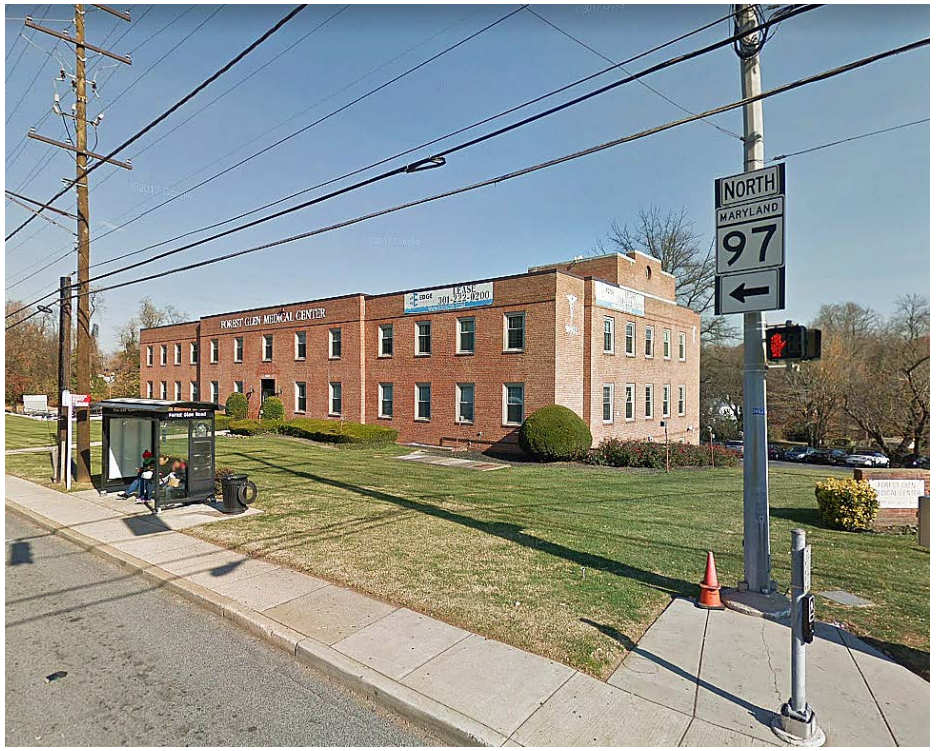
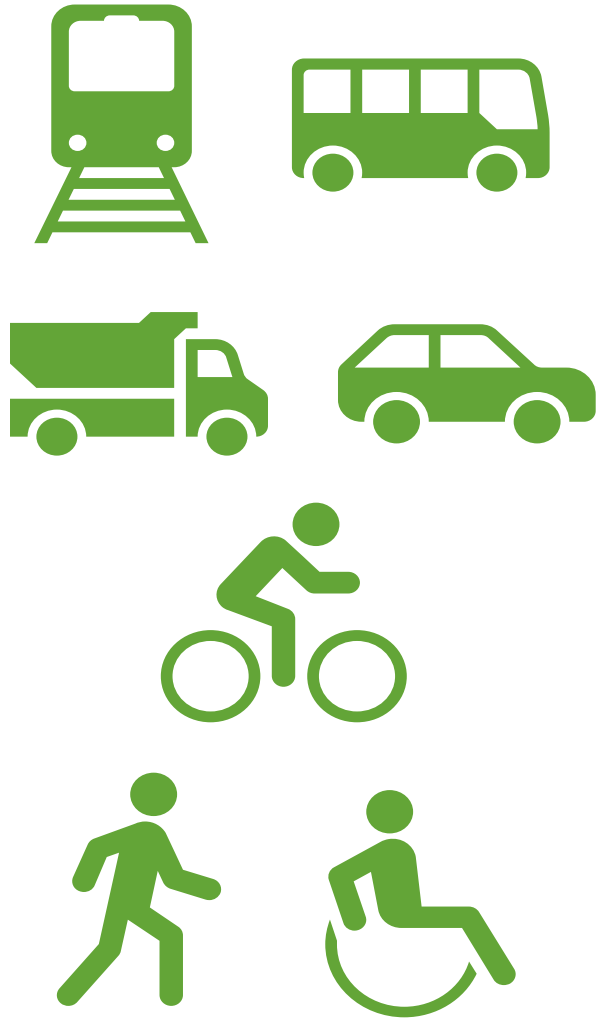


