Transportation Planning
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Overview

☑️ Purpose & Context
☑️ Preliminary Findings
☑️ Continued Research & Analysis
☑️ Design Solutions
☑️ Questions
Purpose & Context

The Role of the “Sector Plan”

Good planning is sustainable:

• Social equality
• Economic vitality
• Environmental integrity
Purpose & Context

Local Transportation Needs

• Accessible & Efficient

• Multimodal

• Context Sensitive
Purpose & Context: Purple Line and Capital Crescent Trail

Purple Line
- Construction Begin: 2015
- Operations Begin: 2020

Capital Crescent Trail
- Designed by MTA
- Operated and Maintained by MCDOT

Planning Department’s Role
- Station Access
- Community Compatibility
- Mandatory Referral
Preliminary Findings

- Vehicular Access & Mobility
- Existing Bikeway Recommendations
- Pedestrian Connectivity
Preliminary Findings: Vehicular Access & Mobility
Preliminary Findings: Vehicular Access & Mobility

Arterial Roadway

Primary Residential

Brookville Road

Sundale Drive
Preliminary Findings: Vehicular Access & Mobility

Secondary Residential Roadway

Tertiary Residential Roadway

Porter Road

Pennsylvania Avenue
Preliminary Findings: Existing Bikeway Recommendations
Preliminary Findings: Pedestrian Access and Circulation
Continued Research & Analysis: Traffic Forecasting

Inputs
- Road and Transit Network in 2040
- Land Use Forecasts (households and Jobs) in 2040

Outputs
- Traffic Volumes at Intersections in 2040
Continued Research & Analysis: Traffic Forecasting

Measures of Congestion

- Peak Hour (Morning and Evening)

- Critical Lane Volume (CLV)
  - The sum of traffic volumes that cross at a single point of an intersection
  - Planning Tool
  - CLV Standard in the Silver Spring/ Takoma Park Policy Area: 1,600

- Highway Capacity Manual (HCM)
  - Conducted if CLV exceeds 1,600
  - Intersection Volume/ Capacity (V/C)
  - V/C Standard in the Silver Spring/ Takoma Park Policy Area: 1.0
Design Solutions: Transportation Elements
Design Solutions: Complete Streets
Design Solutions: Complete Streets

Complete Streets

Streetscape Section - The Pedestrian Realm

- Decorative walk along existing curb
- Walk with pavers
- landscaped bump-out
Design Solutions: Bikeway Types

- Secondary Residential Road
- Arterial Road
- Shared Use Path
Questions

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