



Raleigh
MEMO

City of Raleigh

Neighborhood Traffic Management Program



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TABLE OF CONTENTS

1 Overview and Objectives.....	4
2 Solutions.....	5
3 Speed Limit Reductions	6
4 Intersection Evaluations	7
5 Traffic Calming Projects	9
6 Removal of Existing Treatments.....	13
7 Project Ranking Lists.....	13
8 Evaluation Criteria.....	15
9 Private Funding of Traffic Calming.....	18
10 Pilot Program	19
11 Reporting.....	20
12 Maintenance.....	20
13 The NTMP and other City of Raleigh Programs.....	20

1 Overview and Objectives

The City of Raleigh strives to promote safe public streets that contribute to a positive quality of life in the City's neighborhoods. Street design and operation is only one element out of many that influence this goal. It is in the City's best interests to maintain and improve the quality of our neighborhoods and to avoid creating situations that may detract or adversely affect the places where we live. This is a City of Raleigh approved policy. Raleigh City Council has full authority to waive any and all obligations under this policy at its discretion.

The management of traffic speeds and volumes on residential streets is both complicated and nuanced. While traffic engineering standards are uniform for all roadway facilities, some degree of contextual design must be employed on neighborhood streets where residents live and recreate. The purpose of this program is to provide specific techniques and steps for both the public and for City staff to follow in managing neighborhood traffic. The objectives of the Neighborhood Traffic Management Program (NTMP) shall be to promote and maintain a safe and pleasant environment in residential areas for drivers and pedestrians while:

- Achieving moderate vehicle speeds on residential streets by a combination of policies and physical measures;
- Reducing the burden on enforcement resources by providing more consistent sustainable speed reduction;
- Achieving speed compliance for neighborhood streets while factoring in neighborhood considerations like multimodal opportunities.
- Ensuring that communities are able to participate to help inform the project design.

This program shall apply to streets serving residential neighborhoods and mixed-use areas with residential components. Issues related to speeding on multilane and industrial streets shall be addressed by the Raleigh Police Department (RPD) or other streetscape initiatives. Traffic management applications shall be universally available to all City residents on qualifying residential streets. Traffic management applications shall be provided at no additional cost to residents within the affected area. However, residents shall not be allowed to install their own treatments on public streets independently of the program.

2 Solutions

The policy covers several solutions or options that can be used to mitigate vehicle speed, reduce cut through traffic, and/or improve the quality of life for residents residing on residential streets. These include:

- **Speed Limit Reductions:** North Carolina General Statutes specify that all streets in an urbanized setting shall have a speed limit of 35 mph unless otherwise posted. Some residents may feel this speed limit is inappropriate for a particular residential street. Any person may initiate the process outlined in Section 3 to reduce the speed limit on eligible streets.
- **Intersection Evaluations:** Stop signs are used to assign right-of-way at intersections. Stop signs are typically placed on the lower traffic volume street allowing vehicles on the more heavily travelled street to pass through an intersection without delay. The Federal Highway Administration's Manual on Uniform Traffic Control Devices (MUTCD), which is fully adopted by the City of Raleigh, provides guidance when other approaches may benefit from stop sign control. Any person may initiate the process outlined in Section 4 to have an intersection evaluated for multi-way stop signs. Other intersection tools such as neighborhood traffic circles and intersection bump outs can increase pedestrian and intersection safety while also having traffic calming effects on drivers in the immediate vicinity of the intersection.
- **Traffic Calming Projects:** Poor speed compliance and/or increased traffic volumes on a residential street may occur due to a wide variety of reasons. These can impact the quality of life for residents residing on these streets. Improper speed compliance and increased traffic on residential streets can have a negative impact on the quality of life of the residents of the neighborhood. Individual street characteristics, widths, and vehicular volumes will guide staff to design projects using the optimal mix of vertical and horizontal traffic calming treatments to best serve the unique context of the street to achieve proper vehicular speed compliance. Any person may initiate the process outlined in Section 5 by requesting a traffic calming evaluation for a residential street.

