JEFFERSON AREA BICYCLE AND PEDESTRIAN PLAN



Planning District Commission



2019

Acknowledgments

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Regions, cities and towns around Virginia are increasingly recognizing that bicycle and pedestrian infrastructure offers multiple quality-of-life benefits in terms of tourism, economic development, environment, sustainability, and transportation choice. VDOT and local governments in the Planning District have recognized that providing multimodal transportation choices is important to ensuring that the transportation system of the future is equitable, safe, and sustainable.

In 2017 the Thomas Jefferson Planning District kicked off the Jefferson Area Bicycle and Pedestrian Planning effort. The need for the plan was informed by Virginia creating a new process for evaluating and funding transportation projects called SMART SCALE. SMART SCALE requires that applicants collect detailed information for project applications. As opposed to the previous process, a locality or region needs more technical data and detailed project descriptions in order to qualify for funding. Additionally, several other Federal and state funding sources require a higher scrutiny of project costs versus benefits. The plan is set up to help the region be prepared to take advantage of funding opportunities available for building bicycle and pedestrian facilities.

The development of the plan included a robust public participatory process. This process was made possible by a partnership between the Planning District and the Piedmont Environmental Council that secured local funding from the Charlottesville Area Community Foundation for an extensive public engagement process. One key output of the plan is for the engagement and advocacy process to continue to make progress on implementing regionally important bicycle and pedestrian infrastructure connections.

The Jefferson Area Bicycle and Pedestrian Plan was adopted by the Charlottesville-Albemarle Metropolitan Planning Organization Policy Board on February 27th, 2019 and by the Thomas Jefferson Planning District Commission on March 7th, 2019.

Map 1.1 **Regional Overview**

FEATURES



ABOUT THIS MAP:

This map provides a contextual reference of the region which includes the counties of Albemarle, Fluvanna, Greene, Louisa and Nelson and the City of Charlottesville of whom are served by the Thomas Jefferson Planning District Commission (TJPDC).



Ν

5 Miles

Plan Area

The Jefferson Area Bicycle and Pedestrian Plan covers the limits of the Thomas Jefferson Planning District Commission. The PDC includes the Counties of Albemarle, Fluvanna, Greene, Louisa, Nelson and the City of Charlottesville, and the towns of Mineral, Louisa, Stanardsville, and Scottsville. The region is located along the eastern slope of the Blue Ridge mountains and extends from the rugged terrain of blue ridge to the rolling hills of Virginia's piedmont region. The region includes world-renowned tourism and recreational sites including the Shenandoah National Park, Blue Ridge Parkway, Thomas Jefferson's Monticello and the University of Virginia. The region also hosts a section of the Appalachian Trail that extends from Georgia to Maine and also hosts a section of the TransAmerica Bike Route 76 that extends from Astoria, Oregon to Jamestown, Virginia.

Regional Overview

Albemarle County

Key destinations in Albemarle County include major employment centers located within the urban ring around the City of Charlottesville. Especially, the urbanizing US 29 north corridor, the Village of Crozet and important tourism and recreation sites including the northern terminus of the Blue Ridge Parkway and the southern gateway of Shenandoah National Park, and Thomas Jefferson's Monticello.

City of Charlottesville

Key destinations in Charlottesville include the downtown pedestrian mall, the University of Virginia and University of Virginia Medical Center and other major live and work hubs. The city also hosts a robust urban park system with numerous walking and recreational trails.

Fluvanna County

Key destinations in Fluvanna County include the development areas of Lake Monticello, Zion Crossroads, Fork Union and the Village

of Palmyra. Fluvanna is also home to Pleasant Grove park and the Hardware River State Wildlife area.

Greene County

Key destinations in Greene County include the Town of Stanardsville and the development area of Ruckersville, located at the important crossroads of US 29 and US 33. It also has one of the busiest gateways to Shenandoah National Park located at Swift Run Gap.

Louisa County

Key destinations in Louisa County include the towns of Mineral and Louisa. The growth areas at Zion Crossroads and recreational opportunities in and around Lake Anna. Louisa County is rich in history and natural landscapes. A unique feature and tourism destination is the Green Springs National Historic Landmark District which offers a continuum of rural architecture and landscapes that predates the Civil War.

Nelson County

Key destinations in Nelson County include the Village of Lovingston, the four-season resort of Wintergreen and the agritourism corridor of US 151. Nelson County also serves and an important gateway to recreational opportunities in the George Washington And Jefferson National Forests. Nelson is home to Crabtree Falls, one of the tallest sets of waterfalls located east of the Mississippi River.

Existing Programs

Currently, bicycle and pedestrian planning is primarily carried out at the local level with the jurisdictions in the Planning District having varying degrees of program depth and staff resources. Albemarle and Charlottesville maintain their own transportation planning programs that include bicycle and pedestrian programs. The Rural counties (Fluvanna, Greene, Louisa, and Nelson) rely on the Planning district and VDOT for bicycle and pedestrian related planning. VDOT maintains a statewide bicycle and pedestrian

OVERVIEW

program that helps to coordinate statewide The City's bicycle and pedestrian planning planning activities and provide best practices. program is complemented by a Safe Routes The Program also publishes recreational maps to School program which is staffed by a fulland coordinates U.S. Bicycle Routes. time coordinator. The Safe Routes to School program aims to create safe, convenient, and **Charlottesville Bicycle & Pedestrian Programs** fun opportunities for children to bicycle and walk The City of Charlottesville has oversight and to and from schools.

maintenance responsibilities for its roadway network. To support this requirement, the City's Public Works Department maintains and builds transportation facilities. To complement this, the City has an active bicycle and pedestrian transportation program. The program is located within the City's Neighborhood Development Services Department and is staffed by a fulltime transportation planner. The program is also supported by the Parks and Recreation Department, which plans and implements trails within the City's park and easement system. The bicycle and pedestrian planning program is responsible for planning and implementing the 2015 Bicycle and Pedestrian Master Plan Update.



The 2015 plan, and associated Streets That Work Design Guidelines (2016), illustrates the City's commitment to bicycle and pedestrian planning and provided a detailed roadmap for developing a comprehensive bicycle and pedestrian facility network throughout the city. Many of the recommendations from this plan have been included in the Jefferson Area Bicycle and Pedestrian plan. The program also hosts the City's standing Bicycle and Pedestrian Advisory Committee who advises City Council on bicycle and pedestrian priorities.



The goal is to reverse the decline in children walking and bicycling to schools, increase kids' safety and reverse the alarming nationwide trend toward childhood obesity and inactivity.

Albemarle Bicycle & Pedestrian Programs

Roads in Albemarle County are mostly managed and maintained by VDOT, which is also responsible for implementing portions of the bicycle and pedestrian network. Albemarle County integrates their bicycle and pedestrian program into their overall transportation planning program. Transportation planning for Albemarle is handled by two planners in the Community Development Department. The County does not have a specific bicycle and pedestrian plan but does integrate bicycle and pedestrian concepts into its Comprehensive Plan and area plans. Bicycle and pedestrian planning is also integrated into Albemarle's Parks Department which develops recreational and transportation facilities in county parks and opens spaces.



SECTION



CHAPTER 1 PURPOSE & SUMMARY

CHAPTER 1 | PURPOSE AND SUMMARY Purpose

The Jefferson Area Bicycle and Pedestrian Plan is regionally-focused and intended to help build and implement bicycle and pedestrian infrastructure. The Plan seeks to encourage implementation by providing a focused list of regionally-significant bicycle and pedestrian projects that enhance connectivity and provide routes to important residential and economic centers. This Plan provides an update to the 2004 Jefferson Area Bicycle, Pedestrian, and Greenways Plan and provides recommendations for inclusion in the Urban and Rural Long-Range Transportation plans. The recommendations contained within this Plan were developed with the cooperation of other current and ongoing planning efforts including the Charlottesville Bicycle and Pedestrian Master Plan (2015), local comprehensive plans and the University of Virginia's Parking and Transportation Plan.

The Bike Route 76 Corridor Study (2015) is a technical document that highlights roadway deficiencies that diminish cycling along Route 76 in the Planning District. Recommendations in the study provide strategies to address specific deficiencies and improve cyclist safety and desirability of the route for long distance cyclists. The Route 76 Study was considered when determining recommendations for The Jefferson Area Bicycle and Pedestrian Plan and the Study should be referenced for recommendations specific to Bike Route 76.

This Plan covers both the urban and rural areas of the Planning District. As the process and recommendations differ between the urban and rural areas, the Plan has been divided into an urban section, beginning in Chapter 4 and a rural section, beginning in Chapter 9. The urban area was the focus of greater public engagement and project evaluation due to higher population density and greater opportunities for bicycle and pedestrian connectivity to serve as a significant and meaningful transportation alternative.

meet <mark>VDOT standards</mark>, as appropriate. Urban













Statement of Need

Many local and regional efforts have included bicycle and pedestrian components or have suggested specific improvements. However, this plethora of recommendations has resulted in a planning paralysis where there are plenty of planned improvements but only limited implementation. The Jefferson Area Bicycle and Pedestrian Plan moves the needle by providing prioritized recommendations on projects that meet a regional connectivity need and are part of a holistic, networked approach to transportation planning.

Assessing needs on a regional scale can be a challenge, requiring technical skills and resources. This Plan's recommendations are built around a clearly-constructed set of performance measures aimed at addressing overall regional needs related to bicycle and pedestrian infrastructure. When it comes to implementing regional bicycle and pedestrian projects, there are only limited examples of coordination between localities. This desire for better coordination has been identified by both Albemarle and Charlottesville in previous efforts including facilitated joint City Council and Board of Supervisor sessions and previous regional planning efforts. This Plan addresses coordination by bringing all stakeholders together at one table and providing project recommendations that would bridge the gap between the two urban jurisdictions. Further adding to complexities is that local transportation/ planning departments have limited time and resources to conduct bicycle and pedestrian planning, especially at the level that will manage and fund projects. This process will supply some of those resources, supplying localities with the information and guidance they need to get projects built.

CHAPTER 1 | PURPOSE AND SUMMARY

Process Vision

This Plan brings together multiple planning efforts to provide a guide for implementation on a regional scale.

Process Goals & Objectives

Goals and objectives are important for keeping the planning process on task and providing a framework for addressing the plans vision. For the Jefferson Area Bicycle and Pedestrian Plan there are four broad goals:

Goal 1: Get Projects Implemented

Objective 1A: Identify all existing bicycle and pedestrian recommendations proposed in current approved planning documents.

Objective 1B: Identify new bicycle and pedestrian needs, through analysis and public input.

This Plan focuses on the creation of bicycle and pedestrian infrastructure, yet there are many other opportunities to make bicycling and walking safer and more desirable. Of primary importance are local and regional education programs that ensure widespread awareness of the responsibilities of motorists, bicyclists, and pedestrians. Appropriate enforcement of laws and policies will also be important for achieving the bicycle and pedestrian safety targets set by VDOT and the MPO. Installing appropriate lighting along roadways and adequate bicycle parking throughout the region are additional steps that would allow for safe and convenient active transportation. All of these aspects may become increasingly important as bikeshare and scooter programs have the potential to increase the number of people using bicycle and pedestrian infrastructure in the region, as described in Chapter 3.

Objective 1C: Integrate recommendations in other planning documents, such as local comprehensive plans and the MPO Long-Range Transportation Plan. Objective 1D: Implement a continuing process, with regular follow-up on priority projects. Goal 2: Get the Right Projects Built Objective 2A: Identify all existing bicycle and pedestrian recommendations. Objective 2B: Identify new bicycle and pedestrian needs, through analysis and public input. **Objective 2C:** Develop and adopt performance measures to prioritize recommendations.

Goal 3: Provide Localities with Valuable Tools

Objective 3A: Ensure the plan remains focused on implementation.

> **Objective 3B:** Implement a continuing process, with regular follow-up on priority projects.

Objective 3C: Develop an online, interactive version of the plan recommendations.

Goal 4: Encourage Public Participation

Objective 4A: Conduct meaningful public outreach.

Objective 4B: Interface with existing community and advocacy groups.

Objective 4C: Conduct workshops and engagement sessions within the community.

Beyond this Plan

CHAPTER 2 BENEFITS



CHAPTER 2 | BENEFITS

Health & Quality of Life

Having high quality bicycle and pedestrian infrastructure allows people to make active choices about their transportation mode. Transportation mode choice is an important component of ensuring affordable housing and transportation options in the region. Society benefits from reduced vehicle congestion on roadways, improvements in public health outcomes, equity, and economic vitality. Investments in pedestrian and bicycle infrastructure have been shown to benefit economic development by helping to attract new businesses and providing improved access to existing businesses.

