

# Transportation Study Future Conditions Summary



DRAFT | January 2024

## Introduction

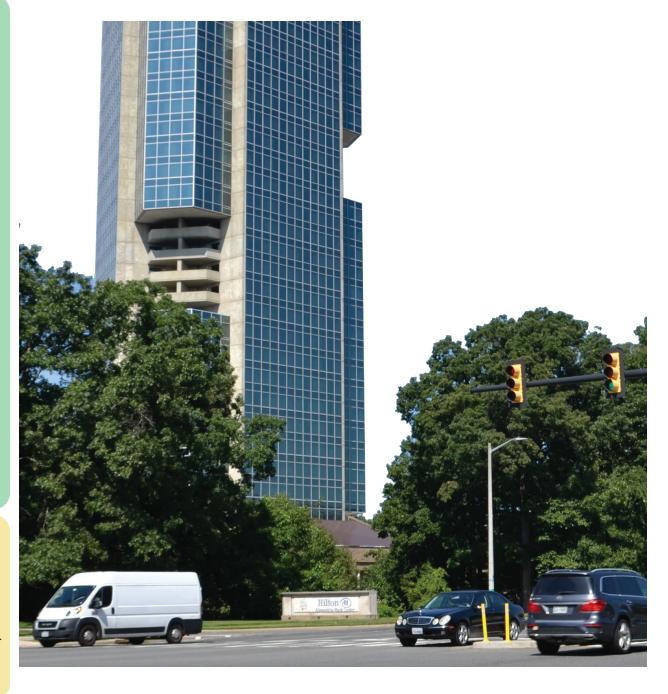
A traffic study has been prepared by Kimley-Horn and Associates to evaluate the impacts of the changing traffic demands on the surrounding transportation network with the Alexandria West Plan. Major study area corridors include N Beauregard Street, Seminary Road, Little River Turnpike, W Braddock Road, Sanger Avenue, and King Street. The traffic study analyzes the transportation network under the following land use scenarios:

- 2022 Existing Conditions
- 2045 Base Conditions Based on forecasted volumes from the Metropolitan Washington Council of Government (MWCOG) travel demand models.
- 2045 Sensitivity Test Considers a 30% growth in addition to the 2045 projected growth.

This document serves as a draft summary on the analysis of the different land use scenarios. A final report will be released Spring 2024.

## Methodology

- Evaluate traffic operations based on existing conditions, 2045 Base Conditions, and 2045 Sensitivity Test
- Analyze 15 study area intersections
- Conduct Intersection operational analysis of delay and queuing under AM and PM peak hour conditions









# **Existing Conditions - Key Takeaways**

- The most significant delays occur on Beauregard Street, especially at King Street, Little River Turnpike, and Seminary Road (intersections that connect travelers to I-395)
- There is generally more delay in the morning than the evening, particularly around schools. However, there is more delay in the evenings around commercial centers.







# 2045 Base Conditions - Key Takeaways

Compared to 2022 Existing Conditions:

- Traffic conditions get a bit worse in areas where roads connect to I-395 along Little River Turnpike and King Street.
- Signal timing changes helps traffic flow on Beauregard Street
- Delays primarily increase on the side-streets off of Seminary Road, King Street, and Beauregard Street







2045 Sensitivity Test - Increased Traffic Volumes - Key Takeaways Compared to 2045 Base Conditions:

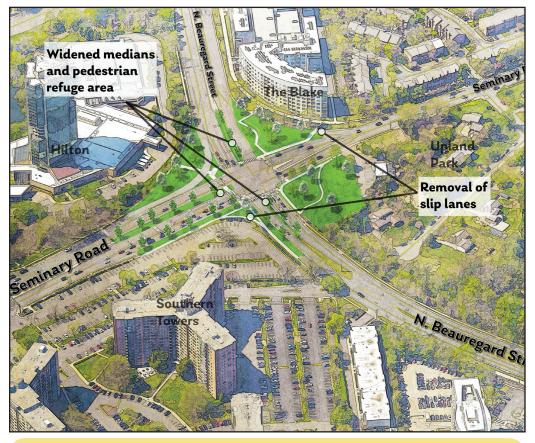
- Overall traffic delays are relatively unchanged (<10 seconds)
- Traffic delays in the evening are somewhat higher than the morning
- The turns and approaches on Little River Turnpike, Sanger Avenue, and King Street might experience slightly more congestion



