Transportation Planning
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Overview

- ☑ **Purpose & Context**

- ☑ **Preliminary Findings**

- ☑ **Continued Research & Analysis**
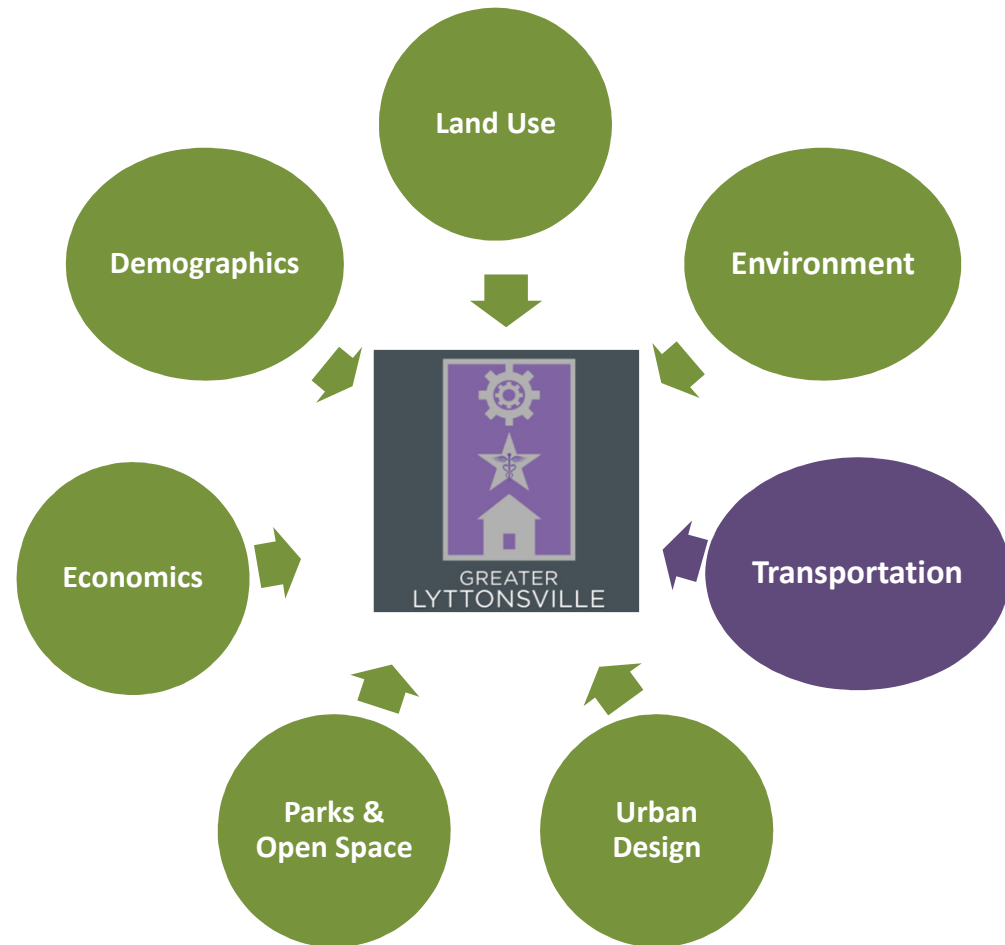
- ☑ **Design Solutions**