Trip Choice

An integrated and efficient bicycle and pedestrian infrastructure allows people to make choices about their trips. Having a network that is safe and connected allows people to choose the appropriate mode of travel for each trip. For example, an individual may choose to walk two miles to work, or may choose to bike to school and return home via transit or a ride-hailing service.

Cost Savings

Bicycling a few days a month can result in real cost savings for individuals and households. According to the Pedestrian and Bicycle Information Center, the average cost of operating a bicycle is approximately \$308 a year. This is significantly less than the average cost of owning and operating a car. The American Automobile Association (AAA) states that the average cost of owning and operating a vehicle was \$706 a month or \$8,469 annually in 2017 (based on 15,000 miles).

Positive Health Outcomes

Bicycling and walking have been shown to have extensive personal and public health benefits. A selection of the State of Virginia health rankings are listed in the adjacent table. Additional health benefits are shown on page 18.

Bicycle and pedestrian infrastructure provides opportunities for more equitable access to jobs, services, housing and recreation. For this to occur, improvements must be made across a region so that Reduced Single Occupancy Vehicle Trips Bicycling and walking reduces demand for vehicle different communities are linked together. Increased use by shifting trips from cars. This eases congestion outreach, engagement, and investment may also by reducing the number of vehicles traveling on area be needed to ensure that traditionally-excluded roadways. This benefits the community by extending communities can take advantage of bicycle and the life of existing roadways and reducing need for pedestrian infrastructure. costly capacity expansions.

HEALTH RANKINGS



19/50 for Core Determinants of Health



21/50 for Obesity

with **29%** of the as such



26/50 for Physical





25/50 in Cardiovascular

Deaths per year with **239** deaths per 100,000 persons



23/50 for Diabetes with 0% of the Commonwealth categorized as such

Equity

CURRENT U.S. HEALTH STATISTICS



CARDIOVASCULAR DISEASES are the #1 CAUSE OF DEATH in the United States

1,630 Americans DIE EVERY DAY FROM CANCER, mainly that of the lung, breast and colon



61% of American adults 65 years or older HAVE AT LEAST ONE ACTIVITY-BASED LIMITATION



86% of workers in the United States • DRIVE OR RIDE IN A PRIVATE VEHICLE TO **COMMUTE**, sitting on average for 26 minutes each way



• the AVERAGE STRESS LEVEL OF AMERICANS adults where 1 is 'little or no stress' and 10 is 'a great deal of stress'

ASTHMA IS THE LEADING CHRONIC DISEASE IN CHILDREN and the number one reason for missed school davs



Exposure to **TRAFFIC EMISSIONS** is linked to exacerbation of ASTHMA, REDUCED LUNG FUNCTION, ADVERSE BIRTH OUTCOMES and childhood CANCERS



HEALTH BENEFITS



20 MINUTES WALKING OR BIKING each day is associated with **21%** LOWER RISK OF HEART FAILURE FOR MEN and **29%** LOWER RISK FOR WOMEN



MODERATE EXERCISE for 30-60 minutes a day REDUCES THE RISK OF LUNG, BREAST AND COLON CANCER by at least 20%

(Warburton, Nicol and Bredin, 2006)



PHYSICAL ACTIVITY HELPS PREVENT OR DELAY ARTHRITIS, OSTEOPOROSIS AND **DIABETES**, while helping to maintain balance, mental cognition, and independence (National Institute on Aging, 2015)



PEOPLE WHO BIKE burn an average of CALORIES PER HOUR and PEOPLE WHO WALK burn an **280** CALORIES PER HOUR

BIKE COMMUTERS REPORT LOWER STRESS LEVELS compared to auto commuters





IF **8%** MORE CHILDREN LIVING WITHIN 2 MILES OF A SCHOOL WERE TO WALK OR BIKE TO SCHOOL, the air pollution reduced from not taking a car would be EQUIVALENT TO REMOVING 60,000 CARS FROM THE **ROAD** for one year, nationally

BIKING **Z** MILES, rather than driving, AVOIDS EMITTING **2 bs** of

POLLUTANTS, which would take 1.5 months for one tree to sequester





CHAPTER 2 | BENEFITS

CHAPTER 3 NATIONAL TRENDS

GPS Tracked

-0

CHAPTER 3 | NATIONAL TRENDS

Trending in the U.S.

Although active transportation has taken a back seat to personal automobiles in the past, bicycling and walking as modes of transportation have been gaining popularity in recent years as people recognize the health, environmental, and economic benefits. According to the US Census, the number of people who commuted to work by bicycle increased by approximately 62% between 2000 and 2014¹. As new technology is being introduced, the use of active transportation and similar non-vehicle modes will likely continue to increase and become more widespread. Therefore, it is more important than ever to have infrastructure that continues to expand with these trends.

Infrastructure

The existence of quality bicycle infrastructure is essential to accommodate bicyclists and make bicycling a safe transportation option. A report from the Urban Land Institute states that "the steady increase in bicycling can be traced to increases in the safety and convenience of bicycle infrastructure". More advocacy and funds being allocated to bicycle and pedestrian infrastructure has led to a steady increase in infrastructure being built. Between 1992 and 2012, the number of bike projects receiving federal funding jumped from only 50 projects to 2,863 projects; and many more were funded in other ways¹. According to the organization People for Bikes, protected bike lanes have doubled every 2 years since 2009. Safety concerns are a large impediment to many people bicycling, but as safe infrastructure is becoming more prevalent, bicycling becomes a more viable option.

Bikeshare and Scooters

Bikeshare programs are one of the main forms of innovation that are reshaping active transportation in urban areas. As they become more common in cities around the country, they are contributing to the increasing popularity of bicycles. Bikeshare programs and other shared mobility programs attempt to address the demand for guick and affordable transportation in urban areas. Due to increasing ridership of existing systems as well as new systems being built, 35 million bike share trips were taken in 2017, a 25% increase from 2016². The large increase in new systems was partly due to dockless bike share programs being introduced in 2017, causing the number of bikeshare bikes available to more than double. Station-based systems were previously the only available bikeshare option and even though they are currently still the most used system, dockless systems address the limitation of only being able to ride bikes between stations and needing to know the station locations. Dockless bikeshare programs allow riders the flexibility to be able to travel between desired destinations without worrying about dock locations. There are concerns that without stations, the dockless systems could contribute to a cluttering of cities, but companies are attempting to address this by incentivizing specific areas for parking and creating zones that are offlimits. The advancement of technology allows for these programs to be possible and more user friendly. GPS is used to track bikes and smart phones and credit cards make the systems more usable.

Many bikeshare companies are also introducing electric bikes and scooters which contribute to revolutionizing the way people travel in cities.



CHAPTER 3 | NATIONAL TRENDS

The electric motors for both bikes and scooters allow riders to travel farther distances and makes them The accessibility of active transportation can also largely affect the use of public transit. One of the major problems facing cities when it comes to public transit is ensuring that residents can access transit stops and stations. Access to transit stops and stations is known as the 'first-last mile' issue for trips made using public transit. The 'first-last mile' dilemma is a gap in the transportation network that shared mobility programs can address. Personal bikes or scooters could also be used to address that issue if more infrastructure, such as bike racks and scooter parking, is available. A connected and safe bike infrastructure is needed for both options to create an easier connection between active transportation and public transit.

accessible to a wider population, including people who may have physical limitations. Despite bikeshare and other shared mobility programs aiming to provide affordable mobility options, the cost and dependence on smartphones and credit cards can still make them inaccessible to some segments of the population. In order to ensure that bikes and scooters are accessible to everyone, many programs have introduced discounts or subsidized passes for riders based on income thresholds and have options for text-to-unlock features.



Programs Available in the Region

Transportation Planning is entering into a period of As these new technologies and modes of transportation become available in the area, the rapid change and technological disruption. New need for a more connected bicycle and pedestrian services such as bike sharing and transportation network increases. The University of Virginia network companies, coupled with a move towards bikeshare program, UBike, has been successful autonomous vehicles and connected infrastructure, since it started in 2015 and the popularity of the are reshaping how people and goods move. program has allowed the program to continue to These new technologies and new modes of grow. However, UBike is a station-based system and transportation have the potential to radically reshape it is limited to the University of Virginia grounds. In the transportation landscape. With some of the 2018, the City of Charlottesville approved a temporary technologies being new, there is very little consensus Dockless Scooter and Bicycle Policy Pilot Program around how to plan for them and make assumptions to evaluate their impacts in Charlottesville. The City for the future. Nonetheless, it is important to note that has provided permits to Lime and Bird, and the first these changes will have an impact on bicycle and dockless scooters and bicycles were introduced pedestrian planning. in December of 2018. A successful pilot program could lead to bikeshare and other mobility programs expanding and becoming a more permanent fixture in the area.

Connecting Active Transportation and Transit

BIKE SHARE SYSTEMS IN THE U.S.: 2017

Source: nacto.org

Motorized and Other Changes in Transportation

SECTION







CHAPTER 4 | OUTREACH AND PROCESS

Overview

Given that the City of Charlottesville and Albemarle County have put notable effort toward the creation of plans for bicycle and pedestrian infrastructure, the focus of this Plan is on regionally-significant corridors and connections. The TJPDC and CA-MPO have the role of creating regional transportation plans and encouraging coordination between the City and County when planning and implementing transportation projects. This plan builds on the 2004 Bicycle and Pedestrian Greenways Plan and helps Charlottesville and Albemarle meet their goals for better integrated planning. A desire that was expressed during the One Community Planning efforts and reiterated during subsequent strategic planning sessions.

The One Community Project (2013) identified provide significant improvements to the regional a desire for better planning coordination. As multimodal transportation network. part of the One Community planning efforts, Charlottesville, Albemarle and the MPO came This regional plan includes the aspects listed together to discuss comprehensive plan updates below, which will be described in detail in the and better integrated community planning. One following chapters. of the outputs from the One Community project was a joint Community Vision and goals. The • Identification of existing infrastructure Vision and goals were codified by Albemarle and conditions for those walking and bicycling in Charlottesville in their Comprehensive Plans. Of the region (Chapter 5) importance to this plan are three transportation goals related to bicycle and pedestrian Compilation and examination of plans that infrastructure and multimodal connectivity, which have been created and approved by local included the following:

- Coordinate building the sidewalk network across City-County boundaries and addressing barriers to pedestrian connectivity
- Coordinate to provide and enhance multimodal connections between employment centers and areas of high residential density
- Create dedicated bicycle and pedestrian connections across physical barriers within the community

- Rivanna River
- Route 250 East and West
- Interstate 64
- Railroad network
- City and VDOT system connection
- Route 29

The 2013 One Community vision and goals were followed up with a 2014 joint strategic planning meeting between Charlottesville and Albemarle elected officials where bicycle and pedestrian connectivity between the jurisdictions was identified as a top priority.

The desire for a more connected and integrated planning approach is reflected in this plan through the planning process, community engagement, and the scale of the recommendations. If implemented the recommendations provided in Chapter 7 would

- governing bodies, including the City of Charlottesville, Albemarle County and the University of Virginia (Chapter 6)
- Determination of corridors that provide regional connectivity for bicycle and pedestrian transportation in the urban area (Chapter 7)
- Prioritization of corridor segments, using the ActiveTrans Priority Tool, followed by adjustments to account for additional costs or benefits associated with each segment (Chapter 7)

- Creation of strategies for implementation, including identification of key locations where the City and County will need to coordinate efforts (Chapter 8)
- Determination of additional next steps that will facilitate and encourage creation of a regional bicycle and pedestrian network (Chapter 8)

Outreach

As with all planning efforts, public outreach is a significant component of the process. Given the unique characteristics of the Charlottesville and Albemarle region, planners identified the need for a robust public engagement process. This led the TJPDC to partner with the Piedmont Environmental Council and to seek grant funding. In the summer of 2017, the TJPDC collaborated with the Piedmont Environmental Council (PEC) to apply for and receive a Strengthening Systems Grant from the Charlottesville Area Community Foundation. This two-year grant made a campaign of intensive community outreach in the region possible. The PEC hired a Community Outreach Coordinator in the Fall of 2017 who led these efforts and worked in close collaboration with the TJPDC staff and rounded out what became known as the planning team.



