

Neighborhood Traffic Management Program



**Greenbrook Drive South
Harlan Drive
St. Christopher Drive
St. David Drive
Neighborhood Meeting
Tuesday, May 8, 2018**







Meeting Agenda

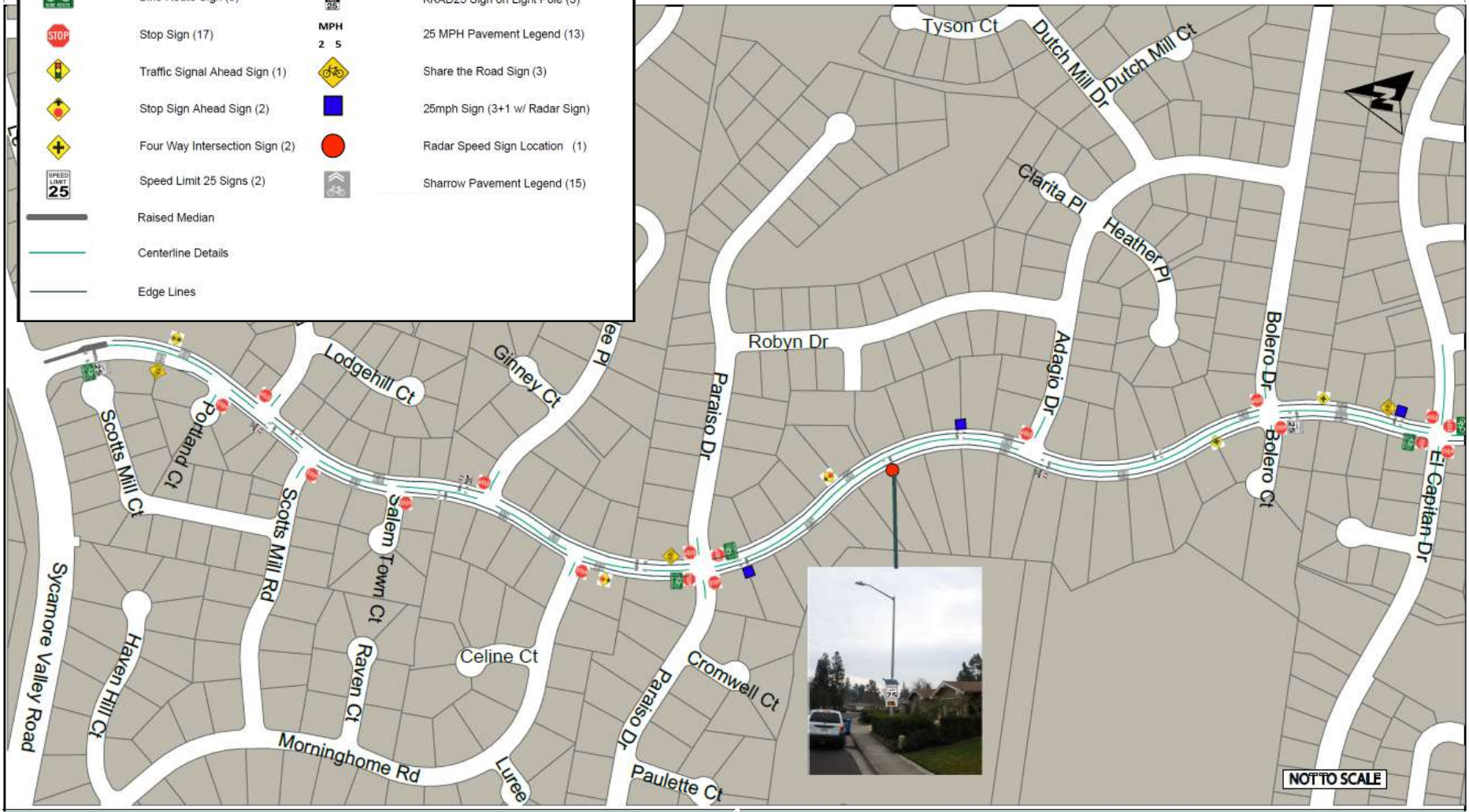
- Welcome and Introductions
- Meeting Overview and Ground Rules
- NTMP Process Review
- Recap on Greenbrook Drive North NTMP
- Recap on Petition Requirements
- Neighborhood Survey Data/Discussion
- Open Forum (Q&A)
- Next Steps

NTMP Process

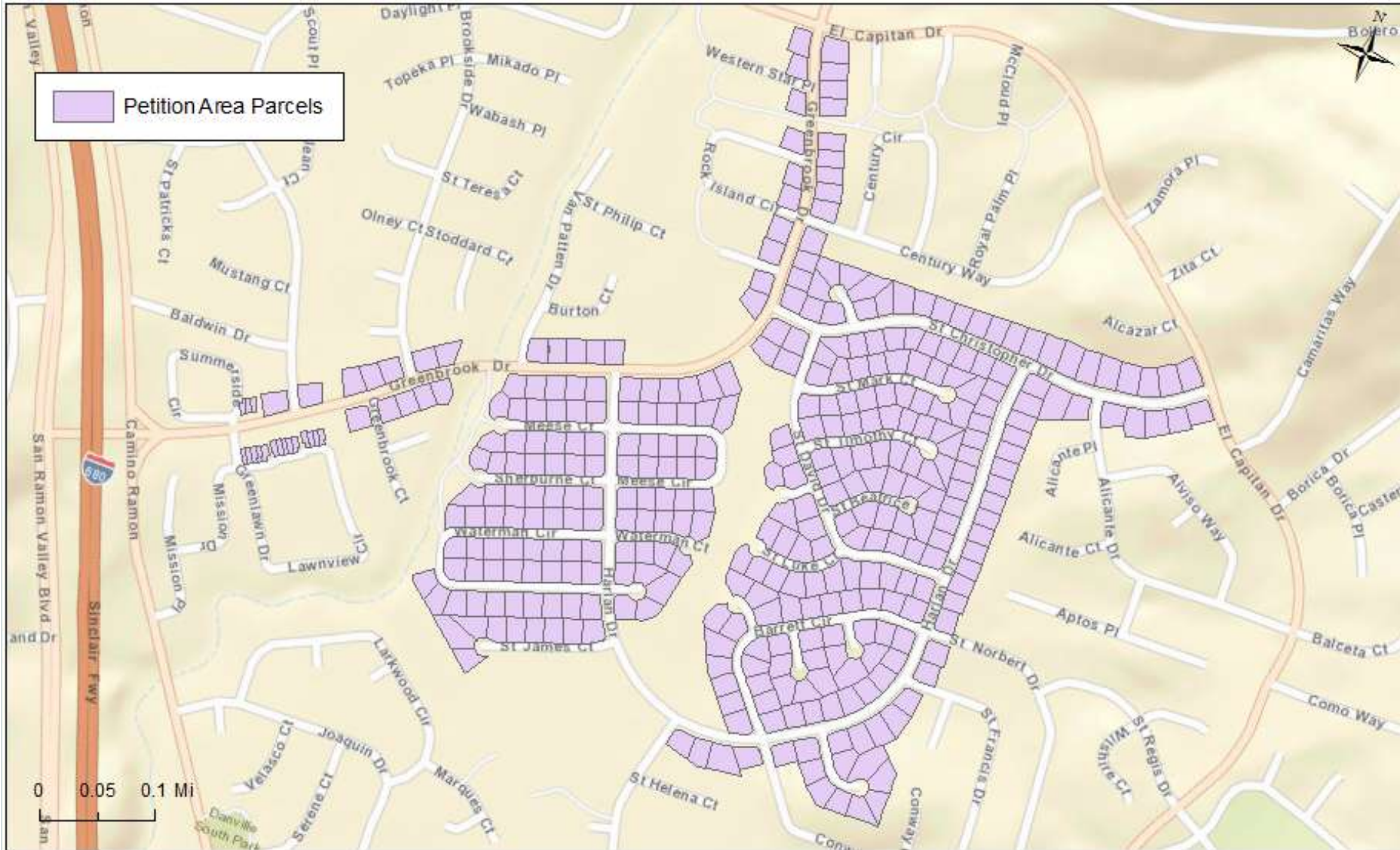
- Preliminary Screening, Data Collection and Analysis
 - NTMP Application
 - Traffic Data is Collected and Analyzed
 - Determine if Neighborhood Qualifies for the Program
- Neighborhood Involvement
 - Neighborhood Meeting to determine the Plan of Action
 - Category 1 Educational, Awareness, Enforcement
 - Category 2 Measures: Traffic Control Devices
 - Category 3 Measures: Traffic Calming Devices
 - Neighborhood Petitions
 - Proposal is Presented to Town Council for Approval
 - Traffic Calming Measures are Implemented
 - Effectiveness of the Traffic Calming Measures are Monitored
 - Traffic Safety Concerns are Addressed