- ☑ **Questions**

Purpose & Context

The Role of the "Sector Plan"
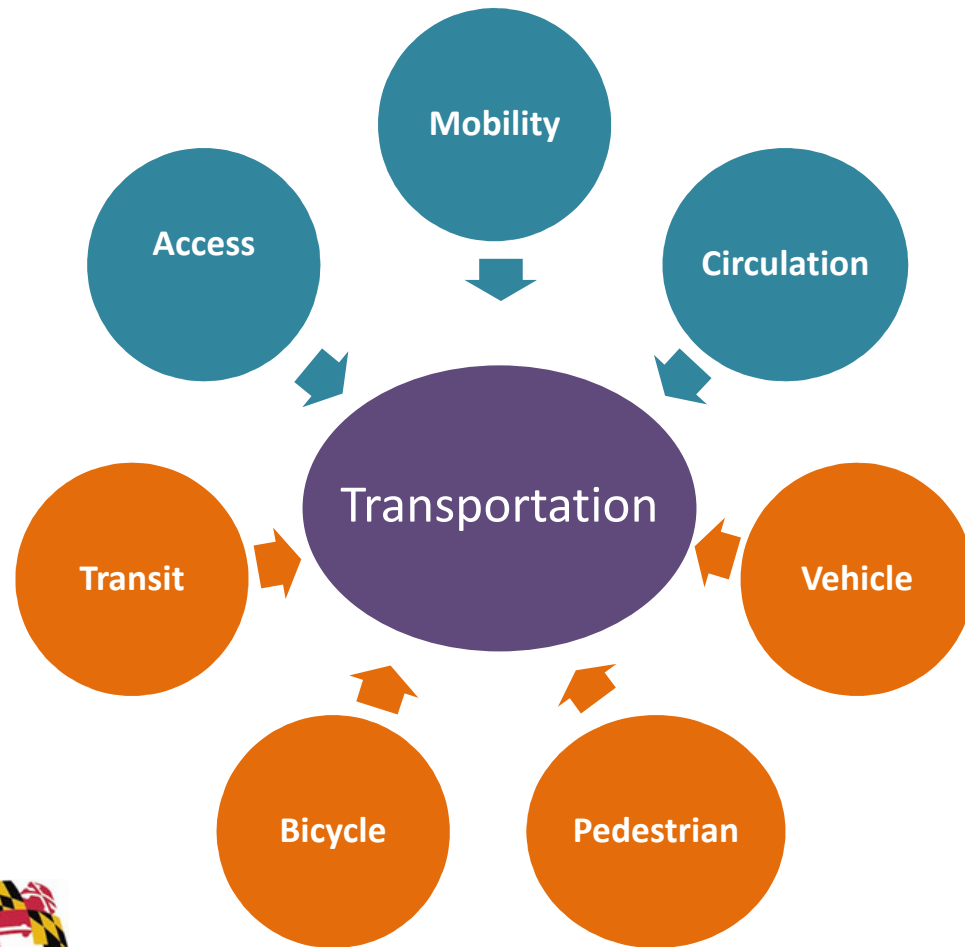
Good planning is sustainable:

- **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
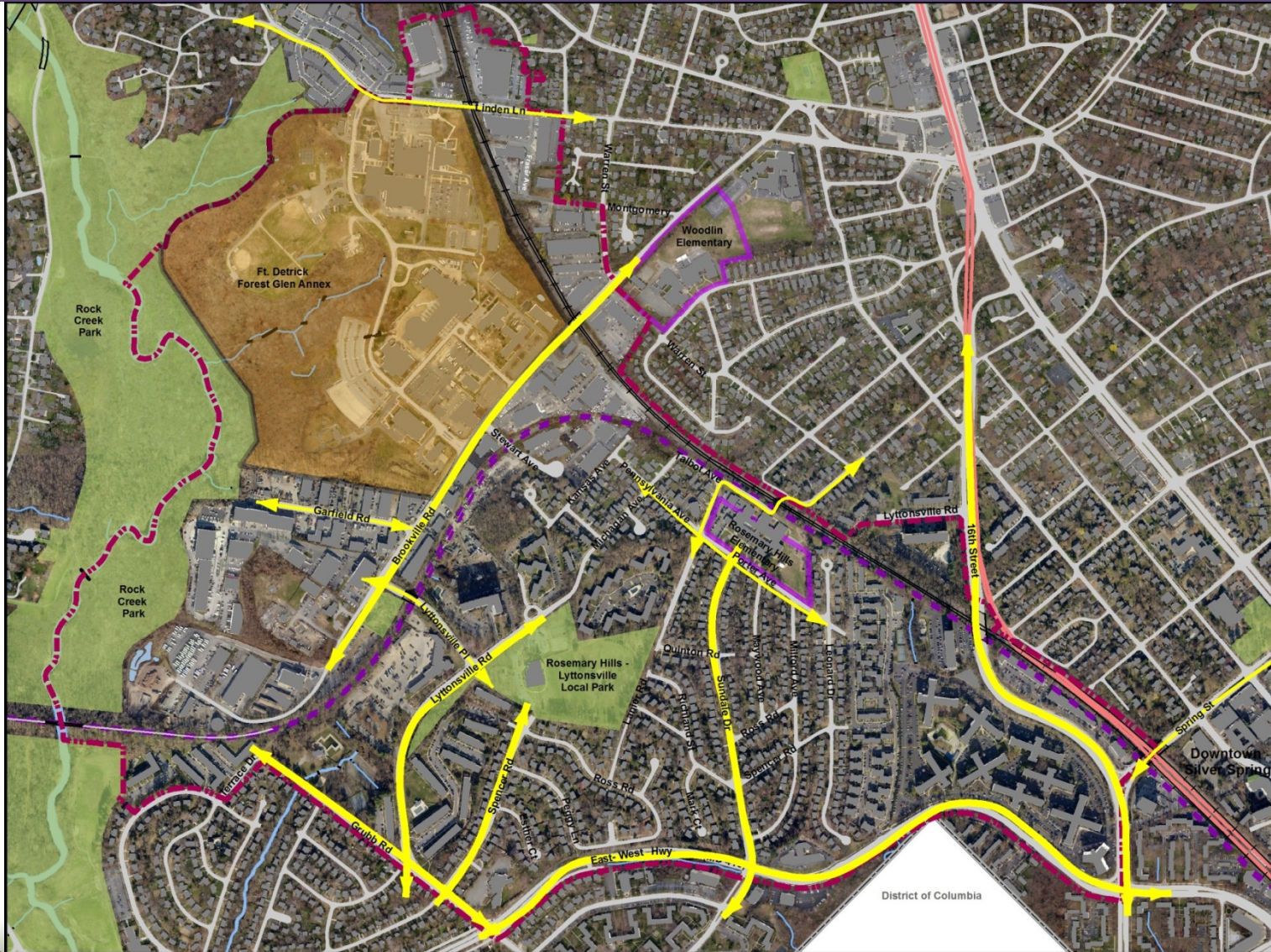- Station Access
- Community Compatibility
- Mandatory Referral