Although there have been many plans created in the Charlottesville-Albemarle area, there has not been a coordinated plan for a comprehensive regional network. Through numerous interviews and focus groups, it appears that this gap between idea and implementation is primarily attributable to a lack of focus and coordinated mobilization between localities, communities, professional disciplines, and stakeholder groups. This issue was addressed through an outreach program that worked to listen to, understand, and work closely with partners in the community to create a plan that reflects the needs and priorities of all. This also created widespread buy-in and a unified structure through which the public organized advocacy and became active participants.

There are many organizations in the region that have been working towards creating better infrastructure and promoting active recreation and healthy living. The outreach process began with connecting with these organizations, as well as professionals, advocates, and diverse stakeholders with related goals, many of whom do not typically participate in Transportation Planning. For example, the regional Health District's four main program goals, including Active Living and Connected Communities for All and Healthy Foods, are all better served by improved bicycle and pedestrian connectivity. Organizations such as this bring resources and relationships to the process and will be valuable partners going forward. Similar alliances were formed with educators, businesses, housing advocates and providers, heritage centers, environmental stewards and many others.

Conversations with residents of both Charlottesville and Albemarle have indicated broad community support for a more connected community with safe bicycle and pedestrian infrastructure. Residents had many ideas for connections along several corridors, multiple barriers they would like to see transformed into connections, and ideas about how to accomplish this, which all contributed to this Plan.

CHAPTER 4 | OUTREACH AND PROCESS

The outreach effort yielded rich qualitative data **Special Events** and knowledge that informed the Plan and In addition to traditional public meetings held in government offices, the planning team process. Furthermore, the outreach process has developed and organized a robust multimodal organized several special events throughout advocacy community that has united many the year that framed issues of mobility in new previous disjointed sectors and constituencies ways and vastly expanded what a planning in both Charlottesville and Albemarle. This charrette might look like. On November 8, 2017, resulted in relationships and networks that can they hosted a project kickoff with a presentation drive implementation and will help refine the and discussion with Chuck Flink, of Greenways regional plan on an ongoing basis, and foster Inc, and Max Hepp-Buchannan, of Bike-Walk participation and buy-in for specific project RVA, about national and regional models of recommendations. The outreach effort is notable successful greenway implementation strategies. for the number and variety of methods used to More than 150 people attended that gathering, which also included informational displays and a get the public involved in the planning process. These methods are summarized below. mini-survey. Shortly after, on November 17, 2017, the "Cypherways" community meeting was held, in which local spoken-word artists used Hip-Hop **Events and Gatherings** word association techniques to inspire outsidethe-box thinking.

Throughout the process, PEC and TJPDC hosted a variety of events. These included public open houses, small meetings, focus groups, special events, community gatherings, and checking in with residents and other stakeholders through ongoing processes.

Public Open Houses

Over the course of the planning process the TJPDC staff hosted four open houses at their Water Street Center meeting facilities. The open houses provided opportunities for members of the public to formally engage in the planning process and indicate opportunities and challenges associated with walking and bicycling in the region.

Small Meetings and Focus Groups

The PEC Community Outreach Coordinator met regularly with individuals, community leaders, and organizations with diverse missions and backgrounds to build relationships, consensus and active support around a unified vision. Between October 2017 and November 2018. over 250 meetings were held with individuals and small groups at locations throughout Charlottesville and Albemarle.



More than 70 participants brainstormed potential greenway destinations and barriers and envisioned what a greenways journey might include. The process was especially noteworthy for its ability to unpack and develop complex issues such as greenway users' simultaneous desire for solitude and the company of others and to suggest design implications.

The PEC joined with the Charlottesville Bicycle and Pedestrian Advisory Committee to organize five social bike rides over the course of 2018. These rides promoted cycling for fun and transportation, while increasing its visibility, educating riders, and strengthening civil society. The rides also provided residents with first-hand knowledge of existing infrastructure, revealed shortcomings, and the informal post-ride debriefs were a venue for honest dialog about challenges and desires.



The 2018 event schedule culminated with a visit from nationally-renowned transportation planner Charles Brown, an expert on the intersectionality of race, gender, class, and mobility. He led an evening discussion, entitled "Walking and Biking Toward Equity" on November 28 with more than 150 attendees about ways to make Charlottesville and Albemarle better-connected for all, starting with improved and authentic conversations with residents in their own communities.



The following day, Mr. Brown led a roundtable conversation with professionals from the Move2Health Coalition to develop ways to engage with local communities toward just outcomes. This dialogue suggested program opportunities as well as offering more inclusive work strategies.

Gatherings

Outreach was not limited to team-hosted events, but included going where residents already are, where they owned the floor, and where they were most comfortable. The PEC Outreach Coordinator worked with the TJPDC, many volunteers, and community partners to set up tables and mingle at events in order to hear from residents in a casual setting about their thoughts and ideas about a better-connected community. The planning team employed engagement techniques including "dot maps" interviews, and most importantly open-ended conversations with residents about their needs and their vision for a more-connected community.



CHAPTER 4 | OUTREACH AND PROCESS

These sessions yielded valuable insights support for better bicycle and pedestrian connectivity in Charlottesville and Albemarle. that would not necessarily come out in public meetings. For example, the Outreach As of December 2018, that petition has 950 Coordinator discovered at gatherings that the signatures. only place where many women feel confident to exercise alone is at the gym and that many refugee residents walk or bike several miles to work, in all weather and late at night, because they do not have cars. The Outreach Coordinator also learned about a religious procession that travels along busy streets that do not have complete sidewalks. Data collected from the survey and other communications corroborated much of this information.

Input and Data Collection

The planning team employed a multi-faceted approach to collect input from area residents, businesses interest groups and partner organizations.

Social Media

The project team made significant use of social media platforms, such as Facebook and Twitter, to promote ways in which the public could support and become involved in the planning process. The Charlottesville-Albemarle Greenways Facebook page has over 200 members who help to garner support and spread information.

Wikimap

The TJPDC developed and hosted an online Wikimap which allowed the public to identify various aspects of their rides on an online mapping platform. People indicated desired

routes, significant impediments and problem The survey asked respondents about their areas. Data from this process was used in concerns related to walking and bicycling for corridor identification. The website also provided transportation and separately for exercise. The the ability for users to submit comments and purpose of the survey was to dig a little bit ideas. deeper into the notion of safety and quality of design and execution. Respondents also had In addition to basic information about the project an opportunity to suggest actual bicycle and and links to the WikiMap, there was a volunteer pedestrian connections they would like to see page (which pulled in more than 50 volunteers) built, as well as ideas and models they like in and a petition that allows visitors to register other cities.



Public Survey

The Outreach Coordinator, with support from advisors and volunteers, developed a survey based on what was learned in focus groups and public interactions. The survey, which ran from May 10 to September 10, 2018, was distributed by email, social media and had a paper version that was part of engagement activities. It was also distributed at two local health clinics. There were 857 responses.

CHAPTER 4 | OUTREACH AND PROCESS

Among other findings, initial analyses of survey results indicated the following:

- Respondents were primarily concerned with being injured by a car, 72% said it prevents them from bicycling or walking for transportation and 64% said it interferes with their exercise. Whereas insufficient time, for example, ranked fourth at 26%. This indicates that well-protected facilities should be the primary focus
- Only 40% of respondents are comfortable with bike lanes. Respondents are far more enthusiastic about near-street or park-like settings, with 64% of respondents feeling comfortable with near-street infrastructure
- Women were far more concerned about personal security than men, and this difference was consistently expressed. Women do not want to be in the dark or alone and are concerned about being victims of crime
- Men were more interested in a variety of experiences or logistical challenges such as shower facilities at work

These responses signal that residents prefer to be off the road. Half the population has strong preference to be where other people are. That means that facilities that are built away from high-traffic areas must encourage prosocial behaviors and employ Crime Prevention Through Environmental Design (CPTED) principles, while also integrating nature and accommodating a full spectrum of users. The survey also yielded rich qualitative data in the free-response questions. There were ideas about barriers and destinations which, along with other interactions such as the Wikimap, public meetings, and table exercises, helped develop the team's understanding of community desires.

Supporting Current Projects

PEC worked with TJPDC, City, County, and UVA to promote and increase public participation in their existing and ongoing local and regional transportation planning processes. This improved public awareness and investment in local issues. It provided agencies with more data to work with, contextualized local projects within a regional scope, and enlarged their advocacy base. Some of these projects included:

TJPDC

- Fifth Street Trail Hub
- Long-Range Transportation Plan

City of Charlottesville

- 5th-Ridge-McIntire Multimodal Corridor Study
- East High Streetscape
- West Main Streetscape
- Emmett Streetscape

Albemarle County

- Pantops Master Plan
- Hydraulic/29 Master Plan
- Rio/29 Master Plan
- Biscuit Run Master Plan

University of Virginia

Bicycle Master Plan

Plan Related Committees

Stakeholder Advisory Group

The PEC and TJPDC jointly empaneled a body of officials including government staff, elected officials, and leaders from local organizations focused on health and active living. These individuals represented some of the organizations already working on multimodal connectivity and whose organizations have resources to contribute toward implementation. They met bi-monthly starting in October 2017 and provided guidance for research methodology as well as contributing directly to the contents of this Plan.



CHAPTER 4 | OUTREACH AND PROCESS

Technical Working Group

The bi-monthly gatherings of the Technical Working Group provided a venue for collaboration between localities as well as across disciplines. Subsets of the advisory group gathered periodically to discuss technical issues, such as the interjurisdictional harmonization of spatial data. A modified version of this group will continue to gather regularly after this plan is complete and through implementation.

None of the methods described are individually sufficient but they provide cross-checks and they combine to yield a mosaic view of community priorities. The enhanced community engagement has resulted in a motivated public that is willing to work toward a more connected community. New voices in the conversation will mean new partners, new resources and more opportunities. Engagement opened channels for communication and periodic check-ins going forward. Active community involvement will be essential every step of the way.

Themes and Issues

Themes

The community outreach effort identified several important themes that were incorporated into the planning process and ultimately shaped the recommendations put forward in this plan. These themes include the following:

- A desire for a more connected network of on and off-road bike and pedestrian facilities
- An improved quality of life through recreation and mobility for all residents
- Greater choices in transportation modes that cater to a variety of user types by including a matrix of on-road and off-road, soft and hard surface bike and pedestrian facilities
- Better access to jobs, retail, educational and recreational destinations

Safer and universally accessible facilities available to all regardless of ability, age, class, gender, or race

<u>lssues</u>

Through many of interactions with the public, interest groups, advocates and elected officials, several important issues rose to the top. These include:

- The current bicycle and pedestrian network is not sufficient for most people to use comfortably. There are few places in the region where everyone can feel safe riding a bicycle. New transportation projects must consider the needs of all users and not create new barriers
- Many walking trails are informally maintained or privately owned and not everyone feels safe or welcome using them
- The shared use paths that exist are too short or too isolated to be useful for transportation. The paths should be extended and connected into a regional network
- There are several well-loved shared use paths such as Riverview Park and the Saunders-Monticello Trail. While these facilities function well, they can be overcrowded at popular times and require many residents drive to trailheads for access
- There are many gaps in bicycle-pedestrian infrastructure. These tend to cluster along the City/County edge and along rivers, creeks, and transportation infrastructure such as railroads and highways. The localities must cooperate more and closing these gaps should be the top priority
- Process is of supreme importance. People are energized around issues of mobility and they want to be involved, but it needs to be easier for them to connect with the process



CHAPTER 5 EXISTING CONDITIONS

Existing Infrastructure

This chapter explores the current state of bicycle and pedestrian infrastructure and provides an analysis of important factors affecting the network, including employment and settlement patterns, short auto trips, crashes, destinations. There is an extensive network of existing bicycle and pedestrian facilities within the urban areas of Charlottesville and Albemarle County. The existing network is primarily concentrated in the City of Charlottesville and in some neighborhoods in Albemarle County. Existing bicycle and pedestrian facilities have been developed through three different approaches.

1. Developer-Built Improvements

When a site developer builds new internal and/or external bicycle and pedestrian facilities, as required by zoning, the Comprehensive Plan, or a proffer. An example of these are the facilities built as part of the residential development in the Pantops area of Albemarle County.

- 2. Publicly-Constructed Roadway Facilities These are facilities built by either the City or VDOT as part of roadway paving, roadway improvements, or new connections. In some cases, such as the extension of Berkmar Drive, the bicycle and pedestrian facility is a major component of the new project corridor.
- 3. Publicly-Constructed Off-Roadway Facilities These are facilities built by Charlottesville or Albemarle County for the specific purpose of providing bicycle and pedestrian connectivity and/or recreation. An example of this type of project is the Rivanna River Trail from Riverview Park to Free Bridge.

