



Department: PW - Traffic & Transportation  
Responsible Staff: Bryan Barnett-Woods

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## Subject

Vision Zero Update

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## Recommendation

Staff recommends that the Mayor and Council receive an update on the Vision Zero Action Plan and the Bikeway and Pedestrian Master Plans.

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## Discussion

This is the seventh Vision Zero quarterly report for the Mayor and Council and provides a status update for each of the Vision Zero action items after one and three-quarter years since the adoption of the Vision Zero Action Plan on July 6, 2020. The update represents progress made on action items during the third quarter of FY 22, roughly during the period between January 1, 2022, and March 31, 2022. While no new action items were completed over the quarter, ongoing work such as organizing, scheduling, researching, materials development, engagement, budget development and other efforts have taken place.

This memorandum includes a summary of the progress made on several action items, coordination efforts within City staff from different departments, and engagement with external groups and agencies. It also provides an update on the status of both the Bikeway Master Plan and the Pedestrian Master Plan.

Staff does not presently recommend any revisions to the Vision Zero Action Plan timeline.

### **Summary of Action Item Progress:**

The Progress Table (Attachment A) shows the status and progress of each action item since the plan's adoption. These action items are also identified in the Action Plan timeline (Attachment B).

Below is a summary of progress made on several Vision Zero action items:

#### 1. Crash Analysis / Predictive Analysis

The initial crash analysis was completed in October 2021. This analysis includes the 89 serious injury and fatal crashes that occurred during the five-year period between January 1, 2016, and December 31, 2020. Through this analysis, staff has identified a "high-injury network" which

includes road segments with at least five or more serious injury and/or fatal crashes during this period. All segments in the high-injury network are on State-maintained roadways. A new analysis, using crash data between January 2017 and December 2021, will be completed in the fall of this year. Regularly updating the crash analysis will help identify crash trends over time. Additionally, staff has used the results of this analysis, as well as updated crash data, to identify City and State intersections for further Vision Zero improvements.

Additionally, the Vision Zero survey is still up and open to new respondents submitting information about their perceptions of traffic safety within the city. City staff added a “near-miss” questionnaire to the Vision Zero website in December 2021. This questionnaire is used for residents or visitors who encounter a “near-miss” crash. Since these incidents are difficult to track without comprehensive reporting, this tool allows residents to share their experience and highlight some of the issues that people experience while traveling. Both the Vision Zero survey and Near Miss questionnaire results will be included in the annual crash analysis.

Furthermore, the Maryland-National Capital Park and Planning Commission (M-NCPPC) Montgomery County Planning Department is currently developing a “Predictive Analysis.” A draft of the predictive analysis was shared with City Staff and its findings will be included in the next Crash Analysis report.

## 2. Update City Road Design Standards

Staff continue to review the existing road design standards. Staff has already updated six standards, including secondary and primary residential streets and is in the process of reviewing necessary changes for industrial and arterial roads. Changes include requiring minimum five-and-six-foot-wide sidewalks as appropriate and providing standards language requiring bicycle facilities consistent with the master plan. It is expected that this action item will be completed on schedule.

## 4. Evaluate Crossings and Unsignalized Intersections

Using the completed crash analysis and the most recent Pedestrian Safety and Accessibility Evaluation Study, Department of Public Works staff has identified a list of priority crossing and unsignalized intersections for potential modification (attachment C). This objective has been completed on schedule. Concurrent with Action item #6, Improve Traffic Signals, next steps in this task include evaluating the individual intersections for potential safety improvements.

Staff will send a letter to the Maryland Department of Transportation (MDOT) requesting safety audit reviews of these key intersections.

## 5. State/Montgomery County/City Project Collaboration

City staff continue to regularly meet and coordinate with staff from MDOT State Highway Administration (SHA), Montgomery County Department of Transportation (MCDOT), and M-NCPPC Montgomery County Planning Department. MDOT SHA has recently submitted an intersection audit for the Veirs Mill Road (MD586) and Atlantic Avenue intersection, proposing safety improvements. Staff supports the proposed improvements and indicated support for MDOT SHA to move forward. Additionally, City staff has identified State-maintained intersections and drafted a letter requesting intersection audits of the listed intersections. At the most recent coordination meeting, staff implored MDOT SHA to identify a plan to study and assess these intersections.

#### 6. Improve Traffic Signals

Using the crash analysis and updated crash data, City Staff has identified a priority list of intersections where injury or fatal crashes have occurred. It is expected that this action item objective will be completed on time. Concurrent with Action Item #4, Evaluate Crossings and Unsignalized Intersections, next steps in this task include evaluating the individual intersections for potential safety improvements.

Staff will send a letter to the Maryland Department of Transportation (MDOT) requesting safety audit reviews of these key intersections.

#### 7. Accelerate Sidewalk Construction

Using prioritization variables suggested and supported by the Rockville Pedestrian Advocacy Committee (RPAC), resident-submitted petitions, and review for geographic equity, City staff continues to advance sidewalk construction projects and has proposed a list of twenty sidewalks gaps (attachment D). Staff will use this updated prioritization to identify future projects and evaluate sidewalk gaps for feasibility. It is expected that this objective will be completed on schedule.

Furthermore, the Mayor and Council approved an additional \$600,000 for the sidewalk capital improvement program and an additional \$200,000 for pedestrian safety during the April 18, 2022, meeting. These funds will supplement the current sidewalk work construction program.

#### 8. Create Pedestrian Master Plan

Staff continues to work on development of the Pedestrian Master Plan, which is discussed in detail below.

#### 9. Expand Network of Safe Bicycle Facilities

Staff continues to work on expanding bicycle facilities throughout the city, which is discussed in detail below as part of the Bikeway Master Plan implementation.

#### 11. Explore Expanding Automated Enforcement

The Rockville City Police Department continues to carry out automated traffic enforcement through the existing contract. This includes the use of 10 red light cameras, 6 fixed pole speed monitoring system (SMS) cameras, 2 mobile units, and 9 portable SMS cameras. The City's speed cameras are limited to school zones and residential districts. There are no similar restrictions to red light cameras.

The automated enforcement contract that is used in the city is a ride-on contract with Montgomery County. Montgomery County has recently signed a new long-term contract for automated enforcement services. RCPD is currently working on an agreement with the service provider to ride on the new Montgomery County contract.