# **Transportation Improvements**

This analysis does not assume any additional infrastructure improvements. However, staff has preliminarily identified additional improvements that could further improve overall network functionality and safety. In particular, staff will further study the following potential improvements:

- Seminary Road and N. Beauregard Street Compact intersection to maintain operations and improve safety
- Seminary Road and Mark Center Drive Operational and safety improvements
- Seminary Road and I-395
  - Staff has identified this interchange as the primary cause of the safety and operational issues on Seminary Road between Beauregard and I-395, as well as the two adjacent intersections.
- Sanger Avenue and N. Beauregard Street West End Transitway improvements for safety
- Improved roadway connectivity to provide additional options for existing and future residents to access their homes and other neighborhood destinations.
- Improved mode options by providing:
  - Reliable Transit Service (West End Transitway)
  - Pedestrian and Bike Connectivity
    - N. Beauregard Street multi-use trail
    - Proposed paths in the updated AlexWest Small Area Plan
    - Improved intersection crossings through both existing and future projects and adjacent developer efforts



# **Seminary and Beauregard Intersection**

Preliminary concept of improvements at Seminary Road and N. Beauregard Street to maintain current operations and improve safety for all users





# Appendix

Capacity and Queuing Analysis Tables



#### Legend (2045 Base compared to 2022 Existing, 2045 Sensitivity Analysis 1 compared to 2045 Base)

Delay decreases by 5 seconds or more and/or queue length decreases by 50 feet or more Delay increases by 5 seconds or more and/or queue length increases by 50 feet or more

