



Montgomery Planning | Functional Planning and Policy Division

01/28/2020

# Vision Zero Briefing

to the Montgomery County Council





# Presentation Topics

- I. Planning Department's Vision Zero Work Plan
- II. Predictive Safety Analysis
- III. Planning Department's 2019 Vision Zero Work Items

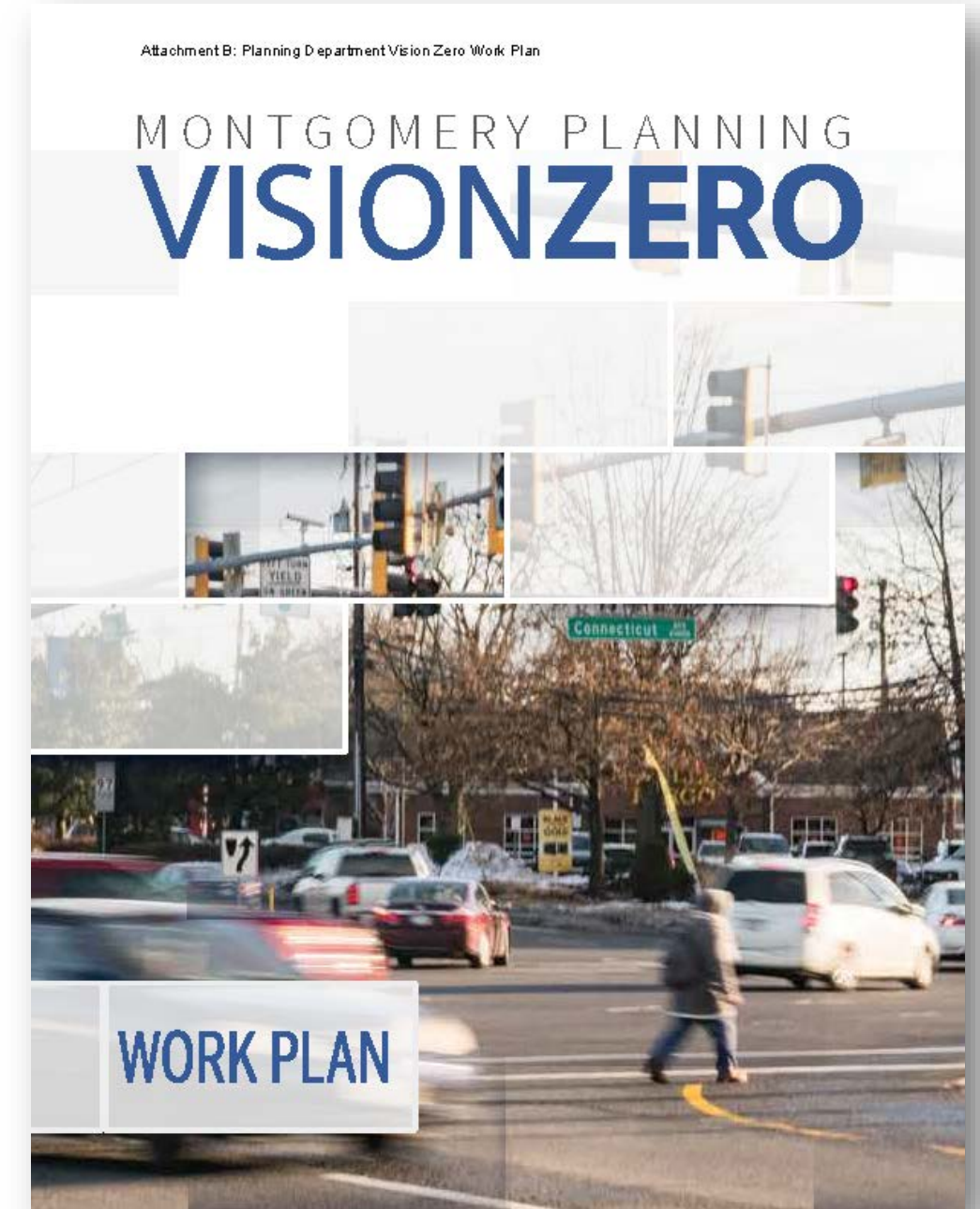
# I. Planning Department's Vision Zero Work Plan

# Planning Department's Role in Vision Zero

- Master planning
- Development and capital project review
- Data analysis
- Community engagement

# Planning Department's Work Plan

- Building Knowledge & Collaborative Partnerships
- Problem Verification
- Develop Solutions
- Incorporate Solutions into the Work Program
- Resource Summary



