



MEMORANDUM

TO: Transportation Planning Board 2024 Regional Roadway Summit Attendees
FROM: Janie Nham, TPB Planning Manager, Safety and Systems Performance Analysis
John Swanson, TPB Program Manager
SUBJECT: Review of Regional Roadway Safety Program (RRSP) Projects
DATE: October 31, 2024

As part of its Resolution R3-2021, TPB initiated the Regional Roadway Safety Program (RRSP) in 2020 to provide support to member jurisdictions and agencies to develop and/or implement projects, programs, or policies to equitably improve safety outcomes for all roadway users.

The RRSP is focused on providing short-term consultant services to member jurisdictions or agencies to assist with planning or preliminary engineering projects that address roadway safety issues. The program is designed to help jurisdictions quickly move toward implementation of projects that can directly save lives and reduce injuries.

To date, the program has funded 28 projects (22 complete at a cost of about \$1.3 Million and 6 underway at a cost of \$480,000), which are summarized below. For more information on the projects, including links to final reports, see our database at:

www.mwcog.org/transportation/planning-areas/land-use-coordination/tlc-program/tlc-grant-database/.

Below is a listing of the 28 RRSP projects accomplished or underway to date. They are grouped into five categories: Bike/Pedestrian Connectivity and Safety; Corridor Safety Improvements; Local Safety Planning (jurisdiction-wide); Safety Education; and Safety Guidelines & Standards.

BIKE/PEDESTRIAN CONNECTIVITY & SAFETY

- **Roadway Safety Audits and Design Recommendation for High Injury Network**
Prince George's County, 2021
Conducted roadway safety audits and provided design recommendations to support pedestrian and bicyclist safety on several county-maintained roadway segments.
- **Improving the Capabilities and Availability of a "Pedestrian and Cyclist Safety Analytics Application"**
City of Alexandria, 2022
Enhanced existing "near miss" data collection tool in anticipation of expanding tool capability to include predictive crash analytics. Joint project between the City of Alexandria and non-profit Northern Virginia Families for Safe Streets.

- **Harrison Lane Corridor Pedestrian Improvements**
Fairfax County, 2022
 Identified and designed pedestrian treatments at four intersections along the Harrison Lane Corridor to improve pedestrian safety and slow vehicle speeds.
- **South Washington Street Planning Opportunity Area Pedestrian Network**
City of Falls Church, 2022
 Assessed existing pedestrian network in Falls Church's South Washington Street Corridor Planning Opportunity Area to identify deficiencies and safety risks in the pedestrian network.
- **Duke Street at S. Patrick and S. Henry Streets Safety Improvements**
City of Alexandria, 2023
 Developed design improvements at two Duke Street intersections to address pressing safety concerns.
- **Roadway Safety Audits for Wheeler Road & Brooks Drive**
Prince George's County, 2023
 Conducted roadway safety audits and provided design recommendations to support pedestrian and bicyclist safety on portions of Wheeler Road and Brooks Drive.
- **Multimodal Upgrades to Walker Mill Road**
Prince George's County, 2023
 Studied a segment of Walker Mill Road to determine the optimum bicycle and pedestrian facilities in anticipation of the buildout of the northern parcel of Walker Mill Regional Park.
- **Beall Avenue Protected Intersections Feasibility Study**
City of Rockville, 2023
 Identified safety countermeasures for intersections on Beall Avenue and developed concept designs.
- **Bel Pre Road Safety Improvement Project**
Montgomery County, 2024
 Conducted preliminary engineering for safety improvements, including safety countermeasures that target vehicular speeding and unsafe pedestrian crossings.
- **S. George Mason Drive and S. Four Mile Run Drive Intersection Alternatives Analysis**
Arlington County, 2025
 Evaluate the feasibility of two alternative designs for a complex intersection identified as a County Vision Zero Hot Spot.