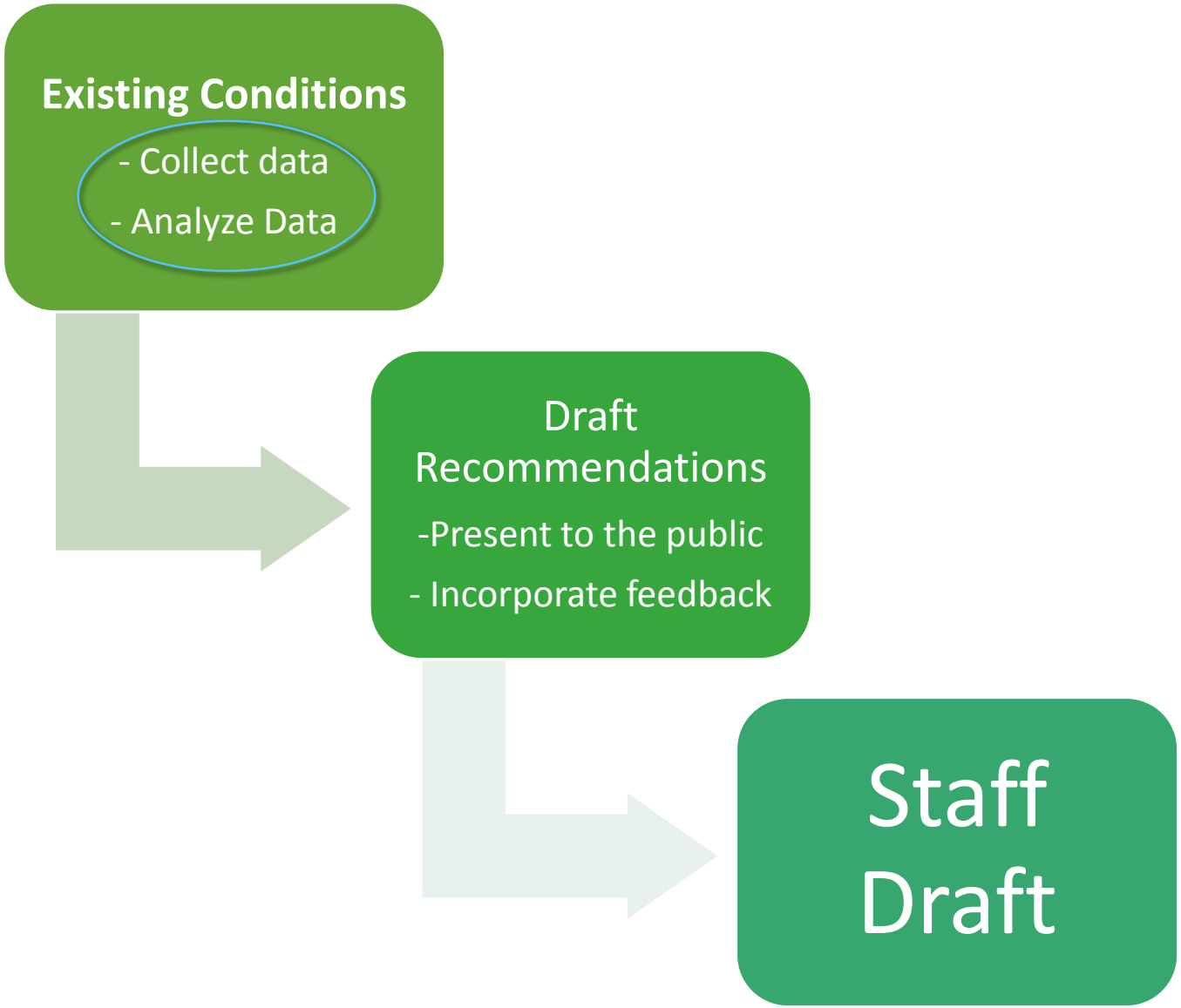
Preliminary Transportation Analysis

Goals of a Robust, Multimodal Transportation Network

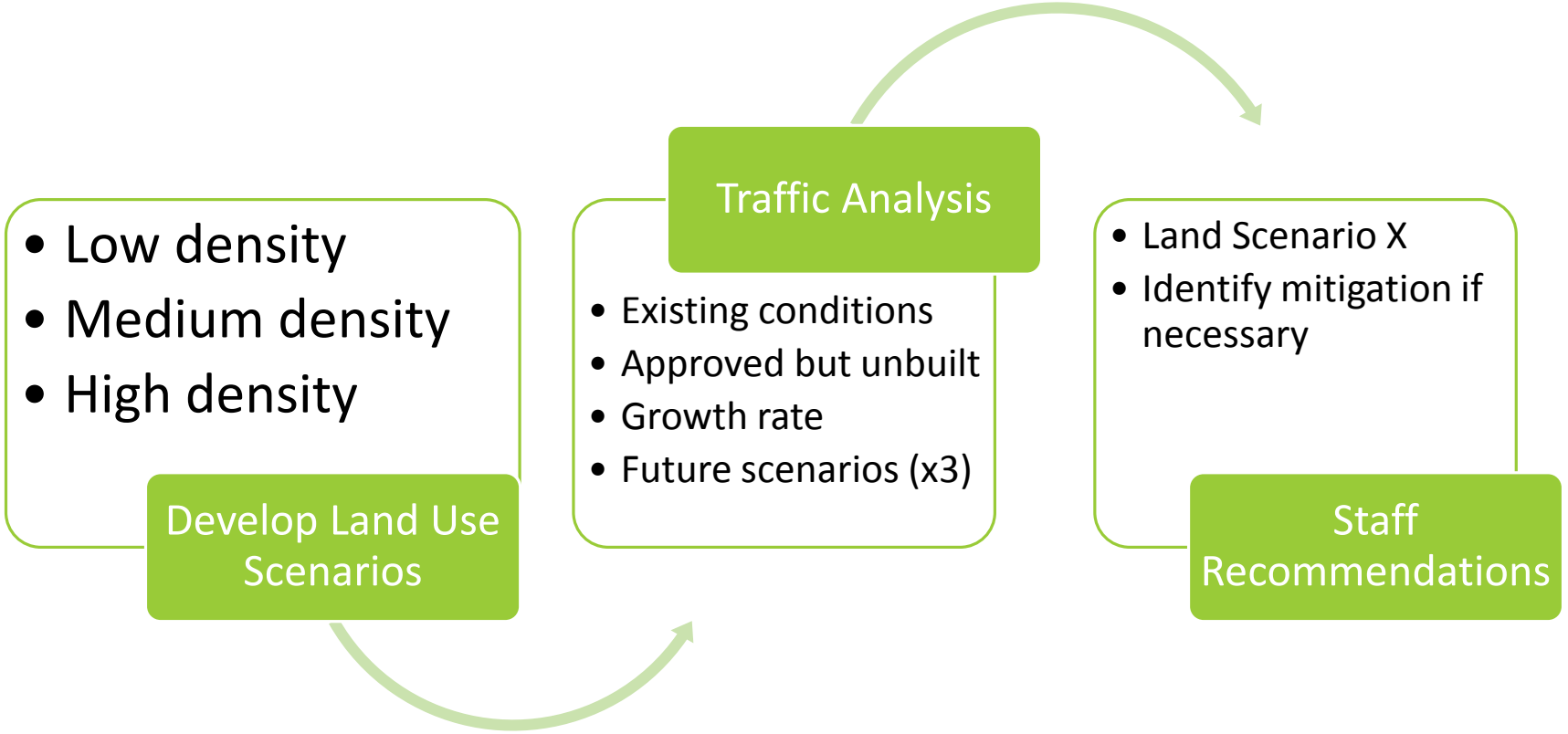


