

UNIVERSITY PARK TRAFFIC CALMING IMPLEMENTATION PLAN

PRINCE GEORGE'S COUNTY, MARYLAND



TEAM INTRODUCTION

PROJECT CONCERNS AND GOALS

PROJECT CONCERNS

1. Increase in commuter traffic utilizing Town roads to avoid congestion on surrounding arterials
2. Increase in surrounding residential, office, and retail developments leading to additional peak hour trips on Town roads
3. Disobeying STOP signs
4. Vehicular speeding
5. Scooter traffic disobeying traffic laws
6. Heavy trucks/buses unable to circumvent roadway curves
7. Insufficient crosswalks to serve pedestrians and school children
8. Aggressive driving from commuters along Town roads

PROJECT GOALS

1. Improve traffic operations and reduce cut-through traffic through recommended mitigation measures
2. Reduce vehicular speeding
3. Improve walkability and bicycle mobility for school children, pedestrians, and bicyclists

PROJECT SCHEDULE

#	TASK	DATE COMPLETED
1	NTP & Kickoff Meeting	April 2025
2	Review of Previous Studies/Data	April / May 2025
3	Traffic Data Collection (TM, O-D)	April / May 2025
4	Existing Sign Inventory	April 2025
5	Traffic Data Collection (O-D, Speed counts)	May 2025
6	Compilation of O-D Data, Traffic Analyses, Speed Data Statistics	June 2025
7	1 st Council Meeting / Address Comments	July 2025
8	2 nd Council Meeting	August 2025
9	<i>Prepare Concept Plan Options</i>	<i>September 2025</i>
10	<i>Review Concept Plan Options with Council</i>	<i>September 2025</i>
11	<i>Draft / Final Technical Report</i>	<i>September / October 2025</i>
12	<i>Final Council Meeting</i>	<i>September / October 2025</i>

STUDY AREA & KEY INTERSECTIONS



STUDY AREA

To the North – City of College Park
 To the East – US 1
 To the West – Adelphi Road
 To the South – MD 410

30 key intersections (3 signalized)

1	Adelphi Rd at Calverton Dr	11	US 1 at Wells Pkwy (South)	19	Wells Pkwy at Chansory Ln	25	College Heights Dr at Woodberry St
2	Adelphi Rd at Van Buren St	12	US 1 at Wells Pkwy (North)	20	Wells Pkwy at Eversfield Dr	26	Claggett-Pineway at Pineway
3	40 th Ave at Underwood St	13	US 1 at Underwood St	21	40 th Ave at Calverton Dr	27	Queens Chapel Rd at Underwood St
4	Adelphi Rd at Beechwood Rd	14	US 1 at Van Buren St	22	40 th Ave at Van Buren St	28	Queens Chapel Rd at Tuckerman St
5	Adelphi Rd at Tennyson Rd	15	US 1 at Queens Chapel Rd	23	40 th Ave at College Heights Dr	29	Queens Chapel Rd at Sheridan St/40 th Ave
6	MD 410 at 43 rd Ave	16	US 1 at Beechwood Rd	24	College Heights Dr at Underwood St	30	Claggett Rd at Claggett Pine Way
7	MD 410 at 44 th Ave	17	US 1 at Pineway				
8	MD 410 at US 1	18	Wells Pkwy at Calverton Dr				
9	US 1 at Sheridan St						
10	US 1 at Tuckerman St						

