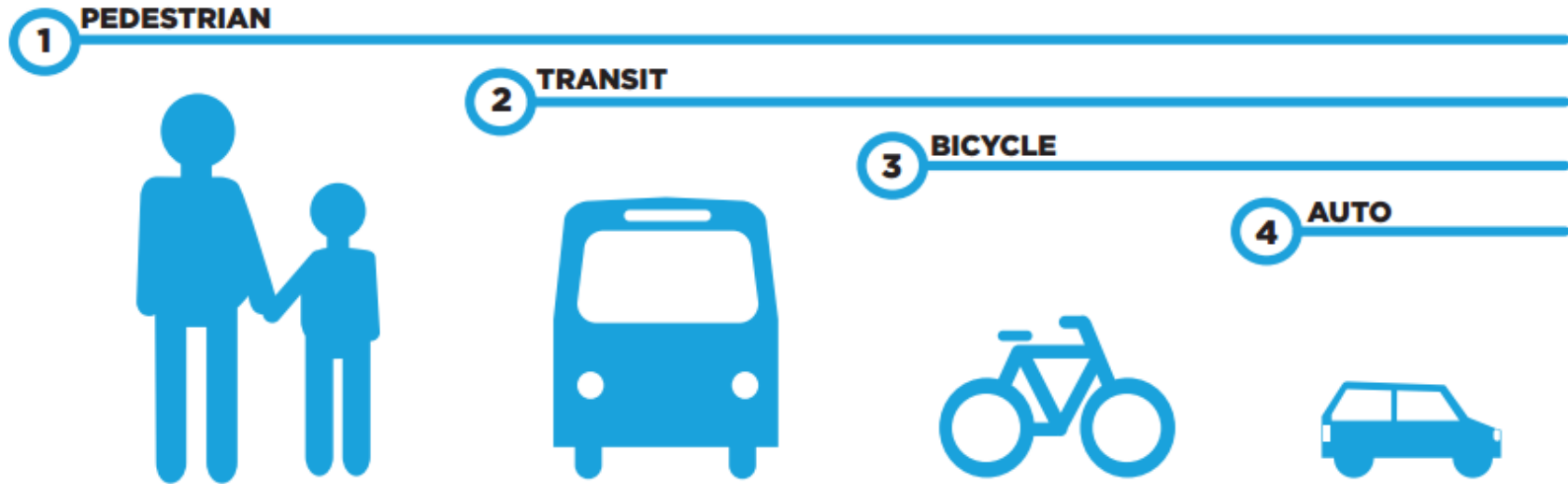




Olympus Condominium Association

**Complete Streets Update
April 15, 2014**

Complete Streets





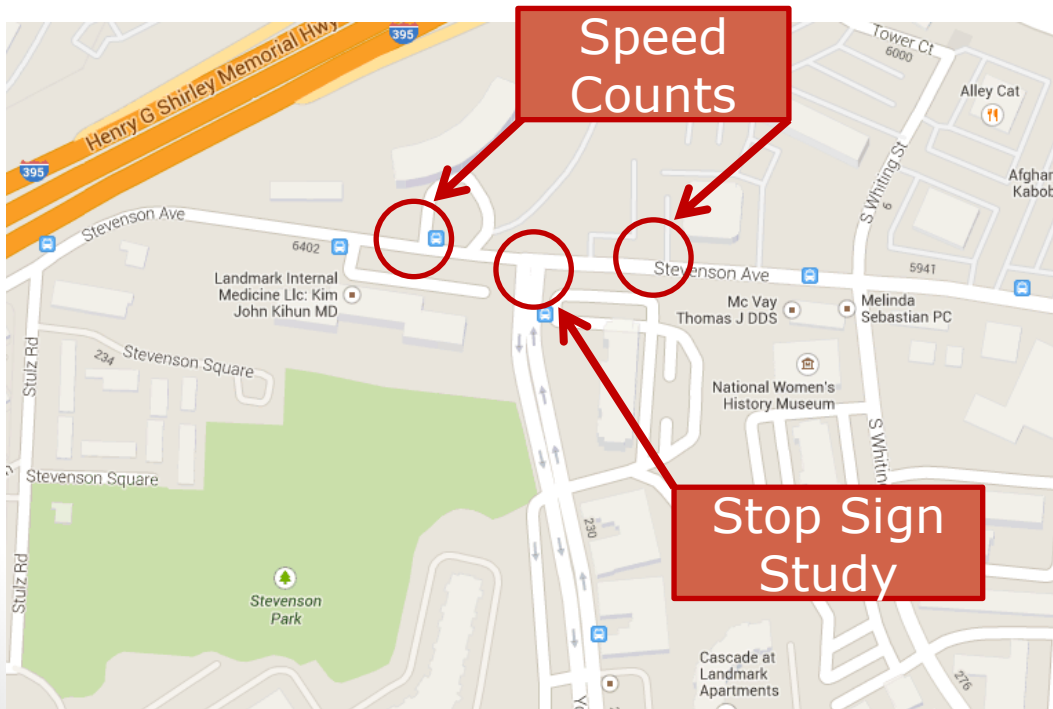
Stevenson Avenue Requests

- Reduce speeds
 - Change speed limit to 25mph for entire length
 - Investigate stop sign at Yoakum Parkway
- Improve Pedestrian Safety
 - Make crosswalks more visible – Fall 2013
 - Fix lighted crosswalk
