Traffic and Parking		
SECTION:		
Engineering	POLICY NO.: 2023-##	
SUBJECT:	EFFECTIVE:	
Multi-way Stop Control Policy		
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APPLIES TO:	X NEW ISSUE	
NDOT	PARTIAL REVISION	
	COMPLETE REVISION	

PURPOSE:

The purpose of a STOP sign is to assign right-of-way and regulate traffic. A "multi-way stop control can be useful as a safety measure at intersections if certain traffic conditions exist" and is often most effective when "used where the volume of traffic on the intersecting roads is approximately equal." When used appropriately, STOP signs can increase safety and standardize expectations of all road users at the intersection. When used incorrectly, such as solely to address speeding, these signs can breed disrespect for the sign and generate compliance issues, generally decreasing safety. APPLICABILITY:

Applies to all multi-way stop control warrant analyses conducted and/or approved by NDOT.

POLICY: 0

This policy incorporates FHWA's <u>2009 Manual on Uniform Traffic Control Devices</u> (<u>MUTCD</u>) requirements:

Introduction:

Accordingly, installations should only be made at locations where it is safe and appropriate to do so. Engineering studies, such as a Multi-way Stop Warrant (Warrant), are used to evaluate criteria to determine whether one of more STOP signs are warranted for installation. This warrant will consider, among other things:

- 1. An interim installation pending the installation of a traffic signal that has met a qualified traffic signal warrant; and
- 2. Five or more crashes in 12-months subject to correction by a multi-way stop; and
- 3. Volume of all traffic (cars, bicycles, pedestrians) within an eight-hour peak period (not necessarily consecutive hours); and
- 4. The speed of approaching traffic; and
- 5. Additional, site specific criteria as permitted.²

Upon the written request for the installation of multi-way stop control at the intersection of two City streets, NDOT may direct staff to complete a Warrant to verify whether such an

installation is appropriate. This process shall involve the collection and analysis of data with consideration made for the items identified previously. Intersections must meet one or more of the minimum qualifying areas to be considered. A recommendation will be provided to NDOT's Chief Engineer or designee who will use professional engineering judgment to determine whether to direct the installation of STOP signs in compliance with this Traffic and Parking Commission approved policy.
Any and all appeals related to the installation or rejection of multi-way stop control must be submitted to the Traffic and Parking Commission.
¹ 2009 Manual on Uniform Traffic Control Devices, Section 2B.04.05 ² 2009 Manual on Uniform Traffic Control Devices, Section 2B.07

Major Approach:	Minor Approach:
A. Interim Traffic Control Measure Would a multi-way stop serve as an interim traffic control measure for an intersection that has met a traffic signal warrant and scheduled for a traffic signal installation at a later time? Criteria met? Yes: No:	period, currently measured at(vehicles),(bike and(pedestrians) for a total of(traffi
B. Accidents Has there been five or more reported collisions within a 12-month period that would be susceptible to correction by a multi-way stop? Criteria met? Yes: No:	D. Multiple Criteria at Lesser Levels When no single criterion has been satisfied, but wher Criteria B, C.1 and C.2 are satisfied to 80% of th original (non-reduced) values. Criteria met? Yes: No:
If yes, list dates:	E. Other Conditions
C. Volume Entering volume of all traffic (vehicles, pedestrians, and bicycles) shall be analyzed during the peak eight hours of an average day. These hours do not have to be consecutive. Date/Hours:	 Circle one or more other conditions/concerns: There is a need to control left-turn conflicts by road user; or There is a need to control vehicle/pedestria conflicts near locations that generate high pedestria volumes; or Locations where a road user, when stopped, cannot see conflicting traffic and is not able to negotiate the intersection unless cross traffic is also required stop; or Location where two residential, collector (through streets of similar design and characteristics interse and where a multi- way stop would improve traff operational characteristics of the intersection.
. and	Criteria met? Yes: No:

Recommendation □ YES, the findings above do support a recommendation	on for the installation of a multi-way stop; or
\Box NO , the findings above do not support a recommend	ation for the installation of a multi-way stop.
□ Reviewed by:	Date:
☐ This location has met the necessary criteria and instal☐ This location has not met the necessary criteria and in	
Approved by:	Date:
Comments:	
	1
REVISION NO.:	ISSUED BY: Jason Oldham
REVISION DATE:	
TRAFFIC AND PARKING COMMISSION APPROVAL REQUIRED	APPROVAL: