

M-NCPPC SSP UPDATE

TRANSPORTATION IMPACT STUDY WORKING GROUP
(TISTWG) KICK-OFF

September 9, 2019

FEHR  PEERS | DC

TOOLE
DESIGN

AGENDA

1. Introductions (10:00 – 10:10)
2. Context and Rationale for SSP Update (Transportation Element) (10:10 – 10:25)
Role of TISTWG
3. Project Work Scope and Anticipated Schedule (10:25 – 10:45)
4. Overview of Existing Processes (10:45 – 11:00)
5. Discussion and TISTWG Input (11:00 – 11:30)
6. Next Steps

SCOPE OVERVIEW

- LATR Test – local traffic conditions (subdivision review)
 - **Project goal:** Incorporate Vision Zero Action Plan objectives
- Policy Area Test – area-wide traffic impacts (master/sector plan review only)
 - **Project goal:** Better reflect increased travel mode alternatives (as opposed to traditional Level of Service [LOS] metrics)

TECH COMPONENT A: VISION ZERO INTEGRATION

Task 1: Stakeholder Outreach

Task 2: Literature Review

Task 3: Beta-testing of Alternative Methods in Montgomery County

Task 4: Development of Recommendations

TECH COMPONENT A: VISION ZERO INTEGRATION

Task 1: Stakeholder Outreach

- Hold monthly meeting with a Transportation Impact Study Technical Working Group (TISTWG)

TECH COMPONENT A: VISION ZERO INTEGRATION

Task 2: Literature Review

- Review and Summarize:
 - Montgomery County's Vision Zero Action Plan
 - Other Vision Zero strategies
- Identify two alternative transportation impact study approaches
- **Deliverables:** Draft Literature Review Summary Report; Final Literature Review Summary Report

TECH COMPONENT A: VISION ZERO INTEGRATION

Task 3: Beta-Test of Alternative Methods in Montgomery County

- Apply two alternative transportation impact study approaches and the currently adopted LATR approach to a hypothetical development
- Prepare traffic impact study reports for the three approaches
- **Deliverables:** Three Draft Transportation Impact Study Reports; Final Transportation Impact Study Beta-testing Summary Report

TECH COMPONENT A: VISION ZERO INTEGRATION

Task 4: Development of Recommendations

- Recommendations for modifying the current LATR analysis process
- **Deliverables:** Draft LATR Vision Zero Integration Report; Final LATR Vision Zero Integration Report

TECH COMPONENT B: POLICY AREA TESTS

Task 1: Develop Alternative Policy Area Tests

Task 2: Beta-test proposed policy area tests in Montgomery County

Task 3: Development of Recommendations

TECH COMPONENT B: POLICY AREA TESTS

Task 1: Develop Alternative Policy Area Tests

- Develop two test options for consideration
- Consider and document methodology, analysis tools, and standards

Deliverables: Transportation Adequacy Test Summary Report and Beta Test Plan

TECH COMPONENT B: POLICY AREA TESTS

Task 2: Beta-test proposed policy area tests in Montgomery County

- Apply tests to all policy areas of the County
- Document and present results

Deliverable: Beta-test Result Report

TECH COMPONENT B: POLICY AREA TESTS

Task 3: Development of Recommendations

- Recommendations for one of the alternative tests evaluated
- Presentations to Planning Board and Council

Deliverable: Policy Area Level Transportation Adequacy Test Report

TISTWG SCHEDULE

Meeting Date
(Tentative)

