

Queuing and Blocking Report
 AM No Payne

12/19/2007

Intersection: 71: Superior Ave & E. 26th, Interval #1

Movement	EB	EB	EB	EB	WB	WB	SB	SB
Directions Served	L	T	T	T	T	TR	L	LR
Maximum Queue (ft)	39	48	124	178	44	48	99	160
Average Queue (ft)	16	18	74	108	21	23	46	98
95th Queue (ft)	43	50	133	182	49	52	99	163
Link Distance (ft)		587	587	587	17	17	308	308
Upstream Blk Time (%)					10	10		
Queuing Penalty (veh)					85	92		
Storage Bay Dist (ft)	250							
Storage Blk Time (%)								
Queuing Penalty (veh)								

Intersection: 71: Superior Ave & E. 26th, Interval #2

Movement	EB	EB	EB	EB	WB	WB	SB	SB
Directions Served	L	T	T	T	T	TR	L	LR
Maximum Queue (ft)	48	60	98	168	31	45	157	198
Average Queue (ft)	25	21	60	110	22	25	83	126
95th Queue (ft)	59	60	103	176	42	53	159	207
Link Distance (ft)		587	587	587	17	17	308	308
Upstream Blk Time (%)					13	13		
Queuing Penalty (veh)					132	134		
Storage Bay Dist (ft)	250							
Storage Blk Time (%)								
Queuing Penalty (veh)								

Intersection: 71: Superior Ave & E. 26th, Interval #3

Movement	EB	EB	EB	EB	WB	WB	SB	SB
Directions Served	L	T	T	T	T	TR	L	LR
Maximum Queue (ft)	40	52	119	173	35	57	109	152
Average Queue (ft)	16	22	61	114	24	32	62	91
95th Queue (ft)	44	58	127	178	45	60	118	157
Link Distance (ft)		587	587	587	17	17	308	308
Upstream Blk Time (%)					17	16		
Queuing Penalty (veh)					153	145		
Storage Bay Dist (ft)	250							
Storage Blk Time (%)								
Queuing Penalty (veh)								

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12/19/2007

Intersection: 71: Superior Ave & E. 26th, Interval #4

Movement	EB	EB	EB	EB	WB	WB	SB	SB
Directions Served	L	T	T	T	T	TR	L	LR
Maximum Queue (ft)	39	56	97	169	30	68	106	161
Average Queue (ft)	16	25	59	97	22	36	56	103
95th Queue (ft)	44	65	105	158	44	75	118	165
Link Distance (ft)		587	587	587	17	17	308	308
Upstream Blk Time (%)					15	13		
Queuing Penalty (veh)					128	116		
Storage Bay Dist (ft)	250							
Storage Blk Time (%)								
Queuing Penalty (veh)								

Intersection: 71: Superior Ave & E. 26th, All Intervals

Movement	EB	EB	EB	EB	WB	WB	SB	SB
Directions Served	L	T	T	T	T	TR	L	LR
Maximum Queue (ft)	52	76	144	213	44	84	167	203
Average Queue (ft)	18	21	63	107	22	29	62	104
95th Queue (ft)	48	59	119	174	45	62	128	177
Link Distance (ft)		587	587	587	17	17	308	308
Upstream Blk Time (%)					14	13		
Queuing Penalty (veh)					125	122		
Storage Bay Dist (ft)	250							
Storage Blk Time (%)								
Queuing Penalty (veh)								

Intersection: 84: Superior Ave & Ramp, Interval #1

Movement	EB	EB	EB	EB	WB	WB	WB	NB	NB
Directions Served	L	L	T	T	T	T	TR	L	R
Maximum Queue (ft)	41	59	82	84	155	175	183	312	248
Average Queue (ft)	17	37	37	43	72	109	124	173	136
95th Queue (ft)	46	64	83	94	152	204	210	304	252
Link Distance (ft)		312	312	312	158	158	158		607
Upstream Blk Time (%)					0	2	5		
Queuing Penalty (veh)					1	6	12		
Storage Bay Dist (ft)	150							420	
Storage Blk Time (%)									
Queuing Penalty (veh)									

Intersection: 84: Superior Ave & Ramp, Interval #2

Movement	EB	EB	EB	EB	WB	WB	WB	NB	NB
Directions Served	L	L	T	T	T	T	TR	L	R
Maximum Queue (ft)	41	68	85	82	169	175	169	312	194
Average Queue (ft)	15	40	45	49	102	135	144	206	128
95th Queue (ft)	45	74	91	89	185	195	193	328	205
Link Distance (ft)		312	312	312	158	158	158		607
Upstream Blk Time (%)					1	3	4		
Queuing Penalty (veh)					4	9	13		
Storage Bay Dist (ft)	150							420	
Storage Blk Time (%)									
Queuing Penalty (veh)									