RCPD is planning to attend the May, 2022 RPAC meeting to discuss the existing framework and details of the existing automated enforcement program.

#### 12. Expand Traffic Law Enforcement and Distracted Driving Detection Program

The Rockville City Police Department continues to use funds from the FY22 Maryland Highway Safety Office grants for Impaired Driving, Distracted Driving, and Speed Enforcement to target unsafe driving behaviors. These enforcement efforts are carried out in different "waves" throughout the year to address traffic trends, e.g., there is a wave to target impaired driving during the holiday season. The Police Department has applied for the FY23 Maryland Highway Safety Office grants for Impaired Driving, Distracted Driving, and Speed Enforcement. The grant is currently under review.

#### 16. Create Comprehensive Outreach Strategy

Department of Public Works staff continues to coordinate with the Public Information Office staff to ensure regular updates and outreach regarding the Vision Zero program. Over the past quarter, this has included updates about shared roadways, advertisements for the new Pedestrian Master Plan website, and for the Vision Zero "Near-Miss" questionnaire.

Additionally, a Rockville Reports article for Complete Streets and reduced illegal speeding was submitted and is expected to be in the May/June 2022 newsletter.

#### 17. Join Montgomery County on Safe Routes to School Activities

City staff has coordinated with Ritchie Park and Beall Elementary Schools to provide outreach materials and Rockville Vision Zero branded lights to students participating in Bike and Roll to School Day, May 4, 2022. This annual event provides a Safe Routes to School (SRTS) encouragement activity for students and their parents to experience bicycling to school. Furthermore, staff has coordinated with the Montgomery County SRTS Coordinator to introduce the program to the Rockville Bicycle Advisory Committee (RBAC) and the Traffic & Transportation Commission.

#### 20. Training in the Community

City staff has coordinated with MCDOT, the Department of Recreation and Parks, and RBAC, to prepare for the annual Bike to Work Day, May 20, 2022. Bike to Work Day is a national day to celebrate and encourage residents and employees to ride a bicycle to (or at) work. The event provides an opportunity to share with residents City programs, plans and opportunities to get involved in the community. In addition to bicycle maps and t-shirt, the City will be handing out Rockville Vision Zero branded rear-bicycle lights.

### 23. Change Policies, Regulations, and Laws

Staff continues to evaluate the City's existing policies and practices to identify changes that would support Vision Zero, which include the Complete Streets Policy, Sidewalk Prioritization Policy, Synthesis of Pedestrian Policies, and the Guidelines for Neighborhood Traffic Management. These policies and potential updates will be referenced in the Pedestrian Master Plan. Staff has also been coordinating with other City staff, as well as with RPAC, RBAC and the T&T Commission, to provide comments for supporting ongoing and new statewide policies to support Vision Zero.

### 25. Create Vision Zero Webpage

The City's Vision Zero webpage is an active page on the City's website. The "Near-Miss" questionnaire was added in December 2021 to solicit responses from residents and visitors who have experienced a near-miss incident. Additionally, the most recent Vision Zero update, timeline, and progress charts have been added. The May 2022 update, timeline, and progress chart will also be added to the website once reviewed by the Mayor and Council. Lastly, recently-completed and ongoing pedestrian, bicycle, and Vision Zero projects have been added to the website along with photographs of completed projects. The project list and photographs will be updated as more recent projects are completed. It is expected that as more projects begin implementation in warmer months, more photos will be added.

Staff is also coordinating with the Public Information Office to create a "Bang-the-Table" website for Vision Zero. This software allows for additional levels of interaction with the public if necessary, and includes a framework that is more supportive of providing additional reports, links, and materials.

### 26. Publish Collision Data

Collision data is collected through the Automated Crash Reporting System (ACRS) and is updated weekly online through the data-Montgomery website (<https://data.montgomery-countymd.gov/>). This includes crash incident data, driver data, and non-motorist data for property damage crashes, injury crashes, and fatal crashes. Links to this data are included on the City of Rockville Vision Zero web page.

### **Pedestrian Master Plan Update:**

Staff continues to make progress on the Pedestrian Master Plan, Vision Zero Action Item #8. In coordination with RPAC and a RPAC Pedestrian Master Plan subcommittee, staff has reviewed existing City policies that impact pedestrian transportation. This includes a detailed review of

the Synthesis of Pedestrian Policies, the Sidewalk Prioritization Policy, the Complete Streets policy, and the Guidelines for Neighborhood Traffic Management. Staff recommends that this planning process be used to update these existing policies, as well as propose new policies related to “pedestrian priority areas” in which existing level of service, traffic volume, and traffic calming practices are refined to prioritize pedestrian travel. Staff is currently working to collect additional public comment via a public meeting.

Additionally, the Pedestrian Master Plan project webpage (<https://engagerockville.com/pedestrian-master-plan>) is active and provides opportunities for residents and visitors to learn about the project, submit ideas and questions, and provide comments through an interactive map and survey. There have been 194 survey responses and 42 location comments submitted so far. The input received through the website will be reviewed, considered, and incorporated as appropriate into the master plan draft. The expected timeline for the master plan is as follows:

Spring and Summer 2022: Plan drafting

Fall 2022: Public meeting, community outreach, and Planning Commission review

Spring 2023: Presentation to Mayor and Council

Summer 2023: Plan approval and finalization

Next steps for this project include the ongoing outreach and solicitation of recommendations and comments for residents and visitors, and developing an initial draft of the plan to share with RPAC, RBAC and the T&T Commission.

#### **Bikeway Master Plan Update:**

The Vision Zero Action Plan has set a goal of building all bike facilities proposed in the City’s Bikeway Master Plan (BMP) by 2028 (action item #9). City staff continues to build and place shared-roadway bicycle signage throughout Rockville. Staff has reviewed the BMP shared roadway recommendations to identify the next set of streets that will have posted signs and shared-roadway pavement markings. Additionally, staff has coordinated with RBAC to prioritize the bicycle lane projects that are recommended in the BMP. This list has been completed (attachment E) and next steps include evaluating individual bike lane recommendations for feasibility and design.

#### **Internal Staff Coordination:**

Staff from Rockville’s Police Department, Public Information Office, and the Department of Public Works meet quarterly to discuss the status of individual action items and coordinate on how to accomplish Vision Zero goals within the city. The Vision Zero Task Force serves as the first point of partnership between the City’s departments. From this task force, working groups for engineering, education/outreach, and enforcement were formed to focus on completing specific action items.

