133	110	79
Average Queue (ft)	77	110	68	49	43	34
95th Queue (ft)	136	189	124	114	83	59
Link Distance (ft)	1618	1618	1512	1512	921	
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)						100
Storage Blk Time (%)					0	0
Queuing Penalty (veh)					0	0

Intersection: 11: Century Ave & Highland Way

Movement	EB	EB	EB	WB	WB	WB	NB	SB	SB
Directions Served	L	T	TR	L	T	TR	LR	LT	R
Maximum Queue (ft)	59	117	125	11	274	323	59	44	94
Average Queue (ft)	16	33	40	1	85	105	17	12	37
95th Queue (ft)	45	92	102	7	208	240	46	37	68
Link Distance (ft)		2182	2182		2494	2494	880	539	
Upstream Blk Time (%)									
Queuing Penalty (veh)									
Storage Bay Dist (ft)	100			200					100
Storage Blk Time (%)		0			1				0
Queuing Penalty (veh)		0			0				0

Intersection: 12: University Ave. & Allen Blvd

Movement	EB	EB	EB	WB	WB	SB	SB	SB
Directions Served	L	T	T	T	T	L	L	R
Maximum Queue (ft)	95	252	245	216	226	669	695	275
Average Queue (ft)	41	130	133	128	130	370	385	74
95th Queue (ft)	82	208	212	198	200	583	605	274
Link Distance (ft)		1909	1909	2326	2326	3465	3465	
Upstream Blk Time (%)								
Queuing Penalty (veh)								
Storage Bay Dist (ft)	275							225
Storage Blk Time (%)		0			1		23	
Queuing Penalty (veh)		0			3		24	

Intersection: 13: Century Ave & High Rd

Movement	EB	EB	WB	WB	NB	NB	SB	SB
Directions Served	LT	TR	LT	TR	L	TR	L	TR
Maximum Queue (ft)	111	124	150	143	37	60	111	175
Average Queue (ft)	43	49	50	59	7	19	37	54
95th Queue (ft)	89	92	120	121	27	46	81	118
Link Distance (ft)	1026	1026	1237	1237		1134		1326
Upstream Blk Time (%)								
Queuing Penalty (veh)								
Storage Bay Dist (ft)					100		100	
Storage Blk Time (%)							0	1
Queuing Penalty (veh)							1	1

Intersection: 14: Century Ave & Frank Lloyd Wright Ave

Movement	EB	EB	EB	WB	WB	WB	NB	NB	SB	SB
Directions Served	L	T	TR	L	T	TR	LT	R	L	TR
Maximum Queue (ft)	34	96	112	91	142	164	78	63	159	115
Average Queue (ft)	8	29	37	30	41	57	19	29	79	42
95th Queue (ft)	28	69	82	62	95	121	55	56	140	85
Link Distance (ft)		1237	1237		1618	1618	558		273	273
Upstream Blk Time (%)										
Queuing Penalty (veh)										
Storage Bay Dist (ft)	200			150				100		
Storage Blk Time (%)				0	0		0	0		
Queuing Penalty (veh)				0	0		0	0		

Network Summary

Network wide Queuing Penalty: 85

1: Century Ave & Allen Ct Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	31.9	29.4	10.1	41.9	41.1	29.8	61.0	9.0	22.6	55.8	61.1	15.7

1: Century Ave & Allen Ct Performance by movement

Movement	All
Delay / Veh (s)	31.6

2: Century Ave & County Rd Q Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	16.4	5.7	6.3	10.1	10.8	6.3	79.1	69.6	13.0	79.2	73.5	56.1

2: Century Ave & County Rd Q Performance by movement

Movement	All
Delay / Veh (s)	15.0

5: Oncken Rd & County Rd M Performance by movement

Movement	EBL	EBT	EBR	WBL	WBR	NBL	NBT	NBR	SBL	SBT	SBR	All
Delay / Veh (s)	24.0	0.5	3.7	21.3	9.0	10.9	1.7	3.3	6.8	1.5	1.4	2.5

6: Indigo Way & Performance by movement

Movement	EBL	EBR	NBL	NBT	SBT	SBR	All
Delay / Veh (s)	5.2	2.4	2.2	0.7	0.1	0.0	0.7

7: Balzer Rd & County Rd Q Performance by movement

Movement	EBL	EBR	NBL	NBT	SBT	SBR	All
Delay / Veh (s)	8.7	3.2	2.0	3.2	0.7	0.8	2.4

8: Oncken Rd & County Rd Q Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	8.7	11.5	5.3	8.9	10.2	7.1	3.4	1.2	0.6	4.0	1.4	0.7

8: Oncken Rd & County Rd Q Performance by movement

Movement	All
Delay / Veh (s)	3.2

10: Century Ave & Branch St Performance by movement

Movement	EBT	EBR	WBL	WBT	NBL	NBR	All
Delay / Veh (s)	20.1	20.0	30.1	11.9	29.6	16.3	18.9

11: Century Ave & Highland Way Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBR	SBL	SBR	All
Delay / Veh (s)	18.5	12.5	13.1	17.6	5.4	4.2	57.6	19.2	45.1	12.4	10.5

12: University Ave. & Allen Blvd Performance by movement

Movement	EBL	EBT	WBT	WBR	SBL	SBT	SBR	All
Delay / Veh (s)	34.6	9.7	41.0	24.2	39.3	1.5	7.5	27.8

13: Century Ave & High Rd Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	19.0	9.1	5.4	15.1	5.2	4.1	25.3	19.0	8.7	28.5	17.8	7.8

13: Century Ave & High Rd Performance by movement

Movement	All
Delay / Veh (s)	9.6

14: Century Ave & Frank Lloyd Wright Ave Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	13.8	5.7	6.1	11.9	10.4	9.1	23.0	23.2	12.5	48.8	16.5	6.3

14: Century Ave & Frank Lloyd Wright Ave Performance by movement

Movement	All
Delay / Veh (s)	12.8

Total Network Performance

Delay / Veh (s)	48.7
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Queuing and Blocking Report
 2035 No Build Conditions PM Peak Hour with NMP and BFB

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Intersection: 1: Century Ave & Allen Ct

Movement	EB	EB	EB	WB	WB	WB	NB	NB	NB	NB	SB	SB
Directions Served	LT	T	R	L	LT	TR	L	LT	R	R	L	TR
Maximum Queue (ft)	454	468	375	370	406	416	217	332	574	370	75	73
Average Queue (ft)	276	277	94	214	241	234	130	136	221	216	19	22
95th Queue (ft)	419	419	245	336	361	365	198	273	416	335	53	55
Link Distance (ft)	1512	1512			2182	2182		1750	1750		175	175
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)			275	325			300			275		
Storage Blk Time (%)		8		1	2				2	3		
Queuing Penalty (veh)		19		7	4				10	12		

Intersection: 2: Century Ave & County Rd Q

Movement	EB	EB	EB	WB	WB	WB	NB	NB	SB	SB	SB	
Directions Served	L	T	TR	L	T	TR	LT	R	LT	R	R	
Maximum Queue (ft)	208	254	268	21	207	214	58	25	123	451	209	
Average Queue (ft)	108	76	93	1	71	81	24	3	39	111	97	
95th Queue (ft)	186	177	195	9	154	166	54	15	93	309	188	
Link Distance (ft)		2494	2494		2504	2504	598			2069		
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	150			200				50	150		150	
Storage Blk Time (%)	3	1			0		10			7	7	
Queuing Penalty (veh)	16	3			0		0			14	12	