Intersection: 84: Superior Ave & Ramp, Interval #3

Movement	EB	EB	EB	EB	WB	WB	WB	NB	NB
Directions Served	L	L	T	T	T	T	TR	L	R
Maximum Queue (ft)	41	63	76	74	158	176	173	267	154
Average Queue (ft)	16	39	40	39	76	105	121	186	97
95th Queue (ft)	43	66	82	77	162	196	203	271	166
Link Distance (ft)		312	312	312	158	158	158		607
Upstream Blk Time (%)					1	2	4		
Queuing Penalty (veh)					2	5	10		
Storage Bay Dist (ft)	150							420	
Storage Blk Time (%)									
Queuing Penalty (veh)									

Intersection: 84: Superior Ave & Ramp, Interval #4

Movement	EB	EB	EB	EB	WB	WB	WB	NB	NB
Directions Served	L	L	T	T	T	T	TR	L	R
Maximum Queue (ft)	50	70	64	86	128	172	169	260	187
Average Queue (ft)	21	41	33	39	59	112	122	174	110
95th Queue (ft)	51	70	73	86	140	195	198	275	200
Link Distance (ft)		312	312	312	158	158	158		607
Upstream Blk Time (%)					0	1	3		
Queuing Penalty (veh)					0	3	8		
Storage Bay Dist (ft)	150							420	
Storage Blk Time (%)									
Queuing Penalty (veh)									

Intersection: 84: Superior Ave & Ramp, All Intervals

Movement	EB	EB	EB	EB	WB	WB	WB	NB	NB
Directions Served	L	L	T	T	T	T	TR	L	R
Maximum Queue (ft)	59	77	98	98	180	194	190	346	258
Average Queue (ft)	17	39	39	43	77	115	128	185	118
95th Queue (ft)	46	69	83	88	164	201	204	298	211
Link Distance (ft)		312	312	312	158	158	158		607
Upstream Blk Time (%)					1	2	4		
Queuing Penalty (veh)					2	6	11		
Storage Bay Dist (ft)	150							420	
Storage Blk Time (%)									
Queuing Penalty (veh)									

Intersection: 87: Superior Ave & Ramp, Interval #1

Movement	EB	EB	EB	WB	WB	WB	WB	SB	SB	SB
Directions Served	T	T	TR	L	L	T	T	L	R	R
Maximum Queue (ft)	36	36	44	141	153	283	300	87	258	292
Average Queue (ft)	21	30	33	85	100	184	207	44	191	215
95th Queue (ft)	46	44	45	143	159	292	305	93	281	316
Link Distance (ft)	17	17	17		312	312	312	956	956	956
Upstream Blk Time (%)	10	18	29			1	1			
Queuing Penalty (veh)	23	39	61			2	4			
Storage Bay Dist (ft)				150						
Storage Blk Time (%)				1	3					
Queuing Penalty (veh)				1	4					

Intersection: 87: Superior Ave & Ramp, Interval #2

Movement	EB	EB	EB	WB	WB	WB	WB	SB	SB	SB
Directions Served	T	T	TR	L	L	T	T	L	R	R
Maximum Queue (ft)	36	31	45	136	175	314	330	357	539	544
Average Queue (ft)	25	30	35	103	127	220	228	134	329	346
95th Queue (ft)	47	39	50	161	230	355	350	430	567	579
Link Distance (ft)	17	17	17		312	312	312	956	956	956
Upstream Blk Time (%)	12	18	25		0	2	3			
Queuing Penalty (veh)	29	46	63		1	8	13			
Storage Bay Dist (ft)				150						
Storage Blk Time (%)				3	9					
Queuing Penalty (veh)				5	13					

Intersection: 87: Superior Ave & Ramp, Interval #3

Movement	EB	EB	EB	WB	WB	WB	WB	SB	SB	SB
Directions Served	T	T	TR	L	L	T	T	L	R	R
Maximum Queue (ft)	45	36	50	138	158	314	307	366	525	545
Average Queue (ft)	22	29	34	95	109	185	204	214	424	441
95th Queue (ft)	52	45	48	157	177	287	299	597	657	684
Link Distance (ft)	17	17	17		312	312	312	956	956	956
Upstream Blk Time (%)	11	19	26			1	2			
Queuing Penalty (veh)	23	41	57			4	6			
Storage Bay Dist (ft)				150						
Storage Blk Time (%)				0	5					
Queuing Penalty (veh)				0	6					