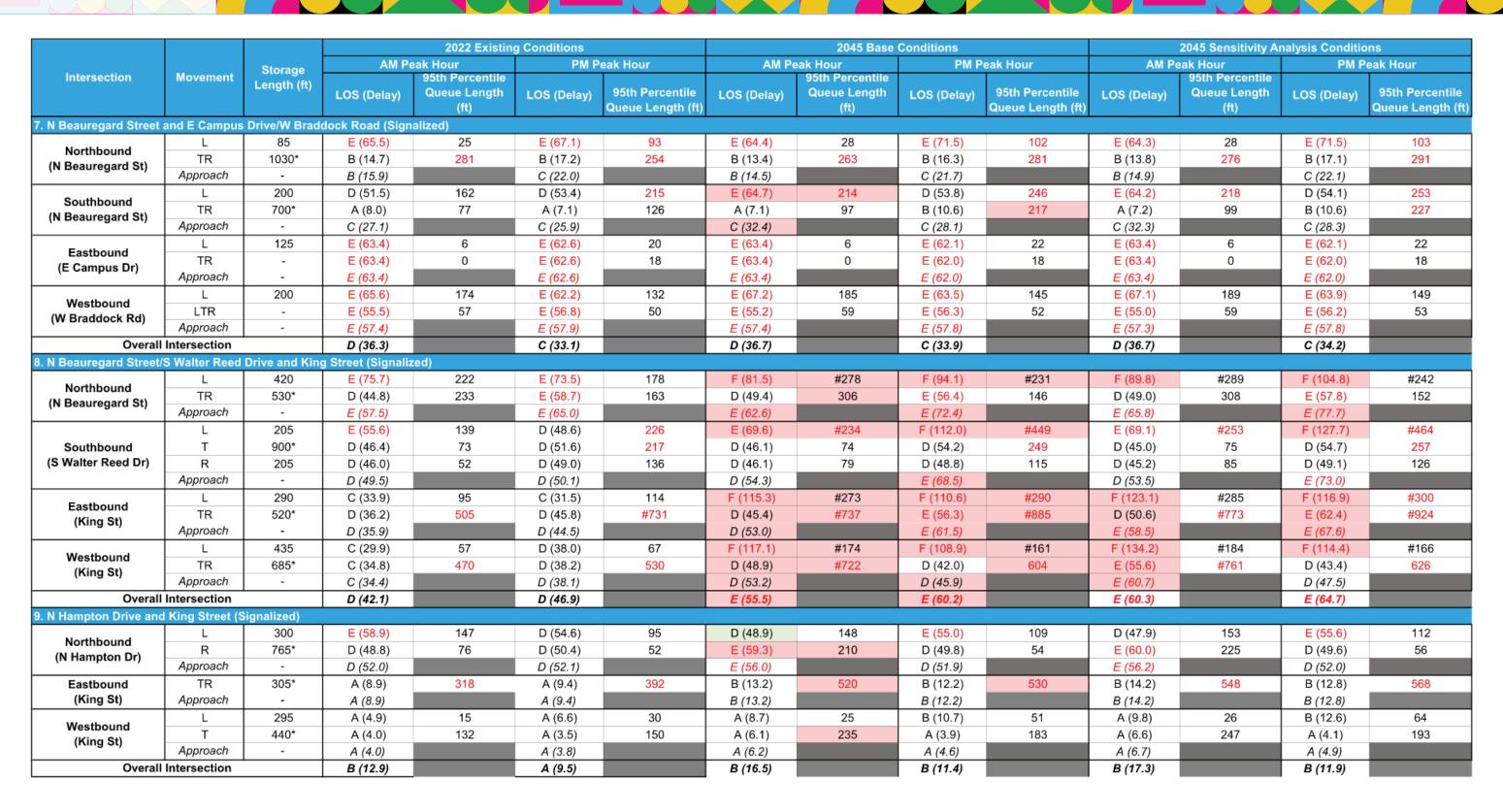
	Delay increases	Storage Length (ft)	nore and/or queue	2022 Existin				2045 Base	Conditions		2045 Sensitivity Analysis Conditions			
			AM Peak Hour		PM Peak Hour					eak Hour	AM P	eak Hour	PM Peak Hour	
Intersection	Movement		LOS (Delay)	95th Percentile Queue Length (ft)	LOS (Delay)	95th Percentile Queue Length (ft)	LOS (Delay)	95th Percentile Queue Length (ft)	LOS (Delay)	95th Percentile Queue Length (ft)	LOS (Delay)	95th Percentile Queue Length (ft)	LOS (Delay)	95th Percentile Queue Length (ft
I. N Beauregard Street	and Little Rive	r Turnpike (Sig	gnalized)											
	L	135	F (101.4)	#210	F (170.9)	#358	F (125.4)	#265	F (163.6)	#367	F (129.3)	#273	F (168.4)	#373
Northbound	Т	-	E (78.9)	120	F (119.9)	#285	F (80.8)	128	F (116.9)	#289	F (80.7)	131	F (119.2)	#295
(N Beauregard St)	R	-	E (70.8)	83	E (79.6)	149	E (72.5)	91	E (78.6)	157	E (72.4)	92	E (78.5)	161
	Approach	-	F (88.9)		F (131.5)		F (102.1)		F (127.2)		F (104.2)		F (129.8)	
	L	650*	E (74.6)	m367	F (106.1)	m#870	E (64.9)	m430	F (94.3)	m#853	E (65.0)	m438	F (96.1)	m#876
Southbound	LT		E (73.7)	m367	F (104.8)	m#877	E (64.8)	m431	F (92.7)	m#858	E (64.4)	m441	F (94.4)	m#875
(N Beauregard St)	R	670*	E (60.4)	m77	E (56.9)	m166	E (65.7)	m102	E (59.8)	m186	E (62.8)	m105	E (59.7)	m191
	Approach	-	E (70.7)		F (95.6)		E (65.1)		F (86.7)		E (64.2)		F (88.0)	
Eastbound	L	400	F (84.7)	194	F (122.7)	#306	F (92.2)	239	F (129.6)	#377	F (95.2)	#263	F (144.7)	#409
(Little River Tpke)	TR	680*	C (34.6)	577	D (48.0)	693	D (42.9)	804	E (63.2)	956	D (43.7)	805	E (64.3)	956
(Entire Hiver Tpice)	Approach	-	D (44.4)		E (64.6)		D (52.5)		E (77.9)		D (54.1)		F (82.9)	
	L	220	F (86.2)	80	F (116.3)	211	F (93.3)	94	F (151.3)	#313	F (97.2)	98	F (159.6)	#336
Westbound	Т	335*	D (44.5)	635	D (54.3)	756	E (59.3)	#928	F (90.5)	#1158	E (61.2)	#928	F (92.1)	#1158
(Little River Tpke)	R	000	B (12.9)	59	B (14.1)	249	B (14.2)	160	B (17.6)	347	B (14.8)	182	B (18.3)	381
	Approach	-	D (37.7)		D (47.3)		D (48.9)		E (74.6)		D (50.1)		E (75.8)	
