

A RESOLUTION RECOMMENDING TRAFFIC CALMING MEASURES ON
ROSSBURN WAY

Draft Resolution No. 33/2011-12

WHEREAS, the Board of Aldermen adopted the Residential Traffic Management Plan (RTMP) in June of 1996 to provide "a process for identifying and addressing existing problems related to speeding, excessive volumes, and safety on town-maintained residential streets"; and,

WHEREAS, a valid traffic calming petition, in accordance with the RTMP, was received by residents of the Kent Woodlands neighborhood in November 2010; and,

WHEREAS, a traffic evaluation has been completed and the findings have been presented to the Board of Aldermen; and,

WHEREAS, the Transportation Advisory Board has recommended implementation of Stage 1 traffic calming measures as detailed in its recommendation;

NOW, THEREFORE BE IT RESOLVED by the Carrboro Board of Aldermen that:

1. The Board receives the traffic calming report on Rossburn Way.
2. The Board recommends implementation of the following Stage 1 traffic calming measures:
 - a. _____
 - b. _____
3. The Board provides the following direction on the potential for Stage 2 traffic calming measures:
 - a. No additional action is warranted at this time [OR]
 - b. Staff are directed to research the potential for Stage 2 traffic calming measures, present them to the Transportation Advisory Board for a review and recommendation, and report back to the Board of Aldermen [OR]
 - c. _____



TOWN OF CARRBORO
301 W. Main St.
Carrboro, NC 27510
Created Nov. 5, 2010

0 40 80 160
Feet
NC State Plane Coordinate System (NAD83)

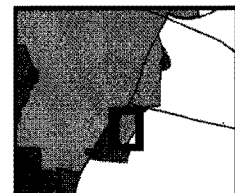
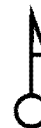
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The fact of dissemination does not constitute such a warranty.

Rossburn Way: Area of Influence

Legend

- Area of Influence
- Town limits
- Buildings
- Parcels

0 45 90 180
Feet



Attachment B - Neighborhood Petition Form (Page 2)

This petition is provided so that residents in a neighborhood may verify that there is a widespread concern for a speeding or traffic issue.

Town staff will identify an "area of influence" in the neighborhood. The area of influence includes properties abutting the street and properties on intersecting streets within a reasonable distance of the problem street. The Planning Department will provide a map and addresses for the area of influence.

The petition must be signed by at least 75 percent of the owners or residents of properties within the "area of influence." Each property is entitled to one signature. Valid signatures include those from (1) a property owner or spouse, (2) an adult head of household, or (3) an adult renting the property.

SIGNATURE AND PRINTED NAME	ADDRESS OF PROPERTY	DATE
Julie G. Kemper Julie Kemper	315 Rossburn Way	11/6/2010
	308 Rossburn Way	11/7/2010
Lane Thelen	102 Palomar Pt.	11/7/2010
Jill Marie F. Hill Jill Marie Hill	313 Rossburn Way	11/6/2010
Paige Ann Paige Ann	306 Rossburn Way	11/6/2010
David Rogers David Rogers	811 Rossburn Way	11/2/2010
Jon Baker Jon Baker	304 Rossburn Way	11/7/2010
KEN SHULMAN KT	309 Rossburn Way	11/7/10
Tim Samuels Tim Samuels	302 Rossburn Way	11/7/10
	307 Rossburn Way	
Mary Ellen Gustainis Mary Ellen Gustainis	300 Rossburn Way	11/7/10
Bryan Thurst Bryan Thurst	305 Rossburn Way	11/7/10
Deanne Kerner	303 Rossburn Way	11/7/10