 - Improve crossing at Yoakum Parking

Stevenson Avenue Speeds

Location on Stevenson Avenue	Eastbound	Westbound
Yoakum Parkway	33.6 mph	34.8 mph

- 85th percentile speeds = At least 15% of the motorists are driving this speed

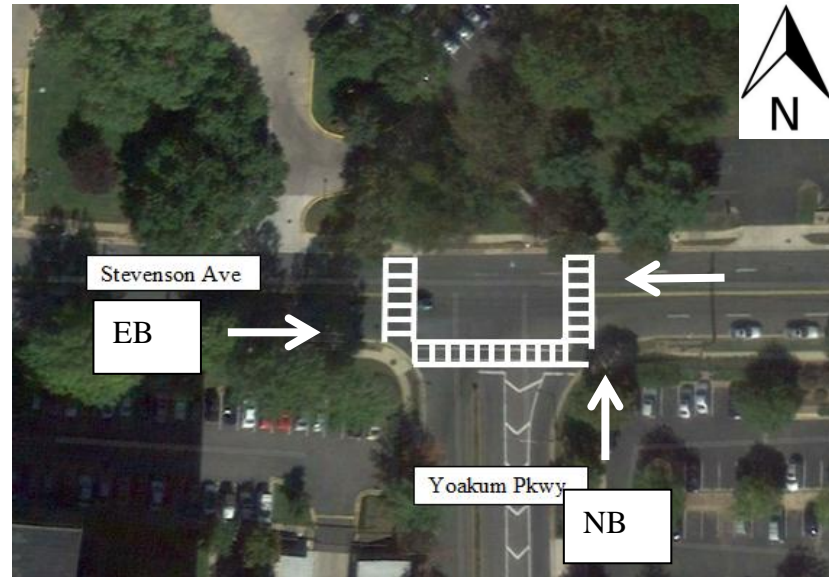


Stop sign warrant:

- Major approach = 300 vph for 8 hours
- Minor approach = 200 vph for 8 hours Stop sign warrant was not met
- Warrant not met