3 Speed Limit Reductions

The following process shall be employed in addressing a speed limit reduction:

- 3.1** Eligible streets will be limited to streets classified as one of the following under the City's Comprehensive Plan: Neighborhood Street, Neighborhood Local, Avenue 2-Lane, Undivided, Neighborhood Yield, Multi-Family Street, and Main Street with Parallel Parking. For a street to be considered eligible, it will need to be within the corporate limits of the City of Raleigh and within publicly dedicated right-of-way (NCDOT and/or City of Raleigh).
 - 3.1.1** NCDOT maintained residential streets need concurrent approval.
- 3.2** Speed limits may be reduced to thirty (30) miles per hour on any eligible street with volumes over four thousand (4,000) vehicles per day.
 - 3.2.1** Streets classified as an Avenue 2-Lane, Undivided or a Neighborhood Street may be reviewed to determine the ultimate speed limit reduction to twenty-five (25) miles per hour or thirty (30) mile per hour based on site context.
- 3.3** Speed limits may be reduced to twenty-five (25) miles per hour on any eligible street with volumes under four thousand (4,000) vehicles per day.
- 3.4** In no case shall a posted speed of less than twenty-five (25) mph be considered.
- 3.5** A person may submit a speed limit reduction request for any applicable street per section 3.1.
- 3.6** City staff will conduct a vehicle speed and volume evaluation to determine the vehicle traffic patterns for the subject street and evaluate the street classification.
- 3.7** City staff will mail all affected properties a ballot informing the residents of the speed limit reduction request and request all residents that vote "no" to return their ballot stating their "no" vote for reducing the speed limit.
 - 3.7.1** Ballots will be distributed as follows:
 - A single property having multiple buildings but a single owner (apartments) will receive one (1) ballot.
 - A single property with multiple buildings having multiple owners (condominiums) will receive one (1) ballot per unit.
 - A single property having multiple owners will receive one (1) ballot.
- 3.8** If City staff receives fifty percent plus one (50% plus 1) "no" votes from the street, the speed limit reduction request fails. If City staff receives less than fifty percent plus one (50% plus 1) "no" votes from the street, the speed limit reduction request moves forward.

- 3.8 Implementation of all associated signage for the approved speed limit reduction shall occur seven (7) days after Council's approval when the City Ordinance takes effect.
- 3.9 Unsuccessful street ballots must wait a minimum of one (1) year before requesting another speed limit reduction petition.
- 3.10 **City Council grants staff the authority to self-initiate speed limit reductions and implement based on engineering judgement.**

4 Intersection Evaluations

The following process shall be employed in addressing an intersection request at an intersection.

4.1 Eligibility: Staff receives a request to evaluate an intersection. For a street to be considered eligible, it will need to be within the Extra Territorial Jurisdiction (ETJ) or the corporate city limits of the City of Raleigh and within publicly dedicated right-of-way (NCDOT and/or City of Raleigh).

4.1.1 NCDOT maintained streets need concurrent approval

4.2 Staff will conduct an engineering evaluation of the intersection that includes:

4.2.1 A speed and volume study on all approaches to the intersection

4.2.2 Review the reported crash history

4.2.3 Review the intersections sight lines

4.2.4 Review all pedestrian/bicycle activity and trip generators (schools, parks, greenways, etc.) near the intersection

4.2.5 Review the intersection's location as it pertains to the entire neighborhood network

4.2.6 Review the intersection geometry to ensure conflicts are minimized

4.3 If conditions warrant, staff shall initiate a consent agenda item for City Council consideration. Implementation of all associated signage and striping for the approved installation shall occur seven (7) days after Council approval when the City Ordinance takes effect.

4.4 Intersections that have been recommended for denial must wait a minimum of one (1) year before requesting another multiway stop evaluation.