Intersection: 5: Oncken Rd & County Rd M

Movement	EB	WB	NB	SB
Directions Served	LR	LR	L	L
Maximum Queue (ft)	81	27	24	30
Average Queue (ft)	27	7	1	2
95th Queue (ft)	60	24	11	16
Link Distance (ft)	7763	607		
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)			50	50
Storage Blk Time (%)			0	0
Queuing Penalty (veh)			0	0

Intersection: 6: Indigo Way &

Movement	EB	NB
Directions Served	LR	LT
Maximum Queue (ft)	41	24
Average Queue (ft)	20	1
95th Queue (ft)	35	11
Link Distance (ft)	544	1830
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 7: Balzer Rd & County Rd Q

Movement	EB	NB
Directions Served	LR	LT
Maximum Queue (ft)	44	15
Average Queue (ft)	20	1
95th Queue (ft)	45	9
Link Distance (ft)	812	3516
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 8: Oncken Rd & County Rd Q

Movement	EB	WB	NB	SB
Directions Served	LTR	LTR	LTR	LTR
Maximum Queue (ft)	78	87	47	68
Average Queue (ft)	44	39	5	10
95th Queue (ft)	70	68	28	40
Link Distance (ft)	561	7763	1257	1811
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

Queuing and Blocking Report
 2035 No Build Conditions PM Peak Hour with NMP and BFB

10/30/2010

Intersection: 10: Century Ave & Branch St

Movement	EB	EB	WB	WB	NB	NB
Directions Served	T	TR	LT	T	L	R
Maximum Queue (ft)	385	423	279	245	230	174
Average Queue (ft)	183	207	158	130	98	84
95th Queue (ft)	299	332	253	241	178	152
Link Distance (ft)	1618	1618	1512	1512	921	
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)						100
Storage Blk Time (%)					10	3
Queuing Penalty (veh)					28	7

Intersection: 11: Century Ave & Highland Way

Movement	EB	EB	EB	WB	WB	WB	NB	SB	SB
Directions Served	L	T	TR	L	T	TR	LR	LT	R
Maximum Queue (ft)	175	374	400	23	288	302	59	44	57
Average Queue (ft)	39	101	117	3	62	62	18	7	26
95th Queue (ft)	98	266	301	17	176	179	47	28	51
Link Distance (ft)		2182	2182		2494	2494	880	539	
Upstream Blk Time (%)									
Queuing Penalty (veh)									
Storage Bay Dist (ft)	100			200					100
Storage Blk Time (%)	0	4			1				
Queuing Penalty (veh)	1	4			0				

Intersection: 12: University Ave. & Allen Blvd

Movement	EB	EB	EB	WB	WB	WB	SB	SB	SB
Directions Served	L	T	T	T	T	R	L	L	R
Maximum Queue (ft)	229	511	194	785	927	350	346	385	245
Average Queue (ft)	116	102	101	323	331	97	184	192	24
95th Queue (ft)	189	355	171	622	680	355	293	315	137
Link Distance (ft)		1909	1909	3601	3601		3465	3465	
Upstream Blk Time (%)									
Queuing Penalty (veh)									
Storage Bay Dist (ft)	275					200			225
Storage Blk Time (%)	0				20			5	
Queuing Penalty (veh)	0				234			8	

Queuing and Blocking Report
 2035 No Build Conditions PM Peak Hour with NMP and BFB

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Intersection: 13: Century Ave & High Rd

Movement	EB	EB	WB	WB	NB	NB	SB	SB
Directions Served	LT	TR	LT	TR	L	TR	L	TR
Maximum Queue (ft)	191	213	128	125	51	126	100	88
Average Queue (ft)	93	96	39	42	14	41	37	42
95th Queue (ft)	159	162	95	94	41	89	75	80
Link Distance (ft)	1026	1026	1237	1237		1134		1326
Upstream Blk Time (%)								
Queuing Penalty (veh)								
Storage Bay Dist (ft)					100		100	
Storage Blk Time (%)					0	1	0	0
Queuing Penalty (veh)					0	0	0	0

Intersection: 14: Century Ave & Frank Lloyd Wright Ave

Movement	EB	EB	EB	WB	WB	WB	NB	NB	SB	SB
Directions Served	L	T	TR	L	T	TR	LT	R	L	TR
Maximum Queue (ft)	56	103	107	87	191	229	136	123	242	135
Average Queue (ft)	23	40	47	37	71	91	55	60	121	40
95th Queue (ft)	49	91	95	71	144	179	103	106	213	78
Link Distance (ft)		1237	1237		1618	1618	558		273	273
Upstream Blk Time (%)									1	0
Queuing Penalty (veh)									0	0
Storage Bay Dist (ft)	200			150				100		
Storage Blk Time (%)					0		1	1		
Queuing Penalty (veh)					0		3	1		

Network Summary

Network wide Queuing Penalty: 386

1: Century Ave & Allen Ct Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)		48.9	50.3	34.9	30.2	17.3	58.1	4.3	3.0	94.9	71.4	21.0

1: Century Ave & Allen Ct Performance by movement

Movement	All
Delay / Veh (s)	33.9

2: Century Ave & County Rd Q Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	24.0	6.8	5.5	15.2	15.1	9.7	42.7	45.6	8.9	32.8	15.7	27.7

2: Century Ave & County Rd Q Performance by movement

Movement	All
Delay / Veh (s)	18.6

5: Oncken Rd & County Rd M Performance by movement

Movement	EBL	EBT	EBR	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	All
Delay / Veh (s)	51.7	2.0	27.0	28.4	6.1	11.8	3.8	3.7	7.2	3.2	3.3	4.2

6: Indigo Way & Performance by movement

Movement	EBL	EBR	WBL	WBR	NBL	NBT	NBR	SBL	SBT	SBR	All
Delay / Veh (s)	10.1	6.8	15.2	8.1	5.2	1.4	2.0	3.0	1.0	1.0	3.5

7: Balzer Rd & County Rd Q Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	9.2	14.1	4.5	15.7	15.5	8.1	3.2	3.7	0.7	5.6	2.6	2.2

7: Balzer Rd & County Rd Q Performance by movement

Movement	All
Delay / Veh (s)	4.0

8: Oncken Rd & County Rd Q Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	22.8	14.5	8.2	19.7	18.8	7.1	11.5	7.3	2.0	15.0	8.4	3.5

8: Oncken Rd & County Rd Q Performance by movement

Movement	All
Delay / Veh (s)	9.3

10: Century Ave & Branch St Performance by movement

Movement	EBT	EBR	WBL	WBT	NBL	NBR	All
Delay / Veh (s)	10.5	7.8	12.3	5.9	28.4	9.8	9.0

11: Century Ave & Highland Way Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBR	SBL	SBT	SBR	All
Delay / Veh (s)	24.9	9.3	8.0		8.8	10.9	50.3	9.5	57.4	39.1	30.9	10.1

12: University Ave. & Allen Blvd Performance by movement

Movement	EBL	EBT	WBT	WBR	SBL	SBR	All
Delay / Veh (s)	34.1	22.3	31.8	3.1	37.1	17.5	27.9

13: Century Ave & High Rd Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	19.8	7.2	3.6	3.7	5.8	4.7	28.3	17.4	4.0	24.9	23.1	9.3

13: Century Ave & High Rd Performance by movement

Movement	All
Delay / Veh (s)	8.4

14: Century Ave & Frank Lloyd Wright Ave Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	9.2	5.7	4.6	9.8	7.0	6.1	20.9	28.7	9.1	41.0	25.8	8.6

14: Century Ave & Frank Lloyd Wright Ave Performance by movement

Movement	All
Delay / Veh (s)	10.2

21: County Rd M & Performance by movement

Movement	EBL	EBR	NBL	NBT	SBT	SBR	All
Delay / Veh (s)	35.3	23.0	26.0	11.8	24.0	12.4	23.5