The City of Charlottesville owns and maintains its own roadway network. This allows the city to prioritize and construct on-road facilities. Most roadways in Albemarle County are owned and managed by VDOT.

Data in the adjacent Existing Infrastructure map was assembled from existing facility inventories maintained by Albemarle County, VDOT and the City of Charlottesville. This data was supplemented with an inventory performed by TJPDC interns during the summer of 2017. It should be noted that the existing condition data is not complete and is in the process of being updated. One of the action items from The Jefferson Area Bicycle and Pedestrian Plan is for Albemarle, Charlottesville, UVA and the Planning District Commission to develop procedures to maintain and share comprehensive bicycle and pedestrian infrastructure and facility data. This will include an online regional dataset and map of existing and proposed bicycle and pedestrian infrastructure. More information about this ongoing work can be found in Chapter 8, Implementation Strategies.

Existing Bicycle Infrastructure: This includes all bike lanes, shared use paths and shared roadways.

Sidewalk Infrastructure: This includes sidewalks and walkways. The inventory primarily includes sidewalk facilities that are on public roadways or provide access to major businesses like shopping centers.

Bike Route 76: Bike Route 76 is a designated, national, on-road bike route that traverses the region. It is the only designated bike route to pass through the Planning District.

Nature Trails and Recreation Infrastructure: Albemarle and Charlottesville have an extensive park system that provides recreational riding and walking opportunities for users. These trail networks include primitive hiking, mountain biking, and hard surface paths. The urban area also has the Rivanna Trail, a mixed on-road and primitive trail system that encircles the City. The trail is maintained by the non-profit Rivanna Trails Foundation.





GED MOUNTAINS







ABOUT THIS MAP:

This map provides a contextual reference to the City of Charlottesville, the urbanized area of Albemarle County and surrounding area. The map depicts the existing infrastructure currently in place in regards to bicycle and pedestrian facilities.



Map 5.1.1 Existing Bicycle Infrastructure

FEATURES



Bike Route 76

1 Mile

Ν

ABOUT THIS MAP:

This map provides a contextual reference to the City of Charlottesville, the urbanized area of Albemarle County and surrounding area. The map depicts the existing infrastructure currently in place in regards to bicycle facilities.



Map 5.1.2 Existing Sidewalk Infrastructure

1 Mile

FEATURES

Parks and Conservation — Sidewalk Infrastructure Lakes and Rivers **H** Railroads

Ν

ABOUT THIS MAP:

This map provides a contextual reference to the City of Charlottesville, the urbanized area of Albemarle County and surrounding area. The map depicts the existing infrastructure currently in place in regards to pedestrian facilities.

Trips Less Than Two Miles

The maps below and adjacent show the estimated percent of all trips on a road that are less than two miles in length, for selected roads in the urban area. The data is from the StreetLight Insight platform, which uses anonymized location data from cell phone applications to identify trips and travel patterns. The tool does not currently identify the mode of travel but does allow for calculating the proportion of all trips on each roadway that are relatively short. The map shows that many of the roads near UVA and downtown Charlottesville have higher proportions of trips that are less than two miles. Many other roads, mostly neighborhood roads, also have a relatively high proportion of short

trips. A similar analysis was done to calculate number of trips that are shorter than five miles as part of the evaluation done using the ActiveTrans Prioritization Tool. This is discussed in more detail in Chapter 7, Corridors & Prioritization.





Map 5.2 Trips Less Than Two Miles



ABOUT THIS MAP:

This map shows the estimated percent of trips on selected roads that are less than two miles in length. Roads not shown were not analyzed with this tool.



Map 5.2.1 Trips Less Than Two Miles



ABOUT THIS MAP:

This map shows the estimated percent of trips on selected roads that are less than two miles in length. Roads not shown were not analyzed with this tool.

Ν

an understanding of where people live in the

community. This information helps planners

understand the demand for bicycle and

pedestrian infrastructure. Population density is

an important factor for understanding access

and is included in the Active Trans Prioritization

Tool. The tool is discussed in more detail in

Chapter 7.

Population Density

Population density data is derived from the Decennial US Census (2010) at the block level. Blocks are the smallest unit of geography that Census data is reported on. Mapping this data using a dot density map provides

City of Charlottesville and Albemarle County Population Pyramid



United States Population Pyramid



The notable differences between Charlottesville and Albemarle County populations and the those of the United States population are the higher percentage of college age residents, ages 20-24, due to the University of Virginia.

ABOUT THESE CHARTS:

The adjacent charts provide a visual representation of the age-sex distribution for the combined population of the City of Charlottesville and Albemarle County.

Source: 2012-2016 ACS 5-Year Estimates



Population Density

FEATURES

Parks and Conservation • 1 Dot= 75 Persons Lakes and Rivers **+++** Railroads

1 Mile

Ν

This map illustrates the density of the population, which is largely focused within the US 250 Bypass and is densest near UVA grounds. There is significant density north of Charlottesville near Route 29 in Albemarle County. The data used is derived from the Decennial US Census, 2010, at the block level.

Employment Density

Employment density data is sourced from the US Census Longitudinal Employer-Housing Dynamics (LEHD) dataset, 2015. The dataset provides information on employers and employees. Mapping the available data provides a spatial understanding of employment distribution and job locations, such as population density. These are important factors when planning a transportation system. Population density is highest in the urban neighborhoods surrounding downtown, UVA, and the Hydraulic Road area.

Data included in this map is sourced from business address databases maintained by a third party. Encoding errors exist and may result in locations with higher than expected employment being illustrated.

An example of this type of error is the employment center dot, colored maroon, near the north fork of the Rivanna River. The error appears because that dot represents the center point of a particular zip code.

There are multiple regional employment centers throughout the City of Charlottesville and Albemarle County. These employment centers are based on the number of jobs and can range anywhere from 1 to nearly 12,000 jobs. The top regional employment centers include:

- Pantops
- Downtown Charlottesville
- UVA Central Grounds
- Fontaine Research Park
- North Fork Research Park
- Rivanna Station
- Barracks Road
- Route 29 Corridor







CHAPTER 5 | EXISTING CONDITIONS

Ν

This map illustrates employment locations and job density. The dataset used is from the 2015 US Census LEHD dataset.

2,873-6,724 Jobs 6,725-11,837 Jobs

Bicycle and Pedestrian Collisions

The Moving Ahead for Progress in the 21st Century (MAP-21) act enacted in 2012 requires Metropolitan Planning Organizations (MPOs) and State Departments of Transportation to adopt performance measures for addressing safety on roadways. Safety measures include a count of non-motorized fatality and serious injury crashes and a per year reduction target. In 2018, the MPO worked with VDOT to adopt an initial target reduction of 4%. Safety Targets are listed in the MPOs Transportation Improvement Program (TIP) and are assessed annually by the MPO. This plan will help address bicycle and pedestrian specific safety issues.

The data in the adjacent map is provided by VDOT and the Virginia State Police and maps non-motorized crashes by severity for 2013-2016. There were 256 collisions involving motor vehicles and pedestrians between 2013-2017. Of those collisions, 13 resulted in the death of a pedestrian. The most common injury classification for pedestrians was minor injury with 179 collisions. For cyclists, there were 99 collisions that resulted in injuries, but no fatalities. The most common injury classification for cyclists was minor injury, with 78 collisions.

Bicycle Collisions

Collicion Soverity	Year					Total
Comsion Severity	2013	2014	2015	2016	2017	
Killed	0	0	0	0	0	0
Serious Injury	7	3	2	2	2	16
Minor Injury	18	22	16	11	11	78
Non-Visible Injury	3	1	0	0	1	5
Total	28	26	18	13	14	99

Pedestrian Related Collisions

Collision Soverity	Year					Total
Comsion Sevenity	2013	2014	2015	2016	2017	
Killed	2	2	3	4	2	13
Serious Injury	9	9	8	12	9	47
Minor Injury	40	36	36	28	39	179
Non-Visible Injury	5	3	2	4	3	17
Total	56	50	49	48	53	256

Bicycle and Pedestrian Collisions by Severity





Injuries from years 2013-2017



Map 5.5 **Bicycle and Pedestrian Collisions**

FEATURES	Г	1 Mile		N
Parks and Conservation		Fatal Injury		Non-Visil
Lakes and Rivers	\bigcirc	Ambulatory		Injury
+++ Railroads	0	Injury Visible Injury	0	Other

ABOUT THIS MAP:

This map depicts collision locations and the severity of the collision involving bicyclists and pedestrians. The dataset is provided by VDOT and the Virginia State Police for years 2013-2017.

Visible

CHAPTER 6 LOCALITY-APPROVED PLANS

CHAPTER 6 | LOCALITY-APPROVED PLANS

Approved Plans

The existing recommendation maps on Albemarle County's Comprehensive Plan divided the following pages are a compilation of all the county into designated development areas existing bicycle and pedestrian infrastructure and rural areas. As part of the Comprehensive recommendations. These recommendations Plan, master plans have been created for each come from formally adopted plans in the region of the designated development areas with the at the time of this Plan's development. The intent of the areas being more urban in character City of Charlottesville, Albemarle County, and than suburban. The bicycle and pedestrian UVA have approved plans for bicycle and aspects of each plan were considered when pedestrian infrastructure and these efforts were developing the regional plan. Recommendations incorporated when developing this regional come from the Parks & Green System and Future plan. The urban section of this Plan focuses on Land Use chapters from each master plan. The the City, UVA, Albemarle County designated urban section of this Plan includes a few corridors development areas, and the connections in Albemarle's rural areas that are included to between them, including the Hydraulic Small connect the designated development areas. Area Plan. Plans for the rural areas can be found in Section III of this document.

Previous Plans Considered City of Charlottesville:

Bicycle and Pedestrian Master Plan Update

The City of Charlottesville describes the plan as: "Passed by City Council on September 18, the 2015 Bicycle and Pedestrian Master Plan is the vision and guiding document for bicycle, pedestrian, and multi-use trail connections in the City. It is a physical and action-oriented plan that builds upon the 2003 Bicycle and Pedestrian Plan and will complement the Streets that Work Plan that is also taking place [in 2015]."



Albemarle County:

Albemarle County Comprehensive Plan

The following are the master plans that are part of the Comprehensive Plan, as well as when each plan was adopted.

- Crozet Master Plan
 - Adopted October 13, 2010
- Pantops Master Plan
 - Adopted March 17, 2008, an update is currently underway
- Places29 Master Plan
 - Adopted February 2, 2011, amended June 10, 2015
- Southern and Western Urban Neighborhoods Master Plan
 - Adopted June 10, 2015, amended September 23, 2015
- Village of Rivanna Master Plan
 - Adopted May 12, 2010, amended on June 10, 2015

CHAPTER 6 | LOCALITY-APPROVED PLANS

CHAPTER 6 | LOCALITY-APPROVED PLANS

University of Virginia:

University of Virginia Bicycle Master Plan

In 2007, the University of Virginia completed a Bicycle Master Plan that included specific recommendations for bicycle infrastructure on UVA Grounds as well as bicycle connections to the surrounding areas that were all considered for the regional plan. The Bicycle Master Plan was also included in UVA's 2007 Transportation Demand Management Plan. In addition, planning for bicycle and pedestrian connectivity is an important consideration in all of UVA's planning efforts ranging from the 2008 Grounds Plan and subsequent Precinct Plans to specific district planning efforts for smaller areas of Grounds. All of these plans promote an environment that is connected to the greater community and facilitate bicycling and walking.

Charlottesville-Albemarle MPO:

The 2040 Long-Range Transportation Plan

The Charlottesville-Albemarle MPO's 2040 Long-Range Transportation Plan looks ahead three decades to assess future transportation projects vital for our region. The plan considers all modes of transportation including highways, roads, bus, rail, bicycle, pedestrian and air.





Figure 1: The Development Areas



Albemarle Comprehensive Plan ADOPTED June 10, 2015

8.5

Source: Albemarle County Comprehensive Plan







FEATURES

2 Miles



Ν

ABOUT THIS MAP:

This map provides the recommendations by type included in current and existing Plan recommendations from the localities within the TJPDC.