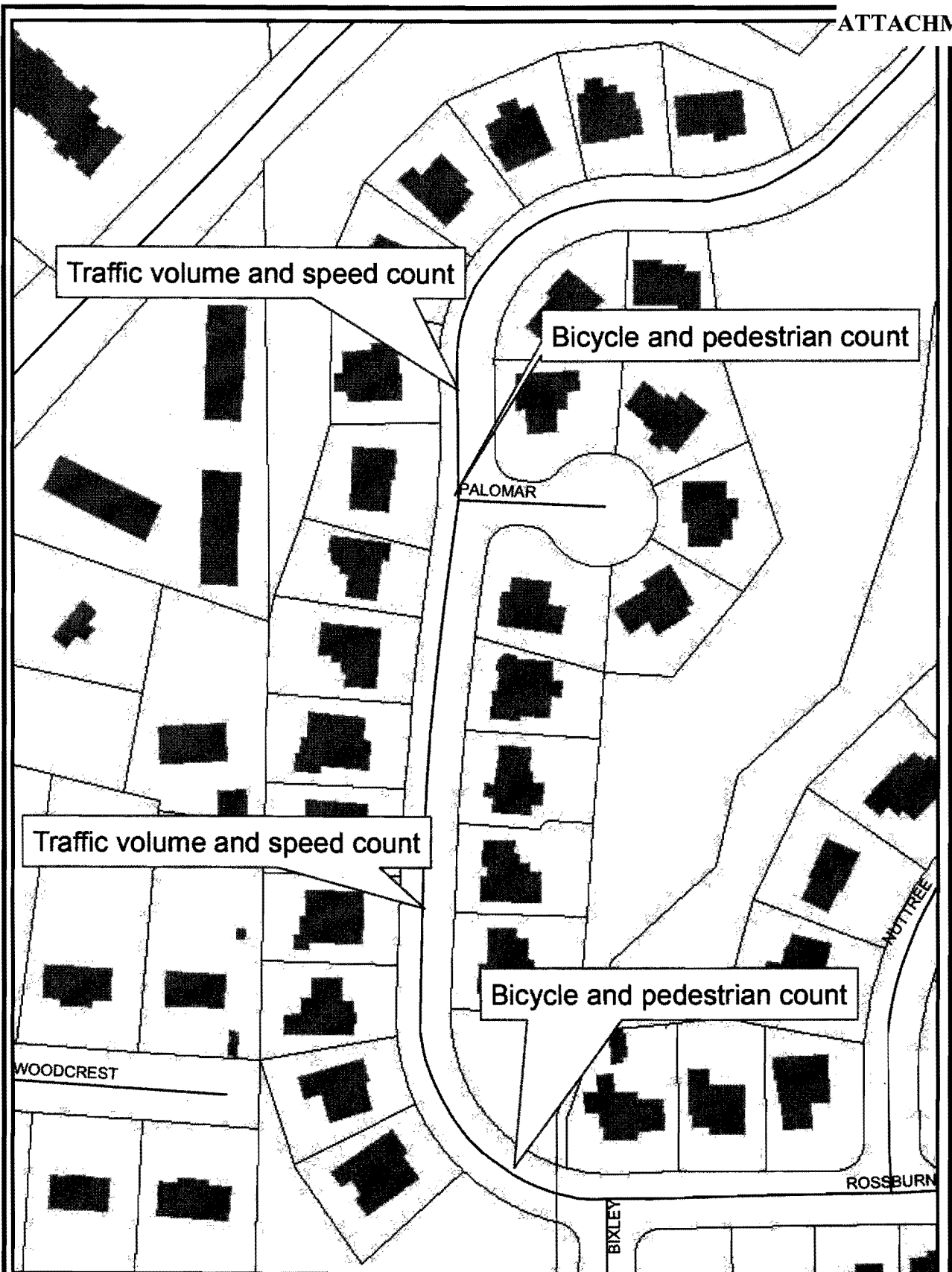
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SIGNATURE AND PRINTED NAME	ADDRESS OF PROPERTY	DATE
<i>[Signature]</i>	411 Rossburn Way	11/6/10
<i>[Signature]</i>	413 Rossburn Way	11/6/10
	409 Rossburn Way	
	407 Rossburn Way	
<i>[Signature]</i>	405 Rossburn Way	11/06/10
<i>[Signature]</i>	404 Rossburn Way	11/06/10
	402 Rossburn Way	
<i>[Signature]</i>	403 Rossburn Way	11/6/2010
<i>[Signature]</i>	400 Rossburn Way	11/6/2010
<i>[Signature]</i>	103 Palomar Pt.	11/6/2010
<i>[Signature]</i>	401 Rossburn Way	11/6/2010
<i>[Signature]</i>	104 Palomar Pt.	11/6/2010



TOWN OF CARRBORO
301 W. Main St.
Carrboro, NC 27510

Created October 10, 2011

0 40 80 160
Feet
NC State Plane Coordinate System (NAD83)