Intersection: 87: Superior Ave & Ramp, Interval #4

Movement	EB	EB	EB	WB	WB	WB	WB	SB	SB	SB
Directions Served	T	T	TR	L	L	T	T	L	R	R
Maximum Queue (ft)	44	48	50	143	152	287	311	156	388	413
Average Queue (ft)	22	30	36	87	100	197	217	48	318	339
95th Queue (ft)	53	52	54	144	152	304	324	180	490	513
Link Distance (ft)	17	17	17		312	312	312	956	956	956
Upstream Blk Time (%)	10	16	26			1	1			
Queuing Penalty (veh)	22	35	56			3	3			
Storage Bay Dist (ft)				150						
Storage Blk Time (%)				0	2					
Queuing Penalty (veh)				0	2					

Intersection: 87: Superior Ave & Ramp, All Intervals

Movement	EB	EB	EB	WB	WB	WB	WB	SB	SB	SB
Directions Served	T	T	TR	L	L	T	T	L	R	R
Maximum Queue (ft)	53	54	55	165	215	338	339	410	556	577
Average Queue (ft)	22	30	35	92	109	197	214	110	315	335
95th Queue (ft)	50	46	49	153	184	313	321	387	552	572
Link Distance (ft)	17	17	17		312	312	312	956	956	956
Upstream Blk Time (%)	11	18	27		0	1	2			
Queuing Penalty (veh)	24	40	59		0	5	7			
Storage Bay Dist (ft)				150						
Storage Blk Time (%)				1	4					
Queuing Penalty (veh)				1	6					

Queuing and Blocking Report
AM No Payne

12/19/2007

Intersection: 98: Superior Ave & E. 30th, Interval #1

Movement	EB	EB	EB	WB	WB	WB	WB	NB	NB	SB	SB
Directions Served	L	T	TR	L	T	T	TR	L	TR	L	TR
Maximum Queue (ft)	104	143	186	148	101	138	163	137	290	34	168
Average Queue (ft)	54	99	123	95	59	90	115	70	166	9	92
95th Queue (ft)	105	165	192	163	108	145	170	137	280	32	173
Link Distance (ft)		158	158		624	624	624		859		371
Upstream Blk Time (%)		1	3								
Queuing Penalty (veh)		2	8								
Storage Bay Dist (ft)	200			200				150		150	
Storage Blk Time (%)		1						9			1
Queuing Penalty (veh)		0						11			0

Intersection: 98: Superior Ave & E. 30th, Interval #2

Movement	EB	EB	EB	WB	WB	WB	WB	NB	NB	SB	SB
Directions Served	L	T	TR	L	T	T	TR	L	TR	L	TR
Maximum Queue (ft)	94	144	182	141	113	146	169	146	402	42	213
Average Queue (ft)	53	100	118	96	60	79	104	86	253	21	107
95th Queue (ft)	106	155	183	154	113	146	172	169	436	52	224
Link Distance (ft)		158	158		624	624	624		859		371
Upstream Blk Time (%)		0	2								
Queuing Penalty (veh)		0	7								
Storage Bay Dist (ft)	200			200				150		150	
Storage Blk Time (%)		0		0				0	20		3
Queuing Penalty (veh)		0		0				0	29		1

Intersection: 98: Superior Ave & E. 30th, Interval #3

Movement	EB	EB	EB	WB	WB	WB	WB	NB	NB	SB	SB
Directions Served	L	T	TR	L	T	T	TR	L	TR	L	TR
Maximum Queue (ft)	92	153	174	127	88	108	144	174	325	67	171
Average Queue (ft)	43	96	118	86	52	78	104	96	192	17	99
95th Queue (ft)	95	157	182	143	92	116	156	187	322	69	183
Link Distance (ft)		158	158		624	624	624		859		371
Upstream Blk Time (%)	0	1	4								
Queuing Penalty (veh)	0	2	11								
Storage Bay Dist (ft)	200			200				150		150	
Storage Blk Time (%)	0	1						0	11		3
Queuing Penalty (veh)	0	0						0	14		0

Intersection: 98: Superior Ave & E. 30th, Interval #4

Movement	EB	EB	EB	WB	WB	WB	WB	NB	NB	SB	SB
Directions Served	L	T	TR	L	T	T	TR	L	TR	L	TR
Maximum Queue (ft)	76	160	179	172	112	176	180	138	280	38	167
Average Queue (ft)	40	102	115	86	63	100	122	71	162	18	93
95th Queue (ft)	73	171	188	150	117	169	202	152	294	46	175
Link Distance (ft)		158	158		624	624	624		859		371
Upstream Blk Time (%)		1	3								
Queuing Penalty (veh)		4	10								
Storage Bay Dist (ft)	200			200				150		150	
Storage Blk Time (%)		1		0				0	10		2
Queuing Penalty (veh)		1		0				1	13		0