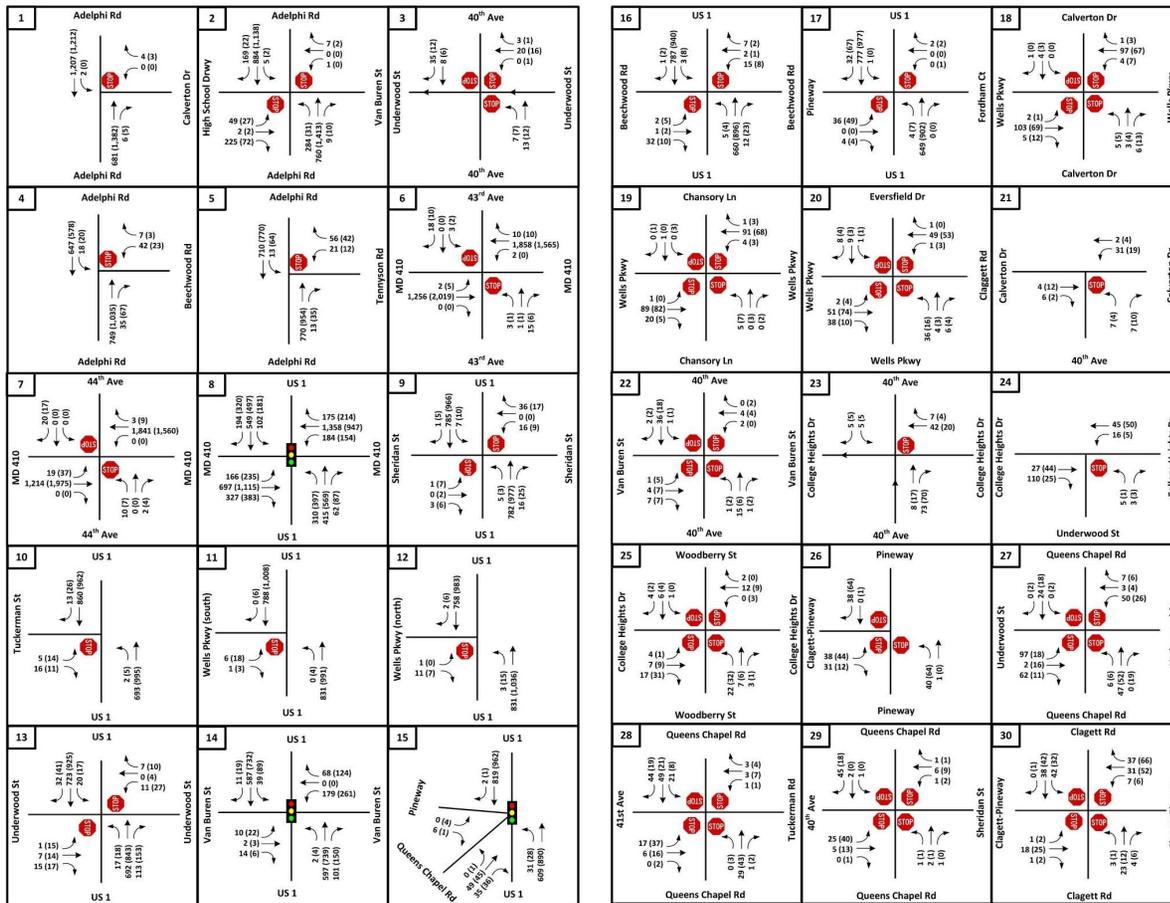
LEGEND

X Study Intersection

NOT TO SCALE

University Park Traffic Calming Implementation Plan, Town of University Park, MD
 Site Location Map & Study Intersections
 April 2025
FIGURE 1

KEY INTERSECTION COUNTS



RAW DATA VS. DATA ANALYZED

Morning Period: 6 – 10AM

After Period: 3 – 7PM

Traffic analyses are based on the highest volume-based peak hour for the morning and afternoon periods

