

BRUCE STREET & LOCUST STREET ALL-WAY STOP ANALYSIS

Intersection Volume Counts		
Time	Vehicles Counted	
	Bruce Approaches	Locust Approaches
5:45:00 AM	12	14
6:00:00 AM	14	8
6:15:00 AM	18	7
6:30:00 AM	23	11
6:45:00 AM	40	27
7:00:00 AM	36	18
7:15:00 AM	58	34
7:30:00 AM	126	54
7:45:00 AM	139	89
8:00:00 AM	103	49
8:15:00 AM	70	48
8:30:00 AM	51	33
8:45:00 AM	61	57
9:00:00 AM	59	42
9:15:00 AM	74	42
9:30:00 AM	43	36
9:45:00 AM	30	47
10:00:00 AM	38	34
10:15:00 AM	48	22
10:30:00 AM	53	30
10:45:00 AM	65	45
11:00:00 AM	46	59
11:15:00 AM	53	29
11:30:00 AM	65	46
11:45:00 AM	68	50
12:00:00 PM	88	67
12:15:00 PM	85	43
12:30:00 PM	63	46
12:45:00 PM	72	63
1:00:00 PM	74	47
1:15:00 PM	103	38
1:30:00 PM	108	43
1:45:00 PM	76	45
2:00:00 PM	71	53
2:15:00 PM	70	51
2:30:00 PM	79	41
2:45:00 PM	110	45
3:00:00 PM	80	47
3:15:00 PM	75	61
3:30:00 PM	107	74
3:45:00 PM	113	68
4:00:00 PM	99	56
4:15:00 PM	108	53
4:30:00 PM	111	69
4:45:00 PM	94	55
5:00:00 PM	99	81
5:15:00 PM	97	62
5:30:00 PM	71	40
5:45:00 PM	88	37
6:00:00 PM	79	31
6:15:00 PM	94	44
6:30:00 PM	63	31
6:45:00 PM	54	29
7:00:00 PM	51	20
7:15:00 PM	58	16
7:30:00 PM	49	19
7:45:00 PM	42	16
8:00:00 PM	35	19
8:15:00 PM	46	14
8:30:00 PM	39	17
8:45:00 PM	45	14
9:00:00 PM	32	10
9:15:00 PM	32	12

Total Approach Minimum Volumes (AVG Veh/hr for 8hrs of the day) (MUTCD)

Street	min avg. vol	80% of mins
Bruce	300	240
Locust	200	160

Total Approach Average Volumes (from Study)

Time Span	Bruce	Locust
11am to 7pm (8hrs) (Total Vehs)	2663	1604
AVG Veh/HR	332.875	200.5

Crash Data:

MUTCD Guideline: 5 or more crashes in 12-month period

Based on Conway Police Reports:

2018	11 Crashes
2019	12 Crashes

*** CONCLUSION FROM STUDY:

Addition of stop signs on Bruce Street at its intersection with Locust Street to create an All-Way stop condition is warranted based on MUTCD standards for minimum traffic volumes and number of crashes within a 12 month period.