

A RESOLUTION RELATING TO TRAFFIC CALMING MEASURES ON ROSSBURN
WAY

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 from residents of the Kent Woodlands neighborhood in November 2010; and,

WHEREAS, a traffic evaluation was completed, and the Transportation Advisory Board made a recommendation, both of which were presented to the Board of Aldermen on October 18, 2011; and,

WHEREAS, at this meeting, the Board of Aldermen adopted a resolution recommending Stage 1 traffic calming measures and directed that research on potential Stage 2 measures be completed and presented to the Transportation Advisory Board, Town of Chapel Hill, and neighborhood residents; and,

WHEREAS, the Transportation Advisory Board has reviewed the aforementioned Stage 2 research and options; received feedback from neighbors; and made a recommendation to the Board of Aldermen; and,

WHEREAS, enforcement and education have been implemented with Town staff, working with neighborhood residents;

NOW, THEREFORE BE IT RESOLVED by the Carrboro Board of Aldermen that the Board receives the traffic calming report on Rossburn Way.

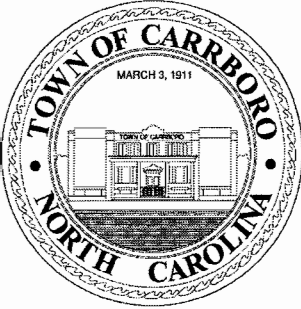
BE IT FURTHER RESOLVED that:

1. [Option 1] that Stage 1 traffic calming measures continue to be pursued as necessary.
[Specific guidance on Stage 1 measures, if needed]
 - a. _____
 - b. _____
 - c. _____
2. [Option 2] that Stage 2 Alternative 1 be pursued.
3. [Option 3] that Stage 2 Alternative 2 be pursued.

[Additional guidance]

1. _____
2. _____
3. _____

This is the 5th day of March in the year 2013.



TOWN OF CARRBORO

TRANSPORTATION ADVISORY BOARD

RECOMMENDATION

February 21, 2013

SUBJECT: Rossburn Way traffic calming – follow-up

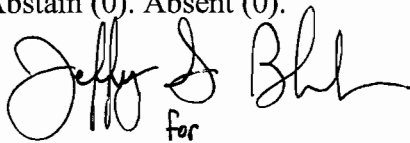
MOTION: After discussing the situation and having feedback from the neighborhood:

1. The Transportation Advisory Board recommends to the Board of Aldermen that the Stage 1 measures continue to be implemented;
2. The TAB recommends that the Town communicate with the Police Department about conducting speed enforcement operations in the neighborhood between the times of 4:00 and 6:00 P.M., which is when the problem seems to be its worst;
3. The TAB has suggested to the neighbors that the license plate numbers of offenders be reported to the Police Department and that they ask the Police Department to follow up on those as anonymous reports;
4. The TAB has suggested that the neighbors invite the Police Department to speak at a neighborhood function about the speeding problem in the neighborhood;
5. After these actions have been done, the Town should evaluate speeds on that stretch of road.