Preliminary Findings

- **Vehicular Access & Mobility**

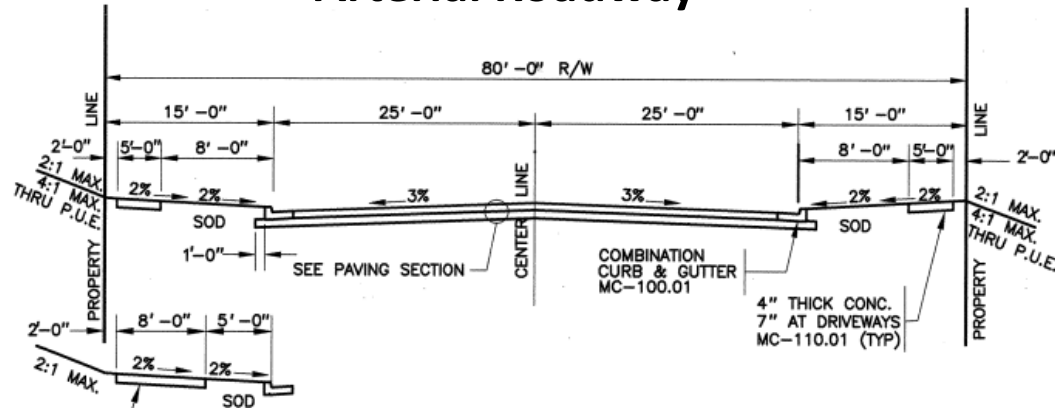- **Existing Bikeway Recommendations**

- **Pedestrian Connectivity**

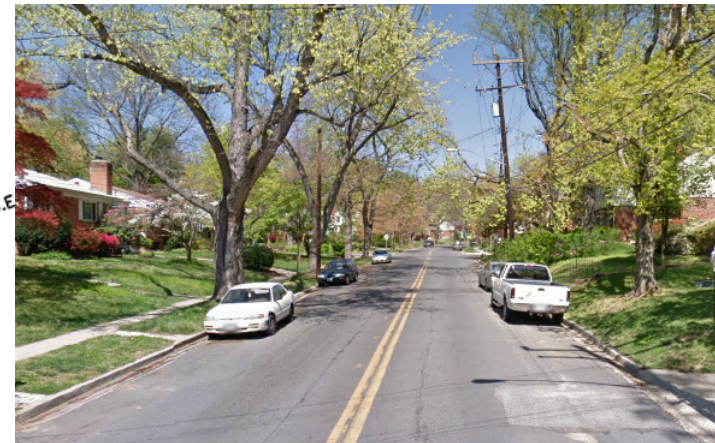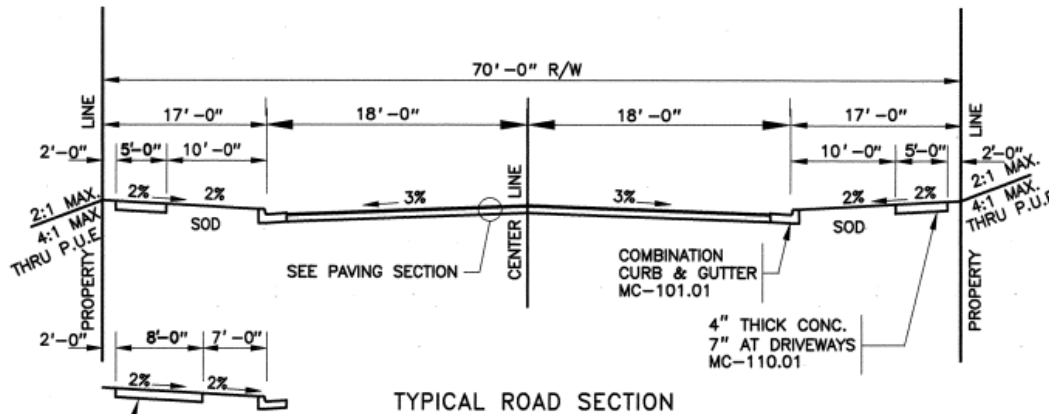# Preliminary Findings: Vehicular Access & Mobility