CHAPTER 7 CORRIDORS & PRIORITIZATION



CHAPTER 7 I CORRIDORS AND PRIORITIZATION

shared roads for bicyclists. The corridors shown **Overview** on the map were determined through public input and coordination with local government This chapter provides an explanation of the staff and other stakeholders. The facility type determination and prioritization of corridors for each corridor was generally identified based that provide regional connectivity for bicycle on the local plan. Corridors in the City are also and pedestrian transportation in the urban largely consistent with the Streets That Work area. Regional corridors were determined design guidelines. The network shown provides based on the current bicycle and pedestrian interconnected infrastructure that provides route plans discussed in Chapter 6 and additional options that would allow for safe and convenient discussions with stakeholders and the public. bicycle and pedestrian travel throughout the Once the regional corridors were identified and region. The corridors indicate general areas. individual project segments were determined, They are not meant to indicate exact locations the projects within the urban area were of the proposed infrastructure, but rather to evaluated using the ActiveTrans Priority Tool to suggest general corridors and connections. A prioritize and rank the project segments. The map and table with basic information for each large number of projects made it important to corridor segment is presented in Appendix A. objectively evaluate projects to indicate the relative need for and benefit of each segment. The next pages show the regional corridors The initial stage of prioritization used five and provide maps to indicate the impact of categories with multiple measurable variables this bicycle and pedestrian infrastructure that were evaluated to determine ranking. This on local residents, access to transit stops ranking was followed by adjustments to account and destinations in the region. Bicycle and for aspects such as alternate routes, public pedestrian infrastructure provides local residents support, and costs to create a final prioritization.

with access to jobs and important destinations. It is essential to ensure that this infrastructure is As described in Chapter 1, the goal of this Plan provided appropriately to all communities. Maps is to guide and encourage implementation of 7.2 and 7.2.1 show information about the race bicycle and pedestrian infrastructure in the of residents in the region. An understanding of region. Two of the main results of this Plan are the history and culture of various communities the corridors identified in this chapter and the in the region is important for appropriately prioritization of these corridors. implementing the corridors shown. Providing adequate connections to regional destinations Corridors is essential, with Maps 7.3-7.3.5 showing these destinations. The CAT bus system is shown in **Determination of Regional Corridors** Figure 7.1 with bus stops shown in Map 7.4, as Chapter 6 presented the many projects proposed the regional bicycle and pedestrian corridors will as part of bicycle and pedestrian plans created provide access to the transit system. Park-andby the City, County and UVA. As a regional ride lots are also shown, as these are places plan, this Plan seeks to encourage creation of a where someone can park their vehicle and ride regional bicycle and pedestrian network that is a bicycle to their destination. Map 7.5 indicates complemented by local bicycle and pedestrian the connected and comprehensive nature of infrastructure in the City and County. As shown the proposed network, with many different by the map on the next page, this regional route options for those bicycling and walking network includes multiple facility types including throughout the region. Bicycle and pedestrian shared use paths for bicyclists and pedestrians, infrastructure is an important part of the regional sidewalks for pedestrians, and bike lanes and multimodal transportation network.



Map 7.1 **Regional Corridors**

FEATURES

- Parks and Conservation --- Proposed Bike Lane and Sidewalk Lakes and Rivers **+++** Railroads
 - ----- Existing Bike Lane and Sidewalk

2 Miles

--- Proposed Shared Road and Sidewalk ----- Existing Shared Road and Sidewalk

N

- ABOUT THIS MAP: This map depicts the corridors identified as the regional bicycle and pedestrian network. An interactive version of this map is available online.
 - --- Proposed Shared Use Path

- ----- Existing Shared Use Path
- --- Rural Corridors



Map 7.1.1 **Regional Corridors**

.5 Mile



Existing Bike Lane and Sidewalk --- Proposed Shared Road and Sidewalk

ABOUT THIS MAP: This map depicts the corridors identified as the regional bicycle and pedestrian network. An interactive version of this map is available online.

- ----- Existing Shared Road and Sidewalk
- --- Proposed Shared Use Path
- ----- Existing Shared Use Path
- --- Rural Corridors



Map 7.2 **Regional Demographics**

FEATURES	;
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	Parks and Conserva
	Lakes and Rivers
+++	Railroads

ation — Urban Corridors Asian --- Rural Corridors • 1 Dot= 2 Persons • White

Ν

2 Miles

ABOUT THIS MAP: This map shows the regional bicycle and pedestrian corridors overlayed with race and population density. Data is taken from the American Community Survey. The map is inspired by The Racial Dot Map created by The University of Virginia.

- Black Hispanic
 - Other/ Native American/ Multi-Racial

Map 7.2.1 **Regional Demographics** .5 Mile FEATURES Parks and Conservation — Urban Corridors

Lakes and Rivers

HRailroads

CHAPTER 7 I CORRIDORS AND PRIORITIZATION

--- Rural Corridors

1 Dot= 1 Person



ABOUT THIS MAP: This map shows the regional bicycle and pedestrian corridors overlayed with race and population density. Data is taken from the American Community Survey. The map is inspired by The Racial Dot Map created by The University of Virginia.

- Black Hispanic
- Asian • Other/ Native American/ Multi-Racial
- White

Ν



CHAPTER 7 | CORRIDORS AND PRIORITIZATION N

Major Destinations

Health Services

- A. Region Ten
- B. Sentara Martha Jefferson Family Medicine and Clinic
- C. Fontaine Research Park
- D. UVA Hospital
- E. University Medical Associates
- F Region Ten
- G. Sentara Starr Hill Health Center
- H. Central Virginia Health Services
- Region Ten
- Downtown Family Health Care J.
- K. Region Ten



- Sentara Martha Jefferson Family Medicine L.
- M. The Women's Initiative
- N. MedExpress Urgent Care
- O. Sentara Martha Jefferson Hospital
- Ρ. Thomas Jefferson Health District Office
- Q. Sentara Blue Ridge Internal Medicine
- R. UVA Transitional Care Hospital
- S. Region Ten
- Τ. MedExpress Urgent Care
- U. Community Dental Center
- V. UVA Primary Care Riverside
- W. Sentara Forest Lakes Family Medicine
- X. Region Ten



CHAPTER 7 | CORRIDORS AND PRIORITIZATION

Major Destinations

Parks

- A. Azalea Park
- В. Jordan Park
- C. Quarry Park
- D. Belmont Park
- E. Rives Park
- F Forest Hills Park
- Tonsler Park G.
- Η. Meade Park
- Riverview Park
- Booker T. Washington Park J.
- Greenleaf Park Κ.
- McIntire Park
- Darden Towe Park М.
- N. Pen Park
- O. Greenbrier Park
- P. Charlotte-Yancy-Humphris Park
- Q. Ivy Creek Foundation
- R. Biscuit Run Park
- S. Claudius Crozet Park
- T. Beaver Creek reservoir Park

Schools

- A. Meriwether Lewis Elementary
- St. Anne's Belfield (Upper) В.
- St. Anne's Belfield (Lower) C.
- D. Venable Elementary
- E. Buford Middle School
- Johnson Elementary F.
- G. Jackson-Via Elementary
- The Covenant School Н.
- Paul H. Cale Elementary
- Tandem Friends School J.
- Κ. Monticello High School
- Clark Elementary
- Burnley-Moran Elementary М.
- N. Mountaintop Montessori Community School
- Jackson P. Burley Middle School О.
- Ρ. Charlottesville High School
- Q. Walker Elementary
- R. Charlottesville Catholic School
- Charlottesville Waldorf School S.
- Τ. Greenbrier Elementary
- Albemarle High School U.
- V. Ivy Creek School

- W. Jack Jouett Middle School
- X. Mary Carr Greer Elementary
- Y. Agnor-Hurt Elementary
- Z. Woodbrook Elementary
- AA. Hollymead Elementary
- BB. Mortimer Y. Sutherland Middle School
- CC. Baker-Butler Elementary
- DD. Western Albemarle High School
- EE. Joseph T. Henley Middle School
- FF. Brownsville Elementary
- GG. Crozet Elementary

Shopping

- A. Southside Shopping Center
- 5th Street Station Β.
- Cherry Avenue Shopping Center C.
- West Main Street D.
- F. Downtown Mall
- Pantops Shopping Center F.
- G. Preston Plaza
- H. The Corner
- Ivy Square Shopping Center
- Townside Shopping Center J.
- Barracks Road Shopping Center Κ.
- The Shops at Stonefield L.
- M. Seminole Square
- N. 29th Place
- O. Fashion Square Mall
- Albemarle Square Ρ.
- Q. Rio Hill Center
- R. Hollymead Town Center
- Crozet Great Valu Foods S.
- T. Blue Ridge Shopping Center

Libraries

- A. Jefferson-Madison Regional Library
- B. Gordon Avenue Library
- C. Northside Library
- D. Crozet Library

Culture

- AA. The Rotunda
- BB. Thomas Jefferson's Monticello
- CC. James Monroe's Highland







2 Miles

FEATURES Parks and Conservation — Urban Corridors Lakes and Rivers **H**Railroads

Ν

ABOUT THIS MAP: This map shows public and private schools in the region. A listing of the schools in coordination with the letter identifier can be found on page 61.



Map 7.3.4 **Major Destinations**





Ν

ABOUT THIS MAP: This map shows the shopping centers in the region. A listing of the shopping centers in coordination with the letter identifier can be found on page 61.



Map 7.3.5 **Major Destinations**

FEATURES



2 Miles

ABOUT THIS MAP: This map shows the libraries and places of cultural significance in the region. A listing of the libraries and places of cultural significance in coordination with the letter identifier can be found on page 61.

Ν

Library

Culture







Map 7.4 Bus Stops and Park and Ride Lots

FEATURES

2 Miles



66 THOMAS JEFFERSON PDC | JEFFERSON AREA BICYCLE AND PEDESTRIAN PLAN

ABOUT THIS MAP: This map shows the regional bicycle and pedestrian corridors, Park and Ride lots, and existing transit stops including CAT, UTS, and JAUNT 29 Express.

Ν

- Bus Stop



Prioritization

ActiveTrans Priority Tool

The ActiveTrans Priority Tool (APT) is a step-byfound in Appendix A. step methodology, developed by the National Cooperative Highway Research Program, The resulting corridor prioritization indicates that designed to prioritize bicycle and pedestrian all corridors are an important part of the regional improvement projects. The tool allows for the network and should be pursued as opportunities flexibility to choose variables that reflect the arise, with the tier 1 corridors being pieces that needs and values of the community. The APT would have the greatest impact on the regional is a spreadsheet tool that incorporates the bicycle and pedestrian network. Both the APT identified categories and variables, scaling evaluation and additional adjustments were measures, and weights for each category to completed primarily by assessing transportation calculate prioritization scores and ranks. The benefits, with the expectation that infrastructure prioritization criteria are shown below. Additional that is used for walking and bicycling for details about prioritization methodology can be transportation will have other benefits. When found in Appendix B. making funding decisions the City, County, and other funders of this infrastructure, are likely to take into account additional factors, such as The results of the ActiveTrans Priority Tool recreational value, economic development, or (APT) were presented to the public and other environmental restoration. The next chapter stakeholders, and adjustments were made will discuss how to ensure that future planning to create the final prioritization shown on the and implementation efforts are coordinated to next page. The adjustments made reflected

Prioritized Corridors

maximize benefit for the region. public input, existing efforts by the City and

Categories and variables for scoring with ActiveTrans Priority Tool (APT)

DESTINATIONS

- project)
- Projected 2045 population density (within 0.5 miles of project)
- Projected 2045 employment density (within 0.5 miles of project)

EQUITY

- Proportion of residents in Poverty (within 0.5 miles of project)
- Proportion of residents who are Minority (within 0.5 miles of project)
- Proportion of households with zero vehicles (within 0.5 miles of project)

IMPROVEMENT OVER EXISTING CONDITIONS

Points awarded for new infrastructure

- 4 points For each new sidewalk or bike lanes
- 1 point New shared road

DEMAND

corridor (using an analysis done with the StreetLight Data platform)

CONNECTIVITY

- At City/County boundary (10 points if yes, 2 points if no)
- Addresses major barrier (10 points if yes, 2 points if no)
- if yes, 2 points if no)

County, areas with parallel corridors, and major costs or benefits that were not included in the APT evaluation. The corridor segments, and associated prioritization information, can be

PRIORITIZATION CRITERIA

• Number of schools, libraries, parks, polling places, and grocery stores (within 0.5 miles of

• 10 points – New shared use path, where there is no existing bike/ped infrastructure • 7 points – New shared use path, where there is any existing bike/ped infrastructure

• A measure of relative # of current trips (all modes) shorter than 5 miles in length on the

• Connects to other infrastructure (existing or proposed) at an identified junction/hub (10 points



Map 7.6 **Corridor Prioritization**



ABOUT THIS MAP: This map depicts the prioritization of the regional corridors. Please see Chapter 10 for additional input on the rural corridors.