Moved: Nicopoulos

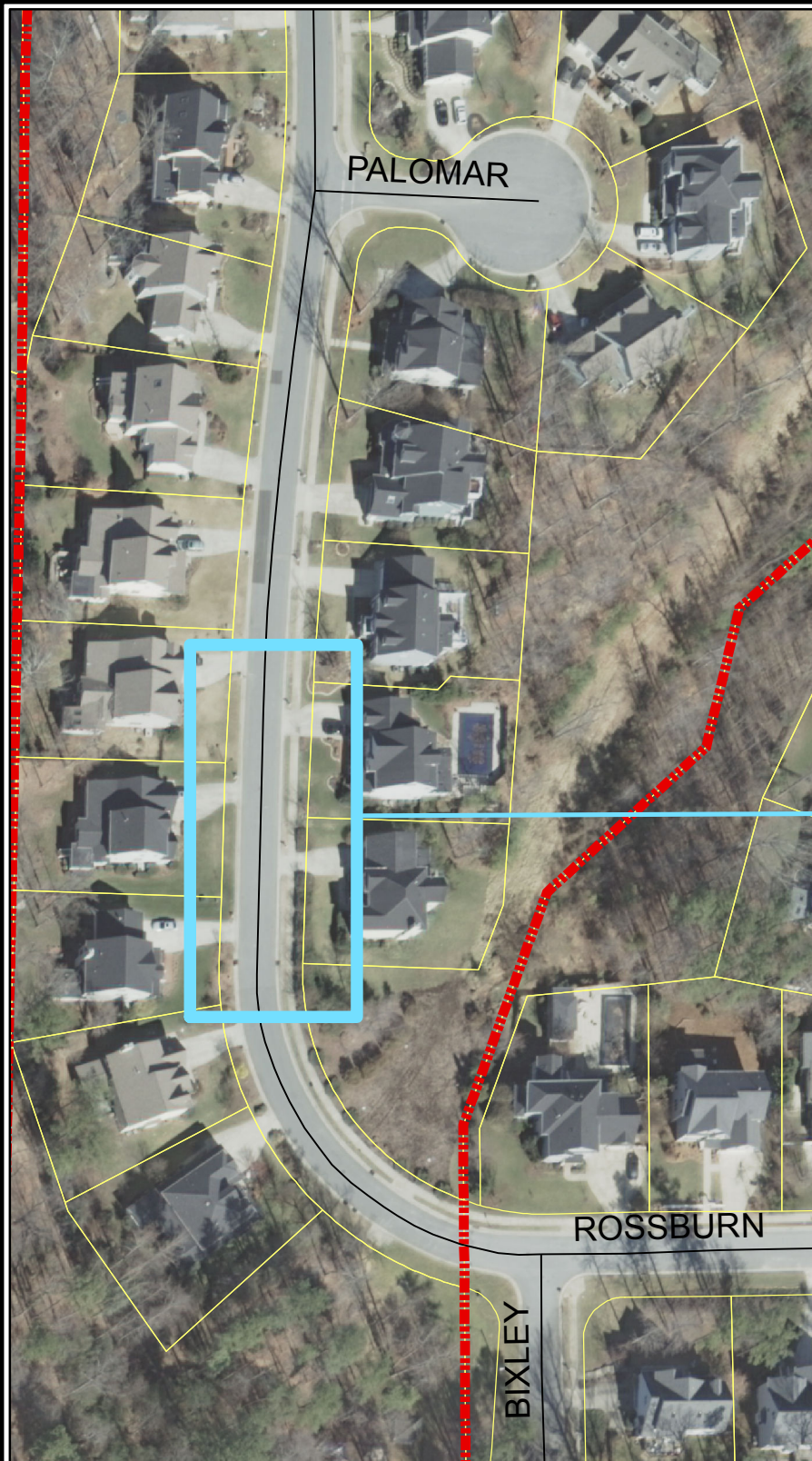
Second: Štolka

VOTE: Ayes (7): LaJeunesse, Štolka, Perry, Sieff, Haac, Nicopoulos, Kim. Nays (0). Abstain (0). Absent (0).

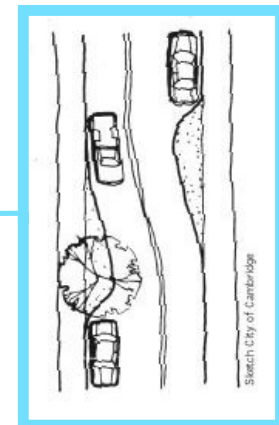

for

Seth LaJeunesse
TAB Chair

2 / 28 /13
DATE



Chicane
(Source: FHWA)