Highest volume

=

Highest chance of congestion/delays

=

Worse case traffic scenario

SPEED TRAFFIC DATA

Site #	Road Name	Location	Posted Speed Limit	85 th Percentile Speed *	Average Speed	% of Vehicles Driving over the Posted Speed Limit	Highest Speed Recorded		
							AM Peak Hour (6-9AM) (Type of Vehicle) **	PM Peak Hour (4-7 PM) (Type of Vehicle) **	Off-Peak (Type of Vehicle) **
1	40 th Avenue	Btw Forest Hill Dr & Van Buren St	20 MPH	23 MPH	19 MPH	34.9%	31 MPH (Class 2)	28 MPH (Class 2)	34 MPH (Class 2)
2	40 th Avenue	Btw Underwood St & College Heights Dr	20 MPH	27 MPH	23 MPH	65.4%	41 MPH (Class 2)	38 MPH (Class 2)	51 MPH (Class 2)
3	College Heights Drive	Btw 41 st Ave & Forest Hill Dr	20 MPH	27 MPH	23 MPH	77.6%	39 MPH (Class 2)	38 MPH (Class 2)	47 MPH (Class 2)
4	Wells Parkway	Btw Calverton Dr & Chansory Ln	25 MPH	27 MPH	24 MPH	31.0%	40 MPH (Class 2)	37 MPH (Class 2)	45 MPH (Class 2)
5a – east side	Wells Parkway	Btw Van Buren St & College Heights Dr	25 MPH	24 MPH	20 MPH	7.4%	31 MPH (Class 2)	29 MPH (Class 2)	39 MPH (Class 2)
5b – west side	Wells Parkway	Btw Van Buren St & College Heights Dr	25 MPH	24 MPH	20 MPH	7.4%	38 MPH (Class 2)	30 MPH (Class 2)	32 MPH (Class 2)
6	College Heights Drive	Btw Van Buren St & Woodberry St	20 MPH	23 MPH	20 MPH	42.8%	31 MPH (Class 2)	33 MPH (Class 2)	33 MPH (Class 1)
7	Clagett Road	Btw Clagett-Pineway & Queens Chapel Rd	25 MPH	24 MPH	20 MPH	12.3%	37 MPH (Class 2)	41 MPH (Class 1)	36 MPH (Class 2)
8	Underwood Street	Btw Beechwood Rd & Queens Chapel Rd	25 MPH	23 MPH	17 MPH	5.1%	31 MPH (Class 2)	37 MPH (Class 2)	39 MPH (Class 2)
9	Van Buren Street	Btw Beechwood Rd & Queens Chapel Rd	20 MPH	27 MPH	23 MPH	23.8%	34 MPH (Class 2)	37 MPH (Class 2)	40 MPH (Class 2)
10	Queens Chapel Road	Btw Woodberry St & Van Buren St	20 MPH	22 MPH	18 MPH	29.2%	27 MPH (Class 2)	29 MPH (Class 2)	31 MPH (Class 2)
11	Queens Chapel Road	Btw Marked X-walk & Tuckerman Street	20 MPH	24 MPH	20 MPH	51.2 %	37 MPH (Class 2)	51 MPH (Class 2)	45 MPH (Class 2)
12	Tennyson Road	Btw Adelphi Rd & 40 th Ave	20 MPH	23 MPH	20 MPH	37.7%	36 MPH (Class 2)	31 MPH (Class 2)	43 MPH (Class 2)
13	Sheridan Street	Btw 43 rd Ave & 44 th Ave	20 MPH	22 MPH	17 MPH	27.1%	29 MPH (Class 2)	30 MPH (Class 2)	32 MPH (Class 2)
14	Tuckerman Street	Btw 43 rd Ave & 44 th Ave	20 MPH	23 MPH	19 MPH	37.2%	30 MPH (Class 2)	32 MPH (Class 2)	37 MPH (Class 2)
15	Underwood Street	Btw 40 th Ave & 41 st Ave	25 MPH	24 MPH	21 MPH	11.4%	34 MPH (Class 2)	34 MPH (Class 1)	39 MPH (Class 2)

* 85th Percentile Speed The speeds at or below which 85% of motorists are traveling under free-flow conditions. The remaining 15% of motorists drive above this speed. The 85th percentile speed is often used to determine the optimal posted speed limits - driving above this speed is typically deemed unsafe.