Intersection: 98: Superior Ave & E. 30th, All Intervals

Movement	EB	EB	EB	WB	WB	WB	WB	NB	NB	SB	SB
Directions Served	L	T	TR	L	T	T	TR	L	TR	L	TR
Maximum Queue (ft)	127	164	187	184	134	208	218	174	414	76	234
Average Queue (ft)	47	99	119	91	58	87	111	81	193	16	98
95th Queue (ft)	96	162	186	153	108	147	177	164	348	52	190
Link Distance (ft)		158	158		624	624	624		859		371
Upstream Blk Time (%)	0	1	3								
Queuing Penalty (veh)	0	2	9								
Storage Bay Dist (ft)	200			200				150		150	
Storage Blk Time (%)	0	1		0				0	12		2
Queuing Penalty (veh)	0	0		0				0	17		0

Intersection: 112: Superior Ave & E. 24th, Interval #1

Movement	EB	EB	EB	EB	WB	WB	WB	WB	NB	SB
Directions Served	L	T	T	TR	L	T	T	TR	LTR	LTR
Maximum Queue (ft)	35	43	57	74	40	65	72	102	88	86
Average Queue (ft)	16	17	30	47	13	19	28	59	45	38
95th Queue (ft)	41	47	56	78	41	60	70	107	89	84
Link Distance (ft)		527	527	527		587	587	587	242	581
Upstream Blk Time (%)										
Queuing Penalty (veh)										
Storage Bay Dist (ft)	175				150					
Storage Blk Time (%)										
Queuing Penalty (veh)										

Intersection: 112: Superior Ave & E. 24th, Interval #2

Movement	EB	EB	EB	EB	WB	WB	WB	WB	NB	SB
Directions Served	L	T	T	TR	L	T	T	TR	LTR	LTR
Maximum Queue (ft)	39	53	72	96	47	35	56	86	96	74
Average Queue (ft)	15	23	37	54	21	9	28	55	55	38
95th Queue (ft)	41	55	77	96	55	33	55	89	96	79
Link Distance (ft)		527	527	527		587	587	587	242	581
Upstream Blk Time (%)										
Queuing Penalty (veh)										
Storage Bay Dist (ft)	175				150					
Storage Blk Time (%)										
Queuing Penalty (veh)										

Intersection: 112: Superior Ave & E. 24th, Interval #3

Movement	EB	EB	EB	EB	WB	WB	WB	WB	NB	SB
Directions Served	L	T	T	TR	L	T	T	TR	LTR	LTR
Maximum Queue (ft)	31	48	48	73	35	53	51	86	94	72
Average Queue (ft)	16	21	25	45	15	20	23	46	48	32
95th Queue (ft)	40	52	56	76	42	56	52	91	97	77
Link Distance (ft)		527	527	527		587	587	587	242	581
Upstream Blk Time (%)										
Queuing Penalty (veh)										
Storage Bay Dist (ft)	175				150					
Storage Blk Time (%)										
Queuing Penalty (veh)										

Intersection: 112: Superior Ave & E. 24th, Interval #4

Movement	EB	EB	EB	EB	WB	WB	WB	WB	NB	SB
Directions Served	L	T	T	TR	L	T	T	TR	LTR	LTR
Maximum Queue (ft)	43	43	66	78	30	40	46	86	81	99
Average Queue (ft)	16	26	29	46	15	17	27	52	42	42
95th Queue (ft)	41	53	67	88	42	45	58	90	85	93
Link Distance (ft)		527	527	527		587	587	587	242	581
Upstream Blk Time (%)										
Queuing Penalty (veh)										
Storage Bay Dist (ft)	175				150					
Storage Blk Time (%)										
Queuing Penalty (veh)										

Intersection: 112: Superior Ave & E. 24th, All Intervals

Movement	EB	EB	EB	EB	WB	WB	WB	WB	NB	SB
Directions Served	L	T	T	TR	L	T	T	TR	LTR	LTR
Maximum Queue (ft)	48	61	81	100	55	70	76	118	115	113
Average Queue (ft)	15	22	30	48	16	16	26	53	48	37
95th Queue (ft)	41	52	65	85	46	50	59	95	93	84
Link Distance (ft)		527	527	527		587	587	587	242	581
Upstream Blk Time (%)										
Queuing Penalty (veh)										
Storage Bay Dist (ft)	175				150					
Storage Blk Time (%)										
Queuing Penalty (veh)										

Network Summary

Network wide Queuing Penalty, Interval #1: 353
Network wide Queuing Penalty, Interval #2: 506
Network wide Queuing Penalty, Interval #3: 480
Network wide Queuing Penalty, Interval #4: 407
Network wide Queuing Penalty, All Intervals: 437