TOWN OF CARRBORO
301 W. Main St.
Carrboro, NC 27510
Created February 18, 2013

0 25 50 100
Feet

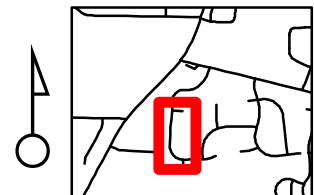
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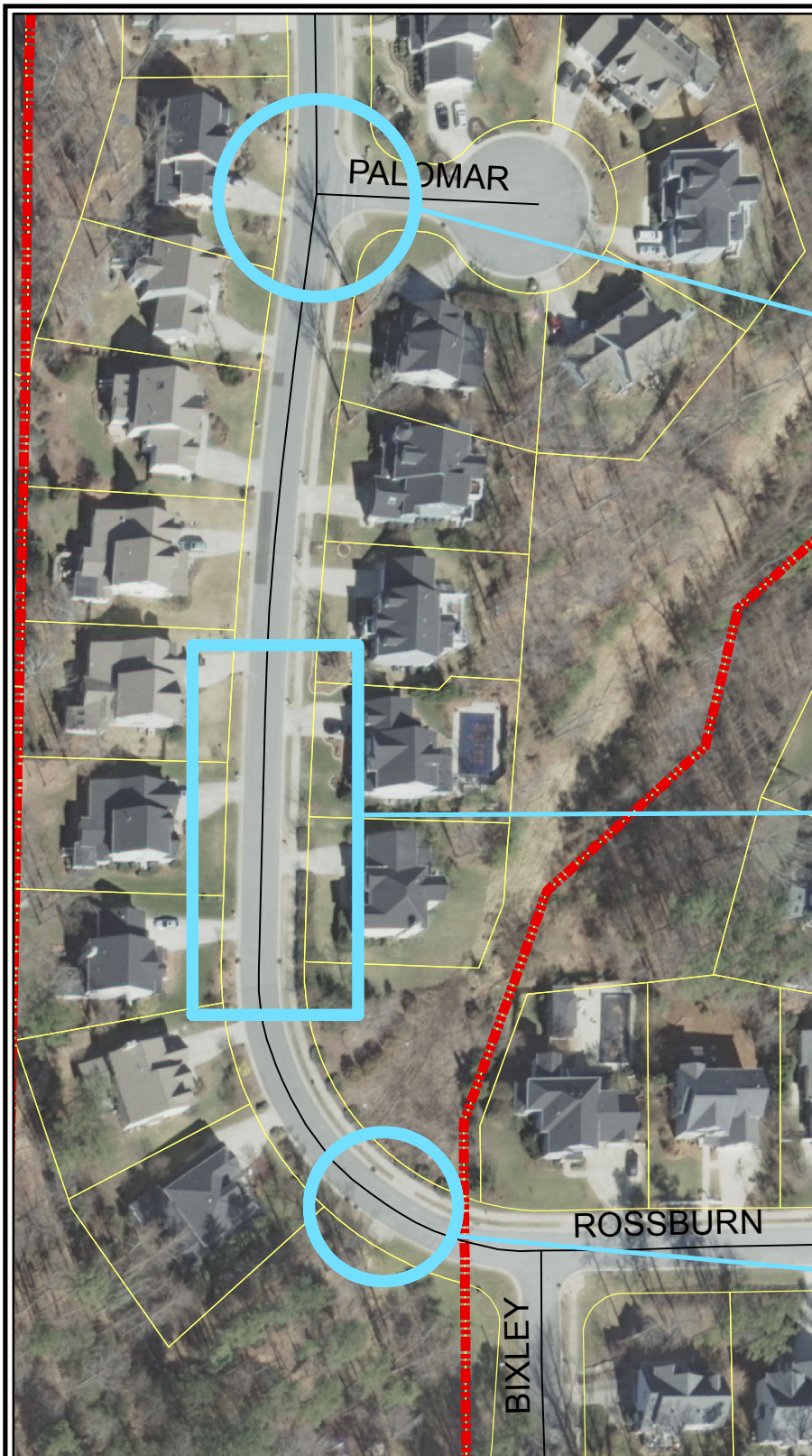
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Rossburn Way - Stage 2 Traffic Calming - Alternative 1