Overall	Intersection		D (50.9)		E (71.2)		E (56.4)		F (82.0)		E (57.4)		F (84.5)	
. N Beauregard Street	and Glouceste	r Road/Lincolr	nia Road (Signal	ized)										
Northbound	L	210	B (10.0)	5	A (9.9)	9	B (10.3)	6	B (10.2)	9	B (10.4)	6	B (10.4)	10
(N Beauregard St)	TR	850*	B (11.9)	83	B (13.5)	141	B (12.4)	93	B (14.1)	152	B (12.5)	95	B (14.3)	158
(** = *********************************	Approach	-	B (11.8)		B (13.4)		B (12.4)		B (14.0)		B (12.5)		B (14.2)	
Southbound	L	200	B (10.0)	11	B (10.2)	20	B (10.5)	12	B (10.6)	21	B (10.6)	13	B (10.7)	22
(N Beauregard St)	TR	820*	B (12.2)	106	B (12.0)	113	B (12.8)	118	B (12.5)	122	B (13.0)	121	B (12.6)	127
(···	Approach	-	B (12.1)		B (11.9)		B (12.8)		B (12.3)		B (12.9)		B (12.5)	
Eastbound	LTR	-	B (11.4)	0	B (13.0)	0	B (11.1)	0	B (13.1)	0	B (11.0)	0	B (13.1)	0
(Gloucester Rd)	Approach	-	B (11.4)		B (13.0)		B (11.1)		B (13.1)		B (11.0)		B (13.1)	
Westbound	LT	-	B (14.6)	113	B (17.1)	133	B (14.5)	122	B (17.3)	142	B (14.5)	125	B (17.4)	145
(Lincolnia Rd)	R	60	B (11.4)	5	B (13.2)	21	B (11.1)	6	B (13.3)	23	B (11.1)	6	B (13.3)	23
	Approach	-	B (14.2)		B (16.2)		B (14.1)		B (16.4)		B (14.1)		B (16.5)	
	Intersection		B (12.4)		B (13.4)		B (12.9)		B (13.9)		B (13.0)		B (14.0)	
. N Beauregard Street	and Quantrell													
Northbound	Т Т	835*	A (3.2)	36	A (2.9)	52	A (4.2)	37	A (3.4)	52	A (4.2)	38	A (3.4)	53
(N Beauregard St)	R	110	A (3.0)	8	A (2.6)	11	A (3.8)	9	A (2.9)	12	A (3.8)	9	A (2.9)	12
	Approach	-	A (3.2)		A (2.9)		A (4.1)		A (3.3)		A (4.2)		A (3.3)	
Southbound	L	120	A (1.9)	9	A (3.6)	21	A (2.3)	9	A (4.2)	22	A (2.4)	10	A (4.3)	23
(N Beauregard St)	T .	835*	A (2.0)	33	A (3.7)	53	A (2.5)	32	A (4.3)	54	A (2.5)	33	A (4.3)	56
	Approach	-	A (2.0)		A (3.7)		A (2.4)		A (4.3)		A (2.5)		A (4.3)	
Westbound	L	-	D (35.5)	98	D (38.8)	89	C (22.7)	74	C (30.2)	77	C (22.8)	75	C (30.2)	77
(Quantrell Ave)	R	35	C (32.1)	46	C (34.1)	40	C (20.7)	38	C (26.9)	36	C (20.7)	38	C (26.9)	36
	Approach	-	C (33.6)		D (36.5)		C (21.6)		C (28.5)		C (21.6)		C (28.6)	
Overall	Intersection		A (9.8)		A (8.4)		A (7.5)		A (7.7)		A (7.5)		A (7.7)	