Map 7.6.1 **Corridor Prioritization**



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ABOUT THIS MAP: This map depicts the prioritization of the regional corridors. Please see Chapter 10 for additional input on the rural corridors.
CHAPTER 8 IMPLEMENTATION STRATEGIES



CHAPTER 8 | IMPLEMENTATION STRATEGIES

Overview

Building on the corridors and prioritization from Chapter 7, this chapter will provide an overview of work to be done to implement the recommendations of this Plan and construct the regional bicycle and pedestrian network. One key aspect is coordination of implementation efforts between the City of Charlottesville, Albemarle County, the University of Virginia and other governmental and private entities. The first part of this chapter will identify some locations where this coordination is particularly necessary. Strategies for implementation will then be discussed, including both short-term possibilities and potential funding opportunities for largerscale implementation. Finally, this chapter will present additional next steps to encourage implementation of the regional bicycle and pedestrian network.

Coordination

Many different jurisdictions and agencies are responsible for planning, construction and maintenance of bicycle and pedestrian infrastructure in the region. These include the City of Charlottesville, Albemarle County, University of Virginia, the Virginia Department of Transportation (VDOT), the Charlottesville-Albemarle Metropolitan Planning Organization (MPO), and a few large private entities. Ensuring coordination between these stakeholders is an essential part of effectively implementing this plan. Locations where this coordination is particularly necessary have been identified.

Multi-Stakeholder Coordination Areas Fifth Street Hub

- Development of a shared use path and other potential trails in the areas of the City and the County around Biscuit Run, 5th Street, and 5th Street Station Parkway
- TJPDC has coordinated with the City and County, and received state funding to plan and construct the path
- Continued coordination will be necessary to ensure that infrastructure is built that completes the larger corridors that this hub is connected to, including Biscuit Run, 5th Street, and Moores Creek



CHAPTER 8 | IMPLEMENTATION STRATEGIES

Hydraulic/29 Area Plan

- VDOT coordinated with the City, County, and MPO to have a study completed to identify preferred alternatives for land use and transportation in the areas of the City and the County around the intersection of Hydraulic Road and US 29
- The creation of Hillsdale Drive added bicycle and pedestrian infrastructure along the US 29 corridor, with an additional connection needed along Hydraulic Road between Hillsdale Drive and the bypass

The transportation aspect includes multiple grade-separated interchanges or bridges that would build new bicycle and pedestrian infrastructure and improve connections across US 29

• If funding is not obtained through SMART SCALE, stakeholders will need to identify other possible funding opportunities or determine if less expensive or phased solutions can be found to improve bicycle and pedestrian safety and access across US 29



CHAPTER 8 | IMPLEMENTATION STRATEGIES

1. Avon Street Corridor

- Avon Street, particularly in the County, ha been identified as an area where pedestrial and bicycle improvements are needed to improve safety, with the narrow bridge over I-64 being a particular safety concern
- Improvements made by the County should be coordinated with City plans to build **Route 53 and Saunders-Monticello Trail** infrastructure in the corridor, which may The Route 20 and I-64 interchange does not include a combination of bike lanes on Avon include bicycle or pedestrian infrastructure Street, bike lanes on 6th Street, and a path and has many dangerous conflict points for anyone bicycling or walking along Moores Creek connecting to a path along Pollocks Branch Creek to Elliot Avenue

2. Old Lynchburg, Sunset Ave and 5th Street

• Each of these roads do not have bicycle or pedestrian infrastructure when crossing I-64, which is a safety concern and major barrier to bicycle and pedestrian connectivity



 VDOT is necessary to create connected bicycle and pedestrian infrastructure along these roads and larger corridors stretching from Southwood toward UVA and downtown Charlottesville 	•	Coordination between the City, County, and
In bicycle and pedestrian infrastructure along these roads and larger corridors stretching from Southwood toward UVA and downtown Charlottesville	IS	VDOT is necessary to create connected
these roads and larger corridors stretching from Southwood toward UVA and downtown Charlottesville	n	bicycle and pedestrian infrastructure along
er from Southwood toward UVA and downtown Charlottesville	0	these roads and larger corridors stretching
Charlottesville	er	from Southwood toward UVA and downtown
		Charlottesville

3. Route 20 and underpass connection to

• A bicycle and pedestrian path under I-64 has been proposed to connect to Route 53 and the Saunders-Monticello Trail, and the City is planning to study this connection

CHAPTER 8 | IMPLEMENTATION STRATEGIES

- 1. Carlton Ave, Broadway St, and bridge over **Rivanna River**
- This has been identified as a potential key corridor between Pantops and downtown Charlottesville
- Development is occurring on a site at the confluence of Moores Creek and the Rivanna River, in Albemarle County
- The corridor serves a diverse neighborhood in Charlottesville, including a mobile home park and multiple developments that include affordable housing
- Multiple potential locations have been discussed for the bridge over the Rivanna River and connection to Pantops, with a study needed to identify the most appropriate alignment
- Discussions between the City and County coordinated bicycle regarding and pedestrian improvements are in the early stages

2. Rivanna River Corridor

- In addition to a bicycle and pedestrian bridge between Pantops and Woolen Mills, new or improved bicycle and pedestrian connections across the Rivanna River are proposed at Free Bridge and between Darden Towe Park and Pen Park
- Completion of a path through Pen Park and following the River to US 29 will involve continued coordination between the City and County
- Implementation of the path along this corridor should be included in and informed by work being done as part of the Rivanna River Area Plan



CHAPTER 8 | IMPLEMENTATION STRATEGIES

- 1. Fontaine Ave and Ivy Rd crossings of US 29 Bypass
- Fontaine Ave and Ivy Rd are both key The following three projects may require coordination between the City, County, and UVA connections between Charlottesville, UVA, and the Western development areas in • Continuation of the shared use path that Albemarle County
- The MPO submitted an application for SMART to Copeley Road SCALE funding to change the Fontaine interchange with US 29 to a diverging Creation of a bicycle and pedestrian diamond interchange, including construction connection between Copeley Rd or Seymour Road to Arlington Boulevard and Millmont of a shared use path Street
- If the Fontaine interchange funding is · Addition of bike lanes on Copeley Road provided, VDOT and the County should between Massie Rd and Ivy Road ensure that the project extends to the City line where bicycle and pedestrian 3. Railroad Tunnel improvements have been funded
- Planning and constructing bicycle and connection pedestrian infrastructure on Ivy Road, particularly at the interchange with the Coordination should continue between UVA bypass, will require coordination between and the City regarding the exact location of the County and UVA this project



2. Near University Hall and John Paul Jones Arena

- crosses Goodwin bridge along Massie Road

- UVA has been exploring the feasibility of this

1. Meadow Creek near Greenbrier Dr

• Creation of this shared use path is a key connection between the City's planned path network and the County, and will require coordination between the City and County

2. Railroad Tunnel

• The City and County will need to coordinate to construct a tunnel that connects the path along Meadow Creek to the path along John Warner Parkway

CHAPTER 8 | IMPLEMENTATION STRATEGIES

3. Intersection of Rio Rd, Park St and Melbourne Rd

• The improvements to these roads, along with connection to a proposed shared use path along Meadow Creek, will need continued coordination between the City and County



CHAPTER 8 | IMPLEMENTATION STRATEGIES

Funding Implementation

Implementation of this Plan and completion of a regional bicycle and pedestrian network is a large-scale and long-term project that will take effort from all stakeholders involved. Below is a table with initial cost estimates for creation of the entire network of regional corridors. The estimates were created with a VDOT planning level cost estimation tool and indicate low and high values for construction costs, using 2020 as the year of construction. These estimates do not account for land and easements already acquired by local governments, and also do not fully account for potential construction challenges. Cost estimation by corridor segment can be found in Appendix A, but more detailed cost estimation will be necessary prior to funding improvements. An important first step of implementation is that the City, County and VDOT are already ensuring that new or upgraded roadways include bicycle and pedestrian infrastructure. The following pages indicate additional strategies for implementation related to both short-term possibilities and potential funding opportunities for addressing challenges and achieving larger-scale implementation.

Cost Estimates (in millions) for Regional Corridors							
Low High							
Tier I Total	\$54	\$102					
Tier II Total	\$80	\$164					
Tier III Total	\$79	\$172					
Total of All	\$213	\$438					

Short-Term & Low-Cost Strategies

Many bike lanes in the region have been Construction of the infrastructure network laid created at relatively low cost by adding the lanes out in this Plan will require funding from many when a road is repaved, although this is only sources, including both public and private, feasible if the road is already wide enough to and coming from local, state and federal accommodate the bike lanes. A similar strategy organizations and agencies. The adjacent table that will be valuable in a few cases is reducing lists the primary sources that have been used to the number of vehicle travel lanes on a road and fund bicycle and pedestrian infrastructure in the redesigning the roadway with increased bicycle region, with much of the funding coming from and pedestrian infrastructure, commonly called a VDOT for transportation-oriented improvements. "road diet". Local funds have been important for planning

Many cities have used temporary demonstration projects, also known as pop-up infrastructure, as a low-cost test of potential infrastructure projects such as bike lanes³. This is particularly helpful in building public support or identifying opposition to potential changes to roads. In 2016, the City of Charlottesville had a day where multiple different bicycle and pedestrian improvements were temporarily installed⁴. Recently, a pop-up bike lane was used to build support for planned bike lanes in Richmond, Virginia⁵. Demonstration projects can be beneficial in almost any situation, but they may be particularly helpful for projects that would impact low-income or minority communities. Along with building support or identifying opposition, demonstrations projects make it easier for communities to have a voice in the improvements being made in their neighborhoods.

Given that acquisition of land or easements is often one of the most significant challenges and costs associated with bicycle and pedestrian projects, any opportunities should be pursued to reduce these challenges and costs. One potential opportunity is to co-locate paths along existing or new utility easements, such as water and sewer lines. Other potential opportunities include working with homeowners associations and other large landowners to identify mutuallybeneficial bicycle and pedestrian infrastructure on these properties. These opportunities are in addition to the efforts that the City and County already have in place to ensure that new developments include appropriate bicycle and pedestrian infrastructure.

and creation of bicycle and pedestrian infrastructure in the region. Local funds will continue to be essential, both as matching funds for larger grants and as implementation funds. The funding list below is not comprehensive, as

stakeholders ranging from developers and nonprofit organizations to governmental agencies such as health departments are increasingly involved in bicycle and pedestrian work.

Major Public Funding Sources

Program	Funding Agency	Brief Description
Transportation Alternatives Program (TAP)	VDOT	Funds a range of bicycle, pedestrian, and non- motorized transportation projects
HSIP Bicycle and Pedestrian Safety Program	VDOT	Funds bicycle and pedestrian projects with demonstrated safety need, generally funds relatively low-cost projects
Recreational Access Program	VDOT	Funds bicycle projects that provide "access to public recreational or historic areas owned by the Commonwealth of Virginia or a local government"
Recreational Trails Program	DCR	Funds off-road trails and paths
SMART SCALE	VDOT	Competitive state funding for a wide range of transportation projects, including bicycle and pedestrian projects
Open Container Program	VDOT	Funds bicycle and pedestrian projects with demonstrated safety need
BUILD	US DOT	Competitive national funding for a wide range of transportation projects, including bicycle and pedestrian projects
Local Capital Improvement Program (CIP) Funds	Locality	Local government funds that can be used for any purpose, are essential as matching funds for other programs
Revenue Sharing Program	VDOT	Funds a range of transportation projects, including bicycle and pedestrian projects; a local funding match is required

Next Steps

Along with the need for coordination on specific projects, and the work necessary to procure funding for implementation, additional steps can be taken by stakeholders throughout the region to encourage the successful implementation of this Plan.

The City, County and UVA can ensure that future plans created for bicycle and pedestrian infrastructure are consistent with, and build on, this Plan. Given the regional nature of this Plan, it is essential that the City, County and UVA

continue their own planning efforts to identify local needs, opportunities, and priorities. Continuous improvement of infrastructure is also necessary, as some infrastructure identified as existing in this plan may not be appealing to a wide range of users and would benefit from upgrades.