Maryland-National Capital Park and Planning Commission

Preliminary Findings: Vehicular Access & Mobility

Arterial Roadway

Brookville Road

Primary Residential

Sundale Drive

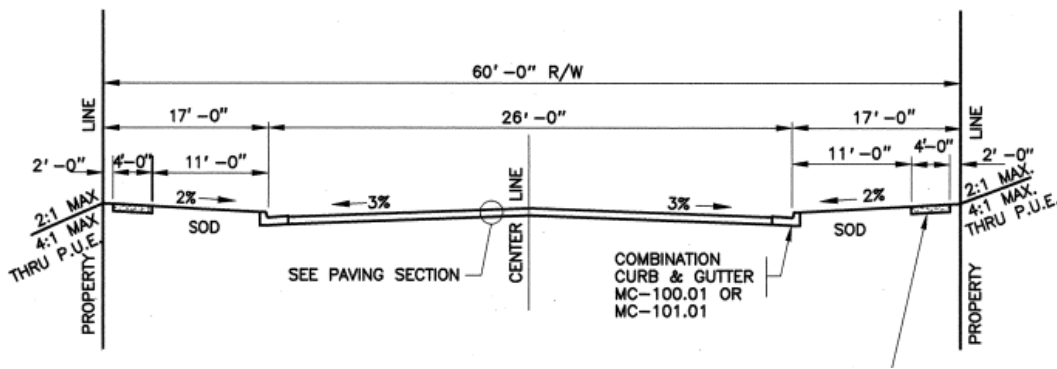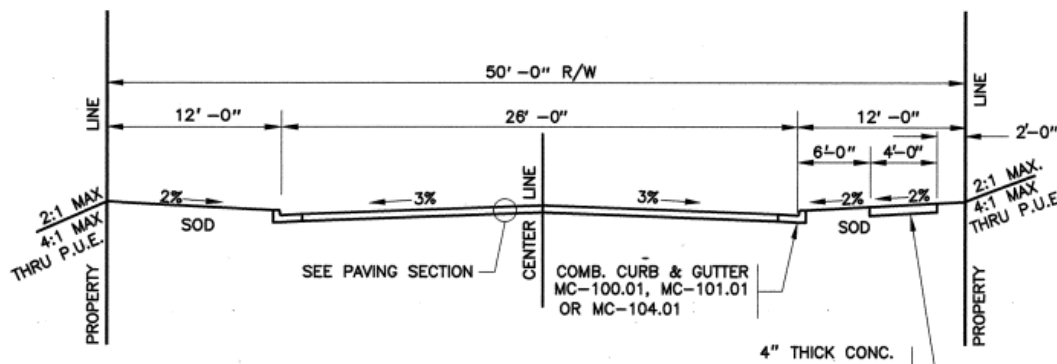Maryland-National Capital Park and Planning Commission