22: BFB Spur & County Rd Q Performance by movement

Movement	EBT	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	All
Delay / Veh (s)	11.4	16.8	14.1	10.4	2.6	1.1	0.2	4.6	1.9	4.3

Total Network Performance

Delay / Veh (s)

51.5

Queuing and Blocking Report
 2035 Build AM Peak Hour with NMP and BFB

11/7/2010

Intersection: 1: Century Ave & Allen Ct

Movement	EB	EB	EB	WB	WB	WB	NB	NB	NB	NB	B46	SB
Directions Served	LT	T	R	L	LT	TR	L	LT	R	R	T	L
Maximum Queue (ft)	473	621	366	400	1193	1009	104	95	93	105	708	31
Average Queue (ft)	148	167	228	274	362	323	48	44	21	33	25	3
95th Queue (ft)	333	409	373	436	785	678	94	83	69	85	517	18
Link Distance (ft)	1512	1512			2182	2182		1750	1750		3465	175
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)			275	325			300			275		
Storage Blk Time (%)		3	12	4	5							
Queuing Penalty (veh)		8	22	40	28							

Intersection: 1: Century Ave & Allen Ct

Movement	SB
Directions Served	TR
Maximum Queue (ft)	52
Average Queue (ft)	16
95th Queue (ft)	43
Link Distance (ft)	175
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 2: Century Ave & County Rd Q

Movement	EB	EB	EB	WB	WB	WB	NB	NB	SB	SB	SB
Directions Served	L	T	TR	L	T	TR	LT	R	LT	R	R
Maximum Queue (ft)	205	155	124	17	263	297	92	25	130	471	225
Average Queue (ft)	94	43	55	1	115	135	44	2	29	158	131
95th Queue (ft)	166	105	96	10	200	223	82	13	89	378	223
Link Distance (ft)		2494	2494		2504	2504	598			2069	
Upstream Blk Time (%)											
Queuing Penalty (veh)											
Storage Bay Dist (ft)	150			200				50	150		150
Storage Blk Time (%)	2	0			0		17			8	8
Queuing Penalty (veh)	5	0			0		1			32	33

Queuing and Blocking Report
 2035 Build AM Peak Hour with NMP and BFB

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Intersection: 5: Oncken Rd & County Rd M

Movement	EB	WB	NB	SB	SB	SB
Directions Served	LR	LTR	L	L	T	R
Maximum Queue (ft)	96	21	35	35	4	4
Average Queue (ft)	27	2	3	3	0	0
95th Queue (ft)	71	11	18	18	3	5
Link Distance (ft)	7747	608			2043	
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)			50	50		150
Storage Blk Time (%)			0	0		
Queuing Penalty (veh)			1	0		

Intersection: 6: Indigo Way &

Movement	EB	WB	NB	SB
Directions Served	LR	LR	L	L
Maximum Queue (ft)	62	142	48	34
Average Queue (ft)	19	58	14	9
95th Queue (ft)	46	114	41	31
Link Distance (ft)	537	753		
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)			300	200
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 7: Balzer Rd & County Rd Q

Movement	EB	WB	NB	SB
Directions Served	LTR	LTR	LTR	LTR
Maximum Queue (ft)	48	93	54	103
Average Queue (ft)	16	40	8	20
95th Queue (ft)	43	71	34	67
Link Distance (ft)	806	757	1937	1244
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

Queuing and Blocking Report
 2035 Build AM Peak Hour with NMP and BFB

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Intersection: 8: Oncken Rd & County Rd Q

Movement	EB	EB	EB	WB	WB	WB	NB	NB	NB	SB	SB	SB
Directions Served	L	T	R	L	T	R	L	T	R	L	T	R
Maximum Queue (ft)	53	52	21	115	74	76	26	144	56	126	181	61
Average Queue (ft)	15	11	3	53	30	32	6	56	19	42	81	24
95th Queue (ft)	40	37	14	98	64	61	24	111	44	88	152	48
Link Distance (ft)		544			7747			1244			1793	
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	200		200	200		200	200		200	200		200
Storage Blk Time (%)												0
Queuing Penalty (veh)												0

Intersection: 10: Century Ave & Branch St

Movement	EB	EB	WB	WB	NB	NB
Directions Served	T	TR	LT	T	L	R
Maximum Queue (ft)	186	220	208	204	86	76
Average Queue (ft)	84	109	91	70	38	34
95th Queue (ft)	156	193	173	163	71	61
Link Distance (ft)	1618	1618	1512	1512	921	
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)						100
Storage Blk Time (%)					0	0
Queuing Penalty (veh)					0	0

Intersection: 11: Century Ave & Highland Way

Movement	EB	EB	EB	WB	WB	NB	SB	SB
Directions Served	L	T	TR	T	TR	LR	LT	R
Maximum Queue (ft)	72	240	214	355	377	51	51	111
Average Queue (ft)	21	59	56	120	145	13	9	44
95th Queue (ft)	52	161	149	277	311	38	34	89
Link Distance (ft)		2182	2182	2494	2494	880	539	
Upstream Blk Time (%)								
Queuing Penalty (veh)								
Storage Bay Dist (ft)	100							100
Storage Blk Time (%)	0	1		2				2
Queuing Penalty (veh)	0	0		0				0

Queuing and Blocking Report
 2035 Build AM Peak Hour with NMP and BFB

11/7/2010

Intersection: 12: University Ave. & Allen Blvd

Movement	EB	EB	EB	WB	WB	WB	SB	SB	SB
Directions Served	L	T	T	T	T	R	L	L	R
Maximum Queue (ft)	119	248	263	218	229	58	639	686	275
Average Queue (ft)	46	145	150	136	142	12	401	413	53
95th Queue (ft)	95	217	226	200	206	48	610	619	230
Link Distance (ft)		1909	1909	2326	2326		3465	3465	
Upstream Blk Time (%)									
Queuing Penalty (veh)									
Storage Bay Dist (ft)	275					300			225
Storage Blk Time (%)		0						25	
Queuing Penalty (veh)		0						26	

Intersection: 13: Century Ave & High Rd

Movement	EB	EB	WB	WB	NB	NB	SB	SB
Directions Served	LT	TR	LT	TR	L	TR	L	TR
Maximum Queue (ft)	132	138	182	202	38	67	97	176
Average Queue (ft)	55	62	58	73	8	18	38	54
95th Queue (ft)	104	111	132	155	28	48	78	110
Link Distance (ft)	1026	1026	1237	1237		1134		1326
Upstream Blk Time (%)								
Queuing Penalty (veh)								
Storage Bay Dist (ft)					100		100	
Storage Blk Time (%)						0	0	2
Queuing Penalty (veh)						0	1	1

Intersection: 14: Century Ave & Frank Lloyd Wright Ave

Movement	EB	EB	EB	WB	WB	WB	NB	NB	SB	SB
Directions Served	L	T	TR	L	T	TR	LT	R	L	TR
Maximum Queue (ft)	25	109	122	82	161	190	66	56	212	111
Average Queue (ft)	5	32	41	30	60	84	21	28	88	41
95th Queue (ft)	21	77	83	61	125	153	55	51	163	82
Link Distance (ft)		1237	1237		1618	1618	558		273	273
Upstream Blk Time (%)									0	
Queuing Penalty (veh)									0	
Storage Bay Dist (ft)	200			150				100		
Storage Blk Time (%)					0		0			
Queuing Penalty (veh)					0		0			