Engineering: The crash analysis has identified 6 roadway segments as part of the “High Injury Network,” which are defined as road segments with at least five fatal and/or serious injury

crashes within the 2016-2020 data set. All of these road segments are along state-maintained roadways. There are five additional segments that are part of a "Multiple Incident Network," which includes road segments with two-to-five fatal and/or serious injury crashes. Of these segments, four are City-maintained and one is state-maintained. Staff uses this information to identify priority intersections that should be the subject of future improvements consistent with Action Items #4 and 6. Staff also uses this information to share with MDOT SHA and to request further review of intersections along these segments.

Additionally, staff has already updated the roadway cross section standards for six different roadway types. Staff will continue to update the remaining four cross sections.

Education/Outreach: The Public Information and Community Engagement Division continues to educate the community at large about Vision Zero principles and process, which will highlight ongoing City engineering, enforcement, and education efforts, and include ways the community can be involved in the process. Staff continues to coordinate with the PIO office to update language of social media posts and website materials, share useful traffic safety tips with the public, and share traffic safety-related articles for Rockville Reports. Lastly, this element includes collaboration with Montgomery County and public schools to carryout transportation safety education with students; this has been impacted by COVID-19 and the remote learning which took place over the 2020-2021 academic year and intermittently continues. Staff has met with the Montgomery County SRTS Coordinator to learn about County efforts for safe routes programming and opportunities to work in Rockville schools. RBAC has been coordinating with the SRTS coordinator and working to pilot a bicycle education program at Beall Elementary School. Furthermore, the City and County are both supporting elementary school efforts for the upcoming Bike to School Day.

Enforcement: Transportation safety remains a priority for the RCPD. Some limitations exist due to the Covid-19 pandemic for both the RCPD, as well as the court system. As a result, some tasks are not being conducted at pre-COVID levels. Nevertheless, RCPD has been diligent about focusing enforcement details on specific areas of the city, using grant funds for additional enforcement efforts, and promoting safe driving and pedestrian behaviors of RCPD employees through training, when applicable. Patrol teams and the traffic unit continue to focus efforts on specific locations and issues based on collision data, known trouble spots, and community complaints. The RCPD coordinates with RPAC to develop a monthly crash report which highlights all crashes over the past month. This report is shared with RPAC, RBAC, the T&T commission and among RCPD officers. As new outreach materials are developed, staff will coordinate with RCPD to ensure consistency with RCPD messaging and to distribute as necessary.

#### **Coordination with Other Groups:**

This Action Plan requires aligning policies and practices at all levels of government (City, County, and State) and across City commissions and committees, making safety the highest priority for all roadways.

The Traffic and Transportation Commission, the Rockville Bicycle Advisory Committee (RBAC), and the Rockville Pedestrian Advocacy Committee (RPAC): The Traffic and Transportation Commission has been kept up to date about the City's Vision Zero efforts. RBAC and RPAC have also participated in action items #7, 8 and 9, to help identify priority pedestrian and bicycle facilities throughout the city. Staff meets with these groups monthly and provides project briefing and status updates, including updates from Vision Zero related projects.

Montgomery County: Staff continues regular communication with the Montgomery County Department of Transportation and the M-NCPPC Montgomery County Planning Department, both of which include their own Vision Zero coordinators. Staff discuss ongoing projects including Vision Zero messaging and outreach, sidewalk maintenance and construction efforts, crash data and prediction analyses, and the bus rapid transit project.

Maryland State Highway Administration (SHA): Staff works closely with MDOT SHA and the County to ensure that we all have a consistent approach to transportation safety. Additionally, staff submits traffic safety, lighting, and sidewalk repair requests along state roadways and at State-controlled intersections for review by the MDOT Office of Traffic Safety and Office of Highway Development. Staff received the intersection audit for Veirs Mill Road (MD 586) and Atlantic Avenue and plans to submit requests for new intersections. City staff will continue to coordinate with MDOT SHA.

Metropolitan Washington Council of Government (MWCOC): Coordination with MWCOC allows the City to learn and connect with other jurisdictions in the region who face similar obstacles and challenges related to transportation safety. Staff attends the Bicycle and Pedestrian Subcommittee of MWCOC, as well as other subcommittees, to promote walking and bicycling events such as Car Free Day and Bike to Work Day. These committees offer valuable peer learning opportunities for Vision Zero from jurisdictions throughout the region, including Prince George's County, Arlington County, Washington DC, Loudoun County, and Montgomery County. Staff has also submitted two grant applications to MWCOC to study the feasibility of two separate Complete Streets projects in the city.

The City has also received \$60,000 funding for a feasibility study to analyze a Complete Streets project along Fleet and Monroe Streets as part of MWCOC's Transportation-Land Use Connections program.

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## **Mayor and Council History**

The Mayor and Council adopted a resolution endorsing the development and adoption of a Vision Zero Policy for the City of Rockville on October 15, 2018. Staff provided a presentation and received guidance from the Mayor and Council on the Vision Zero Action Plan on May 4,

2020, and on June 22, 2020. The Mayor and Council Adopted the Vision Zero Action Plan and Action Plan Timeline on July 6, 2020. Mayor and Council has received quarterly updates from staff since November 2020.

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### **Boards and Commissions Review**

Staff worked with the Traffic & Transportation Commission, RBAC, RPAC, and the Senior Citizens Commission on the review of Vision Zero Action Plan. All groups are regularly informed on the progress of implementing the action items.

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### **Next Steps**

Staff will continue to work on Vision Zero action items per the action item timeline. The next update will be presented to the Mayor and Council in late September or early October 2022. The report will consist of a written progress summary, the action item timelines and an updated action plan progress chart. Staff will continue to focus on the Pedestrian Master Plan, and to advance sidewalks and bicycle lane projects.