Preliminary Findings: Vehicular Access & Mobility

Secondary Residential Roadway
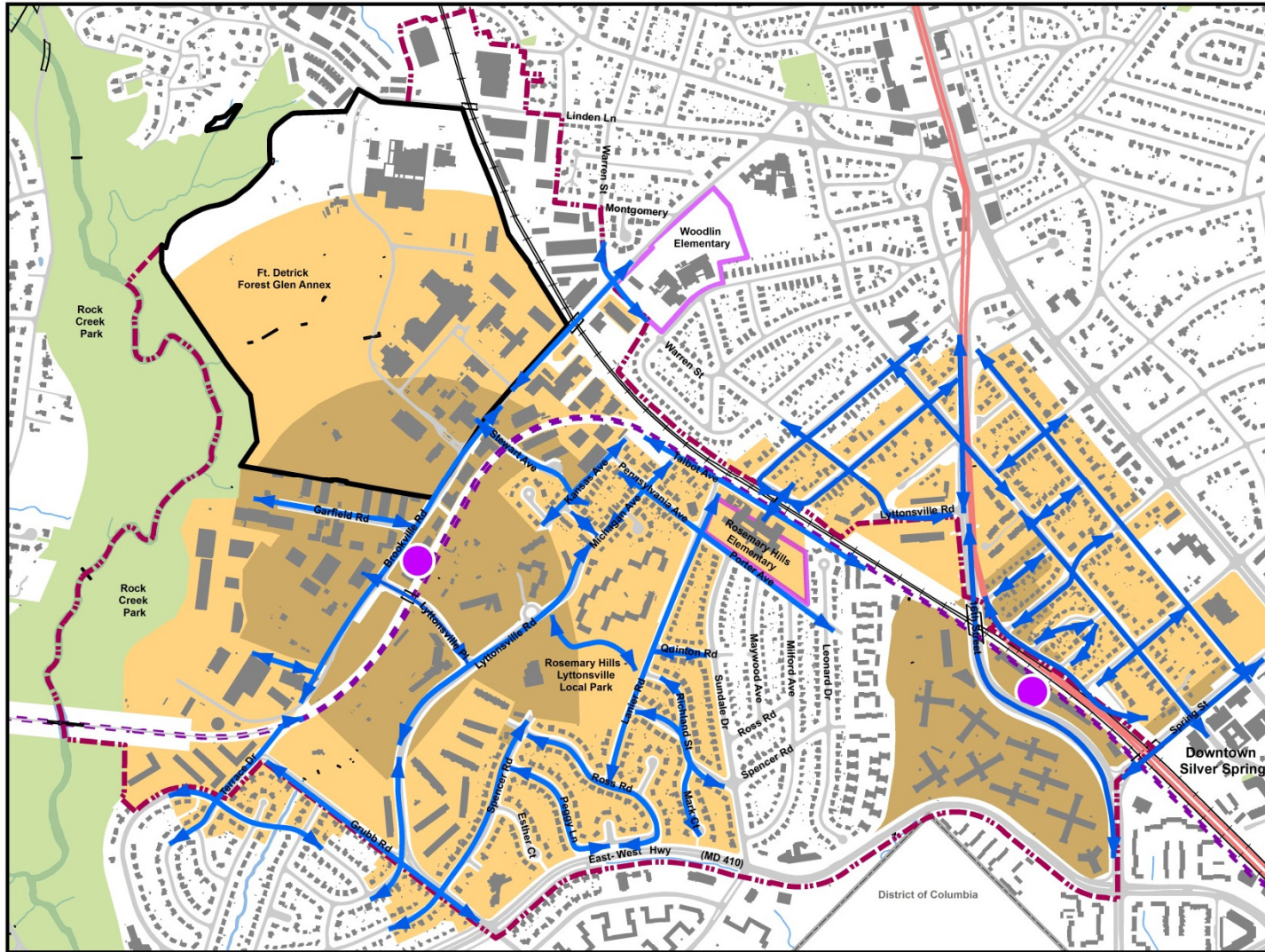

Porter Road

Tertiary Residential Roadway

Pennsylvania Avenue

MONTGOMERY COUNTY PLANNING DEPARTMENT

Preliminary Findings: Existing Bikeway Recommendations

