





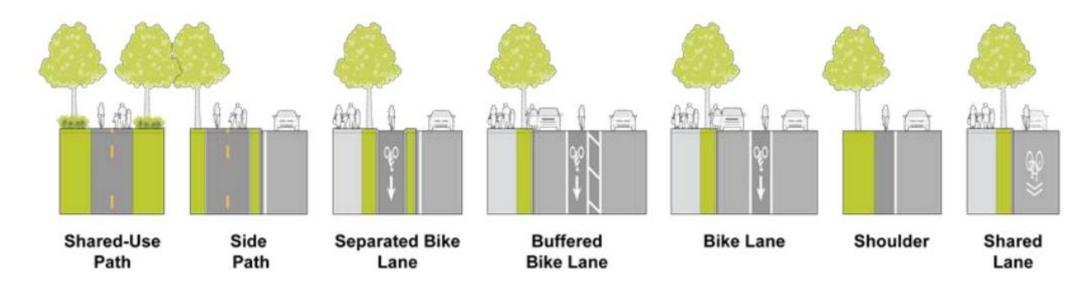


MARYLAND DEPARTMENT OF TRANSPORTATION

Bicycle Network Accessibility Analysis

Nate Evans, Active Transportation Planner

Levels of Traffic Stress





SEPARATION FROM TRAFFIC





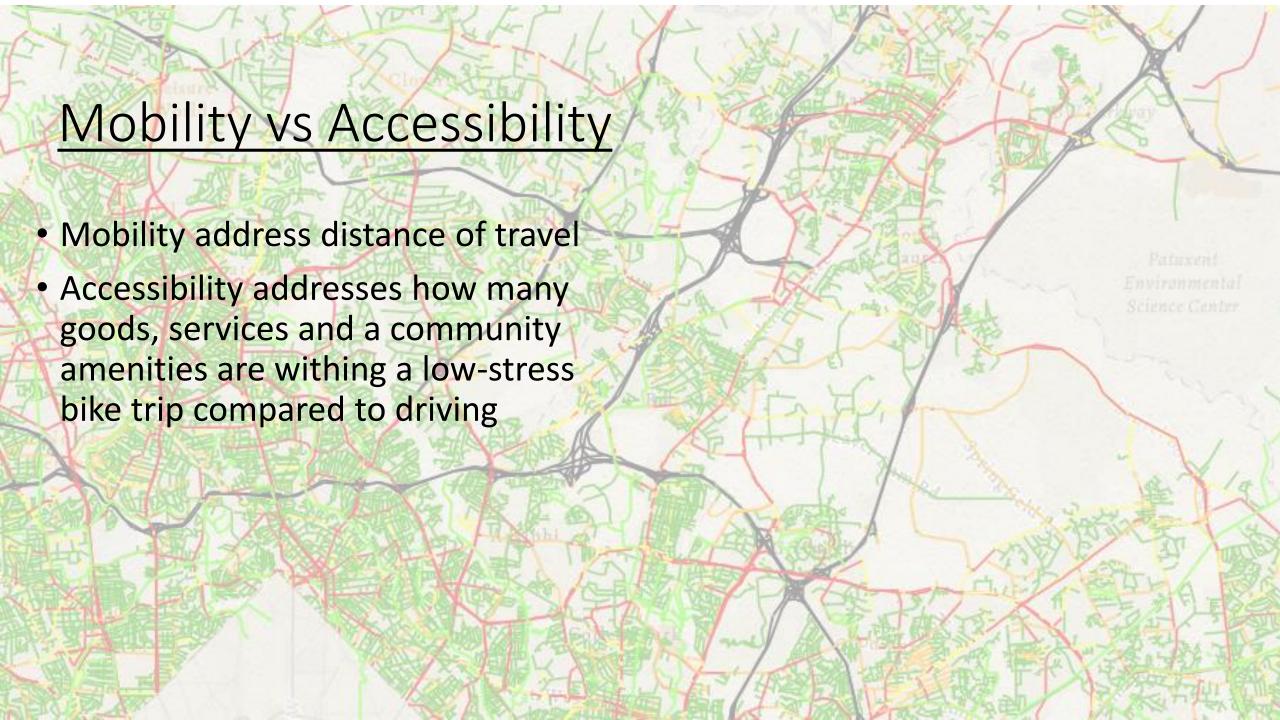


MDOT LTS Scale

LTS	Target Audience	Bicycle Facility Types
0	All ages and abilities	Shared-use paths, rail trails
1	Almost everyone	Protected bikeways, sidepaths
2	Interested but concerned	Bike lanes, bike boulevards
3	Enthused and confident	Bike lanes, shared lanes, shoulders
4	Strong and fearless	No bike facility or bike lane on a major roadway
5	Bicycle Access Prohibited	Bicycle access is prohibited by managing roadway agency

