## City of Madison, Wisconsin Traffic Engineering Minimum Criteria Summary for Installation of All-Way Stop Signs in Urban Areas

For a multiway stop to be considered for installation the criteria listed under 1. or 2. or 3. or 4. should be met.

## Intersection of: Commercial Ave & Nakoosa Trl

1. Traffic Signal Justified								
Where traffic signals are warranted and urgently needed, the multiway stop is an interim measure that can be installed quickly to control traffic while arrangements are being made for the signal installation.								
Are traffic signals warranted and urgently needed?	No							

2. Crash Problem									
Crash data for period of: 1/1/2012 - 12/31/2012									
A crash problem, as indicated by 5 or more reported crashes of a type susceptible of correction by a multiway stop installation in a 12-month period. Such crashes include right and left-turn collisions as well as right-angle collisions.									
		% Of							
		Criteria							
		<u>Met</u>							
Number of crashes in the last 12 Months =	1								
Correctables =	1	20%							
Does a crash problem exist which would be susceptible	e								
to correction by a multiway stop installation?		NO							

NO, The minimum criteria to be considered for a mutliway stop HAS NOT BEEN MET for the intersection of Commercial Ave & Nakoosa Trl

24-Hr Factored Approach Volumes From Manual Turning Movement Study

entering the intersection from the major str	ich the average volume of eet exceeds:	
054	A 0/ 0/	
85th	Avg % Of	
Percentile Required	Highest Criteri	a
Speed Volume (Incuding Bikes)	Hours Met	
<= 40 m.p.h 300	247 82%	
> 40 m.p.h. 210	NA NA	
b.) For the same 8 hours, the average volume 85th		
Percentile Required	Highest Criteri	a
Speed Volume (Including Bikes & P <= 40 m.p.h 200	<u>eds) Hours</u> <u>Met</u> 139 70%	
> 40 m.p.h. 140	NA NA	
> 40 m.μ.m. 140	IVA IVA	
c.) Delay to minor street vehicular traffic must	· ·	ls per
vehicle during the peak traffic hour for at le	ast one direction.	
	% Of	
	Criter	ia
Required Estimated	Met	
Required Estimated <u>Delay Delay Direction</u>	IVICE	,
•	27.6%	0

4. No single criterion met but 2 & 3 are both 80% me	et.
No single criterion met but	
2, 3a.), 3b.) and 3c.) are at least 80% met.	NO

## Commercial Ave & Nakoosa Trl Intersection Existing Conditions



**Porchlight** 

1





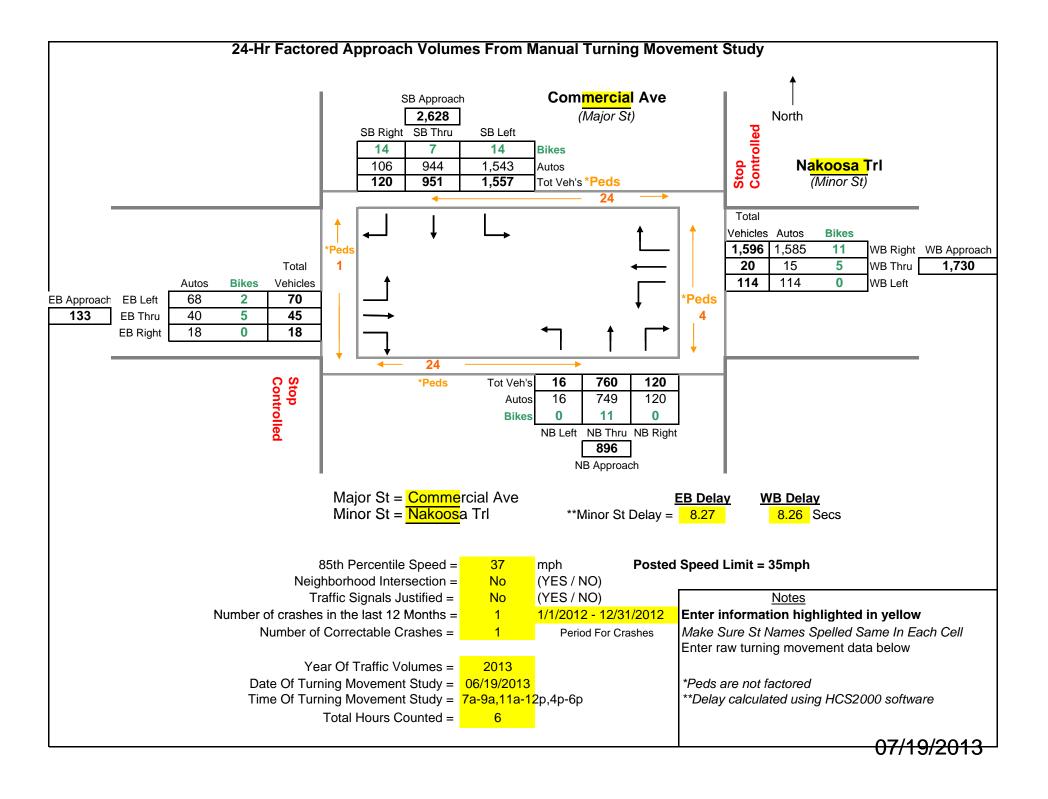
2

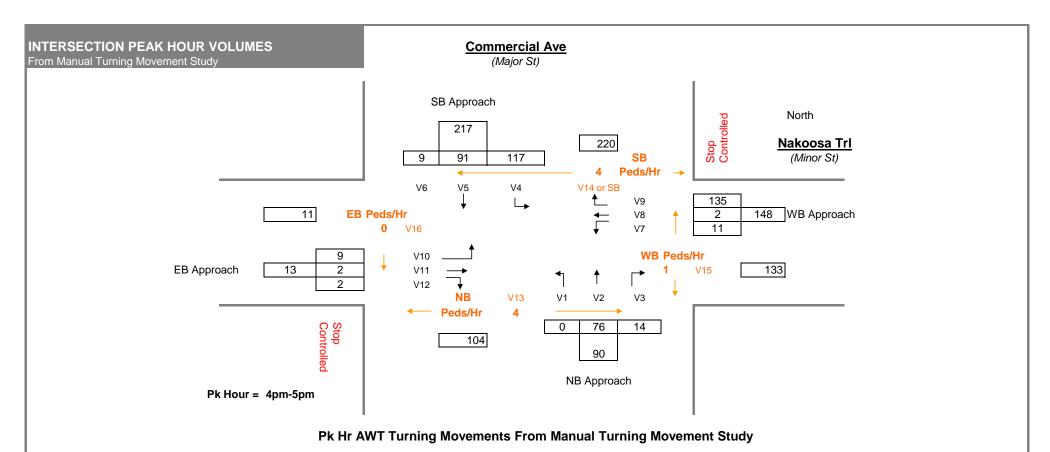


## Commecial Ave & Nakoosa Trl 2012 Crashes









Peak Hour 4:00 PM

ЕВ				WB			NB			SB					
Left	Thru	Right	Total												
9	2	2	13	11	2	135	148	0	76	14	90	117	91	9	217