
Project Eligibility

SECTION

IV

In order to evaluate the traffic calming that will be necessary for the Old Newark Study Area, we based our recommendations on the following minimum criteria. In order to be eligible, the street must meet at least two of the three criteria.

Local Streets

Average Daily Traffic	2,000 or more vehicles per day
85 th Percentile Speed	5 mph above posted limits
Accidents per Year	More than 3 accidents per year

Collector Streets

Average Daily Traffic	4,000 or more vehicles per day
85 th Percentile Speed	10 mph above posted limits
Accidents per Year	More than 6 accidents per year

Recognizing limited local resources and other important demands on the City and State budget, it is necessary to prioritize traffic calming proposals based upon the goals set by the committee. We have developed a point system and ranked local and collector roads.

Both local and collector streets are scored based on the level of excessive speed, average number of accidents in a three year period, and the average daily traffic volumes. This point system will then allow the City and other officials to prioritize which streets are in need of traffic calming measures. The following page outlines a point system taken from the ITE (1999). Using this system, we have identified a priority list the City should consider.

As a practical matter, it is often necessary to treat nearby streets at the same time to avoid relocating a traffic problem from one street to another. The scores noted for each street provide only a rough guideline for prioritization.

LOCAL STREETS	POINTS
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Factor

85th Percentile Speed (miles per hour)
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26 to 30	1.0
31 to 35	2.0
36 to 40	3.0
41 to 45	4.0
46 +	5.0

Average Daily Volume (vehicles per day)
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0 to 500	0.5
501 to 1000	1.0
1001 to 1500	1.5
1501 to 2000	2.0
2001 to 2500	2.5
2501 to 3000	3.0
3001 to 3500	3.5
3501 to 4000	4.0
4001 to 4500	4.5
4501 +	5.0

Accidents Per Year

1	0.5
2	1.0
3	1.5
4	2.0
5	2.5
6	3.0
7	3.5
8	4.0
9	4.5
10+	5.0

ITE, 1999.

COLLECTOR STREETS	POINTS
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Factor

85th Percentile Speed (miles per hour)
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26 to 30	1.0
31 to 35	2.0
36 to 40	3.0
41 to 45	4.0
46 +	5.0

Average Daily Volume (vehicles per day)
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4001 to 4500	0.5
4501 to 5000	1.0
5001 to 5500	1.5
5501 to 6000	2.0
6001 to 6500	2.5
6501 to 7000	3.0
7001 to 7500	3.5
7501 to 8000	4.0
8001 to 8500	4.5
8501 +	5.0

Accidents Per Year

1	0.5
2	1.0
3	1.5
4	2.0
5	2.5
6	3.0
7	3.5
8	4.0
9	4.5
10+	5.0

ITE, 1999.

Preliminary Priority Ranking				
STREET	Accidents	Volume	Speed	TOTAL
Delaware Avenue	5.0	4.0	4.0	13.0
West Park Place	5.0	4.0	3.0	12.0
South Chapel Street	5.0	3.5	3.0	11.5
South College Avenue	5.0	2.0	3.0	10.0
East Park Place	5.0	3.0	2.0	10.0
Ritter Lane	5.0	2.0	2.0	9.0
Kells Avenue	3.5	3.0	2.0	8.5
Orchard Road	3.5	2.0	3.0	8.5
Academy Street	4.0	3.0	1.0	8.0
Chrysler Avenue	1.5	1.5	2.0	5.0

The above ranking system provides a guideline for the order of implementation. However, once traffic-calming measures have been selected, a final implementation plan must be devised.