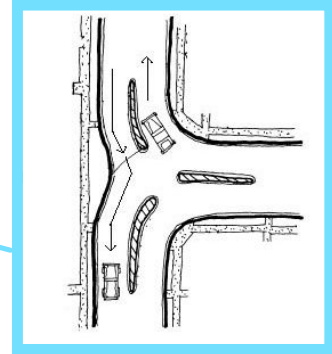
Legend

----- Town Limits



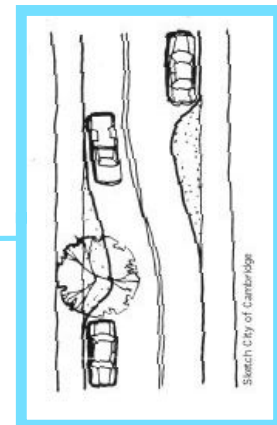


Modified T-intersection (Source: FHWA)

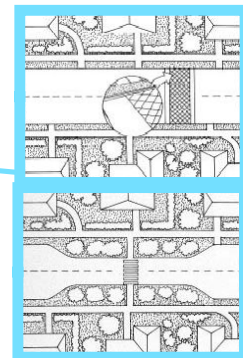


* design modified to maintain driveway access

Chicane (Source: FHWA)



Raised crosswalk or narrowing (Source: FHWA)



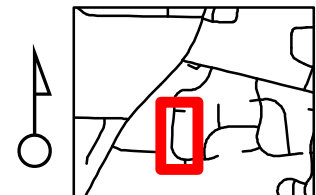
TOWN OF CARRBORO
301 W. Main St.
Carrboro, NC 27510
Created February 18, 2013

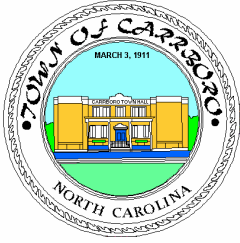
0 30 60 120
Feet
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Rossburn Way - Stage 2 Traffic Calming - Alternative 2

Legend

----- Town Limits





Possible Stage 2 traffic calming measures listed in the RTMP:

- Bulbouts / Curb Extensions
- Center island medians
- Chicanes
- Landscape treatments
- Mid-block chokers
- Neighborhood traffic circles
- Pedestrian refuge islands
- Raised crosswalks
- Realigned intersections
- Roundabouts
- Sidewalks
- Speed humps
- Speed tables

Board of Aldermen discussion on this topic took place October 18, 2011. For agenda materials from this meeting, visit townofcarrboro.org > Town Government.

Town Hall is accessible for persons with disabilities.

Carrboro Town Hall

301 W. Main St.
Carrboro, NC 27510

For more information, contact Jeff Brubaker, Transportation Planner:
Phone: 919-918-7329
E-mail: jbrubaker@townofcarrboro.org

TRAFFIC CALMING ON ROSSBURN WAY

Transportation Advisory Board meeting

**THURSDAY, FEBRUARY 21, 2013
7:30 P.M.**

CARRBORO TOWN HALL, ROOM 109

Carrboro Board of Aldermen meeting

**TUESDAY, MARCH 5, 2013
7:30 P.M.**

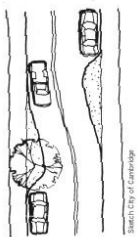
CARRBORO TOWN HALL, ROOM 110

These meetings will include an agenda item on traffic calming on Rossburn Way that may include a discussion of potential Stage 2 traffic calming measures.

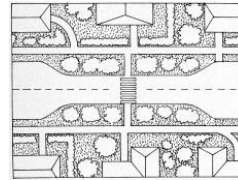
Stage 2 traffic calming measures are defined in the Residential Traffic Management Plan (RTMP) as “physical modifications of the street intended to control traffic speeds”.