Stop Sign Request

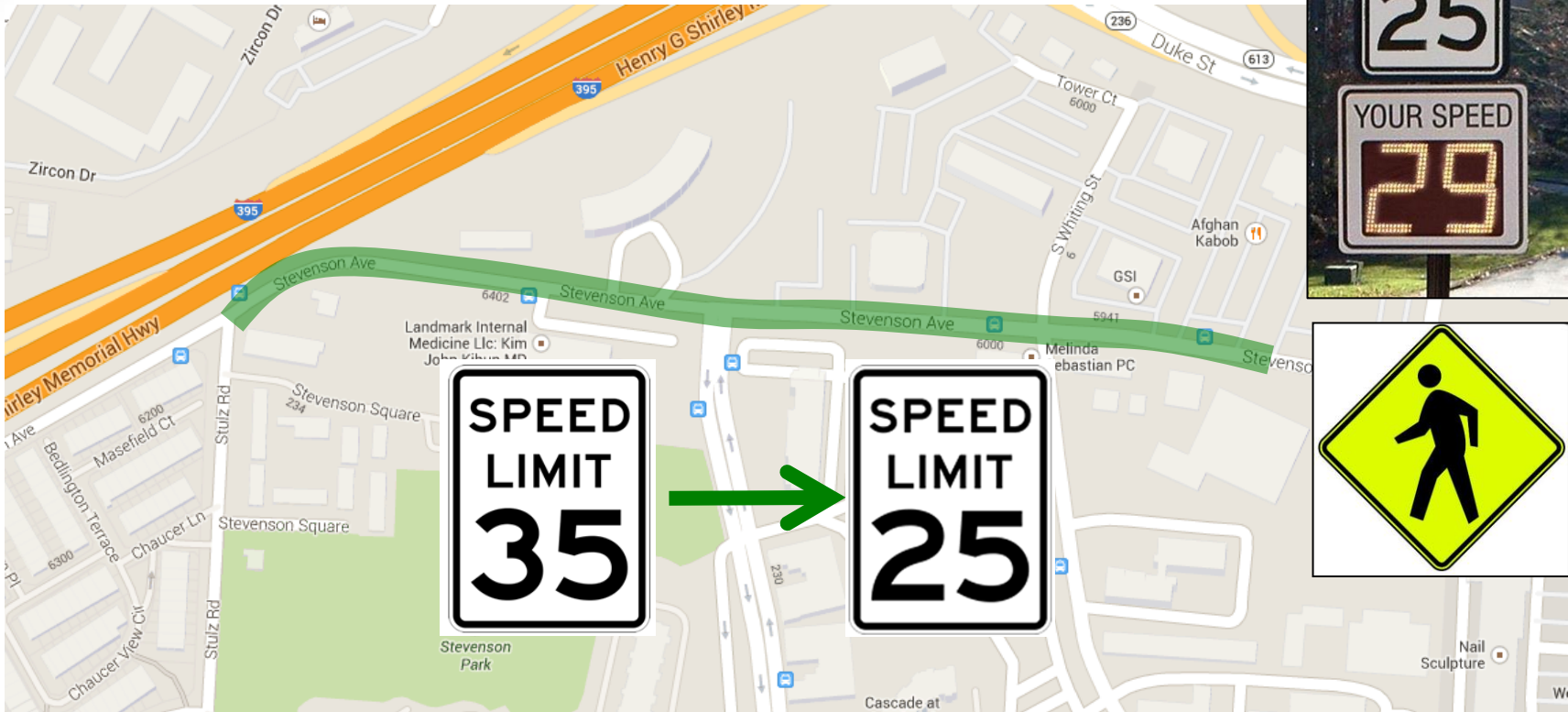
Time	EB	WB	NB
	Mon - Fri Average		Mon - Fri Average
Interval Start	EB	WB	
12:00 AM	35.3	36.8	28.8
1:00 AM	15.3	17.3	18.3
2:00 AM	4.0	10.3	10.0
3:00 AM	5.5	6.0	5.5
4:00 AM	4.0	4.3	9.3
5:00 AM	14.8	3.3	26.8
6:00 AM	65.3	9.8	67.5
7:00 AM	180.5	33.3	148.8
8:00 AM	351.0	54.5	273.8
9:00 AM	273.3	81.0	227.3
10:00 AM	230.0	77.5	172.8
11:00 AM	206.7	83.7	140.7
12:00 PM	167.5	95.5	135.0
1:00 PM	179.3	111.8	140.5
2:00 PM	152.8	128.3	142.8
3:00 PM	152.0	147.3	143.0
4:00 PM	178.8	158.0	143.8
5:00 PM	151.8	186.3	150.0
6:00 PM	154.0	204.3	170.8
7:00 PM	148.8	220.5	180.5
8:00 PM	131.0	181.8	133.3
9:00 PM	91.5	139.5	93.3
10:00 PM	73.8	109.8	83.8
11:00 PM	51.5	64.5	63.0
Totals	3017.9	2164.7	2708.7
	5182.6		
12:00 AM - 12:00 PM	58.2	41.8	
Volume	8:00 AM	11:00 AM	8:00 AM
12:00 PM - 12:00 AM	351.0	83.7	273.8
Volume	1:00 PM	7:00 PM	7:00 PM
	179.3	220.5	180.5