Maryland-National Capital Park and Planning Commission

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

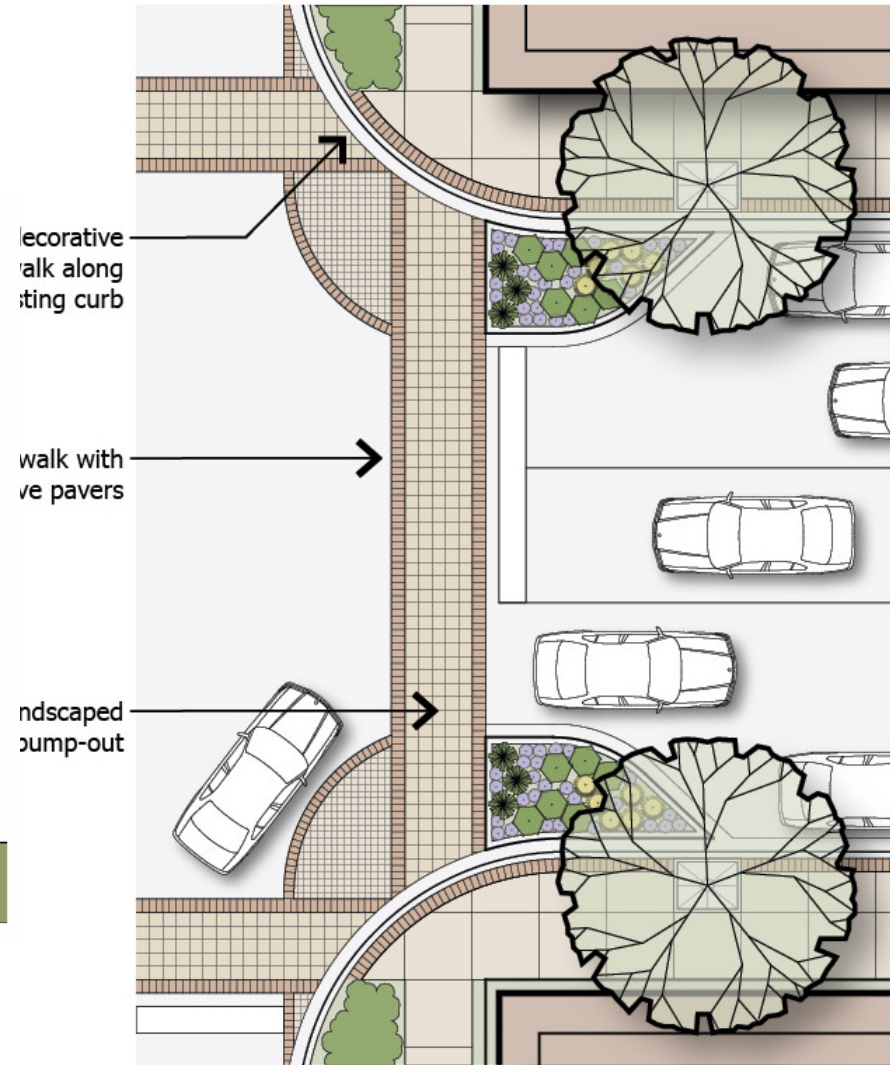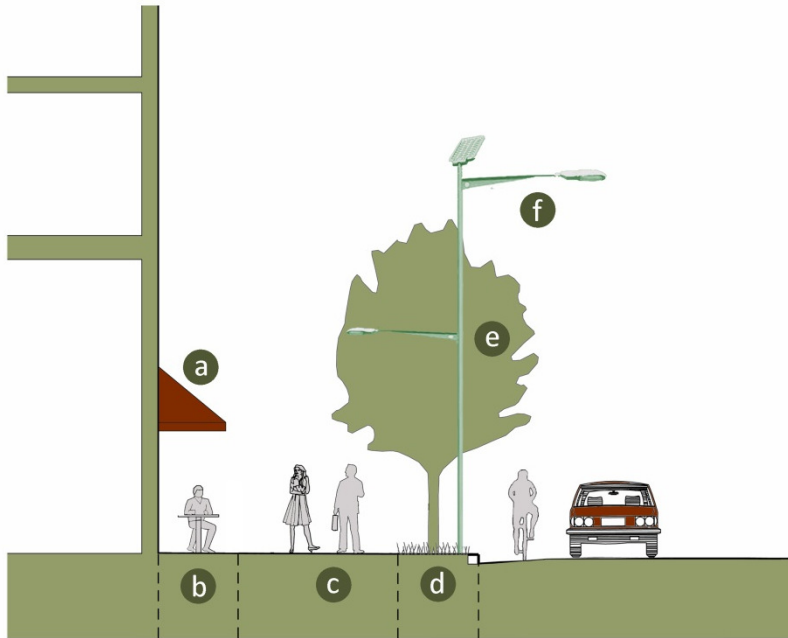# Design Solutions: Transportation Elements
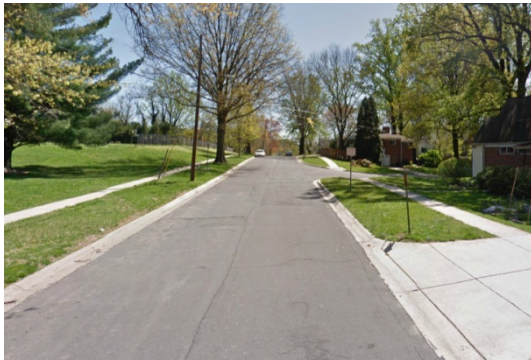
Design Solutions: Complete Streets