Intersection: 21: County Rd M &

Movement	EB	EB	NB	NB	SB	SB
Directions Served	L	R	L	T	T	R
Maximum Queue (ft)	510	225	70	291	827	223
Average Queue (ft)	253	71	20	126	376	37
95th Queue (ft)	448	202	52	225	667	142
Link Distance (ft)	1338			2749	2901	
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)		200	200			200
Storage Blk Time (%)	16	0		1	16	0
Queuing Penalty (veh)	15	0		0	10	0

Intersection: 22: BFB Spur & County Rd Q

Movement	EB	WB	NB	SB
Directions Served	LTR	LTR	LTR	LTR
Maximum Queue (ft)	79	161	25	23
Average Queue (ft)	40	65	1	2
95th Queue (ft)	69	114	11	15
Link Distance (ft)	1002	1093	1151	1937
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

Network Summary

Network wide Queuing Penalty: 225

1: Century Ave & Allen Ct Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	47.7	45.5	23.8	51.7	52.0	50.5	79.0	10.0	33.1	63.2	54.0	12.7

1: Century Ave & Allen Ct Performance by movement

Movement	All
Delay / Veh (s)	44.1

2: Century Ave & County Rd Q Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	35.3	8.5	7.8	35.6	28.6	20.6	99.1	97.7	23.9	78.8	79.0	29.1

2: Century Ave & County Rd Q Performance by movement

Movement	All
Delay / Veh (s)	21.9

5: Oncken Rd & County Rd M Performance by movement

Movement	EBL	EBT	EBR	WBL	WBR	NBL	NBT	NBR	SBL	SBT	SBR	All
Delay / Veh (s)	144.9	2.6	74.8	71.8	35.1	17.2	3.8	3.5	15.2	3.2	3.7	6.2

6: Indigo Way & Performance by movement

Movement	EBL	EBR	WBL	WBR	NBL	NBT	NBR	SBL	SBT	SBR	All
Delay / Veh (s)	9.0	3.7	11.7	6.9	3.6	1.3	1.5	4.0	0.4	0.2	2.1

7: Balzer Rd & County Rd Q Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	22.7	18.2	8.6	31.1	32.8	24.5	5.6	6.3	2.3	8.3	3.8	3.7

7: Balzer Rd & County Rd Q Performance by movement

Movement	All
Delay / Veh (s)	9.3

8: Oncken Rd & County Rd Q Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	22.3	13.0	7.9	28.0	15.1	8.6	14.1	12.1	4.2	24.1	10.1	2.2

8: Oncken Rd & County Rd Q Performance by movement

Movement	All
Delay / Veh (s)	13.9

10: Century Ave & Branch St Performance by movement

Movement	EBT	EBR	WBL	WBT	NBL	NBR	All
Delay / Veh (s)	23.1	22.2	39.3	14.8	58.1	29.5	24.6

11: Century Ave & Highland Way Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBR	SBL	SBR	All
Delay / Veh (s)	26.3	16.2	16.3	40.5	7.4	5.3	44.8	23.0	58.8	15.1	13.6

12: University Ave. & Allen Blvd Performance by movement

Movement	EBL	EBT	WBT	WBR	SBL	SBT	SBR	All
Delay / Veh (s)	71.0	10.5	48.5	24.9	48.6	1.3	11.0	33.5

13: Century Ave & High Rd Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	26.4	11.2	6.4	25.8	13.9	11.5	20.9	21.8	10.2	26.3	18.7	7.8

13: Century Ave & High Rd Performance by movement

Movement	All
Delay / Veh (s)	14.1

14: Century Ave & Frank Lloyd Wright Ave Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	20.3	11.5	12.8	16.4	16.6	14.8	47.9	40.1	15.8	40.4	26.2	8.5

14: Century Ave & Frank Lloyd Wright Ave Performance by movement

Movement	All
Delay / Veh (s)	17.8

21: County Rd M & Performance by movement

Movement	EBL	EBR	NBL	NBT	SBT	SBR	All
Delay / Veh (s)	31.2	12.2	22.3	16.1	17.8	7.1	18.1

22: County Rd Q & Performance by movement

Movement	EBT	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	All
Delay / Veh (s)	19.6	27.5	24.4	19.6	2.4	2.2	0.9	4.9	1.7	7.9

Total Network Performance

Delay / Veh (s)

66.4

Queuing and Blocking Report
 2035 Build Conditions PM Peak Hour with NMP and BFB

11/9/2010

Intersection: 1: Century Ave & Allen Ct

Movement	EB	EB	EB	WB	WB	WB	NB	NB	NB	NB	B46	SB
Directions Served	LT	T	R	L	LT	TR	L	LT	R	R	T	L
Maximum Queue (ft)	888	915	375	400	688	589	247	652	796	375	3554	62
Average Queue (ft)	466	473	183	297	350	335	148	181	362	303	2532	21
95th Queue (ft)	765	785	413	424	553	508	243	412	658	408	5174	52
Link Distance (ft)	1512	1512			2182	2182		1750	1750		3465	175
Upstream Blk Time (%)												5
Queuing Penalty (veh)												37
Storage Bay Dist (ft)			275	325			300			275		
Storage Blk Time (%)		27	0	6	9		0	1	11	12		
Queuing Penalty (veh)		69	1	42	30		0	1	60	66		

Intersection: 1: Century Ave & Allen Ct

Movement	SB
Directions Served	TR
Maximum Queue (ft)	59
Average Queue (ft)	20
95th Queue (ft)	48
Link Distance (ft)	175
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 2: Century Ave & County Rd Q

Movement	EB	EB	EB	WB	WB	WB	NB	NB	SB	SB	SB
Directions Served	L	T	TR	L	T	TR	LT	R	LT	R	R
Maximum Queue (ft)	225	738	593	26	304	308	92	40	124	555	225
Average Queue (ft)	213	339	237	3	145	154	25	3	40	140	106
95th Queue (ft)	258	678	523	16	264	276	65	21	97	391	217
Link Distance (ft)		2494	2494		2504	2504	598			2069	
Upstream Blk Time (%)											
Queuing Penalty (veh)											
Storage Bay Dist (ft)	150			200				50	150		150
Storage Blk Time (%)	30	1			3		15		0	8	9
Queuing Penalty (veh)	168	5			0		0		0	25	26

Intersection: 5: Oncken Rd & County Rd M

Movement	EB	WB	NB	SB	SB
Directions Served	LR	LR	L	L	R
Maximum Queue (ft)	176	35	31	35	23
Average Queue (ft)	65	8	3	3	1
95th Queue (ft)	160	28	18	19	11
Link Distance (ft)	7746	608			
Upstream Blk Time (%)					
Queuing Penalty (veh)					
Storage Bay Dist (ft)			50	50	150
Storage Blk Time (%)			0	0	
Queuing Penalty (veh)			0	0	

Intersection: 6: Indigo Way &

Movement	EB	WB	NB	NB	SB
Directions Served	LR	LR	L	R	L
Maximum Queue (ft)	44	78	34	4	60
Average Queue (ft)	22	35	4	0	17
95th Queue (ft)	40	65	21	3	47
Link Distance (ft)	537	743			
Upstream Blk Time (%)					
Queuing Penalty (veh)					
Storage Bay Dist (ft)			300	300	200
Storage Blk Time (%)					
Queuing Penalty (veh)					

Intersection: 7: Balzer Rd & County Rd Q

Movement	EB	WB	NB	SB
Directions Served	LTR	LTR	LTR	LTR
Maximum Queue (ft)	87	225	74	149
Average Queue (ft)	36	99	7	55
95th Queue (ft)	69	188	40	118
Link Distance (ft)	806	698	1704	1244
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

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Intersection: 8: Oncken Rd & County Rd Q