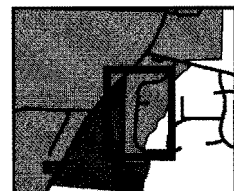
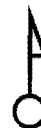
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Rosburn Way: Approximate traffic count locations

Legend

- Buildings
- Parcels

0 50 100 200
Feet



Traffic Calming Criteria

Street Name:

Rossburn Way

Palomar Pt. location

Criteria	Application	Collected Data	Points	Notes
<i>Traffic Volume</i>	<i>Criteria</i> – 5 points for every 20 % of volume that exceeds the expected number of vehicles per day (vpd) on the street, based on the function of the street (75 vpd for minor streets, 200 vpd for local streets, and 800 vpd for subcollector and collector	Avg. 323 vpd	15	Rossburn Way classified as local
<i>85th Percentile Speed</i>	<i>Criteria</i> – 2 points for every mph that the 85 th percentile speed exceeds the posted speed limit	30 mph (SB)	10	Southbound direction used; northbound direction 29 mph
<i>Pedestrian Volume</i>	<i>Criteria</i> – 1 point for every 10 pedestrians if the street has a sidewalk, 5 points per 10 pedestrians if no sidewalk. Counts are made in either the peak traffic hour or the hour when students are traveling to or from school	62	6	Bike and ped counts conducted Wed, 4/6/11, 3:00 to 4:00 pm
<i>Bicycle Volume</i>	<i>Criteria</i> – 1 point for every 10 cyclists if the street has bike lanes, 3 points per 10 cyclists if no bike lanes. Counts are made in either the peak traffic hour or the hour when students are traveling to or from school	1	0	
<i>Bus Stops</i>	<i>Criteria</i> – 1 point for each transit stop and 2 points for each school bus stop on the street	0 transit; 1 school	2	
<i>Proximity to Pedestrian Generator (Retail and Parks)</i>	<i>Criteria</i> – 5 points if within 0-0.2 miles; 3 points if within 0.21 and 0.4 miles; 1 point if within 0.41 and 0.6 miles.	0	0	Based on network distance
	<u>Additional Consideration:</u> In some situations the residents' concern is for a few drivers greatly exceeding the speed limit. In this case, town staff would also review the 95th percentile speed on the street.			
TOTAL POINTS			33	

Traffic Calming Criteria

Street Name:

Rossburn Way

Bixley Dr. location

Criteria	Application	Collected Data	Points	Notes
<i>Traffic Volume</i>	<i>Criteria</i> – 5 points for every 20 % of volume that exceeds the expected number of vehicles per day (vpd) on the street, based on the function of the street (75 vpd for minor streets, 200 vpd for local streets, and 800 vpd for subcollector and collector	Avg. 78 vpd	0	Rossburn Way classified as local
<i>85th Percentile Speed</i>	<i>Criteria</i> – 2 points for every mph that the 85 th percentile speed exceeds the posted speed limit	28 mph	6	Both directions averaged 28 mph
<i>Pedestrian Volume</i>	<i>Criteria</i> – 1 point for every 10 pedestrians if the street has a sidewalk, 5 points per 10 pedestrians if no sidewalk. Counts are made in either the peak traffic hour or the hour when students are traveling to or from school	7	0	Bike and ped counts conducted Wed, 4/6/11, 3:00 to 4:00 pm
<i>Bicycle Volume</i>	<i>Criteria</i> – 1 point for every 10 cyclists if the street has bike lanes, 3 points per 10 cyclists if no bike lanes. Counts are made in either the peak traffic hour or the hour when students are traveling to or from school	4	0	
<i>Bus Stops</i>	<i>Criteria</i> – 1 point for each transit stop and 2 points for each school bus stop on the street	0 transit; 1 school	2	
<i>Proximity to Pedestrian Generator (Retail and Parks)</i>	<i>Criteria</i> – 5 points if within 0-0.2 miles; 3 points if within 0.21 and 0.4 miles; 1 point if within 0.41 and 0.6 miles.	0	0	Based on network distance
	<u>Additional Consideration:</u> In some situations the residents' concern is for a few drivers greatly exceeding the speed limit. In this case, town staff would also review the 95th percentile speed on the street.			
TOTAL POINTS			8	

Traffic Calming Criteria

Street Name:

Rossburn Way

Palomar Pt. location (95th percentile analysis)

Criteria	Application	Collected Data	Points	Notes
Traffic Volume	Criteria – 5 points for every 20 % of volume that exceeds the expected number of vehicles per day (vpd) on the street, based on the function of the street (75 vpd for minor streets, 200 vpd for local streets, and 800 vpd for subcollector and collector	Avg. 323 vpd	15	Rossburn Way classified as local
95 th Percentile Speed	Criteria – 2 points for every mph that the 95 th percentile speed exceeds the posted speed limit	37 mph (NB)	24	*Note: This is the average speed of the 35 to 39 MPH speed bin. It represents an approximation of the 95th-percentile speed using the computer-generated Time/Speed report from the data collection.
Pedestrian Volume	Criteria – 1 point for every 10 pedestrians if the street has a sidewalk, 5 points per 10 pedestrians if no sidewalk. Counts are made in either the peak traffic hour or the hour when students are traveling to or from school	62	6	Bike and ped counts conducted Wed, 4/6/11, 3:00 to 4:00 pm
Bicycle Volume	Criteria – 1 point for every 10 cyclists if the street has bike lanes, 3 points per 10 cyclists if no bike lanes. Counts are made in either the peak traffic hour or the hour when students are traveling to or from school	1	0	
Bus Stops	Criteria – 1 point for each transit stop and 2 points for each school bus stop on the street	0 transit; 1 school	2	
Proximity to Pedestrian Generator (Retail and Parks)	Criteria – 5 points if within 0-0.2 miles; 3 points if within 0.21 and 0.4 miles; 1 point if within 0.41 and 0.6 miles.	0	0	Based on network distance
	<u>Additional Consideration:</u> In some situations the residents' concern is for a few drivers greatly exceeding the speed limit. In this case, town staff would also review the 95th percentile speed on the street.			See above.
TOTAL POINTS			47	

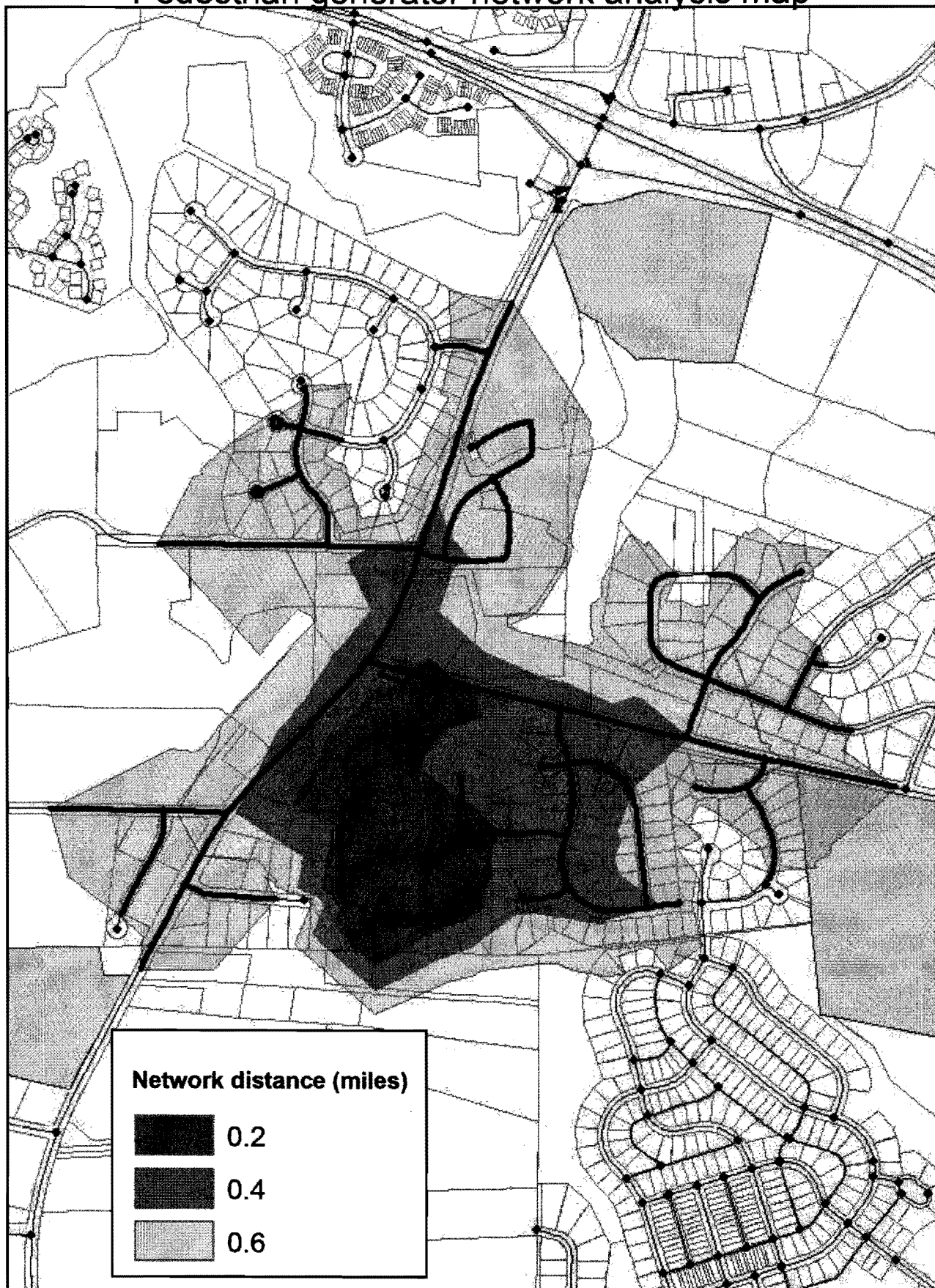
Speed and volume calculations - Rossburn Way traffic calming evaluation