### **Attachments**

- Attachment A - Action Items Progress Chart - 5-2-2022 (PDF)
- Attachment B - Action Items Timeline - 5-2-2022 (PDF)
- Attachment C - Intersections (PDF)
- Attachment D - Sidewalks (PDF)
- Attachment E - Bicycle Lane Priorities (PDF)

City of Rockville

Vision Zero Action Plan Progress Chart - May 2022 Update

Action Item	End Date	Objective	Status	Notes
<b>1. Crash Analysis / Predictive Analysis</b>	7/1/2021	Complete the crash analysis and identify areas in the HIN.	Completed	<p>Staff has completed the first crash analysis, which covers serious injury and fatal crashes between 01/01/2016 and 12/31/2020 for all traffic modes - motorist, bicyclists, and pedestrian. This analysis also includes a review of Vision Zero Survey responses.</p> <p>Using the crash analysis, staff has identified the "High Injury Network" (HIN) which includes street segments that have had five or more serious injury or fatal crashes. There are six street segments within the HIN, all of which are maintained by Maryland State Highway Administration.</p> <p>Staff will provide an update to the crash analysis in fall of 2022 which will include serious injury and fatal crashes that occurred between 1/1/2017 and 12/31/2021.</p> <p>Montgomery County has developed a "Predictive Crash Analysis" that measures variables common to crash locations. This information will be included in subsequent crash analyses.</p>
	7/1/2022	Identify number of prioritized projects following the results of the crash analysis.	On-schedule	Transportation staff is using the results from the "Vision Zero Crash Data Analysis" to identify priority roadway safety projects.
<b>2. Update City Road Design Standards</b>	7/1/2021	Complete review of the City's existing road design standards.	Complete	Staff has reviewed the city's existing road design standards and has identified which standards need modification.
	7/1/2023	Develop and publish new/revised road design standards utilizing best practices.	On-schedule	Staff has modified and approved six different street standard cross sections. Four more street standard cross sections will be reviewed and modified as appropriate.
<b>3. Review Transit Stops</b>	7/1/2022	Complete comprehensive review of transit stops per the findings of the crash analysis.	On-schedule	<p>Staff continues to coordinate with Montgomery County and has shared GIS information so that our datasets are up to date. Montgomery County is conducting audits for bus stops in the vicinity of the fatal pedestrian crashes and shares results.</p> <p>Staff will establish a review procedure for transit stops if serious injury or fatal crashes occur in their proximity.</p>

City of Rockville

Vision Zero Action Plan Progress Chart - May 2022 Update

Action Item	End Date	Objective	Status	Notes
	7/1/2023	Evaluate the review process and develop a program for reviewing stops every five years.	On-schedule	Staff will update review process and develop criteria for review to be updated every five years.
4. Evaluate Crossings and Unsignalized Intersections	7/1/2022	Develop a list of priority crossings and intersections for modification per the findings of the crash analysis including; Identify all high-risk crossings within the city and increase the percentage of safe crossings and intersections using the number of severe and fatal collisions at crossings and intersections.	On-schedule	Using the crash analysis data, and the 2009 Pedestrian Safety and Accessibility study, staff has compiled a list of intersections within the City where multiple crashes have occurred over the past few years.
	7/1/2023	Apply best practices to improve safe crossings (such as bump-outs, medians, traffic control devices like paddles and rectangular rapid flashing beacons).	On-schedule	Staff will review priority intersections list and develop potential intersection improvements for feasibility analysis.
5. State/Montgomery County/City Project Collaboration	7/1/2022	Improve safety on roadways operated and maintained by SHA.	Ongoing	Staff meets with the State Highway Administration (SHA) and Montgomery County staff quarterly to discuss safety concerns on roadways owned/operated by SHA/County.
	Ongoing	Continue to advocate for identified project areas on roadways operated and maintained by SHA.	Ongoing	Staff requests project updates for all State and County maintained roadways within and bordering the City of Rockville. The crash data analysis indicated that many of the fatal or serious injury crashes occur on state maintained roadways.
6. Improve Traffic Signals	7/1/2022	Complete a review of traffic signals per the findings of the crash analysis.	On-schedule	Staff has compiled a list of intersections within the City where multiple crashes have occurred over the past few years. Staff will use this list, and an inventory of traffic signals to identify future improvements.  Staff will share the list of intersections that are not maintained by the City of Rockville with the appropriate agency for their information and further review.
	7/1/2023	Identify improvements and implement projects on signals owned/operated by the City and advocate for improvements that can lead us to better and safer experiences for all users at these types of intersections.	On-schedule	Using the intersection list, staff will identify potential improvements that can be implemented. Staff will also share the priority intersections list with Montgomery County and Maryland Department of Transportation State Highway Administration.

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Vision Zero Action Plan Progress Chart - May 2022 Update

Action Item	End Date	Objective	Status	Notes
<b>7. Accelerate Sidewalk Construction</b>	<b>7/1/2022</b>	Develop a list of high priority projects per the findings of the crash analysis.	<b>On-schedule</b>	Coordinating with the Rockville Pedestrian Advocacy Committee, staff has developed a list of priority sidewalk projects. Using this list, staff will review construction feasibility to advance sidewalk projects. Additionally, staff will continue reviewing sidewalk gaps not included in the initial list for feasibility.
	<b>7/1/2026</b>	Complete priority projects and expand the city's bicycle network by providing additional sidewalk.	<b>On-schedule</b>	Progress on this objective is on schedule to commence after development of the high priority projects list.
<b>8. Create Pedestrian Master Plan</b>	<b>7/1/2021</b>	Complete the review of the City's existing pedestrian policies.	<b>Complete</b>	Staff has reviewed the City's policies and documents related to pedestrian safety. These policies, and potential updates to these policies, will be referenced in the Pedestrian Master Plan.  RPAC and other engaged residents will be able to provide comments and feedback regarding existing policies for the Master Plan update.
	<b>7/1/2023</b>	Conduct public outreach, communication to stakeholder groups (such as the Rockville Pedestrian Advocacy Committee), and develop and present to the M&C a draft pedestrian masterplan.	<b>Ahead of schedule</b>	Staff established a series of discussion sessions/workshop opportunities with RPAC to establish a base line of expectations for the masterplan. Staff and RPAC drafted a mission statement and goals for the Pedestrian Master Plan.  Staff and RPAC have coordinated an RPAC sub-committee with the explicit purpose of reviewing Pedestrian Master Plan documents, data, policies, and recommendations.  A website for the pedestrian master plan is active ( <a href="http://www.engagerockville.com/pedestrian-master-plan">www.engagerockville.com/pedestrian-master-plan</a> ) and provides project information as well as an opportunity to comment through interactive digital tools. There have been 194 survey responses and 42 community map comments. The website will be available and updated regularly for the entirety of the project.  Staff continues develop policies and recommendations for the Pedestrian Master Plan. Once a