Topic

09/09/19

TISTWG Kickoff

10/07/19

Draft LATR Lit Review and Policy Area Test Options

11/04/19

Beta Test Plans for LATR and Policy Area Tests

12/02/19

LATR Data Collection Requirements

01/06/20

Draft LATR Impact Study Reports
Draft Policy Area Beta Test Results

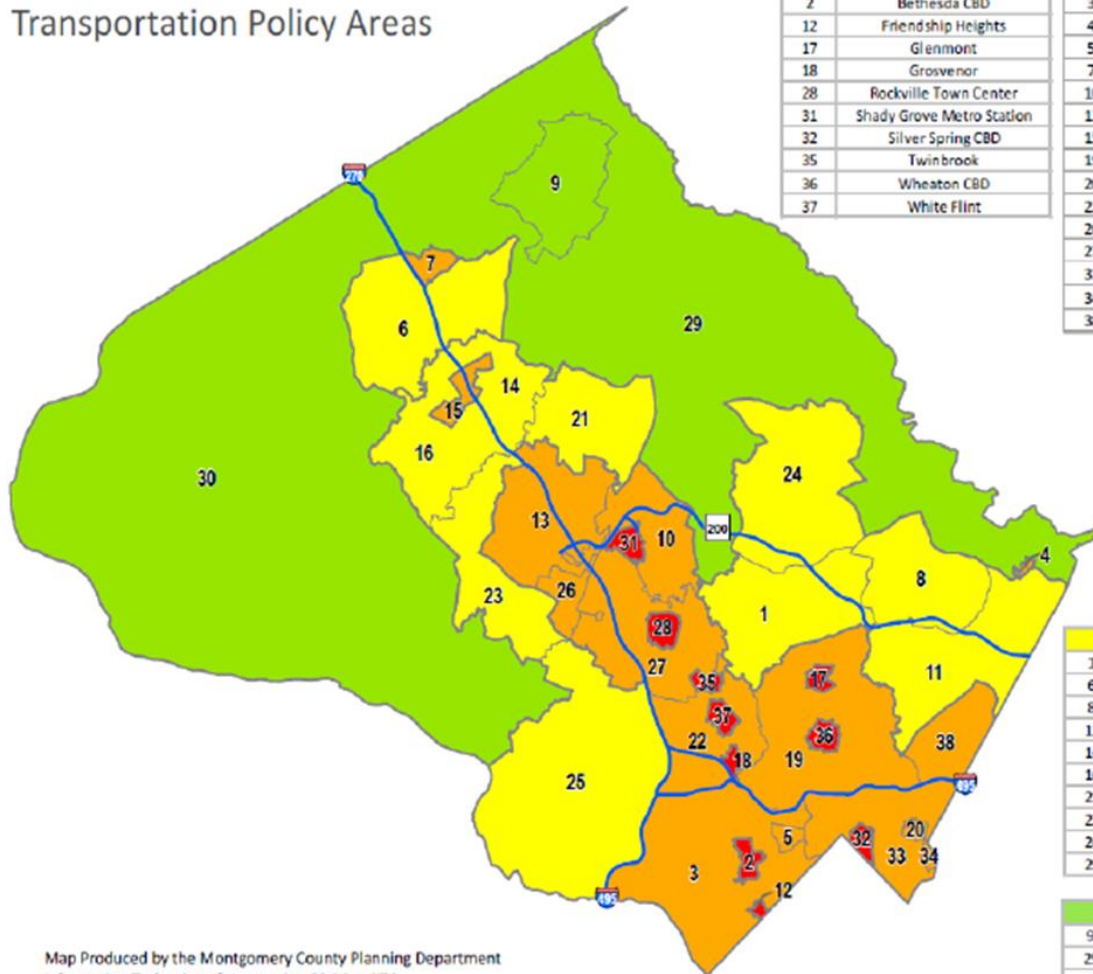
01/27/20

LATR Draft Final Report
Policy Area Draft Recommendations (complete in March 2020)

OVERVIEW OF 2016 POLICY AREA TEST

- Previously proposed only; **NOT** adopted in 2016
- Ensure balance between proposed land use and proposed transportation network and services (adequate public facilities)
- Transit Accessibility – number of jobs reachable within 60 minutes by walk-access transit
- Based on progress toward transit accessibility levels with buildout of 2040 Constrained Long Range Plan
- Mitigation requirements vary by Policy Area

Montgomery County Transportation Policy Areas



Red (MSPAs)	
2	Bethesda CBD
12	Friendship Heights
17	Glenmont
18	Grosvenor
28	Rockville Town Center
31	Shady Grove Metro Station
32	Silver Spring CBD
35	Twinbrook
36	Wheaton CBD
37	White Flint