Movement	EB	EB	EB	WB	WB	WB	NB	NB	NB	SB	SB	SB
Directions Served	L	T	R	L	T	R	L	T	R	L	T	R
Maximum Queue (ft)	91	114	32	177	66	77	26	200	71	110	154	31
Average Queue (ft)	44	59	7	80	18	28	5	102	30	51	56	9
95th Queue (ft)	84	108	24	144	49	63	21	169	58	93	110	25
Link Distance (ft)		544			7746			1244			1758	
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	200		200	200		200	200		200	200		200
Storage Blk Time (%)				0				0				0
Queuing Penalty (veh)				0				0				0

Intersection: 10: Century Ave & Branch St

Movement	EB	EB	WB	WB	NB	NB
Directions Served	T	TR	LT	T	L	R
Maximum Queue (ft)	459	481	364	366	502	175
Average Queue (ft)	273	294	205	182	200	119
95th Queue (ft)	398	426	328	339	409	199
Link Distance (ft)	1618	1618	1512	1512	921	
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)					100	
Storage Blk Time (%)					32	12
Queuing Penalty (veh)					87	26

Intersection: 11: Century Ave & Highland Way

Movement	EB	EB	EB	WB	WB	WB	NB	SB	SB	
Directions Served	L	T	TR	L	T	TR	LR	LT	R	
Maximum Queue (ft)	190	571	554	82	326	344	59	53	74	
Average Queue (ft)	47	150	152	7	83	89	14	8	30	
95th Queue (ft)	122	407	404	48	230	252	41	32	59	
Link Distance (ft)		2182	2182		2494	2494	880	539		
Upstream Blk Time (%)										
Queuing Penalty (veh)										
Storage Bay Dist (ft)	100			200					100	
Storage Blk Time (%)	0	6			1				0	
Queuing Penalty (veh)	3	5			0				0	

Queuing and Blocking Report
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Intersection: 12: University Ave. & Allen Blvd

Movement	EB	EB	EB	WB	WB	WB	SB	SB	SB
Directions Served	L	T	T	T	T	R	L	L	R
Maximum Queue (ft)	285	347	288	1659	1708	380	405	431	275
Average Queue (ft)	158	115	120	365	370	93	233	244	68
95th Queue (ft)	284	265	249	921	954	278	367	383	249
Link Distance (ft)		1909	1909	3600	3600		3465	3465	
Upstream Blk Time (%)				0	0				
Queuing Penalty (veh)				0	0				
Storage Bay Dist (ft)	275					300			225
Storage Blk Time (%)	6				8		14	0	
Queuing Penalty (veh)	22				114		24	0	

Intersection: 13: Century Ave & High Rd

Movement	EB	EB	WB	WB	NB	NB	SB	SB
Directions Served	LT	TR	LT	TR	L	TR	L	TR
Maximum Queue (ft)	238	257	282	318	29	116	130	117
Average Queue (ft)	121	120	126	146	10	42	54	40
95th Queue (ft)	206	205	244	272	30	90	103	86
Link Distance (ft)	1026	1026	1237	1237		1134		1326
Upstream Blk Time (%)								
Queuing Penalty (veh)								
Storage Bay Dist (ft)					100		100	
Storage Blk Time (%)						1	1	1
Queuing Penalty (veh)						0	1	1

Intersection: 14: Century Ave & Frank Lloyd Wright Ave

Movement	EB	EB	EB	WB	WB	WB	NB	NB	SB	SB
Directions Served	L	T	TR	L	T	TR	LT	R	L	TR
Maximum Queue (ft)	98	229	232	178	284	328	129	163	276	104
Average Queue (ft)	29	116	122	50	129	150	68	75	147	46
95th Queue (ft)	68	200	206	122	251	284	121	130	240	85
Link Distance (ft)		1237	1237		1618	1618	558		273	273
Upstream Blk Time (%)									1	
Queuing Penalty (veh)									0	
Storage Bay Dist (ft)	200			150					100	
Storage Blk Time (%)		1		0	6		4	3		
Queuing Penalty (veh)		0		0	6		10	3		

Intersection: 21: County Rd M &

Movement	EB	EB	NB	NB	SB	SB
Directions Served	L	R	L	T	T	R
Maximum Queue (ft)	329	154	181	642	473	225
Average Queue (ft)	156	28	66	282	195	60
95th Queue (ft)	273	82	146	540	351	155
Link Distance (ft)	1514			1548	2902	
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)		200	200			200
Storage Blk Time (%)	4	0		8	5	0
Queuing Penalty (veh)	3	0		10	12	0

Intersection: 22: County Rd Q &

Movement	EB	WB	NB	SB
Directions Served	LTR	LTR	LTR	LTR
Maximum Queue (ft)	174	222	25	52
Average Queue (ft)	73	99	1	6
95th Queue (ft)	135	182	10	31
Link Distance (ft)	1143	1054	1610	1704
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

Network Summary

Network wide Queuing Penalty: 860

1: Century Ave & Allen Ct Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	1.7	38.3	30.1	33.1	30.0	27.0	57.5	7.1	3.3	95.7	71.0	20.2

1: Century Ave & Allen Ct Performance by movement

Movement	All
Delay / Veh (s)	30.2

2: Century Ave & County Rd Q Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	26.5	6.7	3.4	20.3	14.7	8.6	42.8	41.4	13.4	28.3	23.8	21.1

2: Century Ave & County Rd Q Performance by movement

Movement	All
Delay / Veh (s)	16.6

5: Oncken Rd & County Rd M Performance by movement

Movement	EBL	EBR	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	All
Delay / Veh (s)	1124.5	1390.1	15.6	11.8	17.6	2.8	2.8	6.2	3.4	3.2	141.6

6: Indigo Way & Performance by movement

Movement	EBL	EBR	WBL	WBR	NBL	NBT	NBR	SBL	SBT	SBR	All
Delay / Veh (s)	8.5	4.1	14.4	8.0	4.5	1.3	2.4	3.5	0.9	0.5	3.2

7: Balzer Rd & County Rd Q Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	9.8	10.5	4.1	16.8	12.2	9.9	3.2	3.8	0.7	5.8	2.2	2.2

7: Balzer Rd & County Rd Q Performance by movement

Movement	All
Delay / Veh (s)	4.1

8: Oncken Rd & County Rd Q Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	20.0	16.8	9.0	88.3	89.2	78.8	7.6	2.0	1.1	7.0	5.1	3.9

8: Oncken Rd & County Rd Q Performance by movement

Movement	All
Delay / Veh (s)	21.5

10: Century Ave & Branch St Performance by movement

Movement	EBT	EBR	WBL	WBT	NBL	NBR	All
Delay / Veh (s)	10.2	8.0	12.9	5.8	29.2	8.5	8.8

11: Century Ave & Highland Way Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBR	SBL	SBT	SBR	All
Delay / Veh (s)	25.9	9.7	4.3	8.0	8.5	2.0	57.6	22.2	58.4	37.2	33.7	10.1

12: University Ave. & Allen Blvd Performance by movement

Movement	EBL	EBT	WBT	WBR	SBL	SBR	All
Delay / Veh (s)	28.7	21.8	28.2	3.0	32.7	13.4	25.0

13: Century Ave & High Rd Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	14.1	5.3	2.0	8.4	5.6	3.9	50.0	18.9	3.7	26.2	22.9	9.6

13: Century Ave & High Rd Performance by movement

Movement	All
Delay / Veh (s)	7.4

14: Century Ave & Frank Lloyd Wright Ave Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	10.1	5.1	3.0	9.4	5.9	6.0	9.6	21.3	8.7	48.8	25.2	10.7

14: Century Ave & Frank Lloyd Wright Ave Performance by movement

Movement	All
Delay / Veh (s)	10.3

21: County Rd M & Performance by movement

Movement	EBL	EBR	NBL	NBT	SBT	SBR	All
Delay / Veh (s)	108.4	49.3	11.1	1.8	5.0	3.3	18.3