Stage 1 traffic calming measures, including a stop sign and educational efforts, have been implemented, and speed reductions have been observed.

The following Stage 2 traffic calming measures will be presented as options to consider, should there be a desire for Stage 2 measures.

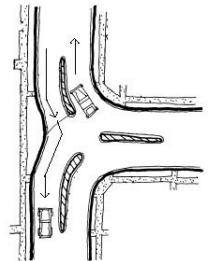


Chicane
(Source: FHWA)



Choker (Source: FHWA)

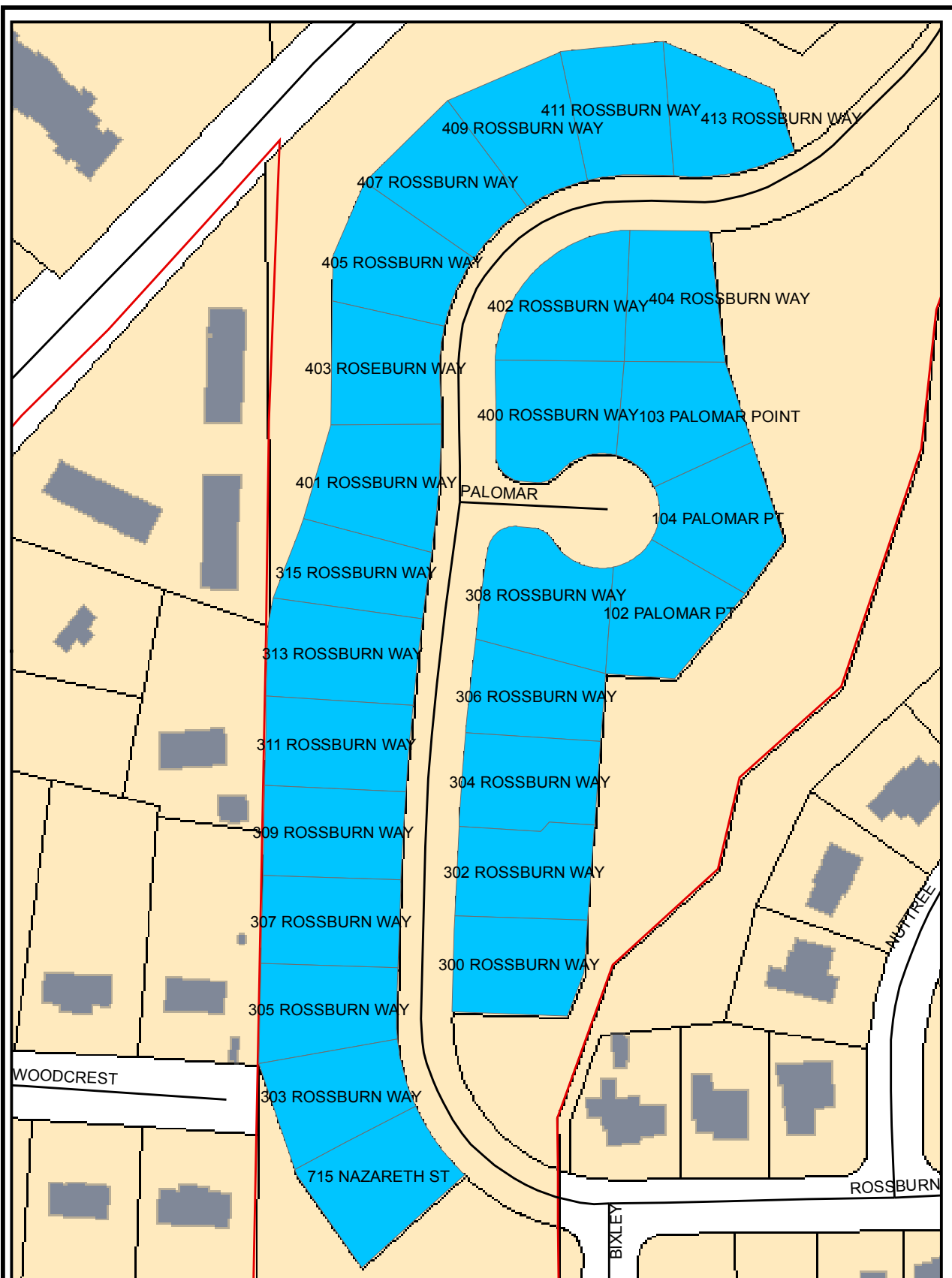
Modified T-intersection
(Source: FHWA)