Orange	
3	Bethesda/Chevy Chase
4	Burtonsville Town Center
5	Chevy Chase Lake Master Plan
7	Clarksburg Town Center
10	Derwood
13	Galthersburg City
15	Germantown Town Center
19	Kensington/Wheaton
20	Long Branch Sector Plan
22	North Bethesda
26	R&D Village
27	Rockville City
33	Silver Spring/Takoma Park
34	Takoma/Langley
38	White Oak

Yellow	
1	Aspen Hill
6	Clarksburg
8	Cloverly
11	Fairland/Colesville
14	Germantown East
16	Germantown West
21	Montgomery Village/Airpark
23	North Potomac
24	Olney
25	Potomac

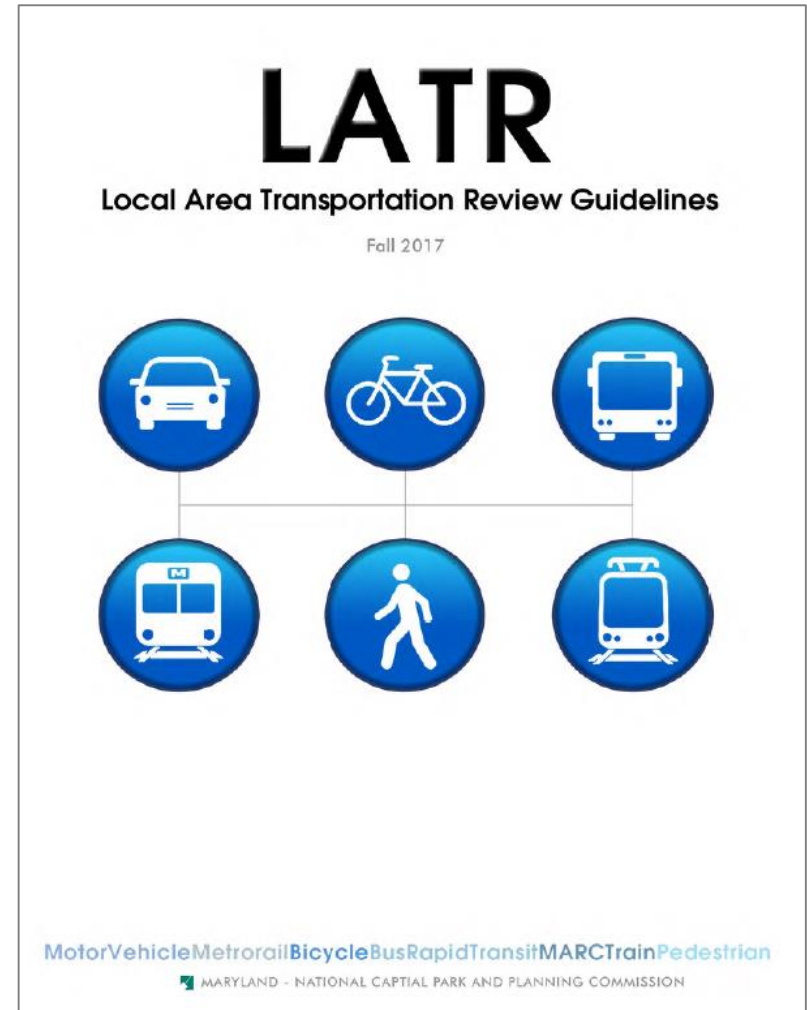
Green	
9	Damascus
29	Rural East
30	Rural West

Map Produced by the Montgomery County Planning Department
Information Technology & Innovation Division (ITI)
November 9, 2016