22: BFB Spur & County Rd Q Performance by movement

Movement	EBT	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	All
Delay / Veh (s)	12.6	15.1	13.3	13.1	2.4	1.1	0.3	2.7	1.6	4.0

Total Network Performance

Delay / Veh (s)

81.5

Queuing and Blocking Report
 2035 Build AM Peak Hour with NMP and BFB

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Intersection: 1: Century Ave & Allen Ct

Movement	EB	EB	EB	WB	WB	WB	NB	NB	NB	NB	SB	SB
Directions Served	LT	T	R	L	LT	TR	L	LT	R	R	L	TR
Maximum Queue (ft)	181	219	316	400	1088	896	88	91	99	97	27	48
Average Queue (ft)	116	120	188	266	328	294	46	43	32	39	1	16
95th Queue (ft)	179	189	300	431	644	556	80	72	85	93	11	42
Link Distance (ft)	1512	1512			2182	2182		1750	1750		175	175
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)			275	325			300			275		
Storage Blk Time (%)			3	4	4							
Queuing Penalty (veh)			5	44	23							

Intersection: 2: Century Ave & County Rd Q

Movement	EB	EB	EB	WB	WB	WB	NB	NB	SB	SB	SB	
Directions Served	L	T	TR	L	T	TR	LT	R	LT	R	R	
Maximum Queue (ft)	223	117	112	44	184	185	71	25	46	235	225	
Average Queue (ft)	91	44	61	5	118	131	39	2	24	110	109	
95th Queue (ft)	180	96	102	22	174	191	76	12	49	181	191	
Link Distance (ft)		2494	2494		2504	2504	598			2069		
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	150			200				50	150		150	
Storage Blk Time (%)	3				0		14			3	3	
Queuing Penalty (veh)	6				0		1			10	11	

Intersection: 5: Oncken Rd & County Rd M

Movement	EB	WB	NB	SB
Directions Served	LR	LTR	L	L
Maximum Queue (ft)	2909	23	31	31
Average Queue (ft)	1862	4	1	2
95th Queue (ft)	3176	16	11	15
Link Distance (ft)	7763	607		
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)			50	50
Storage Blk Time (%)			0	0
Queuing Penalty (veh)			0	0

Intersection: 6: Indigo Way &

Movement	EB	WB	NB	SB
Directions Served	LR	LR	L	L
Maximum Queue (ft)	23	108	31	50
Average Queue (ft)	18	53	12	9
95th Queue (ft)	31	93	36	34
Link Distance (ft)	537	753		
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)			300	200
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 7: Balzer Rd & County Rd Q

Movement	EB	WB	NB	SB
Directions Served	LTR	LTR	LTR	LTR
Maximum Queue (ft)	31	115	52	120
Average Queue (ft)	24	45	6	22
95th Queue (ft)	43	81	30	75
Link Distance (ft)	812	763	1937	1263
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 8: Oncken Rd & County Rd Q

Movement	EB	WB	NB	SB
Directions Served	LTR	LTR	LTR	LTR
Maximum Queue (ft)	54	854	74	247
Average Queue (ft)	27	247	13	59
95th Queue (ft)	55	564	51	157
Link Distance (ft)	561	7763	1263	1812
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

Queuing and Blocking Report
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Intersection: 10: Century Ave & Branch St

Movement	EB	EB	WB	WB	NB	NB
Directions Served	T	TR	LT	T	L	R
Maximum Queue (ft)	186	205	207	162	113	52
Average Queue (ft)	93	107	103	75	41	30
95th Queue (ft)	171	195	184	158	85	49
Link Distance (ft)	1618	1618	1512	1512	921	
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)						100
Storage Blk Time (%)					1	
Queuing Penalty (veh)					1	

Intersection: 11: Century Ave & Highland Way

Movement	EB	EB	EB	WB	WB	NB	SB	SB
Directions Served	L	T	TR	T	TR	LR	LT	R
Maximum Queue (ft)	75	178	190	421	422	66	53	140
Average Queue (ft)	16	59	60	125	144	14	14	47
95th Queue (ft)	51	128	133	290	305	41	42	101
Link Distance (ft)		2182	2182	2494	2494	880	539	
Upstream Blk Time (%)								
Queuing Penalty (veh)								
Storage Bay Dist (ft)	100							100
Storage Blk Time (%)		1		2				2
Queuing Penalty (veh)		0		0				0

Intersection: 12: University Ave. & Allen Blvd

Movement	EB	EB	EB	WB	WB	WB	SB	SB	SB
Directions Served	L	T	T	T	T	R	L	L	R
Maximum Queue (ft)	93	209	248	260	247	83	546	618	275
Average Queue (ft)	36	137	145	129	133	14	367	375	39
95th Queue (ft)	75	209	232	201	210	54	517	542	194
Link Distance (ft)		1909	1909	2326	2326		3465	3465	
Upstream Blk Time (%)									
Queuing Penalty (veh)									
Storage Bay Dist (ft)	275					300			225
Storage Blk Time (%)								20	
Queuing Penalty (veh)								21	

Queuing and Blocking Report
 2035 Build AM Peak Hour with NMP and BFB

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Intersection: 13: Century Ave & High Rd

Movement	EB	EB	WB	WB	NB	NB	SB	SB
Directions Served	LT	TR	LT	TR	L	TR	L	TR
Maximum Queue (ft)	134	120	211	177	25	41	91	133
Average Queue (ft)	44	47	55	68	4	14	36	47
95th Queue (ft)	90	96	142	154	18	34	72	84
Link Distance (ft)	1026	1026	1237	1237		1134		1326
Upstream Blk Time (%)								
Queuing Penalty (veh)								
Storage Bay Dist (ft)					100		100	
Storage Blk Time (%)							0	1
Queuing Penalty (veh)							0	1

Intersection: 14: Century Ave & Frank Lloyd Wright Ave

Movement	EB	EB	EB	WB	WB	WB	NB	NB	SB	SB
Directions Served	L	T	TR	L	T	TR	LT	R	L	TR
Maximum Queue (ft)	50	134	127	107	128	162	71	52	215	116
Average Queue (ft)	13	34	38	28	56	72	23	23	101	43
95th Queue (ft)	39	77	76	53	111	142	57	47	186	89
Link Distance (ft)		1237	1237		1618	1618	558		273	273
Upstream Blk Time (%)										
Queuing Penalty (veh)										
Storage Bay Dist (ft)	200			150				100		
Storage Blk Time (%)										
Queuing Penalty (veh)										

Intersection: 21: County Rd M &

Movement	EB	EB	NB
Directions Served	L	R	L
Maximum Queue (ft)	634	225	53
Average Queue (ft)	216	95	16
95th Queue (ft)	480	243	45
Link Distance (ft)	1351		
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)		200	200
Storage Blk Time (%)	29	1	
Queuing Penalty (veh)	28	3	

Intersection: 22: BFB Spur & County Rd Q

Movement	EB	WB	NB	SB
Directions Served	LTR	LTR	LTR	LTR
Maximum Queue (ft)	75	137	25	30
Average Queue (ft)	37	55	3	1
95th Queue (ft)	67	93	17	10
Link Distance (ft)	1002	1093	1151	1937
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

Network Summary

Network wide Queuing Penalty: 154

21: County Rd M & Performance by movement

Movement	EBL	EBR	NBL	NBT	SBT	SBR	All
Delay / Veh (s)	108.4	49.3	11.1	1.8	5.0	3.3	18.3

