



## TRAFFIC CALMING POLICY

### INTRODUCTION

Excessive traffic speeds in neighborhood areas is an issue of concern to citizens in Fayetteville. This policy addresses a procedure through which neighborhoods can be considered for traffic calming measures. Traffic calming is the management of traffic through the use of roadway design features. Traffic management through traffic calming is most effective if the features are both warranted and properly designed.

Traffic calming solutions may be warranted where there is a demonstrated need for traffic calming, and where solutions can be identified that will address the need. Not only must the needs be perceived by the neighborhood, but they must also be documented to be substantive. In order for traffic calming strategies to be effective, traffic data collection and analysis must validate that calming needs are legitimate. These traffic studies may include:

1. Speed studies
2. Vehicle and pedestrian counts
3. Through-traffic surveys
4. Accident records

Effective solutions for valid needs also require that the selected traffic calming strategy be appropriate for the need. Once an effective strategy for traffic calming has been selected, it should be properly designed in accordance with the relevant design parameters. These should include consideration of:

1. Traffic volume
2. Design speed
3. Design vehicle characteristics
4. Emergency services

Although warranted and properly designed traffic calming strategies can have the desired benefits of managing traffic, they also can create disadvantages to adjacent streets and neighborhoods and to the traveling public at large. Traffic calming could have the potential of shifting an existing traffic problem to another street or neighborhood. Traffic calming may also increase delay for emergency response vehicles and can increase long term maintenance costs for the City. Because of the controversy and potential disadvantages, traffic calming should be implemented only with the majority consent of those directly impacted.

This policy therefore provides guidelines for the following traffic calming activities:

1. Requests for traffic calming consideration
2. Prioritization of Requests

3. Identification and approval of traffic calming strategies
4. Programming of traffic calming improvements
5. Design of traffic calming projects
6. Evaluation of traffic calming projects

## **REQUESTS FOR TRAFFIC CALMING CONSIDERATION**

Requests for traffic calming received will be catalogued, and will be assigned to one of three tiers:

Tier 1: Proximity to Schools or other significant Points of Interest (1/2-mile walkshed)

Tier 2: Obvious cut-through opportunities (Based on engineering best judgement, could be supplemented with traffic count study)

Tier 3: Dead-end or disconnected areas of the transportation network.

If a citizen requests police patrol enforcement, the request will be forwarded to the Police Department for possible enforcement action.

Requests from multiple streets may be grouped together and/or staff may add streets that may be impacted by traffic calming to requests. If such grouping occurs, the requirements of the next section will apply to the grouped streets.

## **PRIORITIZATION OF TRAFFIC CALMING REQUESTS**

Locations assigned to Tier 1 or Tier 2 will be scheduled for further study upon receipt by the City Engineer of a petition or other affirmative response by at least one member of seventy-five percent (70%) of the property ownerships facing the street(s) on which the traffic calming study is requested.

A block shall consist of every developed property having frontage on the street to be studied between successive intersecting streets. A typical traffic calming petition shall include, at a minimum, a description of the street or streets which are to be included in the calming study and the signature or other written evidence of approval of at least 70% of the property owners on those street(s). Where more than one person is listed as owner for each property, only one person shall be entitled to vote or sign a petition. Likewise, if multiple properties are owned by the same person or persons, the owner(s) will only be entitled to one vote or signature on the petition. This definition of property owner shall apply throughout this policy document.

The City staff assigned to administer traffic calming studies will review the request for validity and will assess whether other streets may be impacted by implementation of traffic calming strategies.

City staff will define the area of potential impact resulting from the traffic calming implementation on a case by case basis.

Relevant data to be collected for the study includes:

1. Speed and Volume Counts
2. Accident Experience

3. Distance to schools and other pedestrian generators
4. Pedestrian facilities

This data will be used to assign a point value to each Tier 1 and Tier 2 location, as follows:

Speed	Per Calc.	5pts for each MPH > 5MPH above posted speed
Volume	Per Calc.	ADT/100
Sidewalks	0-5	5pts if no continuous sidewalk, 2.5pts if one side
Accidents	0-5	1pt for each accident/year at one location
School Walkshed	0-10	10pts within quarter-mile radius, 7.5pts if between quarter- and half-mile radius, 5pts within half-mile radius, 2.5pts if partially in half-mile radius

Locations receiving a minimum of 35 points, or that have 85<sup>th</sup> percentile speeds above 35 mph will receive further consideration for traffic calming under this program. Locations with 85<sup>th</sup> percentile speeds below 30 mph will not receive further consideration regardless of score.

Streets that do not meet these minimum criteria, and dead-end or disconnected streets that are placed in Tier 3 generally will not be considered for structural traffic calming, but may be considered for enforcement and are eligible for consideration of tactical urbanism permits.

## IDENTIFICATION OF TRAFFIC CALMING STRATEGIES

City staff shall present to the residents living within the area of potential impact the results of the traffic calming study and rating. Where traffic calming may be appropriate, staff will present options for traffic calming in the affected area. Sixty percent (60%) or more of the property owners in the area of potential impact must support the proposed strategy option(s) before the City will give further consideration to traffic calming implementation.

In certain circumstances, the 60% requirement may be waived. These circumstances may include locations that have disinterested owners (e.g. locations with a large percentage of rental properties or locations adjacent to a single multifamily apartment complex) or other situations that are deemed necessary for public safety by the City.

## PROGRAMMING OF TRAFFIC CALMING IMPROVEMENTS

Periodically, but not less than once each year, City staff will prioritize those traffic calming strategies within the City that have been approved within their area of impact. Prioritization will be based on the rating system. The City Council Transportation Committee will approve projects to be implemented, up to the yearly budget as determined by City Council. Those traffic calming improvement locations not selected, will remain in consideration for up to three years.

City ward boundaries should be considered so that projects affecting each ward can be implemented.



## **DESIGN OF TRAFFIC CALMING PROJECTS**

The design of traffic calming devices must meet the following criteria:

1. Only residential links or urban center streets are eligible.
2. The street shall have an ADT of less than 4,000.
3. Limited to streets having only one lane of through traffic in each direction.
4. Streets must not be primary emergency routes, as determined by the Police and Fire Departments.
5. At the discretion of the City Engineer, certain traffic calming measures may not be used if they would create an unsafe condition for motorists driving at normal speeds under average driving conditions.
6. Streets must not be through truck routes unless an acceptable alternative route is identified and approved. Design of traffic calming features shall accommodate a single unit truck.

## **EVALUATION OF TRAFFIC CALMING PROJECTS**

Six months following the completion of the traffic calming improvements, city staff may undertake a follow-up study to determine if the traffic calming features have achieved the initial purpose of the project. If unacceptable impacts are identified, corrective measures may be taken. Traffic calming measures may be removed after the evaluation period for any of the following reasons:

1. Emergency response is significantly impacted.
2. The problem for which the traffic calming was implemented has been transferred to another street.
3. At least sixty percent (60%) of the property owners in the defined area of impact sign a petition to remove the traffic calming measures. This option will result in complete removal of all measures.