Raised crosswalk (Source: ITRE, NCSU)



Speed hump (Source: FHWA)



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)

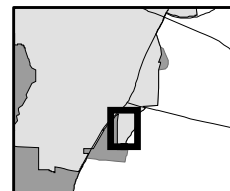
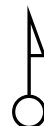
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Rossburn Way: Area of Influence

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
<i>Julie G. Kemper</i> Julie Kemper	315 Rossburn Way	11/6/2010
	308 Rossburn Way	11/7/2010
<i>Lane Parker</i>	102 Palomar Pt.	11/7/2010
<i>Jill Marie F. Hill</i> Jill Marie Hill	313 Rossburn Way	11/6/2010
<i>Paige Ann</i> <i>Paige Ann</i>	306 Rossburn Way	11/6/2010
<i>Sandra Magan</i> Sandra Magan	811 Rossburn Way	11/2/2010
<i>Jon Bah</i> Jon Bah	304 Rossburn Way	11/7/2010
<i>KEN SHULMAN</i> KT <i>Shulman</i>	309 Rossburn Way	11/7/10
<i>Sam Samuels</i> <i>Sam Samuels</i>	302 Rossburn Way	11/7/10
	307 Rossburn Way	
<i>Mary Ellen Gustainis</i> Mary Ellen Gustainis	300 Rossburn Way	11/7/10
<i>Bryan Thum</i> Bryan Thum	305 Rossburn Way	11/7/10
<i>Heanne Kremer</i>	303 Rossburn Way	11/7/10

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SIGNATURE AND PRINTED NAME	ADDRESS OF PROPERTY	DATE
<i>Brian Spaling</i>	411 Rossburn Way	11/6/10
<i>M. Buck</i>	413 Rossburn Way	11/6/10
	409 Rossburn Way	
	407 Rossburn Way	
<i>Kathy Lusa</i>	405 Rossburn Way	11/06/10
<i>Jim Selby</i>	404 Rossburn Way	11/06/10
<i>Janet D.D.</i>	402 404 Rossburn Way	
<i>Sanya Cato</i> Sanya Cato	403 Rossburn Way	11/6/2010
<i>Mandy Hudson</i>	400 Rossburn Way	11/6/2010
<i>Joseph Brucini</i>	103 Palomar Pt.	11/6/2010
<i>Lidia M. Perez</i>	401 Rossburn Way	11/6/2010
<i>David Balshaw</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)

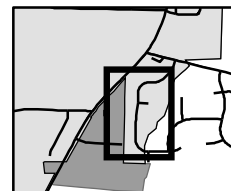
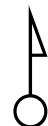
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Rossburn Way: Approximate traffic count locations

Legend

- Buildings
- Parcels

0 50 100 200
Feet



Traffic Calming Criteria

Street Name:

Rosburn 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	Rosburn 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:

Rosburn 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	Rosburn 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:

Rosburn Way

Palomar Pt. location (95th percentile analysis)

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	Rosburn Way classified as local
<i>95th Percentile Speed</i>	<i>Criteria</i> – 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.
<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.			See above.
TOTAL POINTS			47	

Speed and volume calculations - Rossburn Way traffic calming evaluation

	AADT			Exp VPD	% diff	Pts	85th percentile			Difference		Pts	
	NB	SB	Total				NB	SB	Limit	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		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%	95.6%	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