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	Movement	Storage	2022 Existing Conditions				2045 Base	Conditions		2045 Sensitivity Analysis Conditions				
			AM Peak Hour		PM Peak Hour		AM Peak Hour		PM Peak Hour		AM Peak Hour		PM Peak Hour	
Intersection		Length (ft)		95th Percentile				95th Percentile				95th Percentile		
		Longin (it)	LOS (Delay)	Queue Length	LOS (Delay)	95th Percentile	LOS (Delay)	Queue Length	LOS (Delay)	95th Percentile	LOS (Delay)	Queue Length	LOS (Delay)	95th Percentile
4 N.D		· (0)		(ft)		Queue Length (ft)		(ft)		Queue Length (ft)		(ft)		Queue Length (ft)
4. N Beauregard Street	and Sanger Av		0 (04.5)	100	0 (05.0)	50	0 (00.4)	400	0 (00 0)	00	0 (00 0)	400	0 (00 0)	
Northbound		190	C (24.5)	109	C (25.6)	59	C (33.1)	126	C (28.8)	63	C (33.3)	126	C (29.2)	63
(N Beauregard St)	TR	870*	C (34.2)	403	D (41.9)	515	D (47.1)	489	D (45.4)	546	D (47.7)	500	D (46.3)	553
	Approach	-	C (33.0)	477	D (40.8)	0.07	D (45.3)	010	D (44.3)		D (46.0)	212	D (45.1)	
Southbound	L	185	B (19.0)	177	D (50.1)	335	C (28.4)	212	E (63.8)	#404	C (29.3)	216	E (68.9)	#422
(N Beauregard St)	TR	880*	C (24.5)	151	C (28.7)	267	C (32.7)	177	C (28.2)	274	C (32.8)	180	C (28.4)	277
	Approach	-	C (22.3)	100	D (36.4)	10.7	C (31.0)		D (41.0)	***	C (31.4)	212	D (43.0)	
Eastbound	LTR	-	F (82.1)	190	E (73.7)	135	F (89.2)	210	F (85.4)	#167	F (89.2)	210	F (85.5)	#167
(Sanger Ave)	Approach	-	F (82.1)		E (73.7)		F (89.2)		F (85.4)		F (89.2)		F (85.5)	
Westbound	LT	-	F (157.1)	#458	F (92.2)	#502	E (72.7)	370	F (87.2)	#457	E (72.9)	375	F (88.8)	#474
(Sanger Ave)	TR	-	F (99.6)	#556	D (36.1)	199	E (60.1)	481	C (34.2)	203	E (61.0)	501	C (34.0)	208
, , ,	Approach	-	F (123.4)		E (69.7)		E (65.3)		E (66.0)		E (65.9)		E (66.8)	
	Intersection		E (59.9)		D (47.1)		D (52.6)		D (50.4)		D (53.1)		D (51.6)	
5. N Beauregard Street	and Mark Cent							-						
Northbound	L	175	D (47.1)	18	E (65.8)	m27	F (81.2)	25	E (73.2)	m28	F (80.1)	24	E (73.3)	m27
(N Beauregard St)	TR	675*	B (16.9)	323	A (4.5)	103	B (13.3)	198	A (5.2)	100	B (13.4)	202	A (5.2)	101
, , ,	Approach	-	B (17.1)		A (5.1)		B (13.7)		A (5.8)		B (13.8)		A (5.9)	
Southbound	L	390	C (24.9)	114	F (85.5)	m80	D (40.1)	178	F (90.2)	m88	D (40.3)	183	F (90.9)	m87
