

Peak Hour Traffic Operations Analysis Results

ID	Intersection	Traffic Control	All Approaches	Peak AM - 2026 Existing			Peak PM - 2026 Existing			Peak AM - 2028 No Build			Peak PM - 2028 No Build			Peak AM - 2028 Option 1			Peak PM - 2028 Option 1			Peak AM - 2028 Option 2			Peak PM - 2028 Option 2			Peak AM - 2028 Option 3			Peak PM - 2028 Option 3		
				V/C	Delay (sec)	LOS	V/C	Delay (sec)	LOS	V/C	Delay (sec)	LOS	V/C	Delay (sec)	LOS	(Option A: T-Intersection)			(Option A: T-Intersection)			(Option B: Roundabout 1)			(Option B: Roundabout 1)			(Option C: Roundabout 2)			(Option C: Roundabout 2)		
																V/C	Delay (sec)	LOS	V/C	Delay (sec)	LOS	V/C	Delay (sec)	LOS	V/C	Delay (sec)	LOS	V/C Ratio	Delay (sec)	LOS	V/C Ratio	Delay (sec)	LOS
1	Seminary Rd / Shopping Front Dwy / S George Mason Dr	Signalized	EB - Seminary Rd	-	36.1	D	-	233.2	F	-	32.4	C	-	215.8	F	-	13.1	B	-	24.4	C	0.23	1.9	A	0.38	2.7	A	0.23	1.9	A	0.38	2.7	A
			WB - Shopping Center Dwy	-	38.1	D	-	44.4	D	-	39.7	D	-	46.3	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			NB - Seminary Rd	-	26.3	C	-	43.1	D	-	24.3	C	-	36.1	D	-	19.8	B	-	43.1	D	0.45	6.9	A	0.62	9.6	A	0.45	6.9	A	0.62	9.5	A
			SB - S George Mason Dr	-	25.7	C	-	41.1	D	-	22.6	C	-	37.9	D	-	29.1	B	-	36.4	D	0.36	8.8	A	0.98	49.2	D	0.24	5.7	A	0.65	7.6	A
			Overall Intersection	0.43	30.1	C	0.81	114.1	F	0.46	27.3	C	0.85	104.4	F	0.70	18.5	B	0.99	34.3	C	0.45	5.3	A	0.98	16.5	B	0.45	4.8	A	0.65	7.6	A
2	Seminary Rd / Dawes Ave	Signalized	EB - Dawes Ave	-	62.0	E	-	54.6	D	-	62.0	E	-	54.5	D	-	62.0	E	-	55.9	E	-	62.0	E	-	55.9	E	-	62.0	E	-	55.9	E
			WB - Dawes Ave	-	73.0	E	-	63.5	E	-	73.0	E	-	63.4	E	-	73.0	E	-	70.5	E	-	73.0	E	-	70.5	E	-	73.0	E	-	70.5	E
			NB - Seminary Rd	-	15.0	B	-	9.6	A	-	0.8	A	-	5.2	A	-	1.1	A	-	9.3	A	-	15.8	B	-	16.4	B	-	14.3	B	-	19.5	B
			SB - Seminary Rd	-	4.7	A	-	11.2	B	-	4.7	A	-	11.5	B	-	11.6	B	-	105.7	F	-	10.6	B	-	19.5	B	-	15.9	B	-	120.7	F
			Overall Intersection	0.43	13.8	B	0.59	14.2	B	0.44	6.4	A	0.59	12.4	B	0.65	9.4	A	1.07	62.6	E	0.83	16.7	B	0.83	21.6	C	0.84	18.1	B	1.09	74.4	E