Stop sign warrant:

- Major approach = 300 vph for 8 hours
- Minor approach = 200 vph for 8 hours
- Did not meet warrant

Change Speed Limit



- Physical changes must accompany speed limit changes
- Road diet, speed board, pedestrian signage, striping
- Traffic and Parking Board – June 2014
- Recommendation to the City Manager

Stevenson Avenue At Yoakum Parkway Concept





Stevenson Avenue Road Diet Options

- Wide parking lane
 - Essentially, current configuration
 - Remove peak parking regulations
 - Minimal reduction to speed
- Center median
 - Remove peak parking regulations
 - More substantial reduction to speed
- Climbing lane
 - Remove peak parking regulations
 - Provides multi-modal access to Stevenson Park
 - More substantial reduction to speed

Stevenson Road Diet – Wide Parking Lane

Stevenson Avenue - Whiting to Stulz





Stevenson Road Diet – Painted Center Median

Stevenson Avenue - Whiting to Stulz

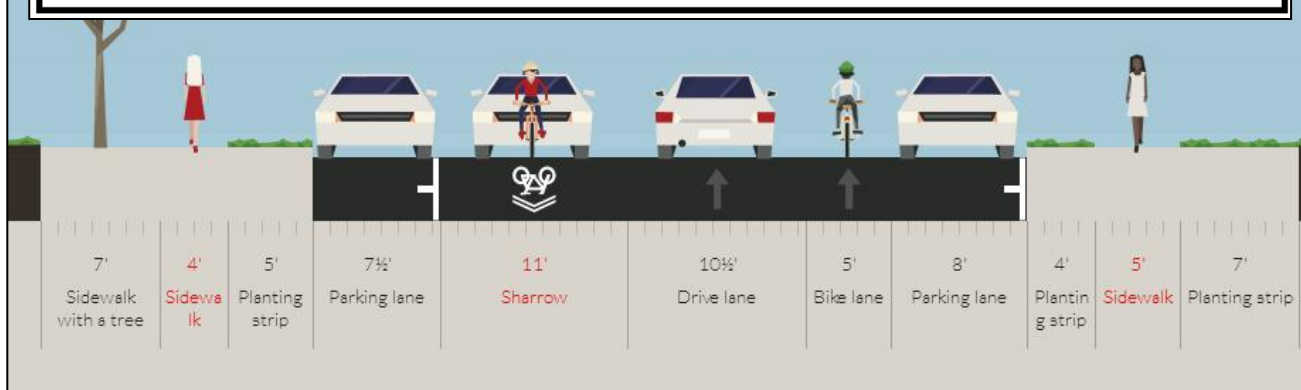


Stevenson Road Diet – Climbing Lane

Stevenson Avenue - Yoakum to Whiting



Stevenson Avenue - Yoakum to Stulz





Summary of Options

- Change speed limit to 25mph
 - Accompany with additional safety measures
 - Speed boards
 - Pedestrian signage
 - Upgraded crosswalks
- Intersection redesign at Yoakum Parkway to improve pedestrian safety
- Road diet along Stevenson Avenue to reduce speeds



Thank You

Questions????

Contact: Hillary.Poole@AlexandriaVA.gov