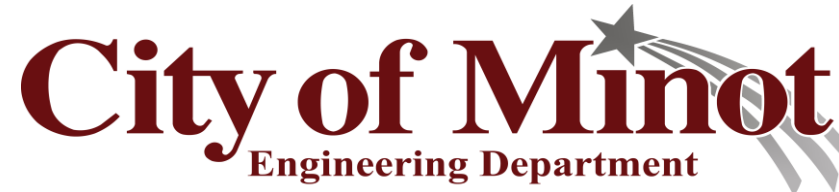


City of Minot Signal Warrant Analysis

Existing Traffic Volumes



City/County: Minot, ND

Intersection: 31st Avenue SE and 10th Street SE

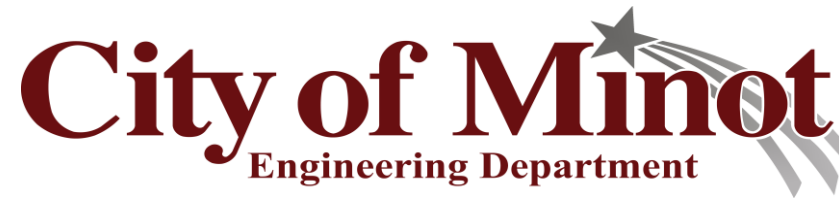
Study Data	Date:	4/25/2019	Approach	Speed	Lanes
	Population < 10,000:	No	Major 1: EB 31st Avenue SE	35	1
	Existing Signal:	Yes	Major 3: WB 31st Avenue SE	35	1
	0.70 Factor Used:	No	Minor 2: NB 10th Street SE	25	1
			Minor 4: SB 10th Street SE	25	1

Warrants Analysis	Time of Day	Major #1	Major #3	Total 1+3	Major 1A/1B	Minor #2	Minor #2 1A/1B	Minor #4	Minor #4 1A/1B	Both Met 1A/1B	Crash Warrant	MWSA Warrant
					500/750		150/075		150/075			
	6:00 - 7:00	40	62	102	/	32	/	5	/	/		
	7:00 - 8:00	104	140	244	/	79	/X	35	/	/		
	8:00 - 9:00	166	201	367	/	70	/	34	/	/		
	9:00 - 10:00	181	233	414	/	71	/	33	/	/		
	10:00 - 11:00	192	223	415	/	57	/	65	/	/		
	11:00 - 12:00	226	329	555	X/	85	/X	98	/X	/		
	12:00 - 1:00	237	353	590	X/	88	/X	119	/X	/		X
	1:00 - 2:00	238	331	569	X/	101	/X	105	/X	/		X
	2:00 - 3:00	213	309	522	X/	82	/X	107	/X	/		
	3:00 - 4:00	285	354	639	X/	87	/X	100	/X	/	X	
	4:00 - 5:00	286	388	674	X/	87	/X	115	/X	/	X	X
	5:00 - 6:00	300	422	722	X/	100	/X	109	/X	/	X	X
	6:00 - 7:00	225	299	524	X/	63	/	86	/X	/		X
	7:00 - 8:00	179	246	425	/	52	/	85	/X	/		
	8:00 - 9:00	126	145	271	/	26	/	54	/	/		
	9:00 - 10:00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

Results	Criteria	Hours Met	Hours Required	Warrants Met
	Warrant 1a: Minimum Vehicular Volume	0	8	Not Met
	Warrant 1b: Interruption of Continuous Traffic	0	8	Not Met
	Warrant 2: Four-Hour Vehicular Volume	0	4	Not Met
	Warrant 3: Peak Hour	0	1	Not Met
	Warrant 7: Crash Experience	3	8	Not Met
	Multi-way Stop Applications (MWSA)	5	8	Not Met