Intersection: 21: County Rd M &

Movement	EB	EB	NB
Directions Served	L	R	L
Maximum Queue (ft)	634	225	53
Average Queue (ft)	216	95	16
95th Queue (ft)	480	243	45
Link Distance (ft)	1351		
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)		200	200
Storage Blk Time (%)	29	1	
Queuing Penalty (veh)	28	3	

5: Oncken Rd & County Rd M Performance by movement

Movement	EBL	EBR	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	All
Delay / Veh (s)	1124.5	1390.1	15.6	11.8	17.6	2.8	2.8	6.2	3.4	3.2	141.6

Intersection: 5: Oncken Rd & County Rd M

Movement	EB	WB	NB	SB
Directions Served	LR	LTR	L	L
Maximum Queue (ft)	2909	23	31	31
Average Queue (ft)	1862	4	1	2
95th Queue (ft)	3176	16	11	15
Link Distance (ft)	7763	607		
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)			50	50
Storage Blk Time (%)			0	0
Queuing Penalty (veh)			0	0

8: Oncken Rd & County Rd Q Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	20.0	16.8	9.0	88.3	89.2	78.8	7.6	2.0	1.1	7.0	5.1	3.9

8: Oncken Rd & County Rd Q Performance by movement

Movement	All
Delay / Veh (s)	21.5

Intersection: 8: Oncken Rd & County Rd Q

Movement	EB	WB	NB	SB
Directions Served	LTR	LTR	LTR	LTR
Maximum Queue (ft)	54	854	74	247
Average Queue (ft)	27	247	13	59
95th Queue (ft)	55	564	51	157
Link Distance (ft)	561	7763	1263	1812
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

1: Century Ave & Allen Ct Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	47.1	42.4	20.7	52.5	51.5	43.7	75.9	12.7	32.5	56.8	64.5	12.3

1: Century Ave & Allen Ct Performance by movement

Movement	All
Delay / Veh (s)	42.7

2: Century Ave & County Rd Q Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	35.5	9.1	9.9	27.5	34.2	21.9	78.3	80.5	15.9	53.3	40.5	15.4

2: Century Ave & County Rd Q Performance by movement

Movement	All
Delay / Veh (s)	21.3

5: Oncken Rd & County Rd M Performance by movement

Movement	EBT	EBR	WBL	WBR	NBL	NBT	NBR	SBL	SBT	SBR	All
Delay / Veh (s)	2.8	8.8	47.5	22.5	10.7	3.6	3.4	20.9	3.3	3.8	3.6

6: Indigo Way & Performance by movement

Movement	EBL	EBR	WBL	WBR	NBL	NBT	NBR	SBL	SBT	SBR	All
Delay / Veh (s)	9.2	3.9	11.8	6.0	3.5	1.3	1.4	4.3	0.4	0.1	2.0

7: Balzer Rd & County Rd Q Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	23.9	20.1	10.7	34.0	19.2	12.0	3.7	4.5	1.5	7.8	1.6	1.2

7: Balzer Rd & County Rd Q Performance by movement

Movement	All
Delay / Veh (s)	7.2

8: Oncken Rd & County Rd Q Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	22.1	14.3	6.1	26.4	16.3	9.0	15.5	11.2	4.1	28.8	10.9	5.1

8: Oncken Rd & County Rd Q Performance by movement

Movement	All
Delay / Veh (s)	14.1

10: Century Ave & Branch St Performance by movement

Movement	EBT	EBR	WBL	WBT	NBL	NBR	All
Delay / Veh (s)	25.3	23.4	42.3	15.4	51.4	27.9	25.4

11: Century Ave & Highland Way Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBR	SBL	SBR	All
Delay / Veh (s)	26.5	16.6	13.6	25.6	7.9	5.7	62.4	22.1	52.3	16.4	14.0

12: University Ave. & Allen Blvd Performance by movement

Movement	EBL	EBT	WBT	WBR	SBL	SBT	SBR	All
Delay / Veh (s)	37.2	10.3	44.2	21.4	49.1	1.2	9.9	29.8

13: Century Ave & High Rd Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	24.1	11.3	7.6	26.5	13.5	10.7	25.1	17.3	8.5	24.3	17.9	9.6

13: Century Ave & High Rd Performance by movement

Movement	All
Delay / Veh (s)	13.7

14: Century Ave & Frank Lloyd Wright Ave Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Delay / Veh (s)	18.1	10.9	11.1	18.1	15.6	14.9	44.6	44.0	16.2	42.0	29.1	12.0

14: Century Ave & Frank Lloyd Wright Ave Performance by movement

Movement	All
Delay / Veh (s)	17.7

21: County Rd M & Performance by movement

Movement	EBL	EBR	NBL	NBT	SBT	SBR	All
Delay / Veh (s)	30.7	10.8	22.8	14.9	14.3	5.9	16.4

22: County Rd Q & Performance by movement

Movement	EBT	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	All
Delay / Veh (s)	22.9	28.6	26.0	17.5	2.9	2.5	1.2	4.8	1.4	8.3

Total Network Performance

Delay / Veh (s)

63.2

Queuing and Blocking Report
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11/9/2010

Intersection: 1: Century Ave & Allen Ct

Movement	EB	EB	EB	WB	WB	WB	NB	NB	NB	NB	B46	B46
Directions Served	LT	T	R	L	LT	TR	L	LT	R	R	T	T
Maximum Queue (ft)	779	786	375	399	736	574	253	548	721	375	3550	3548
Average Queue (ft)	443	453	169	296	345	336	143	160	341	301	707	1283
95th Queue (ft)	671	688	391	408	560	507	223	356	603	402	3040	4080
Link Distance (ft)	1512	1512			2182	2182		1750	1750		3459	3459
Upstream Blk Time (%)											1	2
Queuing Penalty (veh)											8	15
Storage Bay Dist (ft)			275	325			300			275		
Storage Blk Time (%)		25	0	6	9		0	0	10	12		
Queuing Penalty (veh)		64	1	43	32		0	0	56	64		

Intersection: 1: Century Ave & Allen Ct

Movement	SB	SB
Directions Served	L	TR
Maximum Queue (ft)	55	64
Average Queue (ft)	20	20
95th Queue (ft)	51	49
Link Distance (ft)	175	175
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 2: Century Ave & County Rd Q

Movement	EB	EB	EB	WB	WB	WB	NB	NB	SB	SB	SB
Directions Served	L	T	TR	L	T	TR	LT	R	LT	R	R
Maximum Queue (ft)	225	784	522	116	314	334	96	25	85	203	191
Average Queue (ft)	214	358	230	6	172	183	32	3	33	85	82
95th Queue (ft)	256	680	491	56	274	287	77	17	71	156	153
Link Distance (ft)		2494	2494		2504	2504	598			2069	
Upstream Blk Time (%)											
Queuing Penalty (veh)											
Storage Bay Dist (ft)	150			200				50	150		150
Storage Blk Time (%)	31	1			5		16			1	1
Queuing Penalty (veh)	171	5			0		0			4	3

Intersection: 5: Oncken Rd & County Rd M

Movement	EB	WB	NB	SB	SB
Directions Served	LR	LR	L	L	R
Maximum Queue (ft)	16	39	31	36	13
Average Queue (ft)	1	8	2	5	0
95th Queue (ft)	10	29	14	23	6
Link Distance (ft)	7746	608			
Upstream Blk Time (%)					
Queuing Penalty (veh)					
Storage Bay Dist (ft)			50	50	150
Storage Blk Time (%)			0	0	
Queuing Penalty (veh)			0	1	