** Type of Vehicle Class 1 = motorcycles. Class 2 = passenger vehicles including small pickup trucks.

SPEED TRAFFIC DATA

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							AM Peak Hour (6-9AM) (Type of Vehicle) **	PM Peak Hour (4-7 PM) (Type of Vehicle) **	Off-Peak (Type of Vehicle) **
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6	College Heights Drive	Btw Van Buren St & Woodberry St	20 MPH	23 MPH	20 MPH	42.8%	31 MPH (Class 2)	33 MPH (Class 2)	33 MPH (Class 1)
7	Clagett Road	Btw Clagett-Pineway & Queens Chapel Rd	25 MPH	24 MPH	20 MPH	12.3%	37 MPH (Class 2)	41 MPH (Class 1)	36 MPH (Class 2)
8	Underwood Street	Btw Beechwood Rd & Queens Chapel Rd	25 MPH	23 MPH	17 MPH	5.1%	31 MPH (Class 2)	37 MPH (Class 2)	39 MPH (Class 2)
9	Van Buren Street	Btw Beechwood Rd & Queens Chapel Rd	20 MPH	27 MPH	23 MPH	23.8%	34 MPH (Class 2)	37 MPH (Class 2)	40 MPH (Class 2)
10	Queens Chapel Road	Btw Woodberry St & Van Buren St	20 MPH	22 MPH	18 MPH	29.2%	27 MPH (Class 2)	29 MPH (Class 2)	31 MPH (Class 2)
11	Queens Chapel Road	Btw Marked X-walk & Tuckerman Street	20 MPH	24 MPH	20 MPH	51.2%	37 MPH (Class 2)	51 MPH (Class 2)	45 MPH (Class 2)
12	Tennyson Road	Btw Adelphi Rd & 40 th Ave	20 MPH	23 MPH	20 MPH	37.7%	36 MPH (Class 2)	31 MPH (Class 2)	43 MPH (Class 2)
13	Sheridan Street	Btw 43 rd Ave & 44 th Ave	20 MPH	22 MPH	17 MPH	27.1%	29 MPH (Class 2)	30 MPH (Class 2)	32 MPH (Class 2)
14	Tuckerman Street	Btw 43 rd Ave & 44 th Ave	20 MPH	23 MPH	19 MPH	37.2%	30 MPH (Class 2)	32 MPH (Class 2)	37 MPH (Class 2)
15	Underwood Street	Btw 40 th Ave & 41 st Ave	25 MPH	24 MPH	21 MPH	11.4%	34 MPH (Class 2)	34 MPH (Class 1)	39 MPH (Class 2)