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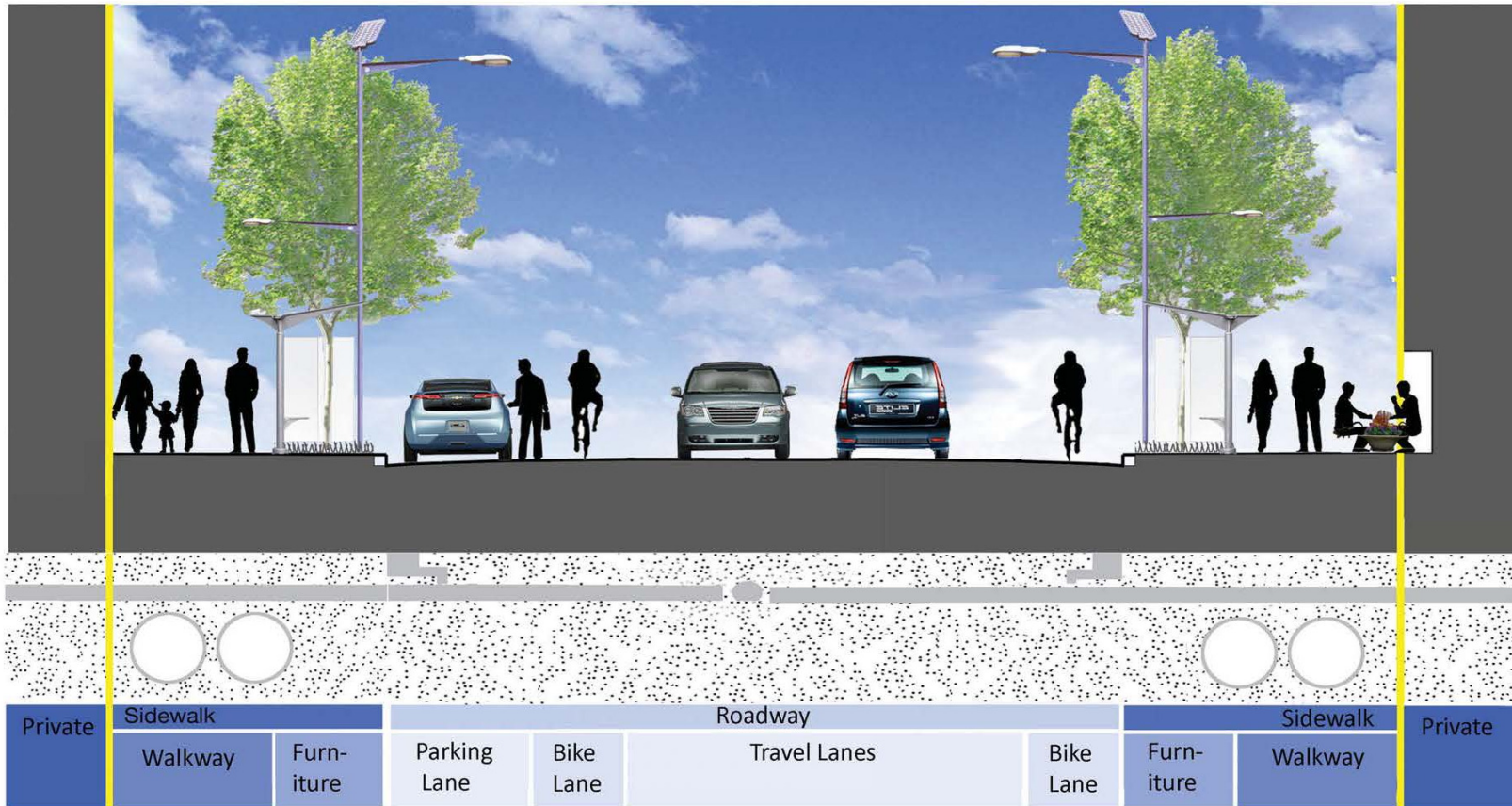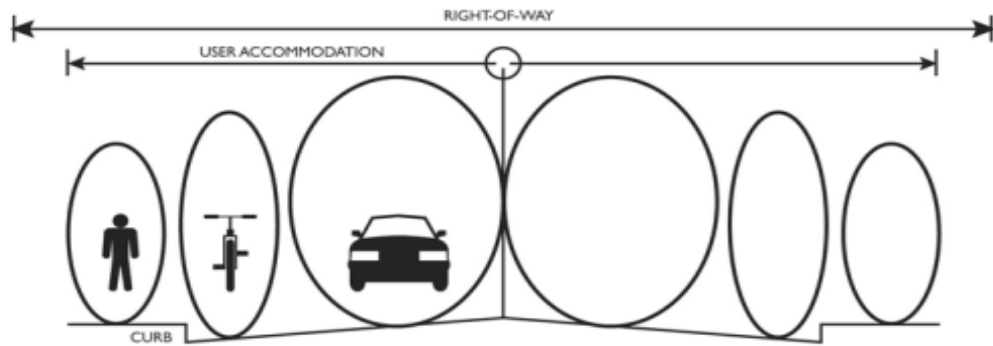
Design Solutions: Complete Streets

Complete Streets

Streetscape Section - The Pedestrian Realm

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Design Solutions: Bikeway Types

SHARE THE ROAD

112 inches
72 inches
40 inches

Secondary Residential Road

BIKE LANE AHEAD

Arterial Road

TRAIL X-ING
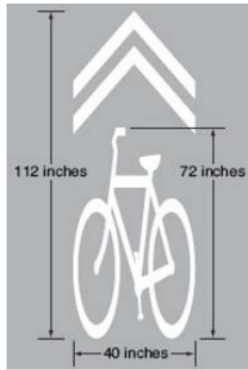
Shared Use Path

Questions

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