Completed Greenbrook Drive (North) Traffic Calming Plan

Preexisting	New Measures
 Bike Route Sign (5)	 KKAD25 Sign on Light Pole (3)
 Stop Sign (17)	 25 MPH Pavement Legend (13)
 Traffic Signal Ahead Sign (1)	 Share the Road Sign (3)
 Stop Sign Ahead Sign (2)	 25mph Sign (3+1 w/ Radar Sign)
 Four Way Intersection Sign (2)	 Radar Speed Sign Location (1)
 Speed Limit 25 Signs (2)	 Sharrow Pavement Legend (15)
 Raised Median	
 Centerline Details	
 Edge Lines	



Greenbrook Drive South Neighborhood Area



Requirements for Each Petition

General Requirements:

- a. 1 Vote Per Parcel
- b. 70% Approval from Parcels on Primary Street of Concern, As Defined on the Map
- c. 50% Approval from Adjacent Streets within the Neighborhood Boundary Map

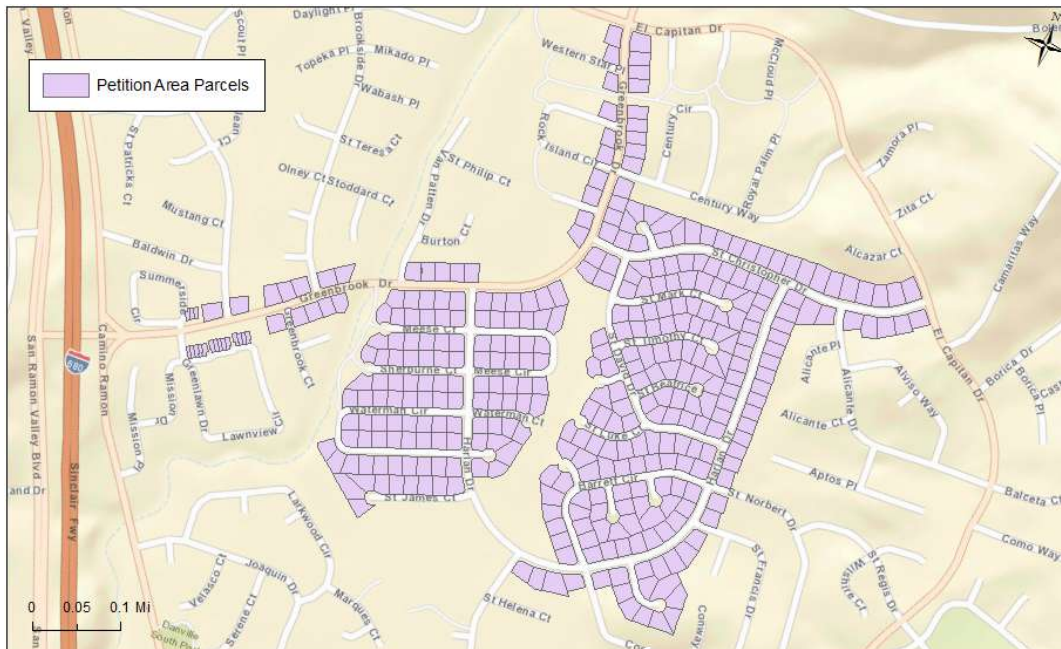
Certain Devices Carry Additional Requirements:

- d. 100% Approval from Parcels within Proximity of the Proposed Location

Applicable Devices:

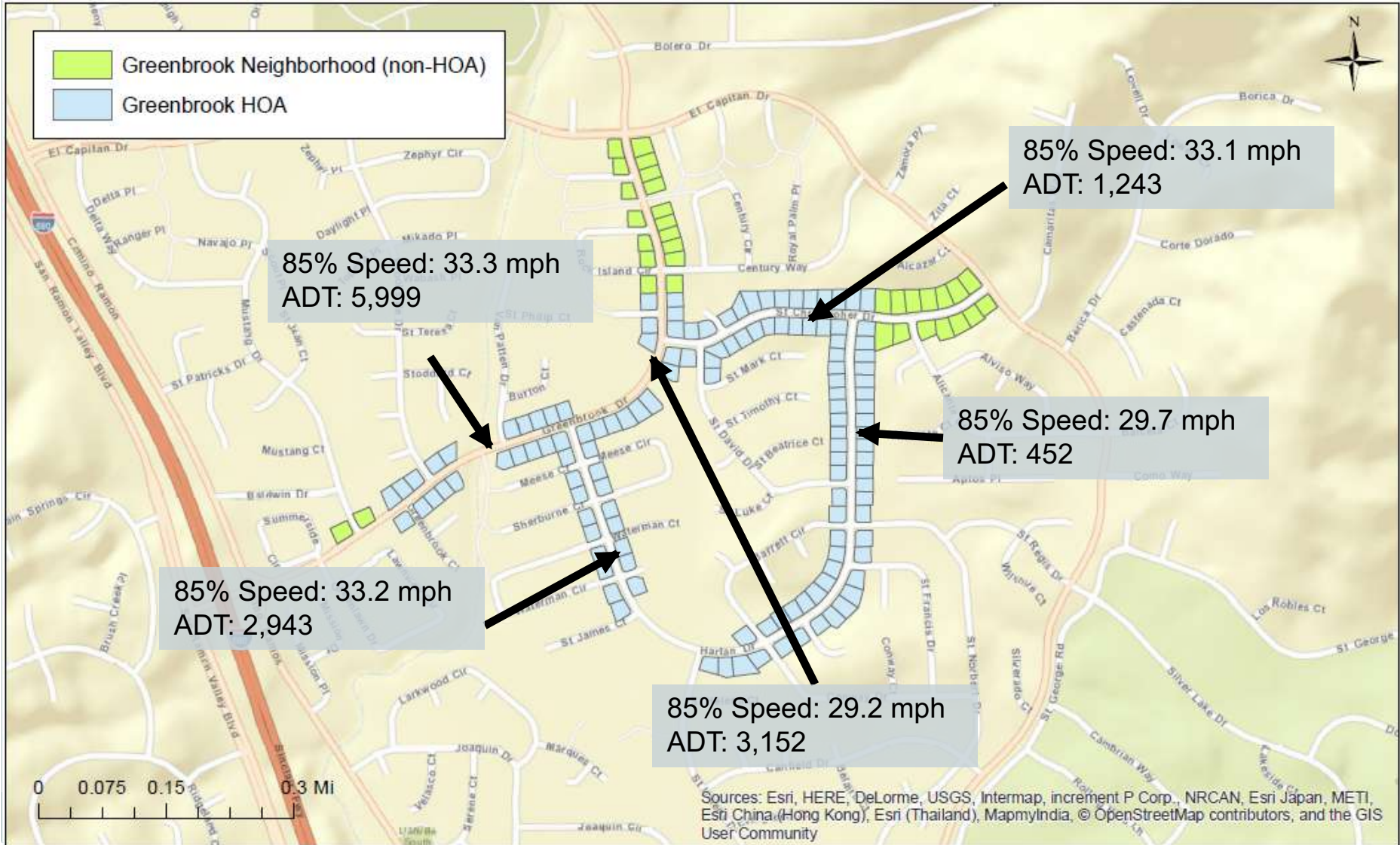
Category 1.2 (Radar Speed Display Signs)

Category 3 (All)