4 to 19

# Building Knowledge & Collaborative Partnerships

Develop a Vision Zero Toolkit for Community Organizations	
<b>Lead:</b> Vision Zero Coordinator	<b>Support:</b> Communications Team, Transportation Planners
<p><b>Action:</b> Collaborate with Montgomery County to develop a toolkit for community organizations and community members to build a systematic understanding of Vision Zero and provide resources for advocating on behalf of Vision Zero through participation in master plan development, regulatory review and capital project review / budgeting. Toolkit can be translated into multiple languages and may include:</p> <ul style="list-style-type: none"><li>• Educational letters and flyers.</li><li>• Presentation talking points.</li><li>• Video that explains Vision Zero in an approachable way.</li><li>• Yard signs to build awareness of Vision Zero (with messaging such as “20 is Plenty”).</li><li>• Residential testimonials.</li><li>• Walk audit checklists.</li></ul>	
<p><b>Justification:</b> To ensure that community leaders have the resources they need to develop a Vision Zero constituency and to educate other community members about Vision Zero.</p>	
<p><b>Resources:</b> Communications support</p>	
<p><b>Timeline:</b> Short Term</p>	



# Problem Verification

<b>Develop Safety Performance Factors</b>	
<b>Lead:</b> Vision Zero Coordinator	<b>Support:</b> Functional Planning and Policy Division
<b>Action:</b> Develop Safety Performance Factors (SPF) for common crash types involving severe and fatal injuries. SPFs are equations used to predict the average number of crashes per year at a location as a function of exposure and roadway characteristics.	
<b>Justification:</b> Data analysis will help Montgomery Planning prioritize master plan and regulatory recommendations and to provide comments on the capital budget and capital projects.	
<b>Resources:</b> Severe and Fatal Crash Dataset, Estimate of Pedestrian, Bicycle and Motor Vehicles Volumes Countywide and the GIS Layers of Variables Hypothesized to be Correlated with Severe and Fatal Crashes.	
<b>Timeline:</b> Short Term	

# Develop Solutions

Develop Complete Streets Design Guide / Roadway Functional Classification Study	
Lead: M-NCPPC and MCDOT	Support: DPS
<p><b>Action:</b> This project has two main elements:</p> <ul style="list-style-type: none"><li>• A Complete Streets Design Guide to design and operate roads to provide safe, accessible and healthy streets for all users of our roadway system in support of the County's Vision Zero policy, and</li><li>• A replacement for Montgomery County's roadway functional classification system that organizes categorizes streets based on how they are used by people and their land use context, rather than the current approach that largely organizes street based on how vehicles use them.</li></ul>	
<p><b>Justification:</b> Montgomery County's road design standards are out of date.</p>	
<p><b>Resources:</b> Consultant Support</p>	
<p><b>Timeline:</b> Ongoing</p>	



# Incorporate Solutions into Work Program

Incorporate Vision Zero into Master Plans	
<b>Lead:</b> Vision Zero Coordinator	<b>Support:</b> Transportation Planners, Community Planners, Design and Communication Staff
<p><b>Action:</b> Based on the analysis conducted in the Problem Verification section, incorporate Vision Zero into master plans areas through these items:</p> <ul style="list-style-type: none"><li>• Collect pedestrian, bicycle and motor vehicle volume data at signalized and unsignalized crossings and mid-block crossings and speed data for specific master plans.</li><li>• Create a more refined evaluation of the master plan area:<ul style="list-style-type: none"><li>○ Roadway characteristics conducted in the problem verification section to identify safety issues.</li><li>○ High-priority areas such as schools, libraries, major transit stations and other public facilities for the ability to walk and bicycle comfortably.</li></ul></li><li>• Develop a master-planning toolkit to address common transportation safety issues.</li></ul>	
<p><b>Justification:</b> Master-planning provides an effective means of re-envisioning development patterns and the transportation system to create a safe transportation network.</p>	
<p><b>Resources:</b> Consultant Support</p>	
<p><b>Timeline:</b> Medium Term</p>	

# Resource Summary

Action	Section	Resources	Timeline	Applicable Projects and Initiatives	Level of Effort
Develop a Vision Zero Toolkit for Community Organizations	Building Knowledge	Communications Support	Short Term	No	**
Engaging Hard-to-Reach Communities	Building Knowledge	Communications Support	Ongoing	No	***
Educate Community Members, Agency Staff and Appointed/Elected Officials	Building Knowledge	Communications Support	Ongoing	No	***



# II. Predictive Safety Analysis

# Overview

- Typical crash analysis is reactive
- Predictive safety analysis adds a proactive element
- Will support development of Vision Zero Ten-Year Action Plan



# III. Planning Department's 2019 Vision Zero Work Items

# Vision Zero Work Items in 2019

- Hired a Vision Zero Coordinator
- Plans and Studies
  - Veirs Mill Corridor Master Plan
  - MARC Rail Communities Sector Plan
  - Forest Glen / Montgomery Hills Sector Plan
  - Pedestrian Master Plan
- Other Work Items
  - Aspen Hill Vision Zero Study
  - Pedestrian Level of Comfort Map
  - Complete Streets Design Guide