OVERVIEW OF CURRENT LATR PROCESS

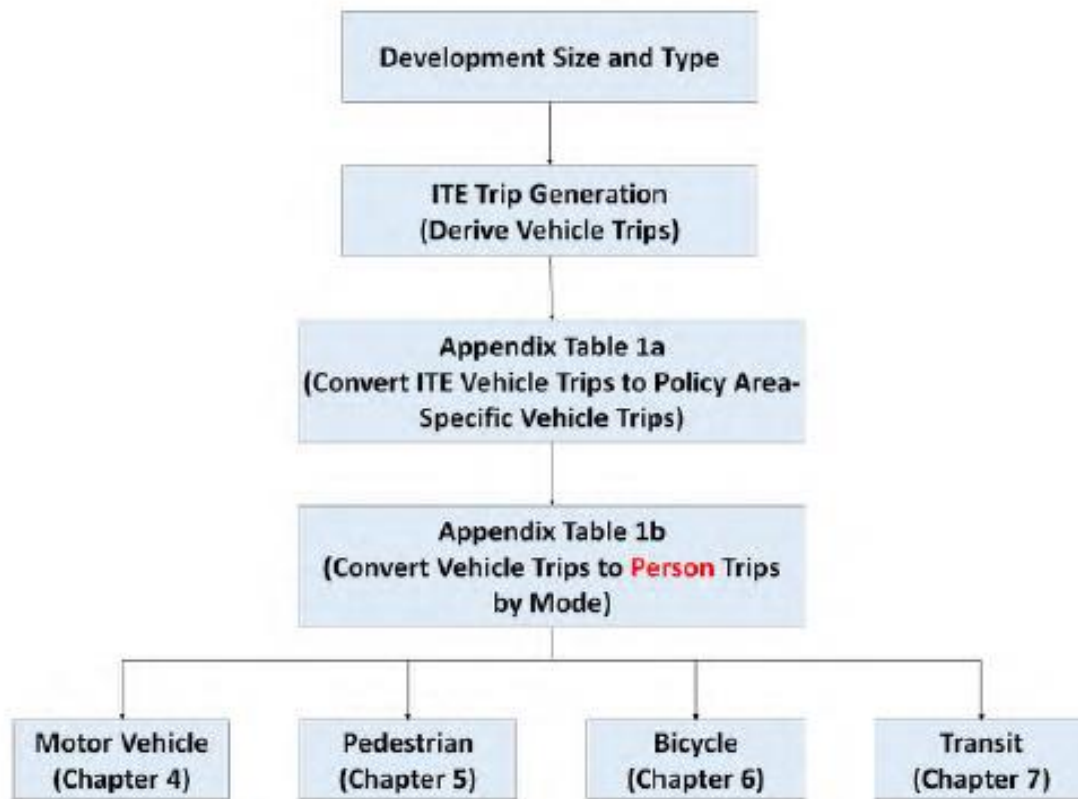
Principles of LATR

- Public facilities must be adequate to serve proposed development.
- The guidelines explain the methodology for determining adequacy, specify mitigation for projected traffic generated by proposed development projects and describe how Traffic Mitigation Payments are determined.



LATR PROCESS – MULTIMODAL ADEQUACY TESTS

Figure 1: Montgomery County Local Area Transportation Review Process



LATR PROCESS – MULTIMODAL ADEQUACY TESTS

Motor Vehicle System Adequacy

- Vehicular Delay
- Critical Lane Volume Intersection Analysis Method
- Isolated Intersection Delay
- Network Delay

Pedestrian System Adequacy

- ADA Compliance
- Pedestrian Crosswalk Delay

Bicycle System Adequacy

- Level of Traffic Stress

Transit System Adequacy

- Peak Load Level of Service

LATR PROCESS – MITIGATION PRIORITIES

Transportation demand management (TDM) approaches to reduce vehicular demand.

Pedestrian or bicycle improvements.

Transit facility or service improvements.

Intersection operational improvements.

Roadway capacity improvements.

INPUT ON CURRENT LATR PROCESS

What is working well? (... and what's not?)

What are the challenges?

How can challenges be addressed?

NEXT STEPS

LATR – Literature Review

Policy Area – Test Options

TISTWG Meeting: Monday, October 7, 10:00 – 11:30 am