City of Rockville

Vision Zero Action Plan Progress Chart - May 2022 Update

Action Item	End Date	Objective	Status	Notes
9. Expand Network of Safe Bicycle Facilities	7/1/2022	Develop a list of high priority projects per the findings of the crash analysis, the guidelines of the Bikeway Master Plan and the consultation of stakeholder groups (such as the Rockville Bike Advisory Committee).	On-schedule	Coordinating with the Rockville Bicycle Advisory Committee, staff has developed a prioritized list of bike lane projects from the Bikeway Master Plan. Using this list, staff will determine feasibility for construction.
	7/1/2028	Complete priority projects and expand the City's bicycle network by providing additional linear feet of bicycle infrastructure.	Ahead of schedule	Staff continues to identify and install signage and pavement markings for shared roadways throughout the city. It is expected that 75% of the recommended shared roadways will be completed by the end of the year.
10. Increase Enforcement Activities	Ongoing	Develop the list of high-incident areas for collisions and violations associated with the crashes. Use multiple enforcement techniques to target and change behavior. The efforts will be ongoing and reevaluated when new crashes occur to ensure we continue to use resources in the most effective and impactful manner.	Ongoing	<p>The Rockville City Police Department continues to enforce traffic safety alongside other enforcement activities. They respond to traffic enforcement requests from the public and other city departments.</p> <p>Additionally, the traffic unit receives a copy of the monthly crash summary that is developed by the Rockville Pedestrian Advocacy Committee. RCPD analysts review this data, as well as other traffic requests, to review high-crash locations for additional enforcement.</p>

City of Rockville

Vision Zero Action Plan Progress Chart - May 2022 Update

Action Item	End Date	Objective	Status	Notes
<b>11. Explore Expanding Automated Enforcement</b>	Ongoing	Both speed and red-light cameras are a part of the ongoing and continued efforts at promoting safe driving in the city. These efforts will include maximizing the impact to driver behavior through placement of existing portable speed cameras, in line with violation and crash data, while ensuring the location is in compliance with legal statutes. When a new contract is executed with the vendor, RCPD will explore the feasibility of increasing the number of automated devices to be deployed at more locations, thus allowing for greater impact on driving behavior and promoting safe driving.	Ongoing	<p>The Rockville City Police Department continues to carryout automated traffic enforcement through the existing contract. This includes the use of 10 red light cameras, 6 fixed pole speed monitoring system (SMS) cameras, 2 mobile units, and 9 portable SMS cameras. of 17 automated cameras, 9 of which are mobile and moved throughout the city strategically to enforce lawful transportation. The City's speed cameras are limited to school zones and residential districts. There are no similar restrictions to red light cameras.</p> <p>The automated enforcement contract that is used in the city is a ride-on contract with Montgomery County. Montgomery County has recently signed a new long-term contract for automated enforcement services. RCPD is currently working on an agreement with the service provider to ride on the new Montgomery County contract.</p>
<b>12. Expand Traffic Law Enforcement and Distracted Driving Detection Program</b>	Ongoing	Develop the list of high-incident areas for collisions and violations associated with the crashes. Use multiple enforcement techniques to target and change behavior. The efforts will be ongoing and reevaluated when new crashes occur to ensure we continue to use resources in the most effective and impactful manner.	Ongoing	<p>RCPD applied for and received grant money for FY22 to perform additional enforcement targeting violations involving speed/aggressive driving, distracted driving, and impaired driving on the roadways in Rockville. These grant-funded details allow officers to specifically focus on traffic enforcement while the regularly-scheduled patrol team members respond to the calls for service.</p> <p>RCPD applied for the FY23 Maryland Highway Safety Office grants for Distracted Driving, Impaired Driving, and Speed Enforcement. The grant application is currently under review.</p>
<b>13. Collaboration with Court System</b>	Ongoing	Initial education of the judicial system to the Vision Zero efforts has already occurred. As cases go to court, officers will ensure that judges are aware of violations occurring in high-incident areas prior to a sanction for the violation being imposed.	Ongoing	Initial education of the judicial system regarding the Vision Zero efforts has already occurred. RCPD continues to notify judges when violations occur in high incident areas.

City of Rockville

Vision Zero Action Plan Progress Chart - May 2022 Update

Action Item	End Date	Objective	Status	Notes
<b>14. Enhance Police Driver Training</b>	ongoing	While not currently an issue for the Police Department, will monitor for any severe or fatal collisions involving police vehicles, and continue to identify and provide remedial driver training as needed.	Ongoing	The department continues to promote to employees the importance of modeling safe driving and pedestrian behavior. Every employee involved collision is reviewed to include an assessment of previous incidents if they exist. As applicable, employees are required to attend appropriate remedial driver training.
<b>15. Temporary Traffic Control Devices</b>	ongoing	Procure additional temporary traffic control devices as they are identified as being needed. Continue to partner with the County and State when additional devices are needed at crash scenes. This increased visibility and direction at incidents on the streets will reduce the number of severe or fatal collisions occurring on the roadway impacted by an unexpected event.	Ongoing	RCPD currently has portable stop signs, barricades and cones available to employees to aid in traffic control as necessary. RCPD uses these tools as necessary to direct traffic during crash incidents or other events.
<b>16. Create Comprehensive Outreach Strategy</b>	7/1/2021	Create a comprehensive outreach strategy for the general population.	Complete	Staff completed an outreach strategy and continues to coordinate with the Public Information Office to update outreach efforts regarding Vision Zero. This includes Rockville Reports articles about traffic safety and transportation projects; social media messages reminding residents and visitors to travel safety, and Vision Zero fact sheets providing information about the program.  Additionally, the Vision Zero website includes a "Vision Zero Survey" to solicit comments about the program and traffic safety in general, and a "Near-Miss Questionnaire" to provide residents and opportunities to share near-miss incidents with City staff.
	7/1/2022	Evaluate the effectiveness of outreach efforts and create a communication strategy targeting specific groups per the findings of the crash analysis.	Ongoing	Public Information Office staff continues to monitor activity of the city's vision zero webpage as well as comments and feedback regarding Vision Zero related posts.