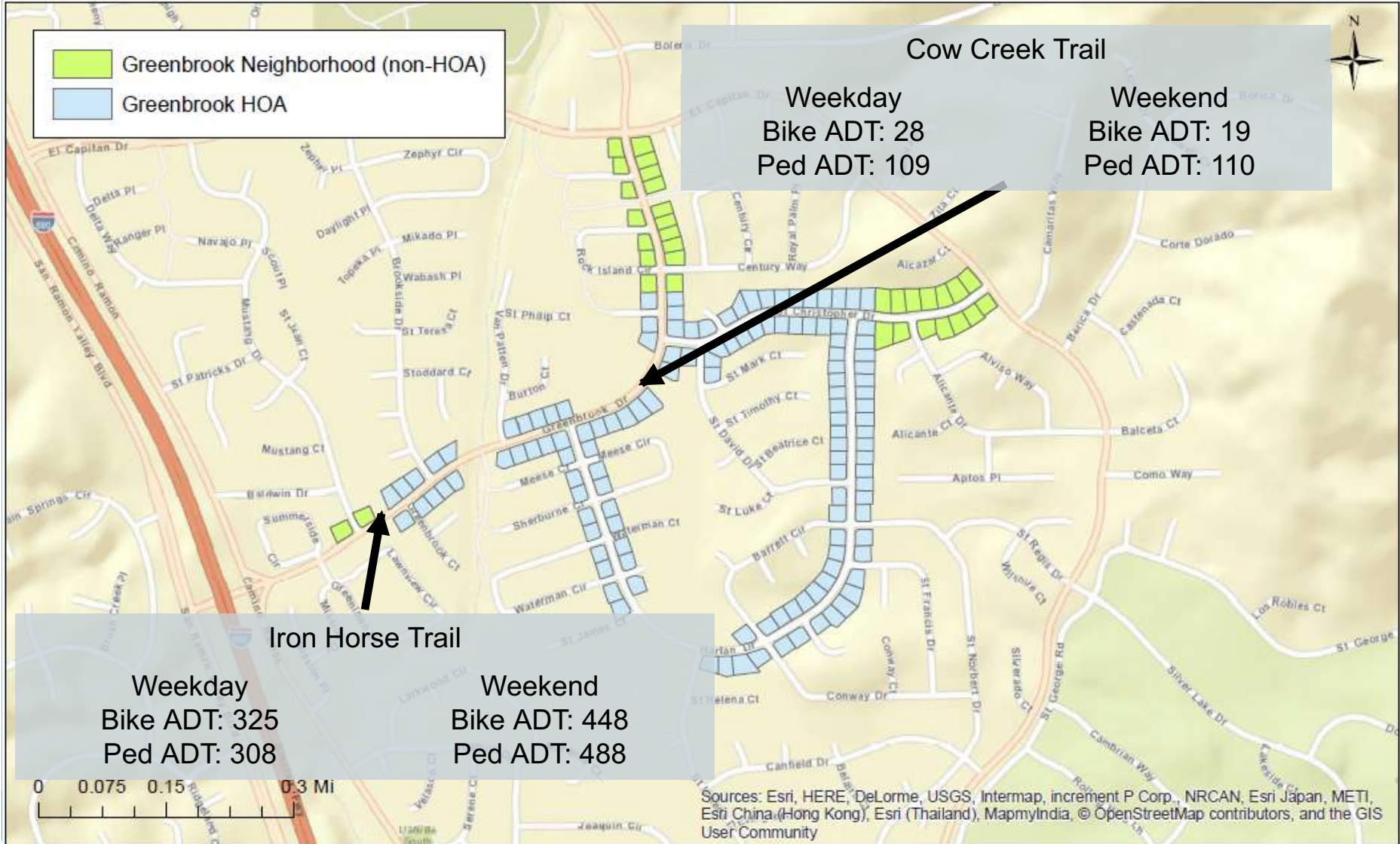
Greenbrook Drive South Traffic Survey

March 2017



Greenbrook Drive South Bike / Pedestrian Survey

February 2018



Neighborhood Comments

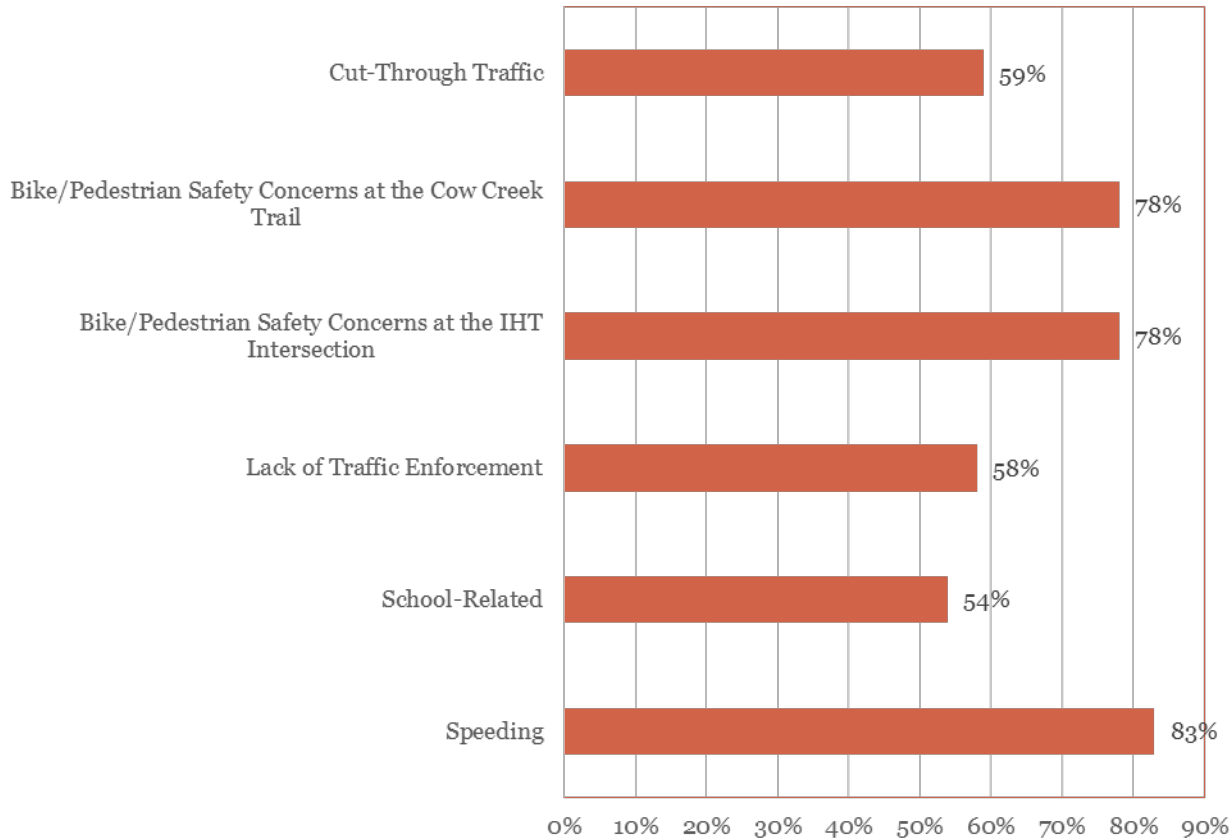
2/5/18 Meeting

	Greenbrook Dr.	Harlan Dr.	St. Christopher Dr.	St. David Dr.
Trim Vegetation in areas with Known Line of Sight Issues	X	X	X	X
Targeted Police Enforcement	X	X	X	X
RADAR Speed Trailer (Temporary, Rotational)	X Look into Purchase of 3rd	X	X	X
Install additional 25 MPH Signage	X + Relocate one Existing sign	X	X	X
Community Speed Watch Program Participation	X	X	X	X
Speed Humps / Lumps		X		X
Shoulder + Centerline OR Centerline Only		X	X	
Additional Crosswalk Advisory Signage at Iron Horse Trail Crossing	X			
Stop Signs			X Harlan Dr AND/OR Alicante Dr	
Raised Crosswalk / Flashing Beacons on Iron Horse Trail	X (CIP-607) Year 2019	Bulb out- @ st Christopher,		
Speed Tables	X			
Crosswalk AND /OR Yield Signage / Striping	X San Ramon & Cow Creek Crossings			
Pavement Legends	Pavement Legends (Sharrows, 25 MPH)			
Bulb-Outs		X		
Red Curb	X Cow Creek Bridge	9		

Neighborhood Survey March 2018

Greenbrook Drive, South of El Capitan Drive

Traffic Concerns on Greenbrook Drive



385 Parcels Surveyed
129 Responses
34% Response Rate

Greenbrook Drive Residents' Level of Interest in the Following:

Category	Traffic Management Measures:	Interested	Not Interested	Need Additional Information / No Answer
1.1	KKAD25 Sign(s)	74%	17%	9%
1.2	Radar Speed Display Signs*	74%	22%	4%
2.1	Additional Speed Limit Signs	70%	26%	4%
2.2	Additional Stop Signs	43%	43%	13%
2.3	Pavement Legends	52%	26%	22%
3.3	Speed Tables / Raised Crosswalks*	48%	22%	30%
2	IHT Safety Enhancements**	83%	4%	13%
2	Cow Creek Trail Safety Enhancements*	61%	13%	26%
1.4	Community Speed Watch Program	39%	39%	22%
1.3	Additional Police Enforcement	61%	35%	4%

	No Signature Requirement
	Expected to Meet Signature Requirements (Interest ≥ 70%)
	Potential to Meet Signature Requirements (Interest + No Answer ≥ 70%)
	Not Expected to Meet Signature Requirements (Interest + No Answer < 70%)

70 Parcels in Area
23 Responses
33% Response Rate

* Will Require 100% approval from parcels within immediate vicinity in addition to the 70%/50% Rule. Town Staff will work with residents to find a suitable location if this tool is opted for.