4.5 Appeal Process

- 4.5.1** Intersections that are not recommended through the evaluation process may appeal that decision.
- 4.5.2** The requestor may appeal the decision to the Raleigh Department of Transportation Director. The Director will make a determination on the appeal within Thirty (30) days.
- 4.5.3** The requestor must request an Appeal Form from Staff to complete and return for review and final determination from the Director.

4.6 Removal Process

- 4.6.1** Intersections with an intersection control device in place for over three (3) years may be eligible to have the intersection control device removed when the request is initiated.
- 4.6.2** Staff will re-evaluate the intersection per Section 4.1. If staff determines that the intersection control device is appropriate, the request for removal is denied.
- 4.6.3** Denied removal requests may be appealed and will follow the process outlined in Section 4.4
- 4.6.6** All articles approved by City Council must have the signs and striping removed in seven (7) days when the new ordinance will take effect.

5 Traffic Calming Overview

Traffic Calming treatments are physical measures that are placed in the vehicular roadway to slow vehicular speeds. The two main traffic calming treatment types are vertical and horizontal treatments. Vertical treatments include treatments such as speed humps or speed tables. This type of traffic calming elongates the vehicular travel distance by adding humps in the road that force drivers to reduce their speed as they traverse over them. Horizontal treatments include treatments such as curb bump outs, traffic circles, and chicanes. This type of traffic calming elongates the vehicular travel distance by adding obstacles in the roadway that instead of vehicles travelling in a straight line, they are forced to traverse the roadway in a serpentine motion, which slows their speeds. Streets within a quarter of a mile from a Raleigh Fire Department station will need further evaluation to determine if vertical treatments may be used as these streets may be deemed a primary emergency response route.

5.1 Traffic Calming Projects

Traffic Calming projects reduce speed on residential streets by using devices like speed humps, speed tables, traffic circles, median islands, chokers, chicanes and other similar items.

The following process shall be employed in establishing a Traffic Calming project:

5.1.1 Eligibility

5.1.1.1 Eligible streets will be limited to streets classified as one of the following under the City's Comprehensive Plan: Neighborhood Street, Neighborhood Local, Avenue 2-Lane, Undivided, Neighborhood Yield, Multi-Family Street and Main Street with Parallel Parking. For a street to be eligible, it will need to be within the corporate limits and currently maintained by the City of Raleigh. "Residents living on streets maintained by the NCDOT will need to contact the NCDOT and follow their traffic calming policy".

5.1.1.2 A completed speed limit reduction to either twenty-five miles per hour (25 MPH) or thirty miles per hour (30 MPH) must be completed six (6) months prior to a traffic calming evaluation per the steps outlined in section three (3).

5.1.1.2.1 If speed limit reduction ballot fails to meet warrants per section three (3) and there is a document speed compliance issue of five (5) mph or greater than the current speed limit, the street will be added to the project list and the speed limit will be reduced concurrently with a project's implementation.

- 5.1.1.3 Streets with average volumes below five hundred (500) vehicles per day or average volumes above six thousand (6,000) vehicles per day will not be included on the project list regardless of the evaluation score.
- 5.1.1.4 Staff performs the evaluation based on the criteria described in Section 8 (Evaluation Criteria).
- 5.1.1.5 For a street to be placed on the project list, a vehicle speed evaluation will need to occur, and vehicle crash history will be pulled for the previous three (3) years. If the vehicular speed and crash evaluations finds that the average 85th speed is greater than 7 mph over the posted speed limit or 2 or more speed related crashes have occurred in the 3-year research period, the street will be added to the priority project list. Streets will be ranked per the evaluation criteria listed in Section 8.
- 5.1.1.6 The Traffic Calming ranking list is approved by City Council. (See Section 8 – Project Ranking Lists)