(N Beauregard St)	TR	645*	A (1.4)	78	A (4.2)	184	A (2.4)	251	A (9.2)	423	A (2.5)	257	A (9.2)	428
	Approach	-	A (8.0)		B (12.2)		B (13.1)		B (17.3)		B (13.2)		B (17.3)	
Eastbound	L	-	E (58.0)	53	D (54.7)	75	E (58.0)	56	D (54.8)	77	E (58.0)	56	D (54.8)	77
(Mark Center Dr)	TR	-	E (56.5)	19	D (52.6)	25	E (56.4)	18	D (52.6)	25	E (56.4)	18	D (52.6)	25
	Approach	-	E (57.7)		D (54.2)		E (57.7)		D (54.3)		E (57.7)		D (54.3)	
Westbound	LT	-	E (57.5)	34	D (54.8)	72	E (57.5)	35	E (55.0)	75	E (57.5)	35	E (55.0)	75
(Mark Center Dr)	R	-	C (28.2)	12	D (44.9)	34	C (28.1)	12	D (44.7)	35	C (28.1)	13	D (44.7)	35
, ,	Approach	-	D (36.6)		D (48.9)		D (36.7)		D (48.8)		D (36.5)		D (48.7)	
	Intersection		B (14.0)		B (12.6)		B (14.8)		B (15.4)		B (14.9)		B (15.4)	
6. N Beauregard Street	and Seminary I													
		190	E (69.1)	175	D (48.0)	145	D (51.1)	186	E (57.9)	139	D (50.9)	189	E (57.9)	140
Northbound	T	655*	F (82.5)	169	D (49.4)	124	C (33.0)	121	D (36.5)	88	C (33.0)	123	D (36.4)	89
(N Beauregard St)	R	585	F (81.2)	515	D (40.5)	168	D (51.5)	221	D (49.5)	190	D (52.6)	232	D (49.8)	194
	Approach	-	E (78.4)	400	D (44.8)	000	D (46.7)	457	D (48.7)	410.1.1	D (47.2)	450	D (48.9)	WC = 1
Southbound	<u> </u>	245	E (63.8)	138	E (59.3)	238	E (79.3)	157	E (57.4)	#244	E (79.5)	159	E (57.8)	#254
(N Beauregard St)	TR	1240*	E (78.5)	152	E (58.6)	196	D (50.7)	152	E (57.1)	186	D (50.3)	153	E (57.1)	188
	Approach	-	E (74.4)	50	E (58.8)		E (58.7)	F.1	E (57.2)	51	E (58.4)	50	E (57.4)	
Eastbound	<u> </u>	125	D (53.2)	56	E (71.0)	m69	E (66.3)	51	D (54.5)	m51	E (66.5)	52	E (55.4)	m52
(Seminary Rd)	TR	555*	C (29.7)	278	B (13.6)	109	C (21.6)	214	C (21.1)	401	C (22.1)	233	C (21.5)	431
	Approach	-	C (30.4)	460	B (15.1)	450	C (23.0)	460	C (22.0)	46.	C (23.4)	400	C (22.4)	40-
		350	C (30.8)	189	D (44.6)	158	C (24.6)	180	D (35.6)	124	C (24.7)	183	D (35.5)	125
Westbound	T	610*	A (6.0)	64	A (7.0)	57	A (4.1)	30	A (8.0)	76	A (4.1)	30	A (8.1)	77
(Seminary Rd)	R	355	A (2.5)	0	A (2.7)	1	A (2.4)	1	A (2.1)	3	A (2.4)	1	A (2.1)	3
	Approach	-	B (13.8)		B (16.3)		B (10.7)		B (14.5)		B (10.7)		B (14.6)	
Overall	Intersection		D (37.9)		C (26.5)		C (25.9)		C (28.8)		C (26.1)		C (29.0)	