3	Seminary Rd / Fillmore Ave / Dover Pl	TWSC	EB - Fillmore Ave	0.08	12.5	B	0.19	23.5	C	0.08	12.6	B	0.19	24.1	C	0.14	19.1	C	0.36	48.5	E	0.14	19.1	C	0.44	64.0	F	0.14	19.1	C	0.44	64.0	F
			WB - Dover Pl	0.14	55.0	F	0.41	226.6	F	0.14	56.7	F	0.43	239.7	F	0.30	130.3	F	0.95	704.7	F	0.28	119.7	F	0.85	607.7	F	0.28	119.7	F	0.85	607.7	F
			NB - Seminary Rd	-	1.2	-	-	2.4	-	-	1.2	-	-	2.5	-	0.06	0.3	-	0.10	0.5	-	0.06	0.3	-	0.10	0.5	-	0.06	0.3	-	0.10	0.5	-
			SB - Seminary Rd	-	0.1	-	-	0.3	-	-	0.1	-	-	0.3	-	0.01	0.0	-	0.02	0.1	-	0.01	0.0	-	0.02	0.1	-	0.01	0.0	-	0.02	0.1	-
4	Seminary Rd / Fillmore Ave	TWSC	WB - Fillmore Ave	0.19	20.4	C	0.40	35.0	E	0.19	20.7	C	0.41	36.4	E	0.25	27.0	D	0.75	105.5	F	0.36	41.3	E	0.82	125.2	F	0.36	41.3	E	0.82	125.2	F
			NB - Seminary Rd	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-
			SB - Seminary Rd	-	1.7	-	-	3.6	-	-	1.8	-	-	3.7	-	0.08	0.5	-	0.16	0.7	-	0.07	0.4	-	0.16	0.7	-	0.07	0.4	-	0.16	0.7	-
5	Seminary Rd / Echols Ave	Signalized	EB - Echols Ave	-	56.3	E	-	56.1	E	-	56.3	E	-	56.2	E	-	56.3	E	-	56.2	E	-	56.3	E	-	56.2	E	-	56.3	E	-	56.2	E
			WB - Echols Ave	-	62.3	E	-	66.0	E	-	62.3	E	-	66.0	E	-	59.7	E	-	62.6	E	-	62.3	E	-	66.0	E	-	62.3	E	-	66.0	E
			NB - Seminary Rd	-	18.5	B	-	21.2	C	-	9.7	A	-	16.3	B	-	23.2	C	-	22.8	C	-	84.6	F	-	61.1	E	-	84.7	F	-	60.3	E
			SB - Seminary Rd	-	14.9	B	-	3.9	A	-	9.1	A	-	6.7	A	-	23.0	C	-	133.7	F	-	19.2	B	-	124.6	F	-	17.0	B	-	114.0	F
			Overall Intersection	0.55	19.0	B	0.68	13.4	B	0.56	12.0	B	0.69	12.9	B	0.76	25.0	C	1.08	83.3	F	0.95	54.4	D	1.10	94.8	F	0.95	53.5	D	1.10	88.8	F
6	Seminary Rd / Heritage Ln / Fairbanks Ave	TWSC (Existing) / Signalized (All 2028 Scenarios)	EB - Heritage Ln	0.05	17.8	C	0.02	16.1	C	-	64.7	E	-	67.0	E	-	64.7	E	-	67.0	E	-	65.2	E	-	67.3	E	-	65.2	E	-	67.3	E
			WB - Fairbanks Ave	0.10	93.6	F	0.01	13.7	B	-	67.0	E	-	67.0	E	-	67.0	E	-	67.0	E	-	67.2	E	-	67.2	E	-	67.2	E	-	67.2	E
			NB - Seminary Rd	-	0.6	-	-	0.7	-	-	15.1	B	-	14.4	B	-	3.1	A	-	13.5	B	-	71.9	E	-	55.3	E	-	71.9	E	-	55.3	E
			SB - Seminary Rd	-	0.0	-	-	0.1	-	-	7.5	A	-	6.9	A	-	7.9	A	-	151.1	F	-	17.8	B	-	6.9	F	-	17.6	B	-	143.9	F
			Overall Intersection							0.47	12.0	B	0.53	10.5	B	0.69	5.8	A	0.97	89.2	F	0.81	47.2	D	0.97	103.5	F	0.81	47.2	D	0.53	104.0	F