Bicycle Facility Inventory

- Linear Referencing System (LRS) vs. GIS
- Asset management, existing facilities only
- Develop routable network to measure accessibility
- Facility Types
 - Shared-use paths
 - Protected bike lanes
 - Standard bike lanes
 - Null Value (shared lanes, shoulders)
- Sub-facility Type
- Side of Roadway (both, left, right)
- Traffic Flow (one-way, two-way)
- Vertical Separation (yes, no)



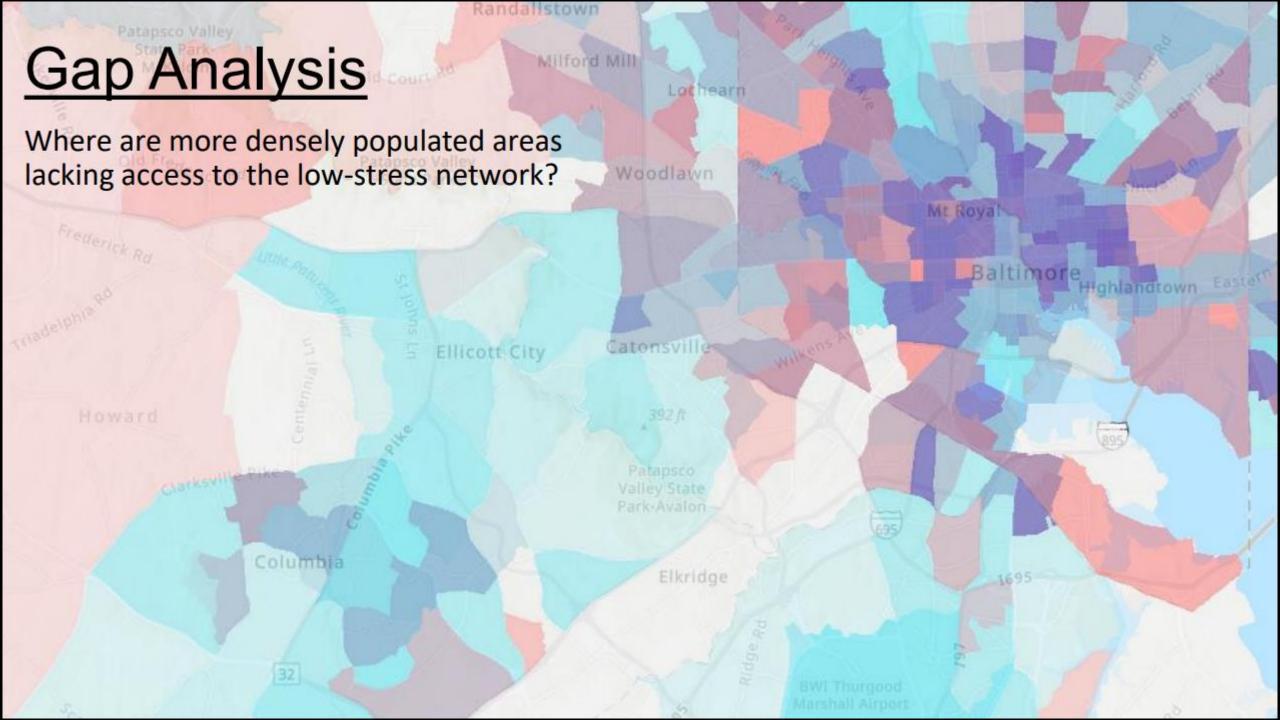
Network Configuration

Stress Level	Distance
LTS 0-1	1.67
LTS 0-1	5 miles
LTS 0-2	1.67 miles
LTS 0-2	5 miles
Driving	1.67
Driving	5

BNA Scoring Categories

Category	Weight	Subcategory
People	15	Population
Opportunity	20	Employment, K-12, vocational/technical school, higher education
Core Services	20	Doctors, dentist, hospital, pharmacies, supermarkets, social services
Recreation	15	Parks, Recreational Trails, Community Centers
Retail	15	Retail shopping
Transit	15	Transit stations and centers







Plan Schedule

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PREPARE RECOMMENDATIONS



DEVELOP PLAN



PLAN ADOPTION

JANUARY 2023



→ APRIL - MAY — 2023

JUNE -AUGUST 2023 SEPTEMBER - OCTOBER 2023 NOVEMBER
- DECEMBER
2023





Vision & Goals

VISION: Maryland will provide safe and convenient active transportation that supports equitable access for all.

- Safety: Improve the safety of bicycle and pedestrian travel through infrastructure & evaluation
- Process: Better integrate active transportation and micromobility considerations in project and program procedures
- Connections: Encourage short- and long-distance active transportation trips through better-connected networks
- Equitable & Sustainable Communities: Leverage active transportation investments for building sustainable, equitable and resilient communities