** Project in current Town Capital Improvement Program

Adjacent Street Residents' Level of Interest in the Following:

Category	Traffic Management Measures:	Interested	Not Interested	Need Additional Information / No Answer
1.1	KKAD25 Sign(s)	69%	19%	12%
1.2	Radar Speed Display Signs	74%	12%	14%
2.1	Additional Speed Limit Signs	66%	25%	9%
2.2	Additional Stop Signs	42%	42%	16%
2.3	Pavement Legends	59%	25%	15%
3.3	Speed Tables / Raised Crosswalks	58%	26%	16%
2	IHT Safety Enhancements*	71%	15%	14%
2	Cow Creek Trail Safety Enhancements	33%	14%	53%
1.4	Community Speed Watch Program	47%	33%	20%
1.3	Additional Police Enforcement	62%	26%	11%

	No Signature Requirement
	Expected to Meet Signature Requirements (Interest \geq 50%)
	Potential to Meet Signature Requirements (Interest + No Answer \geq 50%)
	Not Expected to Meet Signature Requirements (Interest + No Answer $<$ 50%)

315 Parcels in Area
106 Responses
34% Response Rate

*Project in current Town Capital Improvement Program

Potential Tools to Pursue in the Greenbrook Drive Petition:

Category	Recommended Measures:	Rationale:
1.1	KKAD25 Sign(s)	Expected to Meet Requirements
1.2	Radar Speed Display Signs*	Expected to Meet Requirements;
2	Additional Speed Limit Signs, 25 MPH Pavement Legends	Expected to Meet Requirements; Consistency along Greenbrook Drive
2	Bike Route Signage, Share the Road Signage, Sharrow Pavement Legends	Potential to Meet Requirements; Consistency along Greenbrook Drive

Category	Consider:	
2	Cow Creek Trail Safety Enhancements*	Potential to Meet Requirements
3.3	Speed Table / Raised Crosswalk*	Potential to Meet Requirements

Other Actions Outside the NTMP:

Actions Individuals Can Take:

- Volunteer for the Community Speed Watch through the Police Department
- Inform the Town of Overgrown Vegetation Causing Visibility/Safety Issues

Actions the Town Will Take:

- IHT Safety Enhancements Project
- Parking Restrictions Near the Cow Creek Trail to Enhance Visibility
- Additional Police Enforcement
- Continued Portable Radar Trailer Deployment (rotational basis)

* Will Require 100% approval from parcels within immediate vicinity in addition to the 70%/50% Rule. Town Staff will work with residents to find a suitable location if this tool is opted for.

Potential Measures to Pursue in the Greenbrook Drive Petition:

Recommended Measures:

KKAD25 Sign(s)

Radar Speed Display Signs (1 NB, 1 SB)*

Additional Speed Limit Signs, 25 MPH

Pavement Legends

Bike Route Signage, Share the Road

Signage, Sharrow Pavement Legends

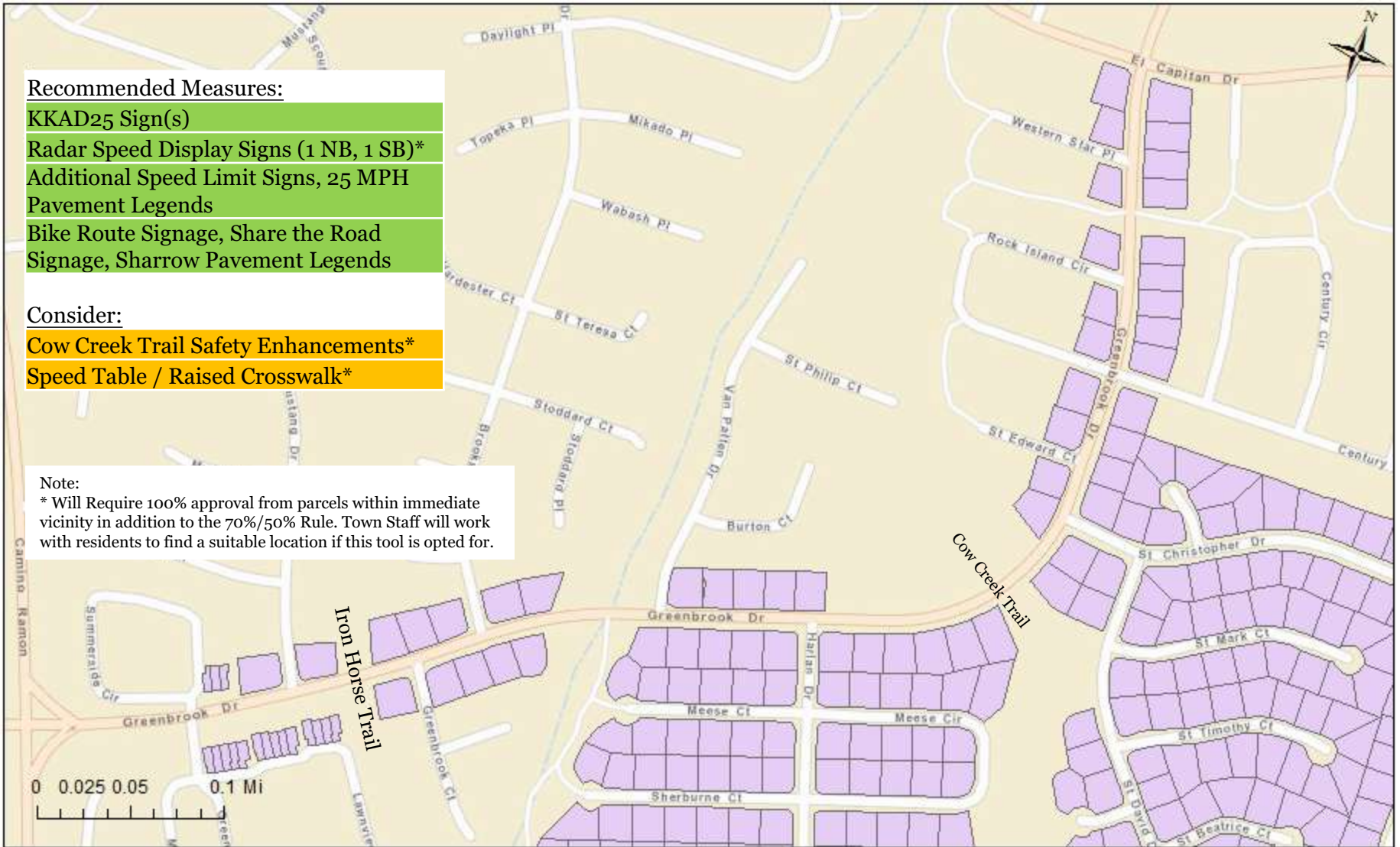
Consider:

Cow Creek Trail Safety Enhancements*

Speed Table / Raised Crosswalk*

Note:

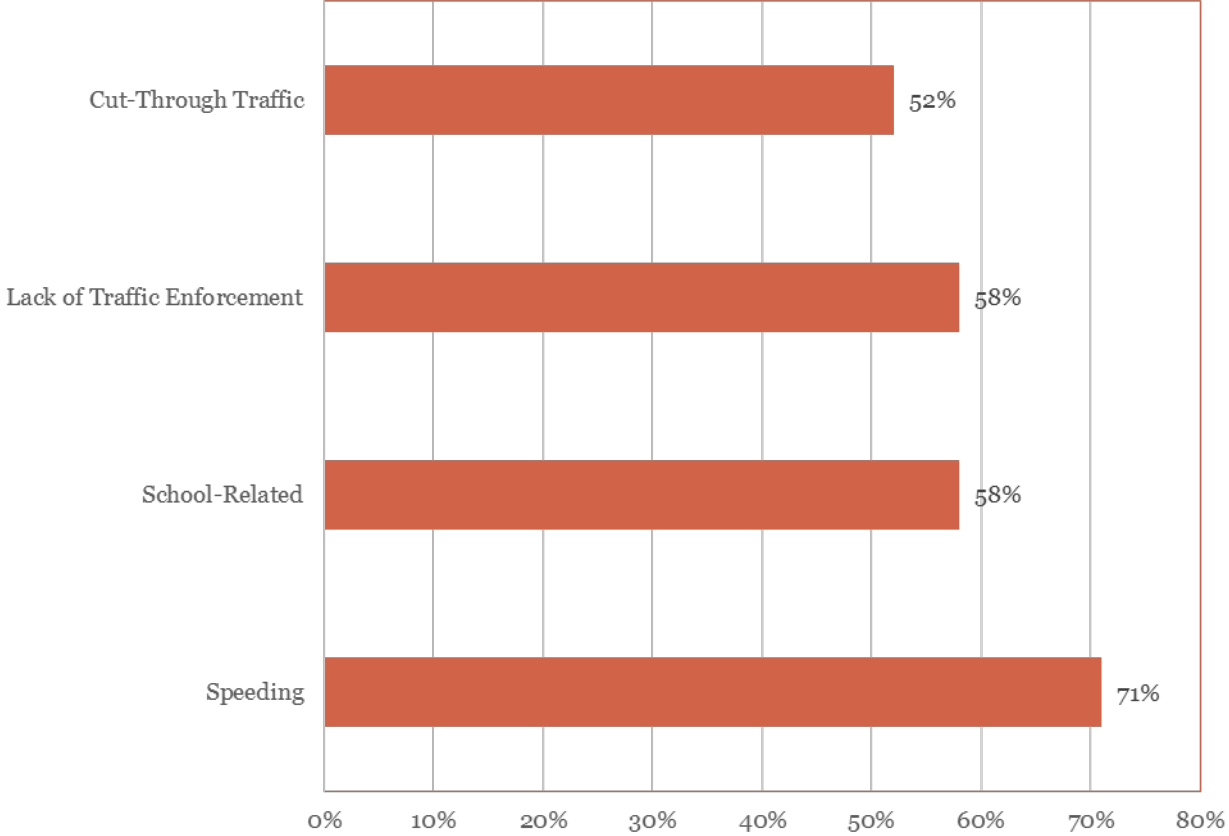
* Will Require 100% approval from parcels within immediate vicinity in addition to the 70%/50% Rule. Town Staff will work with residents to find a suitable location if this tool is opted for.



Neighborhood Survey March 2018

Harlan Drive

Traffic Concerns on Harlan Drive



385 Parcels Surveyed
129 Responses
34% Response Rate

Harlan Drive Residents' Level of Interest in the Following:

Category	Traffic Management Measures:	Interested	Not Interested	Need Additional Information / No Answer
1.1	KKAD25 Sign(s)	80%	10%	10%
1.2	Radar Speed Display Signs*	65%	20%	15%
2.1	Additional Speed Limit Signs	80%	10%	10%
2.2	Additional Stop Signs	50%	35%	15%
2.3	Street Centerlines	35%	35%	30%
2.3	Street Centerline + Parking Shoulder	45%	40%	15%
2.3	Bike Lanes	60%	25%	15%
2.3	Pavement Legends	60%	25%	15%
1.4	Community Speed Watch Program	55%	30%	15%
1.3	Additional Police Enforcement	70%	25%	5%
3.1	Speed Humps*	55%	25%	20%
3.5	Curb Extensions*	65%	15%	20%

	No Signature Requirement
	Expected to Meet Signature Requirements (Interest ≥ 70%)
	Potential to Meet Signature Requirements (Interest + No Answer ≥ 70%)
	Not Expected to Meet Signature Requirements (Interest + No Answer < 70%)

71 Parcels in Area
20 Reponses
28% Response Rate

* Will Require 100% approval from parcels within immediate vicinity in addition to the 70%/50% Rule. Town Staff will work with residents to find a suitable location if this tool is opted for.

Adjacent Street Residents' Level of Interest in the Following:

Category	Traffic Management Measures:	Interested	Not Interested	Need Additional Information / No Answer
1.1	KKAD25 Sign(s)	78%	15%	7%
1.2	Radar Speed Display Signs	65%	25%	10%
2.1	Additional Speed Limit Signs	68%	20%	12%
2.2	Additional Stop Signs	39%	45%	16%
2.3	Street Centerlines	44%	33%	23%
2.3	Street Centerline + Parking Shoulder	43%	39%	18%
2.3	Bike Lanes	50%	36%	15%
2.3	Pavement Legends	50%	43%	6%
1.4	Community Speed Watch Program	39%	40%	21%
1.3	Additional Police Enforcement	61%	30%	9%
3.1	Speed Humps	33%	40%	27%
3.5	Curb Extensions	50%	36%	15%

	No Signature Requirement
	Expected to Meet Signature Requirements (Interest \geq 50%)
	Potential to Meet Signature Requirements (Interest + No Answer \geq 50%)
	Not Expected to Meet Signature Requirements (Interest + No Answer $<$ 50%)

314 Parcels in Area
109 Responses
35% Response Rate

Potential Measures to Pursue in the Harlan Drive Petition:

Category	Recommended Measures:	Rationale:
1.1	KKAD25 Sign(s)	Expected to Meet Requirements
1.2	Radar Speed Display Signs*	Expected to Meet Requirements
2.1	Additional Speed Limit Signs	Expected to Meet Requirements
2.3	Pavement Legends	Potential to Meet Requirements

Category	Consider:	
2.3	Bike Lanes	Potential to Meet Requirements
2.3	Pavement Legends	Potential to Meet Requirements
3.1	Speed Humps*	Potential to Meet Requirements
3-5	Curb Extension*	Potential to Meet Requirements

Other Actions Outside the NTMP:

Actions Individuals Can Take:

- Volunteer for the Community Speed Watch through the Police Department
- Inform the Town of Overgrown Vegetation Causing Visibility/Safety Issues

Actions the Town Will Take:

- Additional Police Enforcement
- Continued Portable Radar Trailer Deployment (rotational basis)
- Discussion with SRVUSD about Crosswalk at St. James Ct

* Will Require 100% approval from parcels within immediate vicinity in addition to the 70%/50% Rule. Town Staff will work with residents to find a suitable location if this tool is opted for.

Potential Measures to Pursue in the Harlan Drive Petition:

Recommended Measures:

KKAD25 Sign(s)

Radar Speed Display Signs (1 NB, 1 SB)*

Additional Speed Limit Signs, 25 MPH

Pavement Legends

Bike Route Signage, Share the Road

Signage, Sharrow Pavement Legends

Consider:

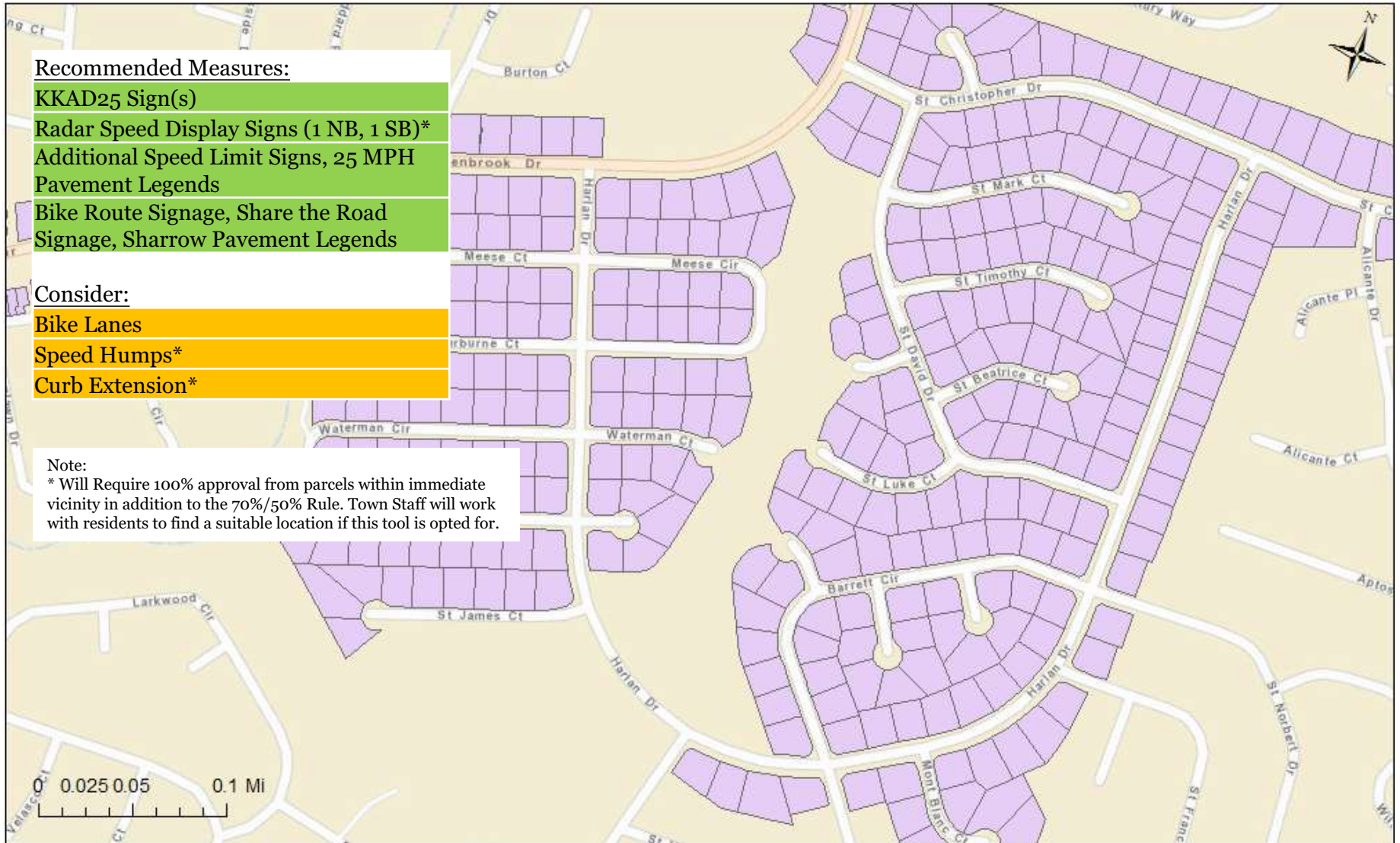
Bike Lanes

Speed Humps*

Curb Extension*

Note:

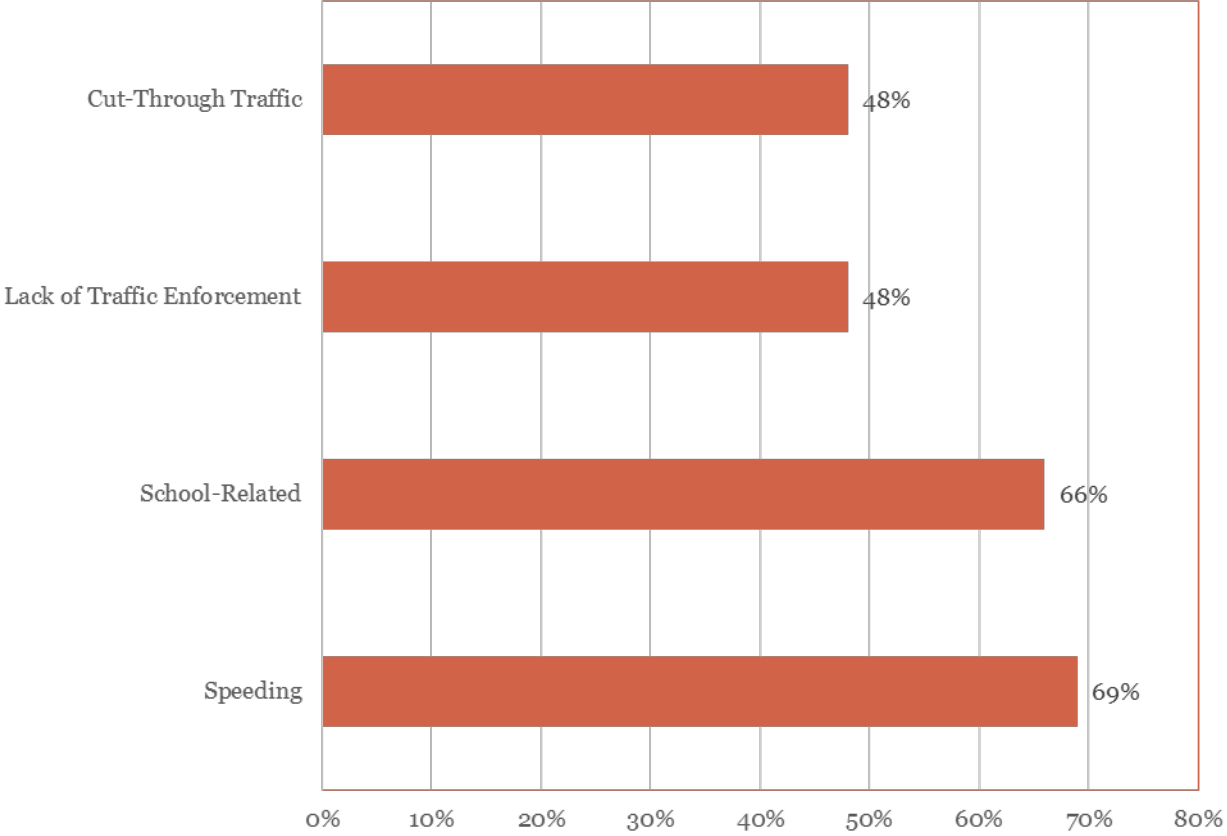
* Will Require 100% approval from parcels within immediate vicinity in addition to the 70%/50% Rule. Town Staff will work with residents to find a suitable location if this tool is opted for.



Neighborhood Survey March 2018

St. Christopher Drive

Traffic Concerns on St. Christopher Drive



385 Parcels Surveyed
129 Responses
34% Response Rate

St. Christopher Drive Residents' Level of Interest in the Following:

Category	Traffic Management Measures:	Interested	Not Interested	Need Additional Information / No Answer
1.1	KKAD25 Sign(s)	76%	18%	6%
1.2	Radar Speed Display Signs*	65%	35%	0%
2.1	Additional Speed Limit Signs	71%	24%	6%
2.2	Additional Stop Signs	53%	41%	6%
2.3	Street Centerlines	59%	35%	6%
2.3	Street Centerline + Parking Shoulder	41%	53%	6%
2.3	Bike Lanes	47%	53%	0%
2.3	Pavement Legends	59%	41%	0%
1.4	Community Speed Watch Program	53%	35%	12%
1.3	Additional Police Enforcement	76%	24%	0%
3.1	Speed Humps*	59%	35%	6%
3.5	Curb Extensions*	24%	47%	29%

	No Signature Requirement
	Expected to Meet Signature Requirements (Interest \geq 70%)
	Potential to Meet Signature Requirements (Interest + No Answer \geq 70%)
	Not Expected to Meet Signature Requirements (Interest + No Answer $<$ 70%)

42 Parcels in Area
17 Responses
40% Response Rate

Note:

* Will Require 100% approval from parcels within immediate vicinity in addition to the 70%/50% Rule. Town Staff will work with residents to find a suitable location if this tool is opted for.