City of Minot Signal Warrant Analysis

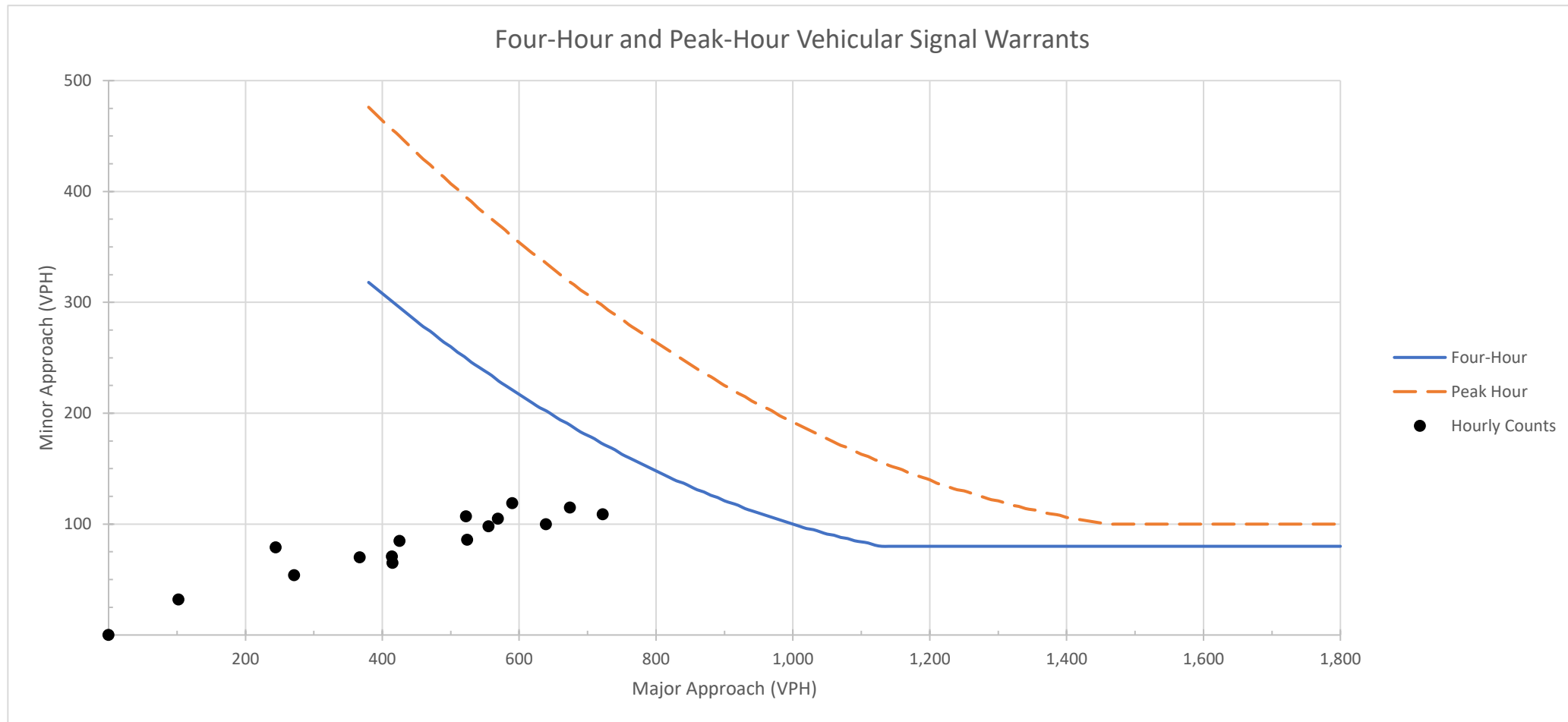
Existing Traffic Volumes



City/County: Minot, ND

Intersection: 31st Avenue SE and 10th Street SE

Study Data	Date:	4/25/2019	Approach	Speed	Lanes
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	0.70 Factor Used:	No	Minor 2: NB 10th Street SE	25	1
			Minor 4: SB 10th Street SE	25	1



*Note: For data outside of the graph range, check the minor street volume against the lower thresholds

Results	Criteria	Hours Met	Hours Required	Warrants Met
	Warrant 2: Four-Hour Vehicular Volume	0	4	Not Met
	Warrant 3: Peak Hour	0	1	Not Met