5.1.2 Introduction, Street Marking and Public Comment Period

- 5.1.2.1 The residents along the top ranked streets and their surrounding neighborhoods are notified, by mail, of the Introduction, Street Marking and Public Comment Period meeting. A neighborhood is defined as a two (2) block radius around the subject street. This includes: parallel streets, cross streets, interconnecting streets, loop roads and cul-de-sacs.
 - 5.1.2.1.1 On-street is defined as all properties abutting the street as defined in the traffic calming project scope.
AND
 - 5.1.2.1.2 The greater neighborhood is defined as all abutting properties within a two block radius of the eligible street. If additional streets exist outside of the two-block radius, but the only ingress or egress is through the eligible street, engineering judgement may be used to include the affected properties in the balloting process.
- 5.1.2.2 Staff will present traffic calming educational materials to each neighborhood to introduce residents to the concept of traffic calming, provide education on the different types and styles of traffic calming and their associated pros/cons, and provide a best practice design for neighborhood discussion.
- 5.1.2.3 Staff shall conduct field markings of the treatments proposed in the preliminary design.
- 5.1.2.4 Residents will be notified of the introduction and preliminary design and the field markings.
- 5.1.2.5 Public comment on the introduction and preliminary design will be received for at least twenty-one (21) days after the notification.

5.1.2.6 Staff will review public comment and make any necessary adjustments to the treatment plan.

5.1.3 Continuation of the Design Meeting Phase

5.1.3.1 Residents of the street and its surrounding neighborhood (section 5.1.2.1) will be notified of the updates to the proposed project layout based on initial feedback will have the opportunity to work with staff to determine the final approval of treatments types and their locations along the street.

5.1.3.1.1 Staff may hold a virtual workshop may be held in lieu of an in-person workshop with a corresponding open comment period for a period of fourteen (14) days.

5.1.3.1.2 The Introduction, Street Marking, and Public Comment Period & the Continuation of the Design Meeting Phase should be held in immediate succession and flow into each other.

5.1.3.2 Staff will finalize the design based on the information gathered at the workshop.

5.1.4 Resident Approval Process

5.1.4.1 A ballot will be sent to residents of the street and its surrounding neighborhood seeking approval of the final design. The ballot process will follow the outlined procedures below. The ballot shall be sent to the residents during the Continuation of the Design Meeting Phase.

5.1.4.1.1 For an on-street ballot to be considered successful, the participating residents must show a minimum approval rating of seventy percent (70%).

AND

5.1.4.1.2 For the greater neighborhood ballot to be considered successful, the participating residents must show a minimum approval rating of sixty percent (60%).

5.1.4.1.3 Ballots will be distributed as follows:

- A single property having multiple buildings but a single owner (apartments) will receive one (1) ballot.
- A single property with multiple buildings having multiple owners (condominiums) will receive one (1) ballot per unit.
- A single property having multiple owners will receive one (1) ballot.

5.1.4.1.4 If the ballots fail then the street is removed from the project list and must wait one (1) year to begin the process again starting with a new request for a traffic calming evaluation.

- City Council has the right to waive policy thresholds to move a project forward.

5.1.4.1.5 If ballot is successful in meeting the required thresholds, the street moves to the Council approval and construction phase.

5.1.5 Project Approval and Installation

5.1.5.1 If the ballot is successful, staff will initiate a consent agenda item to authorize construction of the traffic calming project. If a resident is in opposition to the final outcome of the traffic calming project process, your right to be heard by Council in the form of the Public Comment Period can be exercised.

5.1.6 Project After Study

5.1.6.1 At least six (6) months after the treatments are installed, staff shall conduct speed and volume studies to determine the effectiveness of the installations. The results shall be part of the yearly program report. (Section 11)

6 Removal of Existing Treatments

The following process will be employed for the removal of existing traffic calming treatment(s).