- Safe
- Accessible/Connected
- Efficient
- Comfortable
- Context-Sensitive

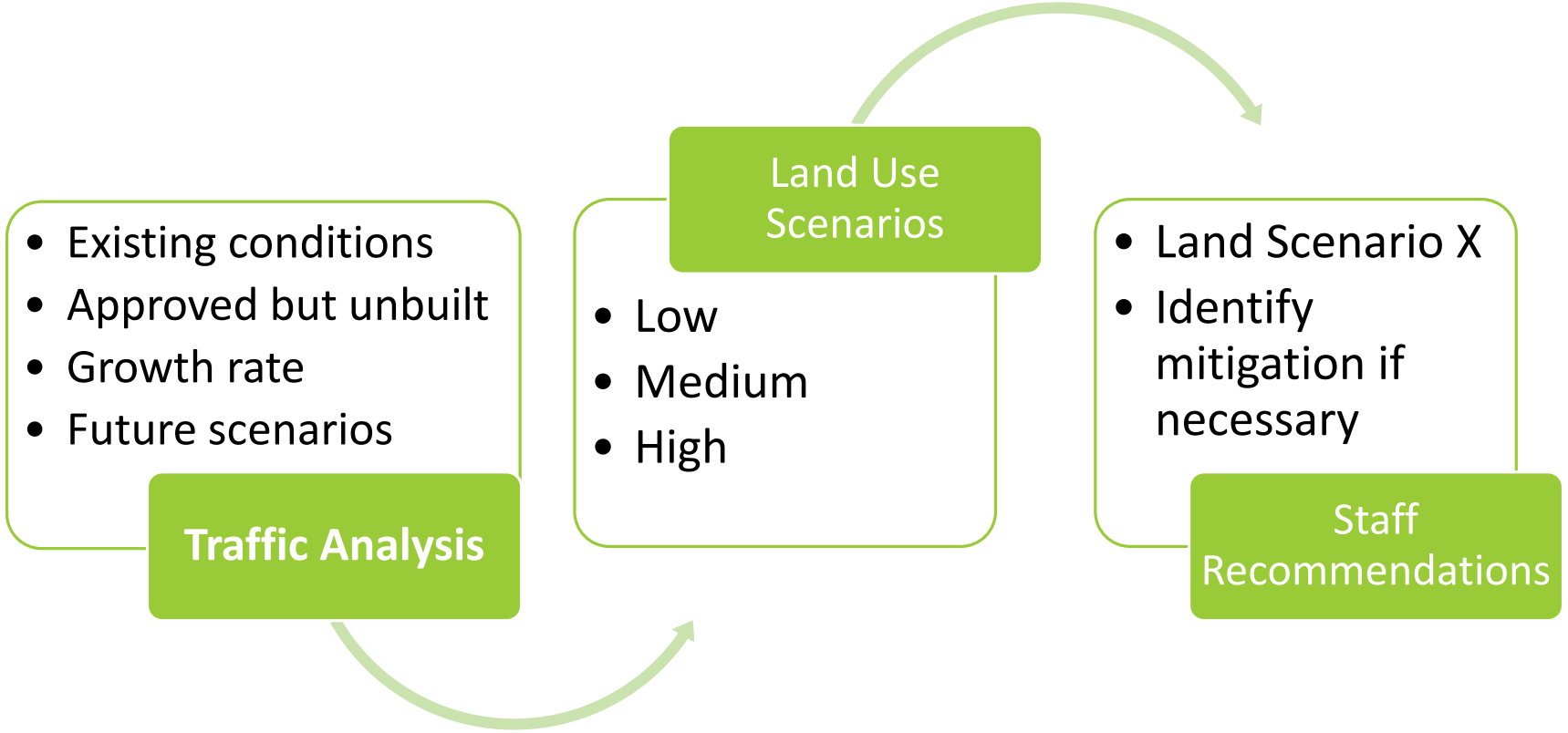
Transportation Timeline