Adjacent Street Residents' Level of Interest in the Following:

Category	Traffic Management Measures:	Interested	Not Interested	Need Additional Information / No Answer
1.1	KKAD25 Sign(s)	56%	37%	7%
1.2	Radar Speed Display Signs	59%	25%	16%
2.1	Additional Speed Limit Signs	55%	27%	18%
2.2	Additional Stop Signs	40%	38%	21%
2.3	Street Centerlines	41%	34%	25%
2.3	Street Centerline + Parking Shoulder	45%	37%	19%
2.3	Bike Lanes	46%	36%	19%
2.3	Pavement Legends	49%	29%	21%
1.4	Community Speed Watch Program	40%	33%	27%
1.3	Additional Police Enforcement	53%	30%	17%
3.1	Speed Humps	46%	38%	17%
3.5	Curb Extensions	31%	33%	36%

	No Signature Requirement
	Expected to Meet Signature Requirements (Interest \geq 50%)
	Potential to Meet Signature Requirements (Interest + No Answer \geq 50%)
	Not Expected to Meet Signature Requirements (Interest + No Answer $<$ 50%)

343 Parcels in Area
112 Responses
33% Response Rate

Potential Measures to Pursue in the St. Christopher Drive Petition:

<u>Category</u>	<u>Recommended Measures:</u>	<u>Rationale:</u>
1.1	KKAD25 Sign(s)	Expected to Meet Requirements
2.1	Additional Speed Limit Signs	Expected to Meet Requirements
<u>Consider:</u>		
1.2	Radar Speed Display Signs*	Potential to Meet Requirements

Other Actions Outside the NTMP:

Actions Individuals Can Take:

Volunteer for the Community Speed Watch through the Police Department

Inform the Town of Overgrown Vegetation Causing Visibility/Safety Issues

Actions the Town Will Take:

Additional Police Enforcement

Continued Portable Radar Trailer Deployment (rotational basis)

Note:

* Will Require 100% approval from parcels within immediate vicinity in addition to the 70%/50% Rule. Town Staff will work with residents to find a suitable location if this tool is opted for.

Potential Measures to Pursue in the St. Christopher Drive Petition:

Recommended Measures:

KKAD25 Sign(s)

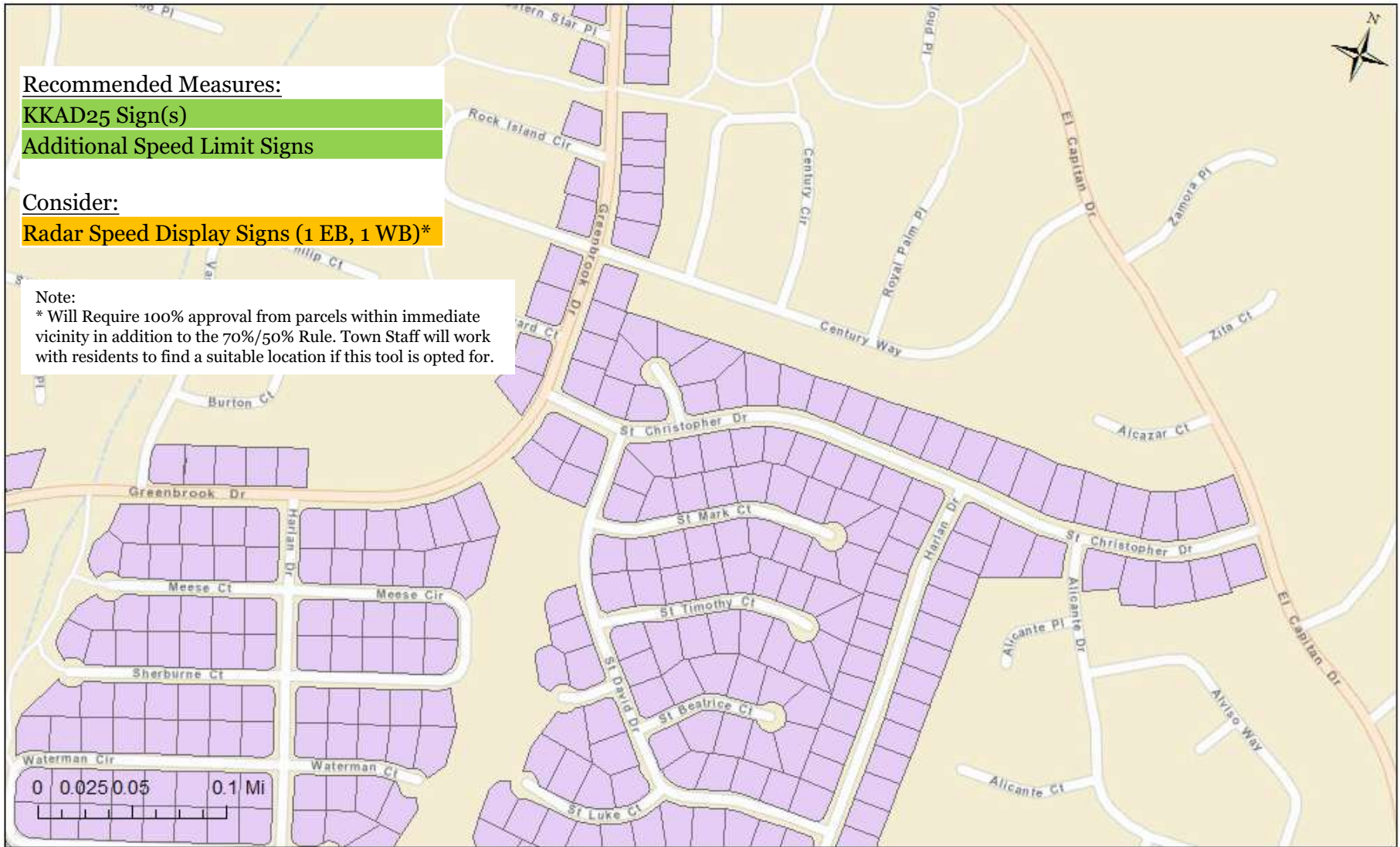
Additional Speed Limit Signs

Consider:

Radar Speed Display Signs (1 EB, 1 WB)*

Note:

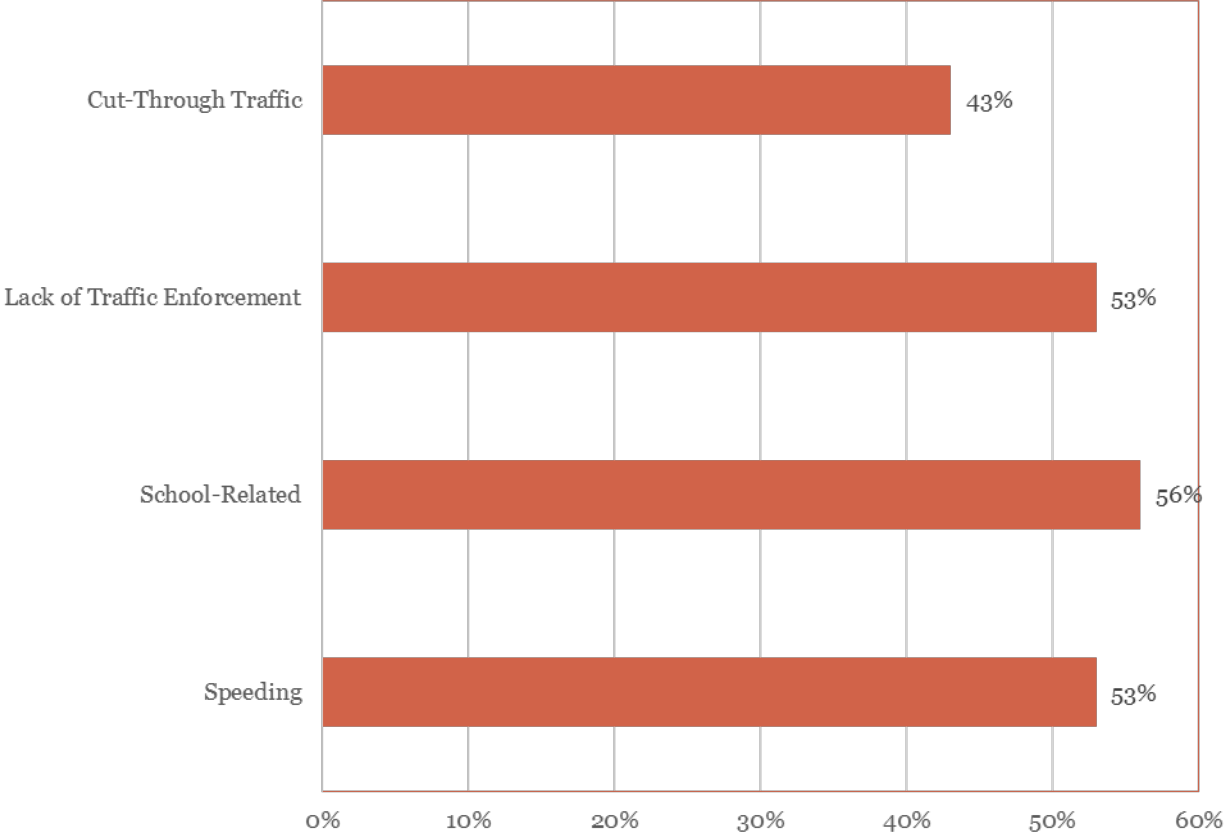
* Will Require 100% approval from parcels within immediate vicinity in addition to the 70%/50% Rule. Town Staff will work with residents to find a suitable location if this tool is opted for.