City of Rockville

Vision Zero Action Plan Progress Chart - May 2022 Update

Action Item	End Date	Objective	Status	Notes
17. Join Montgomery County on Safe Routes to School Activities	1/1/2022	Join Montgomery County by developing a collaboration agreement with Montgomery County and MCPS.	Ongoing	<p>The MOU with Montgomery County has been delayed due to the Covid emergency. Staff has met with the County to determine what can be done in the meantime and will continue to promote the opportunities they provide.</p> <p>Staff coordinated with the Montgomery County Safe Routes to School coordinator to present the program and opportunities for collaboration with the Rockville Bicycle Advisory Group and the Traffic &amp; Transportation Commission.</p> <p>Staff is also supporting the upcoming Bike to School Day event for two Rockville Elementary Schools, providing flyers, banners, and Rockville Vision Zero branded clip lights for students.</p>
	7/1/2022	Evaluate the effectiveness of our outreach efforts, reevaluate actions per the findings of the crash analysis, and continue to coordinate with Montgomery County Public Schools (MCPS).	Ongoing	<p>Due to the Covid emergency and the lengthy absence of students physically commuting to school, staff will reevaluate the effectiveness of our outreach efforts and look into opportunities to implement safe routes to school activities for school-aged children.</p> <p>The City encourages students to share their experiences on the Vision Zero survey as well as the Pedestrian Master Plan survey.</p>
18. Join Montgomery County's On-bike Education Programs for Kids	1/1/2022	Join Montgomery County by developing a collaboration agreement with Montgomery County and MCPS.	Ongoing	<p>The MOU with Montgomery County has been delayed due to the Covid emergency.</p> <p>The Rockville Bicycle Advisory Committee has collaborated with the Montgomery County Safe Routes to School Coordinator in order to pilot a bicycle-rodeo/bicycle education efforts at Beall Elementary School.</p> <p>Staff has worked with Beall Elementary School to provide additional bicycle racks for students.</p>

City of Rockville

Vision Zero Action Plan Progress Chart - May 2022 Update

Action Item	End Date	Objective	Status	Notes
	7/1/2022	Evaluate the effectiveness of our outreach efforts, reevaluate actions per the findings of the crash analysis, and continue to coordinate with Montgomery County Public Schools (MCPS).	On-schedule	Staff will continue to look into opportunities to promote on-bike education activities and biking related events, such as Bike to School Day, for school-aged children.
19. Safety Awareness Training for City Employees	7/1/2021	Develop education materials and provide information to City staff.	Complete	Staff coordinated with HR to distribute materials to new employees so that they understand the City's commitment during orientation. HR staff has also provided special training ("Toolbox Talks") to members of Public Works who spend much of their time in the field.  Staff is also working to develop/find a Vision Zero related traffic safety information sheet that can be incorporated into materials for new employees.
20. Training in the Community	7/1/2021	Create outreach materials and identify community partners.	Ongoing	Electronic copies of the Vision Zero factsheet flyers were shared (in Spanish and English) with civic associations, HOA's, faith-based organizations, schools, and some Black and Hispanic organizations in the area. Paper flyers were also placed inside the mailed kits sent to volunteers for the days of service organized by the City. Staff is coordinating with the Public Information Office to repeat and re-share the Vision Zero flyer information.  Staff is participating in the upcoming "Bike to Work Day" event and will distribute bicycle maps and Rockville Vision Zero branded bicycle and clip lights. This is another opportunity to share information with the community.  Staff continue to explore opportunities for reaching the community, especially community groups who face a disproportionate safety risk.
	7/1/2022	Evaluate the effectiveness of our outreach efforts and reevaluate actions per findings of the crash analysis.	On-schedule	Staff will review effectiveness of outreach materials in reference to the results of the crash analysis and recommend further refinements for improved outreach.

City of Rockville

Vision Zero Action Plan Progress Chart - May 2022 Update

Action Item	End Date	Objective	Status	Notes
<b>21. Appoint Vision Zero Coordinator</b>	7/1/2020	Serve as an initial point of contact and overseer of action item implementation.	Complete	A Principal Transportation Planner was hired in August 2021. This person's work program includes coordinating the Vision Zero Program and the city's pedestrian and bicycle transportation efforts.
<b>22. Establish Cross Departmental Vision Zero Task Force</b>	7/1/2021	Provide coordination among City departments while implementing action items.	Complete	The Vision Zero Task Force was created in March 2020 and has met quarterly since the adoption of the Vision Zero Action Plan in July 2020. Working groups were established from this task force to focus on implementing specific action items.
<b>23. Change Policies, Regulations, and Laws</b>	7/1/2022	Review existing laws, policies, and regulations to identify specific changes per the findings of the crash analysis.	On-Schedule	Staff continues to review policies, regulations, and practices for opportunities to further Vision Zero goals. Many of the pedestrian related policies will be reviewed and updated as part of the Pedestrian Master Plan.
<b>24. Ensure Fairness and Equality Throughout Vision Zero Projects</b>	ongoing	Review all Vision Zero projects and strategies during the entirety of implementation to ensure fairness and equality are met.	Ongoing	Staff continues to carry out action items through the lens of equity and fairness. This includes assessing the needs of all people traveling different modes and providing an opportunity for people to achieve equal outcomes and not only be provided equal opportunities.
<b>25. Create Vision Zero Webpage</b>	7/1/2021	Finalize the design of the Vision Zero webpage.	Complete	This website is regularly updated to include the most recent Vision Zero program updates and status reports, descriptions and photos of ongoing and recently completed projects, and a "near-miss questionnaire". The collected data will be reviewed alongside crash data as part of the annual crash analysis.  Staff also coordinates with the Public Information Office to develop a "bang-the-table" Vision Zero website, which can better organize online materials and provide additional opportunities for public engagement when necessary.
<b>26. Publish Collision Data</b>	Ongoing	Publish crash data findings and analysis on the city's Vision Zero webpage upon completion of the crash data analysis.	Ongoing	Up-to-date crash data collected by the County is regularly updated on the County's Open Data Portal website and is available to the public. The city's Vision Zero website includes links to this information.