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	Movement	Storage	2022 Existing Conditions				2045 Base	Conditions		2045 Sensitivity Analysis Conditions				
			AM Peak Hour		PM P	eak Hour	AM Peak Hour		PM Peak Hour		AM Peak Hour		PM Peak Hour	
Intersection		Movement	Storage Length (ft)		95th Percentile				95th Percentile				95th Percentile	
		Longin (it)	LOS (Delay)	Queue Length	LOS (Delay)	95th Percentile	LOS (Delay)	Queue Length	LOS (Delay)	95th Percentile	LOS (Delay)	Queue Length	LOS (Delay)	95th Percentile
40 N.H.	1111 B	D I /0' !'	- 0	(ft)		Queue Length (ft)		(ft)		Queue Length (ft)		(ft)		Queue Length (ft)
10. N Hampton Drive ar		Road (Signaliz		67	0 (04.4)	40	D (05.5)	7.4	0 (24.4)	47	D (25.5)	7.4	0 (24.4)	47
Northbound	LT	-	D (36.5)	67	C (31.1)	43	D (35.5)	74	C (31.4)	47	D (35.5)	74	C (31.4)	47
(N Hampton Dr)	R	-	C (34.9)	0	C (30.5)	0	C (33.7)	0	C (30.6)	0	C (33.7)	0	C (30.6)	0
	Approach	-	D (36.1)	440	C (30.9)	470	D (35.0)	407	C (31.1)	#220	D (35.0)	407	C (31.1)	#220
Southbound	LT	-	D (47.2)	112	D (48.6)	170	D (49.0)	127	E (55.7)	#220	D (49.0)	127	E (55.7)	#220
(N Hampton Dr)	R	40	D (35.0)	0	C (30.8)	32	C (33.9)	5	C (31.0)	44	C (33.9)	5	C (31.0)	44
	Approach	185	D (43.3)	44	D (42.2)	40	D (44.2)	47	D (46.9)	44	D (44.2)	47	D (46.9)	44
Eastbound	TR	165	A (4.4)	41	A (6.6)	40	A (4.9)	47	A (6.7)	44	A (4.9)	47	A (6.7)	44
(W Braddock Rd)	1 1	-	A (6.6)	67	A (9.7)	101	A (7.2)	74	B (10.5)	111	A (7.2)	74	B (10.5)	111
	Approach	185	A (6.0)	0	A (9.1)	15	A (6.5)	0	A (9.7)	16	A (6.5)	0	A (9.7)	16
Weethermal	T	165	A (7.7)	8	A (8.2)	15	A (8.3)	9	A (9.1)	16	A (8.3)	9	A (9.1)	16
Westbound (W Braddock Rd)	<u> </u>	105	A (9.8)	133	B (10.7)	98	B (10.7)	149	B (12.1)	108	B (10.7)	149	B (12.1)	108
(** Braddock Rd)	R Approach	185	A (8.9)	33	B (10.1)	30	A (9.6)	35	B (11.3)	33	A (9.6)	35	B (11.3)	33
Overell	Approach Intersection	-	A (9.6)		B (10.4)		B (10.4)		B (11.8)		B (10.4)		B (11.8)	
		(Cianalizad)	B (14.1)		B (16.8)		B (15.1)		B (18.9)		B (15.1)		B (18.9)	
11. Seminary Road and	LTR	e (Signalized)	E (60.0)	62	D (54.8)	55	E (60.9)	64	D (54.2)	57	E (60.9)	64	D (54.2)	57
Northbound (Dawes Ave)	Approach	-	E (60.9) E (60.9)	02	D (54.8)	55	E (60.8) E (60.8)	04	D (54.2)	57	E (60.8) E (60.8)	04	D (54.2)	57
(Dawes Ave)		-	, ,	52		144	. /	EC.	D (54.2)	151		EC	D (54.2)	151