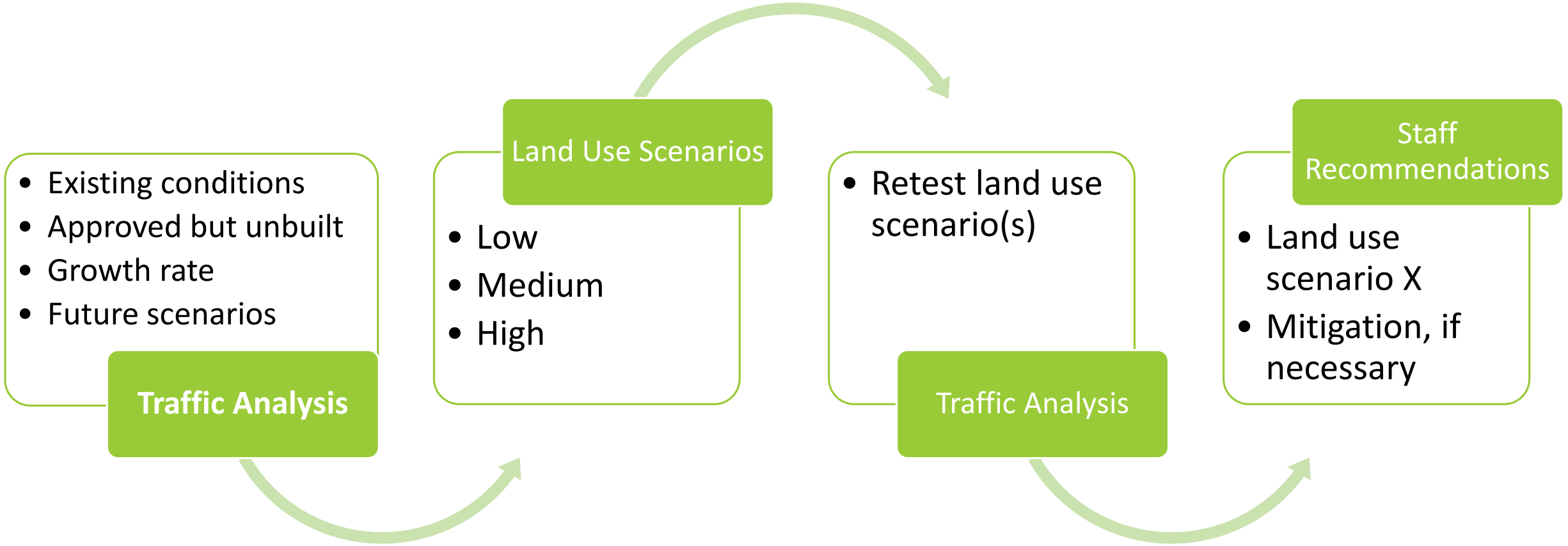
Typical Process for Plan Development



Revised Process for Plan Development



Revised Process for Plan Development



