



Resilience 2050

Adapting to the Challenges of Tomorrow

LRTP Update: Safety Subcommittee
September 23, 2021



What is the LRTP?

- **Transportation Improvement Program:**
 - Covers a period of at least 4 fiscal years
 - Updated annually
 - Financially constrained
- **Long-Range Transportation Plan:**
 - Developed every 4 years
 - Addresses at least a 20-year planning horizon
 - Major surface transportation projects expected to be implemented through 2050
 - Financially constrained

Plan Development Process

- **Launch public planning process for Resilience2050:** August 2021
- **Goals and Strategies:** Public comment September 2021
- **Emerging Technologies, Trends and Issues:** BMC staff writing and modeling exercises Fall 2021 – April 2022
- **Financial and Socioeconomic Forecasts**
 - Financial: Forecasted revenues provided by MDOT
 - Round 10 Socioeconomic Forecasts: Generate population, household, and job forecasts through 2050
 - Delayed due to the need to incorporate data that reflects COVID-19 impacts on forecasts
 - Used as inputs into our travel demand model

Plan Development Process

- **Project Prioritization, Scoring, and Preferred Alternative**
 - Project Scoring Methodology
 - TC/BRTB Review: September and October 2021
 - TC/BRTB Approval of Scoring methodology: November 2021
 - Call for Projects: April – June 2022
 - BMC Staff Scoring and Preferred Alternative: June – August 2022 (BRTB October 2022)
 - Model/Analyze Effects of Preferred Alternative: November 2022 to January 2023
 - Air quality conformity modeling, Travel demand modeling, EJ modeling, Natural and Cultural Resources Analyses
- **Release Draft Plan for Public Comment, Review, and Adoption:**
 - Hold meetings in each jurisdiction: February 2023 to April 2023
 - Review and respond to public comments: May 2023
 - BRTB Vote: July 2023

Regional Goals and Strategies

- Goal: Broad aspiration or guiding principles for the region
- Strategies: Approaches or Policies to aid implementation of goals
- In developing goals and strategies, the BRTB considered:
 - Federal, State, Regional, and Local requirements and policies
 - Factors that could affect how the region's transportation systems will perform over the next 25 years
- Open for public comment through October 12
- [Publicinput.com/Resilience2050goals](https://publicinput.com/Resilience2050goals)

Regional Goals

- Goals that address the basic functions of transportation:
 - Improve Accessibility
 - Increase Mobility
- Goals that address the conditions or effects of transportation:
 - Improve System Safety
 - Improve and Maintain the Existing Infrastructure
 - Create an Environmentally Responsible Transportation System
 - Improve System Security
 - Promote Prosperity and Economic Opportunity
- Goals that address the transportation decision making process:
 - Foster Participation and Cooperation Among Stakeholders
 - Promote Informed Decision Making

Goals and Strategies: Improve System Safety

- **Improve System Safety: Reduce the number of crashes, injuries, and fatalities experienced by all users of the transportation system toward meeting Zero Deaths Maryland**
 - A. Continue to coordinate with MDOT and local agencies to improve roadway and transit safety through performance-based planning and programming.
 - B. Adopt relevant state and local plans that seek to reduce transportation-related injuries and fatalities.
 - C. Improve traveler safety in all modes through traffic and transit system management and operations techniques.
 - D. Eliminate hazardous or substandard conditions in high crash locations and corridors (all modes).

Goals and Strategies: Improve System Safety

- **Improve System Safety:**

E. Improve conditions to enable pedestrians and bicyclists to travel more safely on a day-to-day basis, including safe interactions with users of other modes and safe access to transit stations and stops.

F. Support research into better understanding the causes of bicycle and pedestrian crashes and injuries to promote more effective countermeasures.

G. Educate all travelers of all modes on safe travel techniques.

Project Scoring Criteria

- Project scoring composed of two elements:
 - Policy Score (up to 40 points)
 - Priority Score:
 - High Priority (up to 5 projects): 30 points
 - Medium Priority (up to 4 projects): 20 points
 - Low Priority (unlimited): 10 Points
 - Demonstrated Financial Support: 10 points
 - Technical Score (up to 50 points) for transit and highway:
 - Safety
 - Accessibility
 - Mobility
 - Environmental Conservation
 - Security
 - Economic Prosperity

Goal: Safety
Mode: Highway
Max points: 10

- Prior criteria and justification for updates:
 - 3-year crash trends weighted by crash severity
 - Projects in areas with higher crash severity awarded more points
 - Cons to this approach:
 - LRTP projects are often completed years or decades in the future
 - Fails to account for safety countermeasures built into the project
 - Doesn't align with local or state Strategic Highway Safety Plan (SHSP) emphasis areas
- New Criteria:
 - Emphasizes regional focus areas/State SHSP emphasis areas
 - Incorporates impacts to EJ areas
 - Increases max points from 5 to 10

Goal: Safety
Mode: Highway
Max points: 10

- Highway Safety Scoring: 10 points max
 - Identifies SHSP emphasis area(s)/strategy(s) addressed = 2 points
 - Project includes countermeasures anticipated to benefit EJ areas = 2 points
 - Project identifies countermeasures addressing the following SHSP emphasis areas (max of 6 points):
 - Non-motorist safety = 6 points
 - Speeding = 4 points
 - Lane Departure for Impaired or Distracted Drivers = 2 points

Goal: Safety

Mode: Transit

Max points: 10

- Prior criteria and justification for updates: NA
- New Criteria added for transit providing same max points as highway:
 - Degree to which the project improves **Transit Safety** (5 points max), with features such as:
 - Rehabilitation of facilities, infrastructure, and vehicles to improve safety (eliminating at grade pedestrian crossings; installation of flashing light signals, etc.)
 - Adding ADA accessible stations and stops
 - Promoting safe pedestrian and bicycle transit access to bus stops, transit hubs, etc.
 - Degree to which the project improves **Transit Security** (5 points max), with features such as:
 - Installation of CCTV at stations and on vehicles
 - Application of Crime Prevention through Environmental Design
 - Lighting improvements

Goal: Safety

Mode: Transit

Max points: 10

- **Transit Safety Scoring: 5 points max**
 - Project designed to specifically improve system safety for all users and/or addresses an existing safety deficiency, and occurs within an EJ area = 5 points
 - Project designed to specifically improve system safety for all users and/or addresses an existing safety deficiency = 4 points
 - Project will generally result in a safety improvement for users, and occurs within an EJ area = 3 points
 - Project will generally result in a safety improvement for users = 2 points
 - Project will have no discernible positive effect on system safety = 0 points
- **Transit Security Scoring: 5 points max**
 - Project designed specifically to deter crime and/or enhance system security for all users and/or staff = 5 points
 - Project will generally result in a security improvement for users and/or staff = 3 points
 - Project will have no discernible positive effect on system security = 0 points

Resilience2050 Websites

- Resilience2050.com
- Publicinput.com/Resilience2050
- Publicinput.com/Resilience2050goals

Thanks!

*Zach Kaufman
Senior Transportation Planner
Baltimore Metropolitan Council
zkaufman@baltometro.org
410-732-0500 x 1048*