Southbound	LT R	-	E (61.4)	53	E (64.9)	144 7	E (61.6)	56	E (67.2)	154	E (61.6)	56	E (67.2)	154
(Dawes Ave)		-	E (59.5)	0	D (54.1)	/	E (59.5)	0	D (53.5)	12	E (59.5)	0	D (53.5)	12
	Approach	-	E (60.7)	24	E (61.6)	40	E (60.8)	00	E (62.9)	40	E (60.8)	00	E (62.9)	40
Eastbound	TD	280 570*	A (4.3)	21	A (6.6)	18	A (4.7)	23	A (7.2)	19	A (4.8)	23	A (7.4)	19
(Seminary Rd)	TR Approach	5/0"	A (6.1)	256	B (13.2)	581	A (6.5)	288	B (15.0)	658	A (6.5)	299	B (15.6)	689
	Approach	105	A (6.1)		B (13.1)	118	A (6.4)	2	B (14.8)	126	A (6.5)	2	B (15.4)	129
Westbound	TR	425*	A (0.6)	6 37	C (23.6)	324	A (0.3)	2 14	D (45.6)	140	A (0.3)	2 16	D (46.0)	143
(Seminary Rd)	Approach	425	A (1.2)	31	A (6.3)	324	A (1.2)	14	A (3.6)	140	A (1.1)	10	A (3.6)	143
Overall	Intersection	-	A (1.2) A (6.2)		A (8.0) B (14.5)		A (1.1) A (6.2)		A (7.7) B (15.2)		A (1.1) A (6.2)		A (7.7) B (15.5)	
12. Seminary Road and		uo (Unsignaliza			B (14.3)		A (0.2)		B (13.2)		A (0.2)		В (15.5)	
Southbound		ae (Onsignalizo	B (14.9)	9	B (12.3)	10	C (15.5)	11	B (11.8)	10	C (16.0)	11	B (11.9)	10
(Fillmore Ave)	Approach	_	B (14.9)	3	B (12.3)	10	C (15.5)	11	B (11.8)	10	C (16.0)	11	B (11.9)	10
Eastbound	LT	440*	A (0.9)	6	A (0.8)	7	A (1.0)	7	A (0.9)	8	A (1.0)	7	A (0.9)	8
(Seminary Rd)	Approach	-	A (0.9)		A (0.8)	,	A (1.0)	,	A (0.9)	U U	A (1.0)	'	A (0.9)	
Westbound	TR	446*	A (0.9)	0	A (0.0)	0	A (7.0)	0	A (0.9)	0	A (1.0)	0	A (0.9)	0
(Seminary Rd)	Approach	-	A (0.0)		A (0.0)	Ü	A (0.0)	, and the second	A (0.0)		A (0.0)		A (0.0)	
13. Seminary Road and		/Fairbanks Ave		ed)	71 (0.0)		71 (0.0)		71 (0.0)		71 (0.0)		71 (0.0)	
Northbound	LTR	Tan banks Ave	B (10.2)	2	A (9.6)	0	A (9.9)	2	B (10.4)	1	B (10.0)	2	B (10.4)	1
(Heritage Ln)	Approach	_	B (10.2)		A (9.6)	, and the second	A (9.9)	_	B (10.4)		B (10.0)		B (10.4)	,
Southbound	LTR		C (24.2)	3	C (18.3)	1	D (27.6)	11	C (22.4)	6	D (29.5)	12	C (23.9)	7
(Fairbanks Ave)	Approach	_	C (24.2)		C (18.3)		D (27.6)		C (22.4)	, in the second	D (29.5)		C (23.9)	
Eastbound	LTR	445*	A (0.1)	0	A (0.0)	0	A (0.1)	1	A (0.2)	1	A (0.1)	1	A (0.2)	1
(Seminary Rd)	Approach	-	A (0.1)	, in the second	A (0.0)	Ů	A (0.1)		A (0.2)		A (0.1)		A (0.2)	
Westbound	LTR	560*	A (0.2)	1	A (0.3)	2	A (0.2)	1	A (0.4)	2	A (0.2)	1	A (0.4)	2
(Seminary Rd)	Approach	-	A (0.2)	,	A (0.3)		A (0.2)		A (0.4)		A (0.2)		A (0.4)	
(Johnmary Ra)	прргодоп	_	A (0.2)		A (0.3)		A (0.2)		A (0.4)		A (U.2)		A (U.4)	