Scenarios for Preliminary Traffic Analysis

1 Existing

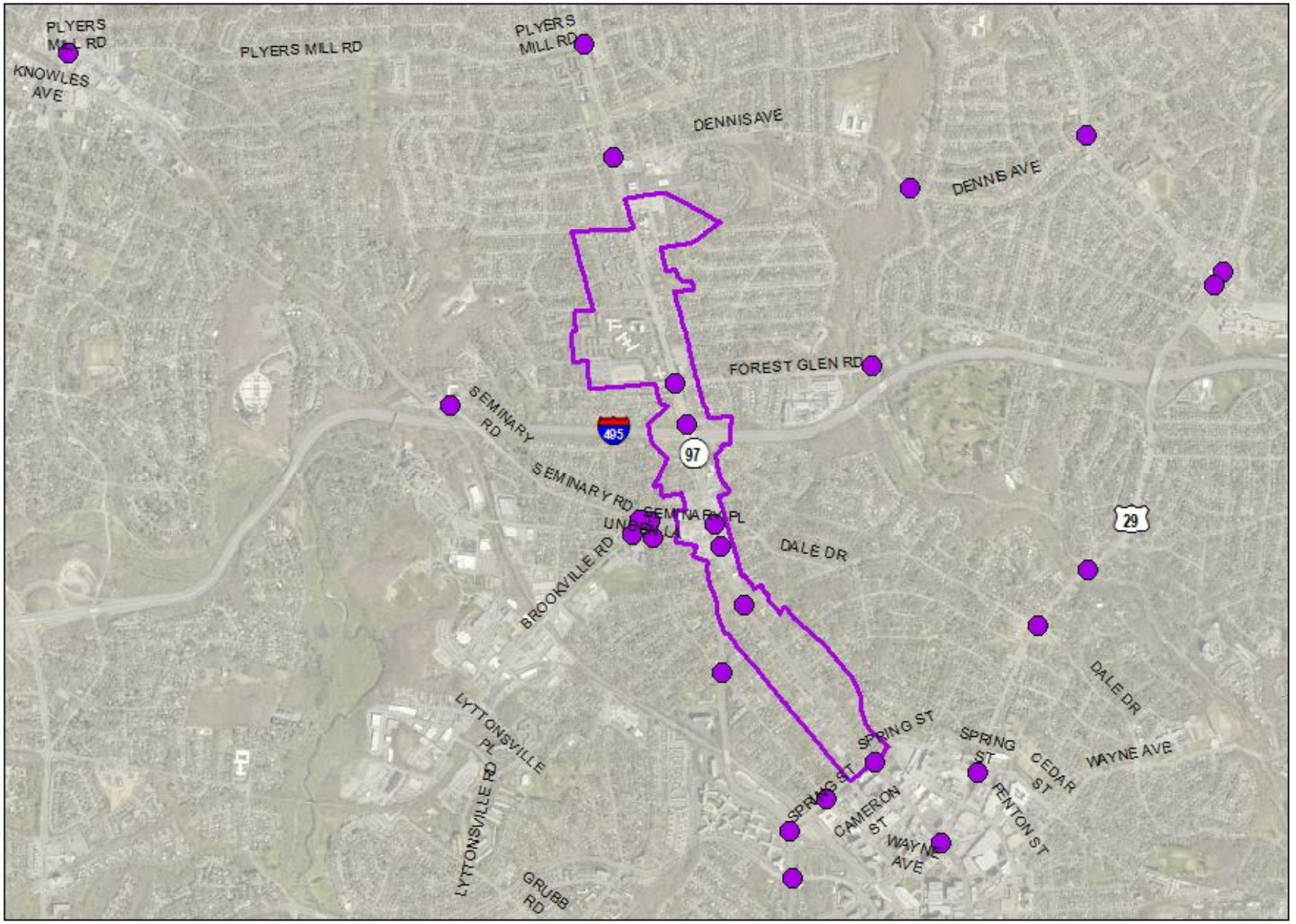
- ❑ Traffic Counts

2 2040 "No-build"