6.1 Eligibility and Resident Approval

- 6.1.1** The treatment(s) must have been in place for at least three (3) years.
- 6.1.2** Treatment removal will follow the same two-phase procedure as the installation.
- 6.1.3** The same balloting process as described in section 5.1.4 will be required for a successful removal ballot process.
- 6.1.5** If either of the two (2) steps fails then the treatment(s) will remain in place and a three (3) year waiting period begins before another attempt at removal may commence.
- 6.1.6** Once the criteria for removal is completed, staff will add the removal of treatment(s) to a future traffic calming project or under one (1) years' time, whichever is less.

7 Project Ranking Lists

All traffic-calming evaluations of eligible streets will give a street a score as outlined in Section 8. A Street may be placed on the project list.

Streets eligible for a project will be ranked according to its score. For a street to be placed on the project list, it will need to have a documented speed compliance issue of five (five) miles per hour or greater OR two (2) speed related crashes in the previous five (5) years. Below is the criteria regarding the project ranking list:

- 7.1** Streets with average volumes between five hundred (500) vehicles per day and six thousand (6,000) vehicles per day are the preferred vehicular volumes for a traffic calming project. When vehicular volumes are less than or greater than the thresholds previously listed, engineering judgement will be used to determine applicability based on evaluation results
- 7.2** Street segments considered for traffic calming treatments should be approximately one (1) mile in length or less. Streets exceeding this requirement may be split into multiple segments using engineering judgment. In instances where one continuous residential street with no natural breaking points exist, staff may use engineering judgement to extend a project scope to include the entire street.
- 7.3** In no case shall a street less than five hundred (500) feet in length receive traffic calming treatments. Typical treatment spacing is three hundred to

five hundred feet (300'-500'), so the addition of traffic calming treatments in this scenario would not be an efficient use of resources.

- 7.4** There is a five (5) year evaluation window for evaluation data to be considered valid. After the five (5) year period expires, an automatic re-evaluation will occur, and the resultant evaluation score will be used to evaluate the conditions of the street and determine project applicability.
- 7.5** Streets removed from either project list due to the time limit must start the process over, beginning with a request for a street evaluation.
- 7.6** Raleigh Fire Department's priority route list will be as follows:
- Annual Trips 0 – 300: A mixture of all treatment types as described in Section 5 is available based on engineering judgement.
 - Annual Trips 301 – 450: Limited to majority horizontal treatment types, but allows strategic vertical treatments as described in Section 5 is available based on engineering judgement.
 - Annual Trips 451+: Limited to horizontal treatment types as described in Section 5 only and subject to further project restrictions based on specific site context.
- 7.7** Staff will use the approved lists to determine possible projects for that fiscal year. Staff will begin from the top of the approved project list and work down, in order.
- 7.8** Pending available funding, staff will attempt to begin ten to twenty (10-20) Traffic Calming projects through the Traffic Calming process as defined in Section 5 or through the Pilot Program as defined in Section 10 per project cycle.

8 Evaluation Criteria

This section identifies the criteria used to score and rank streets for potential inclusion onto the Traffic Calming project list. Streets must meet the eligibility criteria in Section 5.1.1 to receive a traffic calming evaluation. Streets that do not meet the requirements to be placed on the project list may request to be re-evaluated any time after a mandatory one (1) year waiting period. Examples of criteria scoring are found below each category.

8.1 Speed

An 85th percentile speed study will be conducted at multiple points along a street. The 85th percentile speed studies will be averaged to obtain a median speed. Points are earned when the average 85th percentile speed exceeds the posted speed limit of the street. The point scale is based on the speed limit of the subject street.

For every mile per hour over the posted speed limit, add the face value of that number to the total score.

Example: If a street has an average 85th percentile speed of five miles per hour (5 MPH) over the speed limit, it will receive fifteen (15) points (i.e. 1+2+3+4+5=15).