City of Rockville

Vision Zero Action Plan Progress Chart - May 2022 Update

Action Item	End Date	Objective	Status	Notes
<b>27. Improve Crash Data Collection</b>	<b>10/1/2021</b>	Review crash data collection following the initial crash analysis.	Ongoing	Staff examined the methodology of the County's crash dataset and continues to look into opportunities to collect more qualitative data. Data collected during a crash is compiled in the Automatic Crash
		Provide initial outreach with Montgomery County, and continue coordination throughout data collection.	Ongoing	Staff meets with Montgomery County regularly to share data findings and opportunities for additional data analysis.
<b>28. Coordinate with Peer Learning Opportunities</b>	ongoing	Provide initial outreach to other Vision Zero Communities and organizations.	ongoing	Staff continues to coordinate with Montgomery County and Maryland Department of Transportation on Vision Zero actions through its Vision Zero Coordinators with the Department of Transportation and Planning Department.  Additionally, staff attends the Bicycle and Pedestrian Subcommittee of the Washington Metropolitan Council of Governments.
<b>29. Update Traffic Safety Programs</b>	<b>7/1/2022</b>	Complete the review of the city's existing traffic safety programs and policies per the findings of the crash analysis.	on-schedule	Staff continues to review policies and programs as related to other transportation and development activities. Additionally, staff will work with the RCPD to identify other programs that can be implemented to advance traffic safety, such as crosswalk enforcement.
	<b>7/1/2023</b>	Identify and prioritize specific changes.	on-schedule	Staff will identify traffic safety programs that can be implemented through the Vision Zero program.
<b>30. Procure Safer Vehicles</b>	<b>7/1/2021</b>	Adopt new fleet purchasing policy.	Complete	Staff has reviewed the fleet replacement policy and recommended additional language to the Fleet Vehicle Replacement Schedule of the FY23 Budget.





City of Rockville

Vision Zero Actoin Plan Timeline - May 2022 Status Update

Action Item	Start Date	End Date	2020				2021				2022				2023				2024				2025				2026				2026							
			Q1	Q2	Q3	Q4																																
			7/1/2020	7/1/2020	7/1/2020	7/1/2020	7/1/2021	7/1/2021	7/1/2021	7/1/2021	7/1/2022	7/1/2022	7/1/2022	7/1/2022	7/1/2023	7/1/2023	7/1/2023	7/1/2023	7/1/2024	7/1/2024	7/1/2024	7/1/2024	7/1/2025	7/1/2025	7/1/2025	7/1/2025	7/1/2026	7/1/2026	7/1/2026	7/1/2026	7/1/2027	7/1/2027	7/1/2027	7/1/2027	7/1/2028	7/1/2028	7/1/2028	7/1/2028
Review existing laws, policies, and regulations and identify specific changes per the findings of the crash analysis. Coordination with Montgomery County’s Vision Zero Steering Committee is necessary throughout the process, but especially to begin the process for successful passage of new laws, policies, and regulations beyond the city’s jurisdiction.	7/1/2021	7/1/2022																																				
<b>24. Ensure Fairness and Equality Throughout Vision Zero Projects</b>	<b>7/1/2020</b>	<b>ongoing</b>																																				
<b>25. Create Vision Zero Webpage</b>	<b>7/1/2020</b>	<b>1/1/2021</b>																																				
Finalize the design of the Vision Zero webpage.	7/1/2020	1/1/2021																																				
<b>26. Publish Collision Data</b>	<b>7/1/2021</b>	<b>ongoing</b>																																				
Publish crash data findings and analysis on the city's Vision Zero webpage upon the completion of the crash data analysis.	7/1/2020	ongoing																																				
<b>27. Improve Crash Data Collection</b>	<b>7/1/2020</b>	<b>10/1/2021</b>																																				
Review crash data collection following the initial crash analysis. Provide initial outreach with Montgomery County, and continue coordination throughout data collection.	7/1/2021	10/1/2021																																				
<b>28. Coordinate with Peer Learning Opportunities</b>	<b>7/1/2020</b>	<b>ongoing</b>																																				
<b>29. Review Existing Traffic Safety Programs and Policies</b>	<b>7/1/2020</b>	<b>7/1/2023</b>																																				
Complete the review of the city’s existing traffic safety programs and policies per the findings of the crash analysis.	7/1/2021	7/1/2022																																				
Identify and prioritize specific changes.	7/1/2022	7/1/2023																																				
<b>30. Procure Safer Vehicles</b>	<b>7/1/2020</b>	<b>7/1/2021</b>																																				
Adopt new fleet purchasing policy.	7/1/2020	7/1/2021																																				

Note: Some items may take shorter or longer throughout the implementation process. Mayor and Council will have the opportunity to review the timeliness of each task every 6 months with an option to update deadlines.

City of Rockville - Vision Zero Action Plan  
 Quarterly Status Report – Attachment C, List of Priority Intersections

Action Items:

- #4 – Evaluate Crossings and Unsignalized Intersections
- #6 – Improve Traffic Signals

State Intersections		
1	Rockville Pike	Church St/ Monroe Pl
2	Rockville Pike	Rollins Ave
3	Veirs Mill Rd	Edmonston Dr
4	Frederick Rd	Redland Blvd
5	Frederick Rd	King Farm Rd
6	Veirs Mill Rd	Twinbrook Pkwy
7	Rockville Pike	Halpine Rd
8	Norbeck Rd	E Gude Dr
9	Veirs Mill Rd	Broadwood Dr
10	Hungerford Rd	E Middle Ln
11	Veirs Mill Rd	Ardennes Ave

City Intersections		
1	E. Gude Dr.	Taft St. / Taft Ct.
2	Twinbrook Pkwy	Chapman Ave.
3	Wootton Pkwy	Preserve Pkwy
4	Wootton Pkwy	Seven Locks Rd.
5	W. Gude Dr.	Piccard Dr.
6	Fleet St.	Monroe St.
7	Research Blvd.	W. Gude Dr.
8	Wootton Pkwy	Fleet St.
9	E Gude Dr.	Rothgeb Dr.
10	E Jefferson St.	Rollins Ave.
11	Gaither Rd.	Piccard Dr.
12	Lewis Ave.	Claggett Dr.
13	Redland Blvd.	Gaither Rd.
14	Twinbrook Pkwy	Pier Dr.
15	W Edmonston Dr.	Wootton Pkwy
16	W Gude Dr.	Gaither Rd
17	Chapman Ave.	Bouic Ave.
18	Rollins Rd.	E. Jefferson St.
19	Edmonston Dr.	Lewis Ave.
20	Atlantic Ave.	Denfeld Rd.