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ORIGIN-DESTINATION SURVEYS

Cut-Through Route	From	To	Via	6-7AM	7-8AM	8-9AM	9-10AM	AM Total	3-4PM	4-5PM	5-6PM	6-7PM	PM Total	Total Cut-Through
1	US 1 at Wells Pkwy (south) (Int 11)	Tennyson Rd at Adelphi Rd (Int 5)	-	-	-	-	-	0	-	-	1	-	1	1
2	Tennyson Rd at Adelphi Rd (Int 5)	US 1 at Wells Pkwy (south) (Int 11)	-	-	-	1	-	1	2	-	2	1	5	6
3	US 1 at Sheridan St (Int 9)	Tennyson Rd at Adelphi Rd (Int 5)	-	-	-	1	1	2	2	1	1	2	6	8
4	Tennyson Rd at Adelphi Rd (Int 5)	US 1 at Sheridan St (Int 9)	-	-	-	-	-	0	1	1	2	-	4	4
5	44th Ave at MD 410 (Int 7)	Tennyson Rd at Adelphi Rd (Int 5)	Queens Chapel Rd at Tuckerman St (Int 28)	-	-	-	-	0	-	-	1	-	1	1
6	Tennyson Rd at Adelphi Rd (Int 5)	44th Ave at MD 410 (Int 7)	Queens Chapel Rd at Tuckerman St (Int 28)	-	-	-	-	0	-	-	-	-	0	0
7	44th Ave at MD 410 (Int 7)	Tennyson Rd at Adelphi Rd (Int 5)	Queens Chapel Rd at Sheridan St/40th Ave (Int 29)	-	2	1	-	3	-	-	1	2	3	6
8	Tennyson Rd at Adelphi Rd (Int 5)	44th Ave at MD 410 (Int 7)	Queens Chapel Rd at Sheridan St/40th Ave (Int 29)	-	-	-	-	0	-	1	1	-	2	2
9	43rd Ave at MD 410 (Int 6)	Tennyson Rd at Adelphi Rd (Int 5)	Queens Chapel Rd at Tuckerman St (Int 28)	1	-	1	-	2	1	1	1	-	3	5
10	Tennyson Rd at Adelphi Rd (Int 5)	43rd Ave at MD 410 (Int 6)	Queens Chapel Rd at Tuckerman St (Int 28)	-	-	-	-	0	-	-	-	-	0	0
11	43rd Ave at MD 410 (Int 6)	Tennyson Rd at Adelphi Rd (Int 5)	Queens Chapel Rd at Sheridan St/40th Ave (Int 29)	1	1	5	-	7	2	2	3	2	9	16
12	Tennyson Rd at Adelphi Rd (Int 5)	43rd Ave at MD 410 (Int 6)	Queens Chapel Rd at Sheridan St/40th Ave (Int 29)	-	-	1	-	1	-	2	-	2	4	5
13	Calverton Dr at Adelphi Rd (Int 1)	Beechwood Rd at Adelphi Rd (Int 4)	-	-	-	2	-	2	-	-	-	-	0	2
14	Beechwood Rd at Adelphi Rd (Int 4)	Calverton Dr at Adelphi Rd (Int 1)	-	1	-	3	-	4	1	-	-	-	1	5
15	Van Buren St at Adelphi Rd (Int 2)	Beechwood Rd at Adelphi Rd (Int 4)	-	-	-	-	1	1	-	-	1	-	1	2
16	Beechwood Rd at Adelphi Rd (Int 4)	Van Buren St at Adelphi Rd (Int 2)	-	-	-	-	-	0	-	-	-	-	0	0
17	Wells Pkwy at Calverton Dr (Int 18)	Pineway at US 1 (Int 17)	-	-	11	7	5	23	4	8	12	12	36	59
18	Pineway at US 1 (Int 17)	Wells Pkwy at Calverton Dr (Int 18)	-	2	8	10	7	27	14	22	18	15	69	96
19	Beechwood Rd at Adelphi Rd (Int 4)	Pineway at US 1 (Int 17)	-	2	2	5	6	15	13	14	16	13	56	71
20	Pineway at US 1 (Int 17)	Beechwood Rd at Adelphi Rd (Int 4)	-	-	5	2	1	8	10	4	5	4	23	31
21	Wells Pkwy at Calverton Dr (Int 18)	Queens Chapel Rd at US 1 (Int 15)	Clagett Rd at Clagett Pineway (Int 30)	-	11	10	7	28	12	15	19	11	57	85
22	Queens Chapel Rd at US 1 (Int 15)	Wells Pkwy at Calverton Dr (Int 18)	Clagett Rd at Clagett Pineway (Int 30)	-	-	-	-	0	-	-	-	-	0	0
23	Wells Pkwy at Calverton Dr (Int 18)	Queens Chapel Rd at US 1 (Int 15)	Clagett Pineway at Pineway (Int 26)	1	2	2	1	6	1	-	2	-	3	9