<u>Speed Criteria Point Comparison</u>		
Average 85%	Speed Limit 25 mph	Speed Limit 30 mph
28 mph	6 points	0 points
31 mph	21 points	1 point
34 mph	45 points	10 points
37 mph	78 points	28 points
40 mph	120 points	55 points
43 mph	171 points	91 points

8.2 Pedestrian Activity

Poor speed compliance can have a detrimental effect on pedestrian activity, especially when coupled with limited or no sidewalk. Since conducting pedestrian counts would equate to a snap shot in time and not necessarily indicate how much activity there is, the following metrics will be used to determine a score:

- 8.2.1** Any Public or Private school (Elementary through High School) within a quarter ($\frac{1}{4}$) mile radius of the subject street will be counted. Street context will next be evaluated to determine point allocation.
 - 8.2.1.1** If full sidewalk exists on both sides of the street, one (1) point for each school will be added to the score.
 - 8.2.1.2** If full sidewalk exists on one (1) side of the entire street, the number of schools will be multiplied by two and a half (2.5).
 - 8.2.1.3** If no sidewalk exists or incomplete sidewalk exists along the street, the number of schools will be multiplied by five (5).
 - 8.2.1.4** If the evaluation scope overlaps with a codified school zone, additional points will be factored in at ten (10) points per mile per hour the 85th speed is calculated over the speed limit. Existence of sidewalk is not a contributing factor to this point calculation.
- 8.2.2** If a preferred bike route is on the street or within a quarter ($\frac{1}{4}$) mile radius of the subject street, the number of preferred bike routes will be multiplied by the amount the vehicle evaluation finds the 85th speed over the speed limit.
- 8.2.3** If zero or an incomplete sidewalk exists on the subject street, multiply the 85th speed total over the posted speed limit by three (3).
- 8.2.4** Pedestrian generators will be multiplied by the existence of sidewalk.
 - 8.2.4.1** If no or incomplete sidewalk exists, multiply the number of generators by five (5).
 - 8.2.4.2** If complete sidewalk exists on one side, multiply the number of generators by two and a half (2.5).
 - 8.2.4.3** If a complete sidewalk exists on both sides of the street, pedestrian generators will count as 1 per generator
- 8.2.5** If there is any City or Regional bus stop on the street, multiply the number of bus routes by the 85th speed total over the posted speed limit.
- 8.2.6** If partial sidewalk or no sidewalk exists, it will be determined the percentage of the neighborhood does not have at minimum sidewalk on one side of the street. That percentage without sidewalk coverage will be multiplied by five (5) to determine point total.
- 8.2.7** A total of two and one half (2.5) points will be given if there is a sidewalk along only one (1) side of the subject street.
- 8.2.8** There will be no cap or limit for this category.

8.3 Crash History

The worst outcome of poor speed compliance is a vehicular crash. Therefore, the following metrics related to reported crashes will be used to determine a score:

- 8.3.1** Any reported speed-related crashes over the past three (3) years will receive ten (10) points for the first occurrence with an additional ten (10) point added to the previous point total for each sequential crash (i.e. 3 crashes: $10+20+30=60$). There will be no cap or limit for this category.

8.4 Volume

The vehicular volume becomes an increasing concern when the subject street has a speed compliance issue. To encapsulate this in the evaluation, traffic volume studies will be conducted by City staff at multiple locations on the street and averaged. The average of the daily traffic volume in both directions will be divided by two hundred fifty (250) with the resulting answer equaling the points awarded to the street.

8.5 Physical Street Conditions

The geometric characteristics of a street can compound speeding or the effects of it. Therefore, the following metrics related to reported crashes will be used to determine a score:

- 8.5.1** Five (5) points will be awarded if the subject street has a vertical grade greater than five percent (5%) anywhere along the street.
- 8.5.2** Five (5) points will be awarded if the subject street has one (1) or more horizontal curves.

8.6 Longevity Points

The timely delivering of a traffic calming project is a key aspect of traffic calming and quality of life concerns:

- 8.6.1** One (1) point will be added to the total score for each year a street has been eligible for a project since their first qualifying evaluation.