Along with City and County-wide planning efforts, some of the corridors presented in this plan will need additional studies to identify the most appropriate infrastructure and amenities. Based on the outreach completed by planning staff, the enthusiasm of citizens increases when discussing specific connections. Enhanced

CHAPTER 8 | IMPLEMENTATION STRATEGIES

outreach will be more essential (and fruitful) on a Engagement and outreach efforts to date corridor- or project-level. In addition to in-depth have revealed consensus support for a better assessments of specific corridors, a regional connected Charlottesville-Albemarle. It is study of bicycle and pedestrian access to transit important that these efforts continue throughout Plan implementation, not only to assure the best could provide detailed recommendations for sidewalks and other infrastructure that improves and most inclusive process, but also because the multimodal transportation network. a motivated and involved public will provide an important base of support. Communities The creation of an online regional dataset that successfully implement comprehensive and map has already begun and will improve systems like that envisioned here, do so through communication regarding existing bicycle and collaborative efforts among different government pedestrian infrastructure and the status of agencies, universities, foundations, advocacy planned infrastructure. This map, which will be groups, businesses, clubs, and individuals. This created by TJPDC using data provided by the collaboration is important for both infrastructure City, County and UVA, will allow stakeholders implementation and efforts such as safety and and the public to view all of the region's existing education programs for pedestrians, bicyclists bicycle and pedestrian infrastructure. It will and motorists. The groundwork for such a also show planned infrastructure, with the goal coalition exists in Charlottesville/Albemarle and of having information about the status of that building upon this framework will increase the chances of success.

infrastructure (i.e. funding received or applied for) also available. Once complete, this map will Finally, the MPO will need to continue be a valuable asset to those who are planning, coordination with the City, County and UVA funding, or advocating for bicycle and pedestrian regarding both implementation and additional infrastructure throughout the region. It will also be regional bicycle and pedestrian planning efforts. valuable for coordination with VDOT regarding The ongoing changes in bicycle and pedestrian existing infrastructure, which VDOT maintains planning caused by an increasing numbers of an inventory of, and planned connections. It users, new technology such as electric-assist may also be able to bring together data about bicycles, and new infrastructure best practices maintenance, condition of infrastructure, number make it important that bicycle and pedestrian of users, or location of facilities such as bicycle plans are frequently re-evaluated. As such, racks and fix-it stations. Subsets of this data it is expected that a review of this Plan with could potentially be made available to third appropriate updates and revisions will be made parties through open data portals. approximately five years after adoption.

Meetings of the Greenways Advisory Committee have been important in bringing together many people who value bicycle and pedestrian infrastructure from organizations and agencies with a variety of perspectives. While the role of this group may change over time, gathering this large group will likely continue to be valuable for collaboration discussion of the value of bicycle and pedestrian infrastructure and strategizing how to increase the amount of infrastructure and facilities built.



SECTION



CHAPTER 9 PROCESS & OUTREACH



CHAPTER 9 | PROCESS AND OUTREACH

Rural Bicycle & Pedestrian Planning

section assesses and provides This changes to ordinances or county plans that recommendations for the rural areas of the would increase implementation of bicycle and TJPDC region, including counties, towns and pedestrian infrastructure in the county. TJPDC development areas. Bicycle and pedestrian staff also contacted and worked with town planning for rural areas involves different managers and other town officials regarding opportunities and challenges than planning in recommendations for the towns in the region. urban areas. While transportation was the primary focus of recommendations for the Charlottesville **Types of Recommendations** and Albemarle urban areas, many of the recommendations for rural areas will primarily This Plan provides recommendations that benefit those bicycling, walking, or running for recreation. Nonetheless, transportation remains would increase safety for those bicycling or walking long distances in the region as well as an important aspect of bicycle and pedestrian infrastructure in rural areas, particularly in towns recommendations for bicycle and pedestrian infrastructure that would benefit people living in and development areas. Additionally, the benefit or visiting the towns and development areas in to tourists and the potential to increase tourism the region. is important to consider when planning bicycle and pedestrian infrastructure in rural areas.

Summary of Process

This Plan's recommendations for the region's nearby destinations. The James River Heritage counties, towns, and development areas were Trail is a path that would connect multiple developed through an assessment of relevant counties in this region and adjacent regions. A plans and studies and discussions with County. path of this type could also have tourism or other Town and VDOT staff. The Rural Technical economic development benefits in places, such Committee was also engaged throughout the as Scottsville, that are along the path. planning process. A heatmap of bicycle activity created by Strava, a company with an application Many of the towns and development areas in used by many bicyclists, was used to understand the region would benefit from shared use paths, current recreational cycling patterns. While not all bike lanes, and sidewalks. Given that these bicyclists use Strava, many recreational cyclists areas have a higher density of residents and use the app to track their rides. The heatmap destinations than the surrounding rural areas, aggregates this data to provide information bicycle and pedestrian infrastructure provides about the relative number of people bicycling transportation options for residents and tourists on roads throughout the region. This information in these areas. was valuable in identifying roads that may have a higher priority for improvements that increase The recommendations for roads in this section the safety and comfort for bicyclists.

are primarily meant to guide action by VDOT and county governments regarding improving For each county, TJPDC staff compiled conditions for bicyclists. Therefore, the roads information from relevant plans, including the indicated are not necessarily the most desirable Jefferson Area Bicycle and Pedestrian Plan routes for use by bicyclists currently. This Plan has completed in 2004, and met with County staff. identified many roads that could be improved to With assistance, the recommended bicycle

and pedestrian improvements for the County were identified. In addition to infrastructure recommendations, TJPDC discussed potential

Shared use paths that meet VDOT standards are recommended in multiple corridors in the region and would provide desirable places for people of all ages to bike or walk for recreation or to reach increase safety and comfort for bicyclists in the region. This Plan uses "rural shared road" as the primary recommendation for rural roads, which is meant to indicate that bicyclists will continue to ride on the road, either within the travel lane or on the shoulder, but conditions for these cyclists can be improved. These improvements could include widening and paving shoulders, adding signs to ensure that drivers are aware of the presence of cyclists, and improving intersections and other aspects of road design to accommodate bicyclists. This Plan has not identified the appropriate improvement for each road, but the following information should guide decisions by VDOT and county governments.

The Federal Highway Administration (FHWA) released a report titled Small Town and Rural Multimodal Networks in 2016, which provides guidelines and information regarding bicycle and pedestrian infrastructure. Among other recommendations, the report provides detailed information about implementing paved shoulders. Table 9.1, below, indicates recommended shoulder widths for different functional classes of rural roads. The report also suggests how to include rumble strips to help separate the travel lane and the shoulder without negatively impacting bicycles, which is an issue that was raised by local staff. Specifically, the report recommends that there be at least 4 feet of paved shoulder to the right of the rumble strips, with the rumble strips on or immediately adjacent to the edgeline of the road. Appropriate gaps in the rumble strips should be provided to allow for bicyclists to comfortably transfer between the travel lane and the paved

shoulder. Further details regarding design and implementation of paved shoulders, including safe configuration at intersections, can be found in the full report.

The TJPDC completed a corridor study for US <u>Bike Route 76</u> in 2015. This study included indepth analysis of the roads that are designated as part of Route 76 and detailed recommendations for potential re-routing and improvements to existing roads. Those recommendations are referenced in this Plan, and that study will remain a relevant document for use in identifying and implementing improvements to the Route 76 corridor.

Connection to RLRP and Other Plans

The Jefferson Area Bicycle and Pedestrian Plan will be integrated into the 2040 Rural Long-Range Transportation Plan by reference and will serve as the bicycle and pedestrian recommendations for the rural plan. This Plan may also be adopted by local governments through an outright adoption or by incorporating the recommendations into local comprehensive/ transportation plans when the local plans are updated. The bicycle and pedestrian recommendations will also be provided to VDOT, to indicate the need for funding through SMART SCALE, TAP, Safety, and other programs. TJPDC staff will also make efforts to ensure that overall goals and objectives related to bicycle and pedestrian infrastructure in the region are reflected in the statewide transportation plan known as VTRANS.

Table 9.1 Recommended Minimum Paved Shoulder Widths by Roadway Conditions								
Functional Classification	Volume (AADT)	Speed (mi/h)	Recommended Minimum Paved Shoulder Width					
Minor Collector	up to 1,100	35	5 ft					
Major Collector	up to 2,600	45	6.5 ft					
Minor Arterial	up to 6,000	55	7 ft					
Principal Arterial	up to 8,500	65	8 ft					

Source: Federal Highway Administration (FHWA)



CHAPTER 10 LOCAL ASSESSMENT

ALBEMARLE COUNTY

CHAPTER 10 | LOCAL ASSESSMENT

Existing Conditions

Bicycling in the rural areas of Albemarle includes The Albemarle County Comprehensive Plan people riding as a means of transportation, addresses bicycle and pedestrian infrastructure recreational bicycling by local residents, and in the rural areas from the perspective of both long-distance recreational riding on US Bike transportation and recreation. It particularly Route 76. Bike Route 76 traverses the county emphasizes paths, and specifically greenway East to West on existing roadways, and is signed paths/trails, as important future infrastructure. but does not have dedicated infrastructure The specific path recommendations in the Comp or facilities. Specific recommendations for Plan include along the James and Rivanna Rivers improving the route are provided for in the and along the US 250 corridor from the Blue Ridge Tunnel to Crozet, which would connect 2014 TJPDC Bicycle Route 76 Corridor Study. Recreational bicycling by local residents is to the proposed Three Notched Trail between Crozet and Charlottesville. particularly common, given the beautiful scenery and varied topography of the County and the proximity to residents of Charlottesville and Infrastructure Recommendations Albemarle's urban areas. Yet there is minimal This Plan has identified many roads that could be improved to increase safety and comfort for bicyclists in the region. This Plan uses "rural shared road" as the primary recommendation for rural roads, which is meant to indicate that bicyclists will continue to ride on the road, either within the travel lane or on the shoulder, but

infrastructure dedicated for bicycles in the rural areas of Albemarle County, with most roads not have paved shoulders to accommodate bicyclists. Similarly, pedestrian infrastructure has not been built out extensively. The Town of Scottsville has some sidewalks, but few other places in the County's rural areas have sidewalks or other pedestrian accommodations. conditions for these cyclists can be improved. These improvements could include widening Public outreach by Plan staff indicates that and paving shoulders, adding signs to ensure there is enthusiasm for increased bicycling that drivers are aware of the presence of cyclists, and walking opportunities in the County's rural and improving intersections and other aspects areas. Improving bicycle and pedestrian access of road design to accommodate bicyclists. This to Albemarle County's parks would benefit Plan has not identified detailed improvements residents of both the rural and urban areas. for each road, so exact improvements will need Improved facilities, combined with appropriate to be determined by VDOT and Albemarle promotion, could increase the tourism and County. Additional recommendations include economic development benefits of bicycling shared use paths that accommodate bicyclists and walking in the region. This could involve and pedestrians. The purpose of proposed drawing new tourists to the region, particularly improvements is to increase safety, provide if a long-distance path such as the James River transportation options, connect facilities and act Heritage Trail is built, or connecting tourists as a community improvement tool. already visiting the region to destinations such as breweries and wineries. Given the region's The rural recommendations for Albemarle historic sites, creating bicycle routes that follow County are shown in the maps on pages 91-93 historic paths, such as the route of Jack Jouett's and can be viewed online. The proposed shared ride, could also have potential tourism benefits. use paths are those included in the County's Comprehensive Plan:

Local Documents

The James River Heritage Trail

- A path along the Rivanna River connecting to Fluvanna County
- A path along the US 250 corridor connecting the urban areas to Crozet (included in the recommendations for the urban areas of Albemarle County)
- A path along the US 29 corridor connecting to Greene County (included in the recommendations for the urban areas of Albemarle County)
- Connectivity between Crozet and Rockfish Gap





Map 10.1.2 Infrastructure Recommendations

FEATURES

2 Miles

Parks and Conservation --- Proposed Bike Lane and Sidewalk --- Existing Bike Lane and Sidewalk Lakes and Rivers --- Proposed Shared Use Path **+++** Railroads — Existing Shared Use Path

ABOUT THIS MAP: This map depicts the corridors identified as the regional bicycle and pedestrian network.

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--- Proposed Shared Road and Sidewalk --- Proposed Rural Shared Road --- Proposed Sidewalk

----- Existing Sidewalk

Towns and Development Areas

Scottsville

- Install bike lanes on Valley St. from Jefferson St. to the Albemarle County line.
- Install bike lanes on Main St. from Valley St. to Rt. 6 (W. River Road)
- Build a shared use path along the James River in coordination with the Virginia Department of Conservation and Recreation for the James River Heritage Trail
- Build a shared use path connecting the neighborhood of Holly and Pine Rd. through the Van Cliff Nature Area to Jefferson St.