City of Rockville - Vision Zero Action Plan  
 Quarterly Status Report – Attachment D, List of Priority Sidewalk Projects

Action Items:

#7 – Accelerate Sidewalk Construction

The below list was reviewed by the Rockville Pedestrian Advisory Committee and uses a refined prioritization process that includes the following variables: proximity to bus stops, schools, public parks and recreation centers, rail transit and bikeshare facilities, and older adult residential communities. Additionally, sidewalks on this list also consider geographic equity and include public recommendations.

<b>Priority Sidewalk List</b>			
<b>Street*</b>	<b>From</b>	<b>To</b>	<b>Approximate Length (feet)</b>
Carr Ave	Lockett St	Forest Ave	480
E Gude Dr	Norbeck Rd	Taft Ct	1677
Fortune Ter	Seven Locks Rd	Cul-de-sac	655
Frederick Ave	N Stonestreet Ave	Westmore Ave	805
Henry Road	Thornden Road	Parrish Dr	191
Highland Ave	S Stonestreet Ave	Grandin Ave	530
Midway Ave	Veirs Mill Rd	Aleutian Ave	1053
Monroe St	Dogwood Park	New Mark Trail	412
N Horners Ln	Dover Rd	Southlawn Ln	1697
N Stonestreet Ave	Park Rd	Woodland Rd	720
Nelson St	Shopping Center	Beall Ave	1013
New Mark Esplanade	Maryland Ave	Potomac Valley Rd	1979
North St	N Van Buren St	Dead-end	628
Paul Dr	Wade Ave	Gail Ave	891
Reading Ter	S Stonestreet Ave	Grandin Ave	388
Ritchie Pkwy	E Jefferson St	Brice Dr	1030
S Adams St	Maryland Ave	W Jefferson St	1218
Seven Locks Rd	Wootton Pkwy	Dead-end	4178
Wainwright Ave	Ardennes Ave	Ridgway Ave	812
Watts Branch Pkwy	Hurley Ave	Marwood Ct	1467
Wood Ln	N Adams St	N Washington St	212
Woodland Rd	Virginia Ave	N Horners Ln	133

\* All new sidewalk projects require additional feasibility assessment by staff. This assessment will evaluate right-of-way constraints, potential impacts to trees and landscaping, traffic patterns, drainage and stormwater management, and cross slopes.

City of Rockville - Vision Zero Action Plan  
 Quarterly Status Report – Attachment E, List of Priority Bicycle Lane Projects

Action Items:

#9 – Expand Network of Safe Bicycle Facilities

<b>Bicycle Lane Priority List</b>				
<b>#</b>	<b>Street</b>	<b>From</b>	<b>To</b>	<b>BMP Recommended Facility*</b>
1	PARK RD	MD 355 (Hungerford Dr)	S Stonestreet Ave	Bicycle Lane
2	MANNAKEE ST	Martins Ln	MD 355 (Hungerford Drive)	Bicycle Lane
3	MARTINS LN	N Washington St	Mannakee St	Bicycle Lane
4	HALPINE RD	E Jefferson St	Chapman Ave	Bicycle Lane
5	MARTINS LN	Mannakee St	College Pkwy	Climbing Lane
6	S STONESTREET AVE	Park Rd	Baltimore Rd	Climbing Lane
7	CHAPMAN AVE	Twinbrook Pkwy	Rollins Ave	Bicycle Lane
8	COLLEGE PKWY	Yale Pl	MD 355 (Hungerford Drive)	Bicycle Lane
9	RESEARCH BLVD	W Montgomery Ave	W Gude Dr	Climbing Lane
10	MANNAKEE ST	Beall Ave	Martins Ln	Climbing Lane
11	MONROE ST	Fleet St	Monroe Pl	Bicycle Lane
12	MD 189 (FALLS RD)	Wootton Pkwy	Great Falls Rd	Bicycle Lane
13	E JEFFERSON ST	Shared Use Path	Congressional Ln	Bicycle Lane
14	E JEFFERSON ST	Congressional Ln	Rollins Ave	Climbing Lane
15	FORTUNE TER	Seven Locks Rd	Park Potomac Ave	Climbing Lane
16	W MONTGOMERY AVE	Darnestown Rd	Hurley Ave	Climbing Lane
17	W MONTGOMERY AVE	Shady Grove Rd	W Gude Dr	Bicycle Lane
18	S STONESTREET AVE	Baltimore Road	MD 586 (Veirs Mill Rd)	Bicycle Lane
19	HURLEY AVE	Feather Rock Pl	Watts Branch Pkwy	Bicycle Lane
20	South Campus Drive Extension / New Path**	Montgomery College /Mannakee St	Martins Ln	Path on east side of MCPS property (Carver Educational building & Rock Terrace School)
21	W GUDE DR	MD 355 (Frederick Rd)	MD 28 (W Montgomery Ave)	Bicycle Lane
22	CONGRESSIONAL PLAZA	Country Club	Halpine Rd	Bicycle Lane

<b>Bicycle Lane Priority List (continued)</b>				
<b>#</b>	<b>Street</b>	<b>From</b>	<b>To</b>	<b>BMP Recommended Facility*</b>
23	RESEARCH CT	Shady Grove Rd	Research Blvd	Bicycle Lane
24	ARDENNES AVE	Vandegrift Ave	Twinbrook Pkwy	Bicycle Lane
25	FIRST ST / WOOTTON PKWY	Fleet St	MD 586 (Veirs Mill Rd)	Bicycle Lane

<b>Shared Roadway List</b>			
<b>Street</b>	<b>From</b>	<b>To</b>	<b>BMP Recommended Facility*</b>
Forest Ave	W. Montgomery Ave	Dawson Ave	Shared Roadway
Rockville Swim Center Rd	Martins Ln	End	Shared Roadway
Veirs Mill Rd Service Rd	Gail Ave	Midway Ave	Shared Roadway
W. Montgomery Ave	W. Jefferson St	N. Washington St	Shared Roadway
Welsh Park Dr	Mannakee St	Welsh Park	Shared Roadway

\* At the time of project review and design, the best and most feasible bicycle facilities will be considered, e.g. striped bicycle lanes, separated bicycle lanes, signage, etc. All bicycle lane projects will be assessed by staff to evaluate potential impacts and constraints.

\*\* These projects were not included in original Bikeway Master Plan project list, but added by Rockville Bicycle Advisory Committee respondents, additional assessment and feasibility study is necessary.