

TRAFFIC CONTROL STUDY - CRITERIA FOR MULTI-WAY STOP

North Dakota Department of Transportation, Programming
SFN 59012 (3-2023)

23 USC § 407 Documents
NDDOT Reserves All Objections

Date	Prepared by	City	Analysis Year		
Major Road Name		Minor Road Name			
Major Road Speed Limit (mph)		Minor Road Speed Limit (mph)			
Major Road 8 Highest Hours: total vehicular volume entering the intersection from the major road approaches (total of both approaches)		Minor Road 8 Highest Hours: for the same 8 hours, the combined vehicular, pedestrian, and bicycle volume entering the intersection from the minor street approaches (total of both approaches)			
% of 300 vph		% of 200 units/hr			
1	<input type="text"/>	%	1	<input type="text"/>	%
2	<input type="text"/>	%	2	<input type="text"/>	%
3	<input type="text"/>	%	3	<input type="text"/>	%
4	<input type="text"/>	%	4	<input type="text"/>	%
5	<input type="text"/>	%	5	<input type="text"/>	%
6	<input type="text"/>	%	6	<input type="text"/>	%
7	<input type="text"/>	%	7	<input type="text"/>	%
8	<input type="text"/>	%	8	<input type="text"/>	%

Average delay to minor road vehicular traffic during the highest hour (seconds per vehicle)

Identify crashes of types susceptible to correction by multi-way stop control. Such crashes include right-turn and left-turn collisions as well as right-angle collisions.

Traffic Signal Warrants Met?
 Yes No

Highest Number of Crashes within 12-month period	Comments
<input style="width: 95%;" type="text"/>	<input style="width: 95%;" type="text"/>

If so, identify warrant number(s):

Where traffic signals are justified, the multi-way stop is an interim measure that can be installed quickly to control traffic while arrangements are being made for the installation of the traffic control signal.

Criteria A
 Satisfied Not Satisfied

Crashes ≥ 5?

Criteria B
 Satisfied Not Satisfied

Major & Minor ≥ 100% for 8 Hours and peak hour delay ≥ 30 seconds?

Criteria C.1 & C.2
 Yes No

Criteria C
 Satisfied Not Satisfied

Major & Minor ≥ 70% for 8 Hours and Major Road ≥ 40 mph?

Criteria C.3
 Yes No

Major & Minor ≥ 80% for 8 Hours and peak hour delay ≥ 24 seconds and crashes ≥ 4?

Criteria D
 Satisfied Not Satisfied

Refer to the MUTCD, section 2B.07 for other optional criteria that may be considered in an engineering study for a multi-way STOP sign installation.

CONCLUSION

Criteria Satisfied	Multi-Way Stop
Comments	<input type="checkbox"/> Yes <input type="checkbox"/> No