9 Private Funding of Traffic Calming

There are a finite number of neighborhood streets that currently exist as part of Raleigh's street network, but as private development continues to build new neighborhoods throughout Raleigh, more neighborhood streets are being added. The goal of the NTMP is to address all neighborhood streets that have speed compliance issues throughout Raleigh's neighborhoods as efficiently and effectively as possible. This cannot happen if new developments continually add streets to the existing network that will need to be addressed through a traffic calming project at a future date. City staff should work with private development to decrease this occurrence through the use of good street design and implementation of traffic calming measures when appropriate.

9.1 Traffic calming measures are available for use in new developments when new eligible public streets are being proposed. They are encouraged to be planned, engineered, and constructed at the time the streets are built. Decisions regarding the use of traffic calming measures in new developments will be made as part of the existing site plan and sub-division review process.

9.1.1 Horizontal traffic calming devices are preferred but when there are geometric limitations that prohibit those types of measures, vertical traffic calming devices will be allowed. All traffic calming devices shall be placed per industry best practices.

9.2 Traffic calming measures are available for use in new development on existing eligible public streets when the proposed development has development responsibility of both sides of the street for a length not to be less than one thousand feet (1000') and classified within the authority of the NTMP.

10 Pilot Program

Staff can initiate traffic calming techniques with temporary measures when warrants are met. These warrants include:

10.1 Streets must have a document speed compliance issue where the 85th percentile speed is equal to or greater than seven (7) mph over the speed limit OR a minimum of five (5) speed related crashes in the previous three (3) years

10.2 Eligible streets are classified as Neighborhood Street, Neighborhood Local, Neighborhood Yield, or Multi-Family Street

10.3 Staff will notify the eligible street of the Pilot Program and post the proposed plan online for resident review

10.4 The pilot project will be left in place for a period of one (1) year

10.4.1 Staff will perform speed evaluations to determine effectiveness of treatment type and treatment mix

10.5 At the end of the one (1) year pilot project duration, Staff will coordinate a meeting with the residents along the street to share project effectiveness and to receive resident comments

10.6 Staff will coordinate a ballot of the residents along the street to determine if they desire the installations to become permanent

10.6.1 The ballot will be sent to all properties that have property bordering the street that is eligible for the pilot program AND any streets where the only access to their property is by using the street going through the pilot program

10.7 Support to make the pilot project permanent must meet minimum thresholds

10.7.1 An approved ballot process requires a minimum seventy percent (70%) approval rating from those in the ballot area that choose to participate.

10.8 If approval warrants are met, staff will add the street to the next available project package for construction with the other approved traffic calming projects

11 Reporting

Staff shall provide annual reports by fiscal year addressing the following:

- 11.1 The number of evaluations conducted in each category by quarter.
- 11.2 The current ranking of projects.
- 11.3 The number of traffic calming projects initiated and completed.
- 11.4 Performance data for each project completed in the past year.

12 Maintenance

The Department of Transportation shall be responsible for the maintenance of all paved surfaces, curbs, and signage associated with these treatments. For any landscaping associated with a traffic calming treatment, a maintenance agreement shall be negotiated with the local homeowners association (HOA). If no legal neighborhood HOA exists, Department of Transportation staff shall be responsible for any landscaping maintenance within the roadway as specified in Standard Operating Procedure 700-11. Absent an agreement with a Homeowners Association, landscape maintenance of areas behind roadway curbs shall be the responsibility of the adjacent property owners as described in City Code Section 12-1037.

13 The NTMP and other City of Raleigh Programs

The City of Raleigh is committed to ensuring all projects are designed in a way so that best engineering practices are used and implemented to increase the quality of life for all residents. Tools used through the NTMP are available for use by other city programs when implementing projects along eligible streets as defined by Section 5.1.1.1 of the NTMP policy. Any use of traffic calming treatments by programs outside of the NTMP shall coordinate their design with NTMP staff and shall use industry best practices and placing standards.