Intersection: 6: Indigo Way &

Movement	EB	WB	NB	NB	SB
Directions Served	LR	LR	L	R	L
Maximum Queue (ft)	53	86	34	4	53
Average Queue (ft)	23	35	4	0	21
95th Queue (ft)	45	64	21	3	47
Link Distance (ft)	537	743			
Upstream Blk Time (%)					
Queuing Penalty (veh)					
Storage Bay Dist (ft)			300	300	200
Storage Blk Time (%)					
Queuing Penalty (veh)					

Intersection: 7: Balzer Rd & County Rd Q

Movement	EB	EB	EB	WB	WB	WB	NB	NB	SB	SB
Directions Served	L	T	R	L	T	R	L	R	L	T
Maximum Queue (ft)	31	57	38	119	53	63	25	21	82	3
Average Queue (ft)	8	19	10	47	14	26	2	2	31	0
95th Queue (ft)	27	46	28	91	38	50	13	12	62	2
Link Distance (ft)		793			686					1227
Upstream Blk Time (%)										
Queuing Penalty (veh)										
Storage Bay Dist (ft)	200		200	200		200	200	200	200	
Storage Blk Time (%)										
Queuing Penalty (veh)										

Queuing and Blocking Report
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Intersection: 8: Oncken Rd & County Rd Q

Movement	EB	EB	EB	WB	WB	WB	NB	NB	NB	SB	SB	SB
Directions Served	L	T	R	L	T	R	L	T	R	L	T	R
Maximum Queue (ft)	121	157	25	177	59	105	35	217	170	115	163	36
Average Queue (ft)	45	63	6	83	20	35	6	104	36	54	63	11
95th Queue (ft)	89	122	22	142	50	74	24	187	97	98	121	29
Link Distance (ft)	1376			7746			1227			1758		
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	200		200	200		200	200		200	200		200
Storage Blk Time (%)		0		0				0	0		0	
Queuing Penalty (veh)		0		0				1	0		0	

Intersection: 10: Century Ave & Branch St

Movement	EB	EB	WB	WB	NB	NB
Directions Served	T	TR	LT	T	L	R
Maximum Queue (ft)	491	527	378	363	425	175
Average Queue (ft)	290	313	212	192	189	126
95th Queue (ft)	443	482	351	349	354	201
Link Distance (ft)	1618	1618	1512	1512	921	
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)						100
Storage Blk Time (%)					26	14
Queuing Penalty (veh)					72	30

Intersection: 11: Century Ave & Highland Way

Movement	EB	EB	EB	WB	WB	WB	NB	SB	SB
Directions Served	L	T	TR	L	T	TR	LR	LT	R
Maximum Queue (ft)	220	564	545	27	326	348	72	44	73
Average Queue (ft)	50	164	156	3	95	99	16	6	29
95th Queue (ft)	125	430	409	19	253	263	48	27	62
Link Distance (ft)		2182	2182		2494	2494	880	539	
Upstream Blk Time (%)									
Queuing Penalty (veh)									
Storage Bay Dist (ft)	100			200					100
Storage Blk Time (%)	1	7			2				0
Queuing Penalty (veh)	12	6			0				0

Queuing and Blocking Report
 2035 Build Conditions PM Peak Hour with IMP

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Intersection: 12: University Ave. & Allen Blvd

Movement	EB	EB	EB	EB	WB	WB	WB	WB	SB	SB	SB
Directions Served	L	L	T	T	T	T	R	R	L	L	R
Maximum Queue (ft)	127	134	189	210	706	736	315	142	407	445	274
Average Queue (ft)	65	75	94	102	305	304	78	80	243	252	61
95th Queue (ft)	107	116	159	174	601	612	239	148	369	378	242
Link Distance (ft)			1909	1909	3601	3601			3459	3459	
Upstream Blk Time (%)											
Queuing Penalty (veh)											
Storage Bay Dist (ft)	275	275					300	300			225
Storage Blk Time (%)							6			16	0
Queuing Penalty (veh)							76			26	0

Intersection: 13: Century Ave & High Rd

Movement	EB	EB	WB	WB	NB	NB	SB	SB
Directions Served	LT	TR	LT	TR	L	TR	L	TR
Maximum Queue (ft)	250	251	256	277	48	90	112	147
Average Queue (ft)	120	120	129	143	13	40	51	49
95th Queue (ft)	198	200	241	258	37	79	94	104
Link Distance (ft)	1026	1026	1237	1237		1134		1326
Upstream Blk Time (%)								
Queuing Penalty (veh)								
Storage Bay Dist (ft)					100		100	
Storage Blk Time (%)						0	1	1
Queuing Penalty (veh)						0	1	1

Intersection: 14: Century Ave & Frank Lloyd Wright Ave

Movement	EB	EB	EB	WB	WB	WB	NB	NB	SB	SB
Directions Served	L	T	TR	L	T	TR	LT	R	L	TR
Maximum Queue (ft)	69	233	233	134	274	309	178	151	283	134
Average Queue (ft)	25	108	118	42	114	138	80	71	148	54
95th Queue (ft)	56	190	202	93	241	274	146	130	243	105
Link Distance (ft)		1237	1237		1618	1618	558		273	273
Upstream Blk Time (%)									1	
Queuing Penalty (veh)									0	
Storage Bay Dist (ft)	200			150					100	
Storage Blk Time (%)		1			6		5	2		
Queuing Penalty (veh)		0			6		12	3		

Queuing and Blocking Report
 2035 Build Conditions PM Peak Hour with IMP

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Intersection: 21: County Rd M &

Movement	EB	EB	NB	NB	SB	SB
Directions Served	L	R	L	T	T	R
Maximum Queue (ft)	319	167	224	620	339	195
Average Queue (ft)	155	29	69	275	173	53
95th Queue (ft)	257	95	162	507	295	139
Link Distance (ft)	1514		1548		2902	
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)	200		200		200	
Storage Blk Time (%)	4	0	0	8	3	0
Queuing Penalty (veh)	3	0	0	10	6	0

Intersection: 22: County Rd Q &

Movement	EB	WB	NB	SB
Directions Served	LTR	LTR	LTR	LTR
Maximum Queue (ft)	191	223	53	54
Average Queue (ft)	78	101	4	6
95th Queue (ft)	144	179	25	33
Link Distance (ft)	1137	1048	1609	1687
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

Network Summary

Network wide Queuing Penalty: 732

1: Century Ave & Allen Ct Performance by movement

Movement	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	All
Delay / Veh (s)	28.7	13.5	49.7	10.0	7.1	47.4	7.4	36.2	51.6	40.8	7.4	30.3

Queuing and Blocking Report
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Intersection: 1: Century Ave & Allen Ct

Movement	EB	EB	EB	WB	WB	WB	WB	NB	NB	NB	NB	B46
Directions Served	T	T	R	L	L	T	TR	L	LT	R	R	T
Maximum Queue (ft)	541	548	375	347	369	268	210	198	394	601	375	3539
Average Queue (ft)	310	318	118	219	228	84	86	105	128	312	284	681
95th Queue (ft)	511	521	319	324	339	197	170	169	308	546	396	2981
Link Distance (ft)	1512	1512				2181	2181		1744	1744		3459
Upstream Blk Time (%)												1
Queuing Penalty (veh)												7
Storage Bay Dist (ft)			275	325	325			300			275	
Storage Blk Time (%)		12		1	1					11	12	
Queuing Penalty (veh)		31		3	4					60	68	

Intersection: 1: Century Ave & Allen Ct

Movement	B46	SB	SB
Directions Served	T	L	TR
Maximum Queue (ft)	3542	58	52
Average Queue (ft)	1032	16	17
95th Queue (ft)	3676	45	41
Link Distance (ft)	3459	169	169
Upstream Blk Time (%)	1		
Queuing Penalty (veh)	12		
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			