24	Queens Chapel Rd at US 1 (Int 15)	Wells Pkwy at Calverton Dr (Int 18)	Clagett Pineway at Pineway (Int 26)	3	4	8	5	20	19	8	21	14	62	82
25	Wells Pkwy at Calverton Dr (Int 18)	Beechwood Rd at US 1 (Int 16)	Clagett Pineway at Pineway (Int 26)	-	8	9	2	19	3	1	5	2	11	30
26	Beechwood Rd at US 1 (Int 16)	Wells Pkwy at Calverton Dr (Int 18)	Clagett Pineway at Pineway (Int 26)	-	2	4	1	7	4	1	2	5	12	19
27	Queens Chapel Rd at US 1 (Int 15)	Tennyson Rd at Adelphi Rd (Int 5)	-	-	-	-	-	0	-	-	-	-	0	0
28	Tennyson Rd at Adelphi Rd (Int 5)	Queens Chapel Rd at US 1 (Int 15)	-	-	-	-	1	1	1	5	10	3	19	20
29	Van Buren St at US 1 (Int 14)	Tennyson Rd at Adelphi Rd (Int 5)	-	-	-	-	-	0	-	1	3	-	4	4
30	Tennyson Rd at Adelphi Rd (Int 5)	Van Buren St at US 1 (Int 14)	-	-	1	-	-	1	1	2	6	1	10	11
31	Underwood St at US 1 (Int 13)	Tennyson Rd at Adelphi Rd (Int 5)	-	1	2	4	1	8	1	5	1	3	10	18
32	Tennyson Rd at Adelphi Rd (Int 5)	Underwood St at US 1 (Int 13)	-	1	-	1	-	2	3	8	5	3	19	21
33	Tuckerman St at US 1 (Int 10)	Tennyson Rd at Adelphi Rd (Int 5)	-	-	1	1	-	2	2	4	2	1	9	11
34	Tennyson Rd at Adelphi Rd (Int 5)	Tuckerman St at US 1 (Int 10)	-	-	-	1	1	2	4	2	4	6	16	18
35	Wells Pkwy at US 1 (Int 11)	44th Ave at MD 410 (Int 7)	-	-	-	-	-	0	-	2	-	-	2	2
36	44th Ave at MD 410 (Int 7)	Wells Pkwy at US 1 (Int 11)	-	-	2	1	-	3	9	7	13	4	33	36
37	Pineway at US 1 (Int 17)	Underwood St at 40th Ave (Int 3)	-	-	1	4	1	6	6	5	6	7	24	30
38	Beechwood Rd at US 1 (Int 16)	Underwood St at 40th Ave (Int 3)	-	-	-	-	-	0	-	-	-	-	0	0
39	Queens Chapel Rd at US 1 (Int 15)	Underwood St at 40th Ave (Int 3)	-	-	-	2	-	2	2	1	1	2	6	2
40	Van Buren St at US 1 (Int 14)	Underwood St at 40th Ave (Int 3)	-	-	-	-	-	0	-	-	-	-	0	0
41	Underwood St at US 1 (Int 13)	Underwood St at 40th Ave (Int 3)	-	-	-	-	-	0	-	-	-	-	0	0
42	Pineway at US 1 (Int 17)	Van Buren St at Adelphi Rd (Int 2)	-	-	-	-	-	0	1	-	-	-	1	1
43	Beechwood Rd at US 1 (Int 16)	Van Buren St at Adelphi Rd (Int 2)	-	-	-	-	-	0	-	-	-	-	0	0
44	Queens Chapel Rd at US 1 (Int 15)	Van Buren St at Adelphi Rd (Int 2)	-	-	-	-	-	0	-	-	-	-	0	0
45	Van Buren St at US 1 (Int 14)	Van Buren St at Adelphi Rd (Int 2)	-	-	-	-	-	0	-	-	-	-	0	0
46	Underwood St at US 1 (Int 13)	Van Buren St at Adelphi Rd (Int 2)	-	-	-	-	-	0	-	-	-	-	0	0
47	Van Buren St at Adelphi Rd (Int 2)	Pineway at US 1 (Int 17)	-	-	-	-	-	0	-	-	-	1	1	1
48	Van Buren St at Adelphi Rd (Int 2)	Beechwood Rd at US 1 (Int 16)	-	-	-	-	-	0	-	-	-	-	0	0
49	Van Buren St at Adelphi Rd (Int 2)	Queens Chapel Rd at US 1 (Int 15)	-	-	-	-	-	0	-	-	-	-	0	0
50	Van Buren St at Adelphi Rd (Int 2)	Van Buren St at US 1 (Int 14)	-	-	-	-	-	0	-	-	-	-	0	0
51	Van Buren St at Adelphi Rd (Int 2)	Underwood St at US 1 (Int 13)	-	-	-	-	-	0	1	1	1	-	3	3
52	Sheridan St at US 1 (Int 9)	44th Ave at MD 410 (Int 7)	-	1	-	3	1	5	-	3	6	4	13	18
53	44th Ave at MD 410 (Int 7)	Sheridan St at US 1 (Int 9)	-	-	1	2	-	3	1	8	9	5	23	26