Neighborhood Survey March 2018

St. David Drive

Traffic Concerns on St David Drive



385 Parcels Surveyed
129 Responses
34% Response Rate

St. David Drive Residents’ Level of Interest in the Following:

Category	Traffic Management Measures	Interested	Not Interested	Need Additional Information / No Answer
1.1	KKAD25 Sign(s)	71%	14%	14%
1.2	Radar Speed Display Signs*	50%	29%	21%
2.1	Additional Speed Limit Signs	64%	29%	7%
2.2	Additional Stop Signs	43%	43%	14%
2.3	Street Centerlines	36%	43%	21%
2.3	Street Centerline + Parking Shoulder	43%	36%	21%
2.3	Bike Lanes	36%	43%	21%
2.3	Pavement Legends	29%	43%	29%
1.4	Community Speed Watch Program	57%	21%	21%
1.3	Additional Police Enforcement	43%	21%	36%
3.1	Speed Humps*	86%	14%	0%
3.5	Curb Extensions*	50%	14%	36%

	No Signature Requirement
	Expected to Meet Signature Requirements (Interest ≥ 70%)
	Potential to Meet Signature Requirements (Interest + No Answer ≥ 70%)
	Not Expected to Meet Signature Requirements (Interest + No Answer < 70%)

26 Parcels in Area
14 Responses
54% Response Rate

Note:
* Will Require 100% approval from parcels within immediate vicinity in addition to the 70%/50% Rule. Town Staff will work with residents to find a suitable location if this tool is opted for.

Adjacent Street Residents' Level of Interest in the Following:

Category	Traffic Management Measures	Interested	Not Interested	Need Additional Information / No Answer
1.1	KKAD25 Sign(s)	60%	29%	11%
1.2	Radar Speed Display Signs	42%	43%	15%
2.1	Additional Speed Limit Signs	46%	38%	16%
2.2	Additional Stop Signs	33%	50%	17%
2.3	Street Centerlines	30%	47%	23%
2.3	Street Centerline + Parking Shoulder	26%	50%	23%
2.3	Bike Lanes	38%	41%	21%
2.3	Pavement Legends	36%	41%	23%
1.4	Community Speed Watch Program	42%	41%	17%
1.3	Additional Police Enforcement	35%	43%	23%
3.1	Speed Humps	37%	44%	19%
3.5	Curb Extensions	27%	47%	26%

	No Signature Requirement
	Expected to Meet Signature Requirements (Interest \geq 50%)
	Potential to Meet Signature Requirements (Interest + No Answer \geq 50%)
	Not Expected to Meet Signature Requirements (Interest + No Answer $<$ 50%)

359 Parcels in Area
115 Responses
32% Response Rate

St. David Drive Petition:

Category	Recommended Measures:	Rationale:
1.1	KKAD25 Sign(s)	Expected to Meet Requirements
	<u>Consider:</u>	
1.2	Radar Speed Display Signs*	Potential to Meet Requirements
2.1	Additional Speed Limit Signs	Potential to Meet Requirements
3.1	Speed Humps*	Potential to Meet Requirements

Other Actions Outside the NTMP:

Actions Individuals Can Take:

Volunteer for the Community Speed Watch through the Police Department

Actions the Town Will Take:

Additional Police Enforcement

Continued Portable Radar Trailer Deployment (rotational basis)

Note:
 * Will Require 100% approval from parcels within immediate vicinity in addition to the 70%/50% Rule. Town Staff will work with residents to find a suitable location if this tool is opted for.

Potential Tools to Pursue in the St. David Drive Petition:

Recommended Tools:

KKAD25 Sign(s)

Consider:

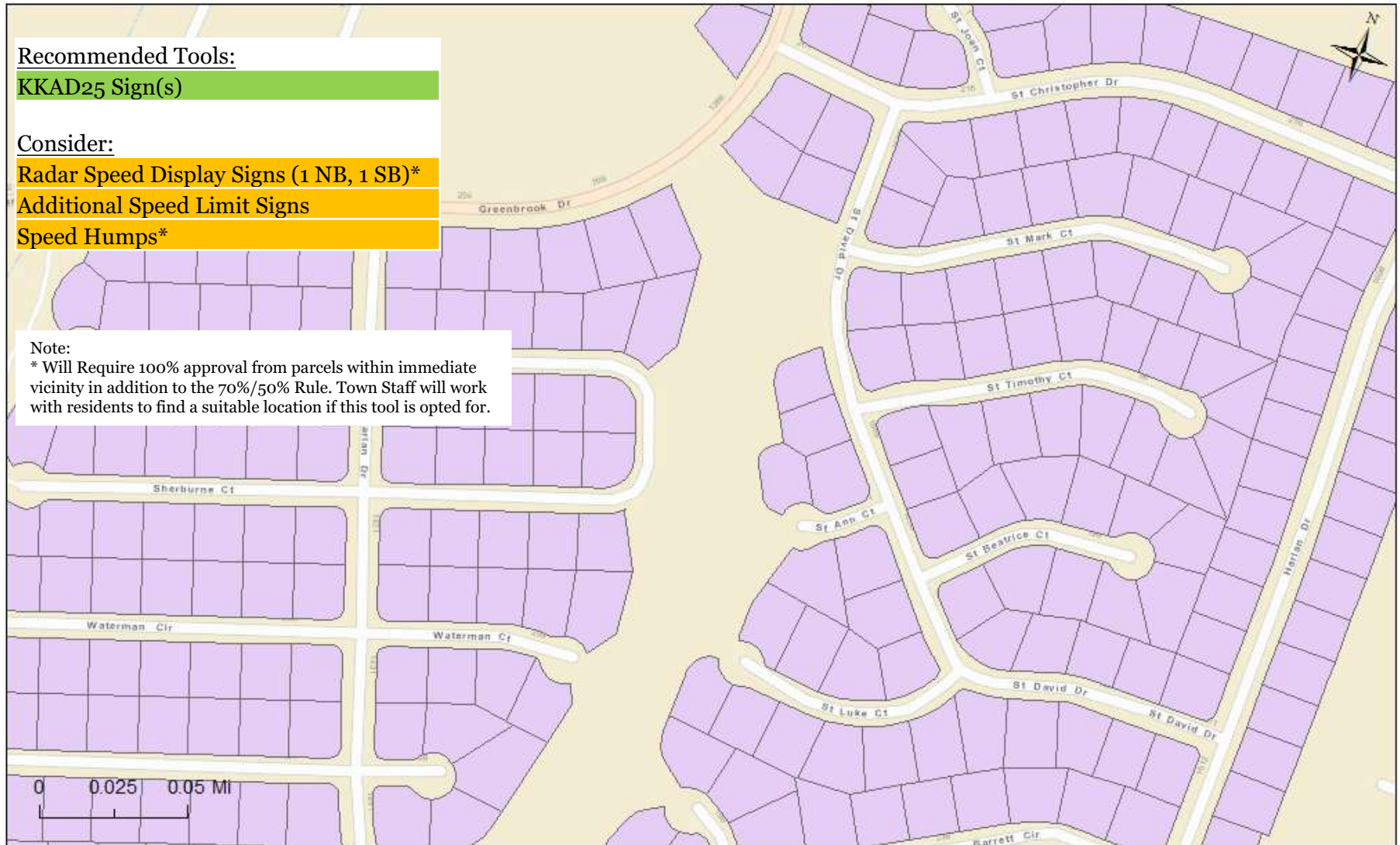
Radar Speed Display Signs (1 NB, 1 SB)*

Additional Speed Limit Signs

Speed Humps*

Note:

* Will Require 100% approval from parcels within immediate vicinity in addition to the 70%/50% Rule. Town Staff will work with residents to find a suitable location if this tool is opted for.



Next Steps

- Draft Traffic Calming Plans (Town Staff)
- Initiate Neighborhood Petition Process – 100%*/70%/50% consensus
- Town Council Approval
- Plan Implementation
- Post Implementation Monitoring

Note:

* Some devices require 100% approval from parcels within immediate vicinity in addition to the 70%/50% Rule. Town Staff will work with residents to find a suitable location if this tool is opted for.