- ❑ Applies growth rate for regional traffic
- ❑ Assumes **no changes** within Plan Area Boundary

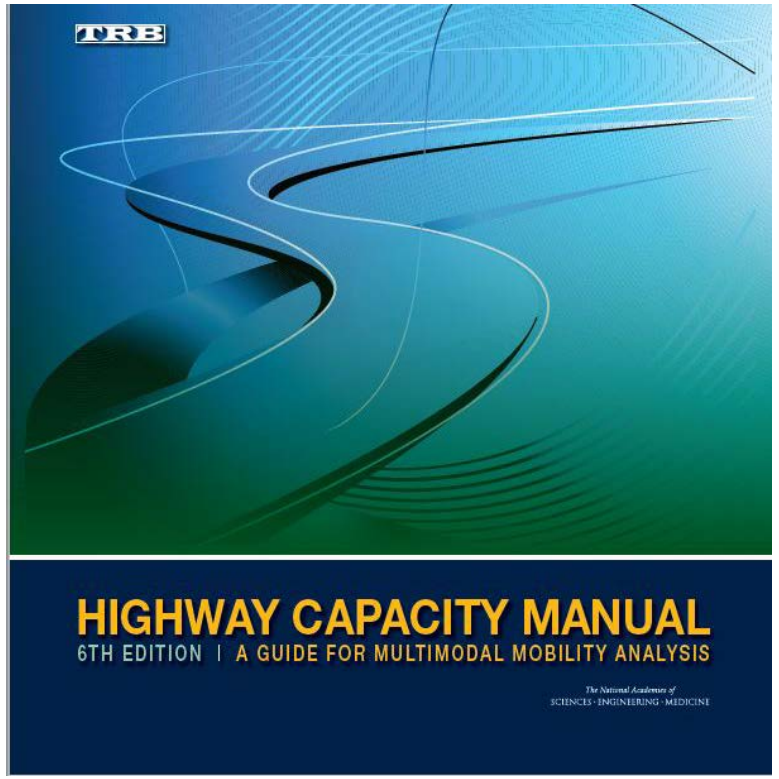
3 2040 "Zoning Potential"