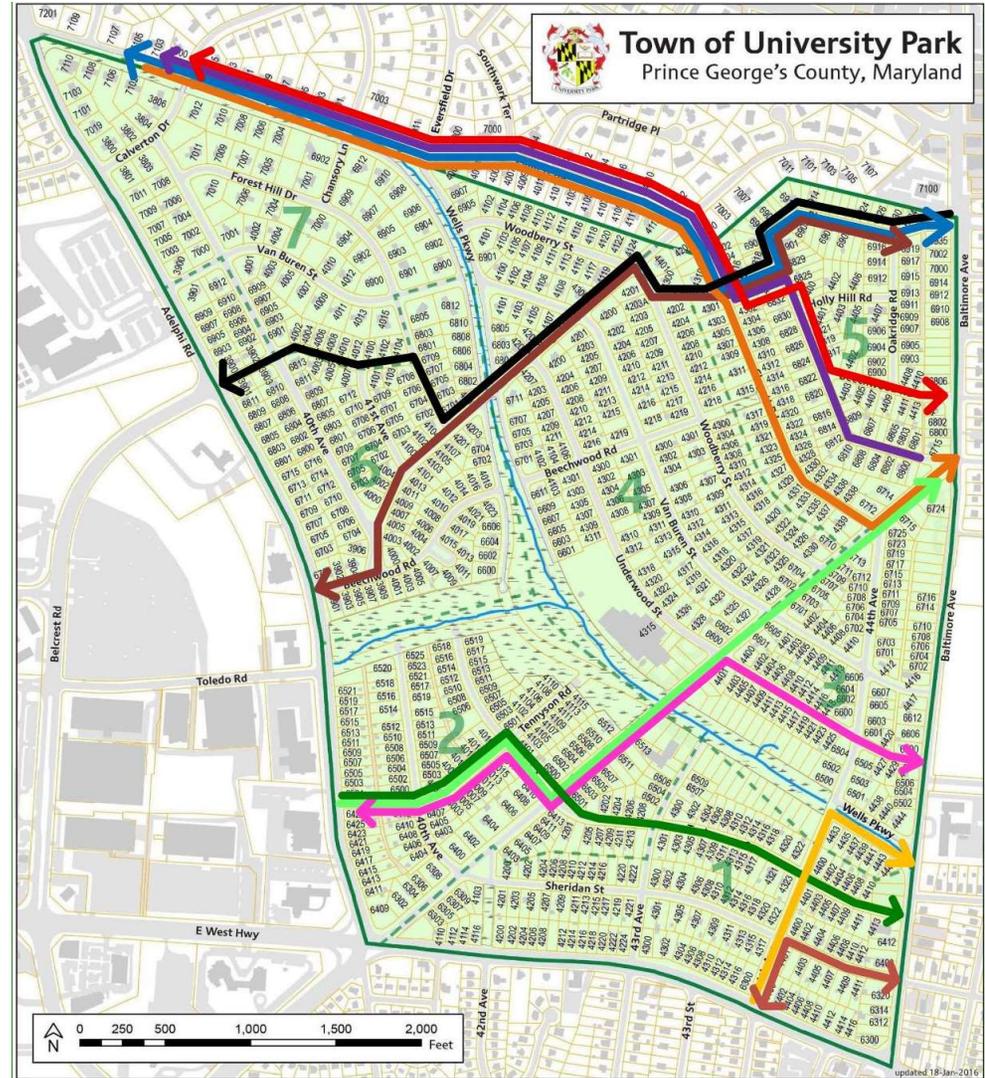


ORIGIN-DESTINATION SURVEYS

HIGHEST CUT-THROUGH ROUTES

- Routes 17 / 18**
Wells Pkwy – Pineway (59 vehicles)
Pineway – Wells Pkwy (96 vehicles)
- Routes 19/20**
Beechwood Rd – Pineway (71 vehicles)
Pineway – Beechwood Rd (31 vehicles)
- Route 21**
Wells Pkwy – Queens Chapel Rd (85 vehicles)
- Route 24**
Queens Chapel Rd – Wells Pkwy (82 vehicles)
- Routes 25 / 26**
Wells Pkwy – Beechwood Rd (30 vehicles)
Beechwood Rd – Wells Pkwy (19 vehicles)
- Route 24**
Tennyson Rd – Queens Chapel Rd (20 vehicles)

- Routes 31 / 32**
Underwood St – Tennyson Rd (18 vehicles)
Tennyson Rd – Underwood St (21 vehicles)
- Route 34**
Tennyson Rd – Tuckerman St (18 vehicles)
- Route 36**
44th Avenue – Wells Pkwy (36 vehicles)
- Route 37**
Pineway – Underwood St (30 vehicles)
- Routes 52 / 53**
Sheridan St – 44th Ave (18 vehicles)
44th Ave – Sheridan St (26 vehicles)



REVIEW COMMENTS / RESPONSES HANDOUT

SAFETY / TRAFFIC CALMING TOOLBOX

PHYSICAL TRAFFIC CALMING MEASURES

- One-way streets
- Turn Prohibitions
- Speed humps
- Traffic circles
- Semi-diverters
- Chokers
- Chicanes



SIGNING & MARKING IMPROVEMENTS

- Enhance faded markings
- Retro-reflective signage
- Access control (local traffic only)

Short-Term = 0-2 years
Long-Term = 5+ years

SPEED MANAGEMENT

- Speed Trailer
- Police enforcement



PEDESTRIAN/BICYCLE UPGRADES

- High visibility ladder style crosswalks
- Signage



NEXT STEPS

1. Address any additional comments from the August Council meeting.
2. Develop the concept plan options taking the major cut-through routes and speeding concerns into consideration.
3. Prepare the draft technical report and present the findings to the Council.
4. Address any comments from the draft technical report and concept plan options.
5. Finalize the technical report.