

MOTOR VEHICLE COUNTS

Rogers Street at 4th Street
AM Peak Hour

Date: 1/26/2016

	ROGERS STREET Southbound					4TH STREET Westbound					ROGERS STREET Northbound					4TH STREET Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 08:00 AM to 09:45 AM - Peak 1 of 1 Peak Hour for Entire Intersection Begins at 08:00 AM																					
08:00 AM	10	85	1	0	96	1	1	2	0	4	2	76	16	0	94	1	2	6	0	9	203
08:15 AM	11	92	0	0	103	0	3	8	0	11	3	74	7	0	84	0	3	5	0	8	206
08:30 AM	8	84	2	0	94	1	1	2	0	4	1	81	8	0	90	0	1	4	0	5	193
08:45 AM	10	93	1	0	104	2	0	8	0	10	5	90	13	0	108	2	4	3	0	9	231
Total Volume	39	354	4	0	397	4	5	20	0	29	11	321	44	0	376	3	10	18	0	31	833

NOTE: Bicycle and pedestrian counts completed separately

Rogers Street at 4th Street
PM Peak Hour

Date: 1/26/2016

	ROGERS STREET Southbound					4TH STREET Westbound					ROGERS STREET Northbound					4TH STREET Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:45 PM																					
04:45 PM	9	109	6	0	124	3	0	9	0	12	4	114	10	0	128	1	5	3	0	9	273
05:00 PM	12	122	2	0	136	4	3	22	0	29	11	158	5	0	174	0	2	7	0	9	348
05:15 PM	7	113	1	0	121	6	4	15	0	25	13	142	5	0	160	3	3	7	0	13	319
05:30 PM	6	96	2	0	104	4	3	8	0	15	8	131	8	0	147	1	2	10	0	13	279
Total Volume	34	440	11	0	485	17	10	54	0	81	36	545	28	0	609	5	12	27	0	44	1219

NOTE: Bicycle and pedestrian counts completed separately

TRAFFIC SIMULATION



Existing Conditions



Simulated conditions with no left turn lanes

BICYCLE AND PEDESTRIAN COUNTS

Time Frame	PEDESTRIAN COUNTS		BICYCLE COUNTS	
	Crossing Rogers St.	Crossing 4th Street	Crossing Rogers St.	Crossing 4th Street
8:00-8:15	2	0	0	0
8:15-8:30	3	2	2	1
8:30-8:45	3	0	0	0
8:45-9:00	7	1	0	0
9:00-9:15	2	3	0	0
9:15-9:30	5	0	0	0
9:30-9:45	6	2	3	0
9:45-10:00	4	3	1	0
Totals	32	11	6	1
4:00-4:15	4	3	2	2
4:15-4:30	5	1	1	0
4:30-4:45	4	2	1	0
4:45-5:00	0	0	0	0
5:00-5:15	1	2	2	0
5:15-5:30	6	2	1	0
5:30-5:45	2	0	0	0
5:45-6:00	1	1	1	1
Totals	23	11	8	3

NOTE: Bicycle and pedestrian counts were performed in January of 2016 when bicycle and pedestrian crossings would be lower than the average.

ASSESSMENT SUMMARY

- Movements that would have been restricted with a full median are relatively low, but not negligible. (For example, in the PM peak hour, 36 out of 609 northbound vehicles made a left turn onto 4th Street.
- Analysis shows that removing the left turn lanes, while still allowing left turns, will have negligible impact on delay through the intersection. On average, there may be an additional 2 seconds of wait time for vehicles on 4th Street and little to no additional delay for vehicles on Rogers Street.
- Restricting movements at this intersection is possible, but not necessary to improve pedestrian and bicycle crossings.