- ❑ Applies growth rate for regional traffic
- ❑ Assumes non-residential zones achieve **maximum density permitted by existing zoning**



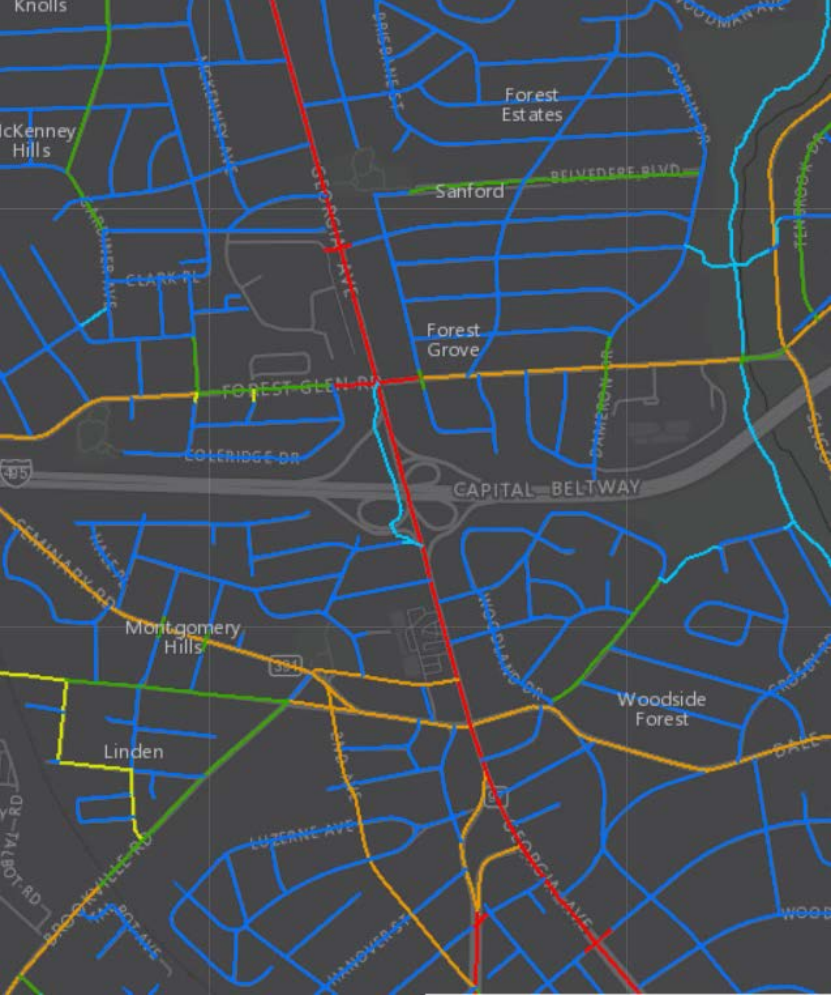
Study Intersections

Preliminary Results

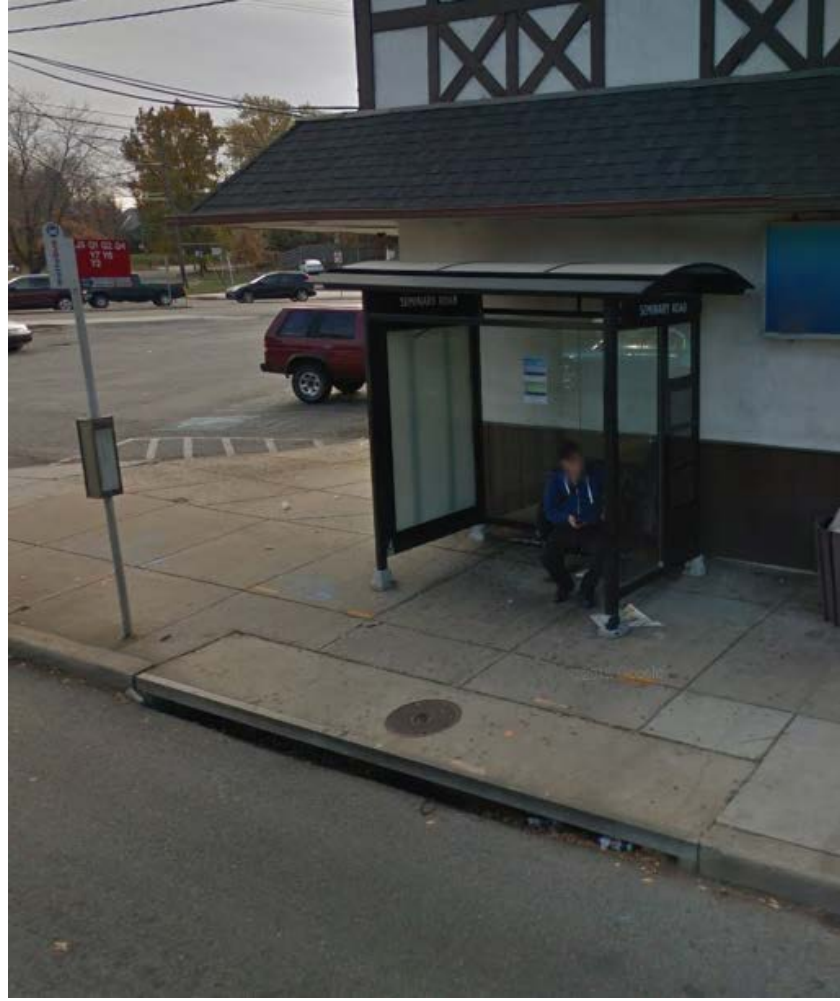


HCM Signalized Intersection Capacity Analysis
1: Georgia Avenue & 16th Street

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (vph)	850	10	0	975	1540	0
Future Volume (vph)	850	10	0	975	1540	0
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Width	12	12	12	12	12	12
Total Lost time (s)	4.0			4.5	4.5	
Lane Util. Factor	0.94			0.91	0.91	
Frt	1.00			1.00	1.00	
Flt Protected	0.95			1.00	1.00	
Satd. Flow (prot)	4997			5085	5085	
Flt Permitted	0.95			1.00	1.00	
Satd. Flow (perm)	4997			5085	5085	
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	924	11	0	1060	1674	0
RTOR Reduction (vph)	1	0	0	0	0	0
Lane Group Flow (vph)	934	0	0	1060	1674	0
Turn Type	Prot			NA	NA	
Protected Phases	4			2	6	
Permitted Phases						
Actuated Green, G (s)	44.6			124.9	124.9	
Effective Green, g (s)	45.6			125.9	125.9	
Actuated g/C Ratio	0.25			0.70	0.70	
Clearance Time (s)	5.0			5.5	5.5	
Vehicle Extension (s)	6.0			0.2	0.2	
Lane Grp Cap (vph)	1265			3556	3556	
v/s Ratio Prot	c0.19			0.21	c0.33	