CORRIDOR SAFETY IMPROVEMENTS

- **Herndon Parkway Complete Street Safety Improvements**
Fairfax County (Town of Herndon), 2021
 Prepared a Complete Street multimodal design that provides safer infrastructure for pedestrians, bicyclists, drivers and transit users.

- **Bowie Road Roadway Safety Audit**
City of Laurel, 2021
 Conducted a roadway safety audit to eliminate safety hazards along the Bowie Road corridor.
- **MD 650 High Injury Network Safety Study and Design**
Montgomery County, 2021
 Conducted a roadway safety audit and designed selected recommendations for safety improvements along MD 650 (New Hampshire Avenue) in Montgomery and Prince George's Counties.
- **Graham Park Road Safety Improvements Road Diet and Roundabout**
Prince William County, 2022
 Provided preliminary engineering for a road diet along Graham Park Road and a roundabout at its intersection with Old Triangle Road.
- **Main Street Corridor Roadway Safety Audit**
City of Fairfax, 2024
 Conducted a roadway safety audit of Main Street to prioritize safety issues and identify potential engineering, enforcement, and educational strategies that improve multimodal safety.
- **Jefferson-Patrick Redesign Study**
City of Frederick, 2024
 Developed designs to improve safety at a five-way intersection at S. Jefferson Street, Prospect Boulevard, and Pearl Street. In addition, provided designs for three main corridors to enhance walkability, bikeability, and safety.
- **Darbydale/Forestdale Avenue Corridor Retrofitting Project**
Prince William County, 2024
 Prepared designs to retrofit safety countermeasures in the Darbydale/Forestdale Avenue corridor, and to use the project as a model for retrofitting other older roadways.
- **Seminary Road Safety Improvements**
City of Alexandria, 2025
 Develop conceptual designs for safety improvements which may include new crosswalks, lane modifications, sidewalk improvements, and bus stop improvements.
- **Wilson Boulevard Safety Improvements**
City of Falls Church, 2025
 Develop conceptual design plans for multimodal improvements for a corridor that has experienced serious crashes.
- **Jefferson Street Engineering**
City of Frederick, 2025
 Develop 30% designs to provide multimodal safety improvements along Jefferson Street where a crash occurred every 45 days between 2019 and 2024.

- **Randolph Road Safety Improvement Project**
Montgomery County, 2025
Develop preliminary engineering designs for safety improvements including corridor access management, lane width reduction, improved pedestrian crossings, and ADA compliance.

LOCAL ROADWAY SAFETY PLANNING (JURISDICTION-WIDE)

- **Local Roadway Safety Plan - Identifying, Analyzing and Prioritizing Roadway Safety Improvements**
City of Gaithersburg, 2024
Developed a Local Road Safety Plan (LRSP) that provides a framework to guide roadway safety improvements in the city.

SAFETY EDUCATION

- **Planting Seeds for Regional Roadway Safety, One Traffic Garden at a Time**
Arlington County/Prince George's County, 2022
Developed traffic garden layout and tool kit with templates for implementation of school-based traffic gardens.
- **Regionwide, Data-Driven Anti-Drunk Driving Campaign**
Arlington County, 2024
Evaluated regional alcohol-related crash patterns and factors, and researched successful strategies that reduce impaired driving. Recommendations will be used for education purposes and to foster a consistent anti-drunk driving message across the region.

SAFETY GUIDELINES & STANDARDS

- **School Zone Speed Camera Guidelines**
Arlington County, 2021
Developed guidelines to help identify, prioritize, and implement speed cameras in school zones.
- **Pedestrian Lighting Improvements Study**
City of Alexandria, 2024
Evaluated lighting best practices, identified and evaluated priority areas for lighting improvements, and developed recommendations for improvements.
- **Pedestrian Crossing Guidelines**
City of Rockville, 2024
Developed a set of guidelines to help city staff identify and implement pedestrian crossing treatments as part of its Vision Zero program.
- **Study of Proactive Approaches to Transportation Safety**
Prince George's County, 2025
Study methods for collecting, analyzing, and using data related to “near miss” crashes.