	AADT			Exp VPD	% diff	Pts	85th percentile		Limit	Difference		Pts	
	NB	SB	Total				NB	SB		NB	SB	NB	SB
Palomar Pt	152	171	323	200	62%	15	29.33	29.97	25	4.33	4.97	8	10
Bixley Dr	25	53	78	200	-61%	0	28.33	28.16	25	3.33	3.16	6	6

Bin analysis - Rossburn Way traffic calming evaluation

Southbound - Palomar Pt (400)																
Bin	<9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	>75	Total
Bin avg.	4.5	12	17	22	27	32	37	42	47	52	57	62	67	72	N/A	
Volume	0	0	21	115	148	34	9	3	3	0	1	0	0	0	0	334
Cumulative	0	0	21	136	284	318	327	330	333	333	334	334	334	334	334	
Percentile	0.0%	0.0%	6.3%	40.7%	85.0%	95.2%	97.9%	98.8%	99.7%	99.7%	100.0%	100.0%	100.0%	100.0%	100.0%	
Northbound - Palomar Pt (400)																
Bin	<9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	>75	Total
Bin avg.	4.5	12	17	22	27	32	37	42	47	52	57	62	67	72	N/A	
Volume	1	10	19	123	112	13	4	5	4	3	1	0	0	0	0	295
Cumulative	1	11	30	153	265	278	282	287	291	294	295	295	295	295	295	
Percentile	0.3%	3.7%	10.2%	51.9%	89.8%	94.2%	95.4%	97.3%	98.6%	99.7%	100.0%	100.0%	100.0%	100.0%	100.0%	

Rosburn Way traffic calming request:
Pedestrian generator network analysis map



**TOWN OF CARRBORO****TRANSPORTATION ADVISORY BOARD****RECOMMENDATION****September 15, 2011**

SUBJECT: Rossburn Way traffic calming request

MOTION: The Transportation Advisory Board recommends to the Board of Aldermen that Stage 1 traffic calming measures be implemented immediately on Rossburn Way, including signage and enforcement from the Police Department preceded by an announcement to the neighborhood that the enforcement will occur.

Staff should research inexpensive Stage 2 traffic calming measures – either permanent or temporary – that can be implemented immediately, in order to determine the best solution for the neighborhood. The TAB requests that they have the opportunity to review those possible solutions.

Moved: Perry

Second: Štolka

VOTE: Ayes (4): LaJeunesse, Štolka, Perry, Curtis. Nays (0). Abstain (0). Absent (1): Pergolotti.

Jeff S. Blum
for
Seth LaJeunesse
TAB Chair

10 / 14 /11
DATE