v/s Ratio Perm						
v/c Ratio	0.74			0.30	0.47	
Uniform Delay, d1	61.7			10.3	12.1	
Progression Factor	1.00			1.00	0.10	
Incremental Delay, d2	3.2			0.2	0.1	


Knolls
McKenney Hills
Forest Estates
Sanford
BELVEDERE BLVD
CLARK PL
Forest Grove
FOREST GLEN RD
COLERIDGE DR
CAPITAL BELTWAY
Montgomery Hills
Woodside Forest
Linden
LUZERNE AVE
GEORGIA AVE


Jalal
BARBERING
HAIRSTYLIN
301-589-49



Next Steps

Motor Vehicle:

- Collect
- Continue to analyze the data to make recommendations for improving network **safety** and **efficiency**.

Pedestrian:

- Launch the pilot for the **Pedestrian Level of Comfort** analysis tool
- Work with MCDOT to coordinate potential **BiPPA concepts**, **assessments** and **recommendations**.

Bicycle:

- Build on analysis already completed for the **Bicycle Master Plan**
- Confirm and potentially suggest additional recommendations for improve bicycle safety and connectivity

Transit:

- Analyze **access** to existing and planned stops and stations with the Pedestrian Level of Comfort Tool
- Review recommendations for **BRT stops and route alignment**
- Coordinate with WMATA and RideOn on known issues feedback from the public

Public Input

Comment Cards

Project Website

Contact Staff