- Build a shared use path connecting the levee walk to the Hyosung Tire Plant redevelopment site
- Build a sidewalk on Bird St. leading to the existing levee walk trail
- Install a shared road on Jefferson St. to connect the Van Cliff Nature Area to Valley St.
- Install a shared road on Rt. 20 (Valley St.) from Jefferson St. to Rt. 6 (Irish Rd.)
- Install a shared road on Rt. 6 (Irish Rd.)
- Install a shared road on Warren St.
- Install a shared road on Hardware St.









Map 10.1.2 Infrastructure Recommendations

2 Miles

FEATURES Parks and Conservation --- Scottsville Boundary Lakes and Rivers **H**Railroads

--- Proposed Shared Use Path --- Proposed Rural Shared Road

ABOUT THIS MAP: This map depicts the corridors identified as the regional bicycle and pedestrian network.

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--- Proposed Bike Lane and Sidewalk

--- Proposed Sidewalk ---- Existing Sidewalk



Existing Conditions

Bicycling in Fluvanna County is generally for included connecting the Fluvanna Heritage recreational purposes. The County hosts Trail with Pleasant Grove Park by constructing a a section of the national Bike Route 76 bicycle and pedestrian bridge at the location of which traverses the county east to west on the old Route 15 bridge over the Rivanna River. existing roadways. The route is signed but no The Study also recommended spot safety and special facilities exist for the route. Specific shoulder improvements for minor connector recommendations for improving the route are roads including Route 53. provided for in the 2014 TJPDC Bicycle Route 76 Corridor Study. For the shorter distance The 2005 Palmyra Community Plan identified a recreational rider, the County network of low community desire for improving safety on Route volume back roads offer opportunities for 15 through roundabouts, sidewalks and bump recreational cyclists seeking quiet rural roads outs. The plan also recommended expanding and rural vistas. Areas of development density and constructing trails to link Lake Monticello that could support greater bicycling and with Pleasant Grove Park via an extension of the walking as trip mode alternatives include Lake Heritage trail. Monticello, Zion Crossroads, and Fork Union. Pedestrian facilities in Fluvanna County are The 2005 Fork Union Community Plan identified limited in scope. This is due in large part to the a community desire for adding sidewalks low density of the county and the spread-out and trails that connect separate parts of the nature of the land use. Areas with sidewalks do community. Mainly along Route 15. Since the exist in some of the higher density developments plan was finalized sidewalks have been added including Fork Union. Future growth in the Zion along Route 15. Additional sidewalks and bike Crossroads area will increase the need for an lanes should be further evaluated to complete integrated pedestrian facility that would provide the network in the Fork Union area. connections with Louis County.

Local Documents

There is currently minimal bicycle infrastructure in the county with only one official bike lane located along the Route 15 bridge over the Rivanna River in Palmyra. The 2015 County Comprehensive Plan identifies the need for bicycle facilities in and around Fork Union, Palmyra, Zion Crossroads, Lake Monticello and Columbia. Additionally, the comprehensive plan contains several goals and objectives related to bicycling.

This Plan has identified many roads that could The 2007 Northwest Fluvanna/Southeast Louisa be improved to increase safety and comfort Multimodal Corridor Study identified the need for bicyclists in the region. This Plan uses "rural for corridor improvements to address possible shared road" as the primary recommendation future growth in Fluvanna and Louisa in and for rural roads, which is meant to indicate that around the Zion Crossroads and Lake Monticello bicyclists will continue to ride on the road, either

areas. The study provided a roadmap of possible roadway treatment types and recommendations. Key bicycle and pedestrian recommendations

The 2005 Lake Monticello Community Plan identified a need for creating walking and bicycling trails that would provide access from the residential areas to the commercial areas outside the Lake Monticello Subdivision. The plan recommended that a network of on road and off-road facilities could be developed by LMOA within the subdivision and connected to public roadways around the lake such as Jefferson Drive.

Infrastructure Recommendations

within the travel lane or on the shoulder, but conditions for these cyclists can be improved. These improvements could include widening and paving shoulders, adding signs to ensure that drivers are aware of the presence of cyclists, and improving intersections and other aspects of road design to accommodate bicyclists. This Plan has not identified detailed improvements for each road, so exact improvements will

need to be determined by VDOT and Fluvanna County. Additional recommendations include shared use paths that accommodate bicyclists and pedestrians. The purpose of proposed improvements is to increase safety, provide transportation options, connect facilities and act as a community improvement tool. The recommendations include the following table and maps on pages 97-102.

Roadway/ Corridor	Segment	Improvement	Explanation
Route 6 (River Road)	Scottsville to Columbia	Paved Shoulders	Shoulder and spot safety improvements
Route 619 (Ruritan Lake Road)	Albemarle County line to Route 53	Paved Shoulders and/or Improved Signage	Shoulder and spot safety improvements detailed within the Bike Route 76 Study
Route 618 (Lake Monticello Road)	Route 53 to Route 600	Paved Shoulders	Shoulder and spot safety improvements
Route 600 (South Boston Road)	Route 618 to Route 53	Paved Shoulders	Shoulder and spot safety improvements
Route 53 (Thomas Jefferson Parkway)	Route 1015 to US 15	Paved Shoulders	Shoulder and spot safety improvements
Route 601 (Courthouse Road/Venable Road)	Palmyra to Kents Store	Paved Shoulders and/or Improved Signage	Shoulder and spot safety improvements detailed within the Bike Route 76 Study
Route 603 (Tabscott Road)	Kents Store to Goochland County line	Paved Shoulders and/or Improved Signage	Shoulder and spot safety improvements detailed within the Bike Route 76 Study
James River Trail	Scottsville to Goochland County line	Shared Use Path	Shared use path along the James River, as cited in the Virginia Outdoors Plan
Rivanna River Trail	Albemarle County line to Columbia	Shared Use Path	Shared use path along the Rivanna River
Route 659 (Kents Store Way)	Fluvanna County line to Route 601	Paved Shoulders and/or Improved Signage	Shoulder and spot safety improvements



Map 10.2.1 Infrastructure Recommendations

2 Miles

FEATURES	2 Miles				
Parks and Conservation	Proposed Bike Lane				
Lakes and Rivers	Proposed Shared Us				
+++ Railroads	Proposed Rural Share				

ABOUT THIS MAP: This map depicts the corridors identified as the regional bicycle and pedestrian network.

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and Sidewalk se Path ed Road

--- Proposed Sidewalk ----- Existing Sidewalk

Towns and Development Areas

Columbia

Connect the Village of Columbia with eventual completion of the James River Heritage Trail in a way that Columbia can serve as a key trail access point. Continue to make streetscape improvements along St. James Street and Stage Junction Road.

Fork Union

Add bike lanes on both sides of Route 15 through Fork Union. Also, extend the sidewalk on the eastern side of Route 15 from its current terminus to the BB&T bank plaza.

Lake Monticello

Provide shared use path and sidewalk facilities that will connect the Lake Monticello subdivision with the adjacent commercial developments. Also, provide bicycle and pedestrian facilities through the development via the main access roadways. Link Lake Monticello to Pleasant Grove and Palmyra through an extension of the Heritage Trail.

Palmyra

Install sidewalks and bike lanes along Route 15 as part of a streetscaping project. Also consider installing a pedestrian crosswalk at the intersection of Courthouse Road and Route 15. Extending the existing bike lane from the Route 15 Rivanna River bridge north to Courthouse Road would improve safety for cyclists traversing Bike Route 76.

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Zion Crossroads

Consider opportunities for an improved streetscape along US 15 in coordination with Louisa County as a tool to improve the US 15 corridor from Interstate 64 to the US 250 intersection.



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Map 10.2.2 Infrastructure Recommendations

FEATURES

Lakes and Rivers **HH** Railroads

Parks and Conservation --- Columbia Boundary --- Proposed Shared Use Path --- Proposed Rural Shared Road --- Proposed Sidewalk

2 Miles

ABOUT THIS MAP: This map depicts the corridors identified as the regional bicycle and pedestrian network.

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FEATURES



Lakes and Rivers **HH** Railroads

----- Existing Sidewalk

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identified as the regional bicycle and pedestrian network.

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2 Miles



Map 10.2.5 Infrastructure Recommendations

FEATURES

- Lakes and Rivers **+++** Railroads
- Parks and Conservation --- Proposed Shared Use Path Lakes and Rivers --- Proposed Bike Lane --- Proposed Rural Shared Road

Ν

2 Miles

ABOUT THIS MAP: This map depicts the corridors identified as the regional bicycle and pedestrian network.

> --- Proposed Sidewalk ----- Existing Sidewalk



Existing Conditions

Greene County contains roads that allow for recreational bicyclists to view the beautiful scenery and varied topography of the area. With these conditions, recreational bicycling on roads in the county is common. Bicycling for transportation is less common, given the low residential, employment, and destination density in most of the county. Nonetheless, some steps have been taken to encourage bicycling in the County, including the installation of bicycle racks at the Greene County Library and United Bank in Stanardsville. Pedestrian infrastructure, and walking for transportation, are also limited in the county. While not extensive, Stanardsville has a connected sidewalk network that has been recently improved. Phase I of a major streetscape project on Main Street is complete, with Phase II of the project expected to be constructed in 2019. As described in the next paragraph, local documents call for continuing to build bicycle and pedestrian infrastructure to increase transportation choice as development occurs in the county.

Local Documents

The Greene County Comprehensive Plan, adopted in 2016, indicates a desire for a multimodal transportation system that provides options for citizens to travel by walking, bicycling, vehicle or transit. The Comprehensive Plan was informed by a 2009 Multimodal Corridor Study for the US 29 and US 33 Development Areas in Greene County. The Comprehensive Plan particularly emphasizes the importance of a connected street network with multimodal infrastructure. It states "The mixed use, compact design strategies identified in the Future Land Use chapter for the Mixed Use Village and Town Centers and Mixed Use Residential areas. should emphasize a good street network and internal connectivity. In so doing, multiple travel options are provided. A good street network disperses traffic and good internal connectivity facilitates walking and bicycling and, in mixed

communities, allows for residential, use commercial and professional uses within walking or biking distance." The Multimodal Corridor Study presented an "Idealized Future Network," shown in the figure on page 105, that indicates potential future connections that would create a desirable street network.

The Town of Stanardsville Comprehensive Plan, adopted in 2017, notes that Stanardsville has a small area of connective street network. around Court House Square. The Plan suggests expanding this network with new streets that connect existing roads and provide convenient routes for people walking, bicycling, or driving. The Stanardsville Comprehensive Plan includes a figure from the Multimodal Corridor Study, shown on page 106, that illustrates how Stanardsville could grow and create a more connected street network. The Plan also indicates the desire for paths along the streams in town, to provide additional bicycle and pedestrian routes. Another recommendation of the Stanardsville Comprehensive Plan is to "divert heavy throughtruck traffic from Main Street by working with Greene County and VDOT to direct such traffic to the 33 bypass as an alternate route." The goal of this recommendation is to promote safe travel for pedestrians, bicycles and motorists.



GREENE COUNTY

MULTIMODAL CORRIDOR STUDY FOR US 29 AND US 33

Greene County - 2035 Thoroughfare Plan - Idealized Future Network



SEPTEMBER 2009



TRANSPORTATION FRAMEWORK PLAN

Source: Greene County 2035 Thoroughfare Plan



23 Town of Stanardsville Comprehensive Plan

Source: Town of Stanardsville Comprehensive Plan

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and improving intersections and other aspects Infrastructure Recommendations of road design to accommodate bicyclists. This Plan has not identified detailed improvements This Plan has identified many roads that could for each road, so exact improvements will be improved to increase safety and comfort need to be determined by VDOT and Greene for bicyclists in the region. This Plan uses "rural County. Additional recommendations include shared road" as the primary recommendation shared use paths that accommodate bicyclists for rural roads, which is meant to indicate that and pedestrians. The purpose of proposed bicyclists will continue to ride on the road, either improvements is to increase safety, provide within the travel lane or on the shoulder, but transportation options, connect facilities and conditions for these cyclists can be improved. act as a community improvement tool. The These improvements could include widening recommendations include the following table and paving shoulders, adding signs to ensure and maps on pages 108-111. that drivers are aware of the presence of cyclists,

Roadway/ Corridor	Segment	Improvement	Explanation
US 29 (Seminole Trail)	Albemarle County line to US 29 and US 33 intersection	Shared Use Path	This path would extend the proposed path in Albemarle County to allow for bicycling or walking along the US 29 corridor from Charlottesville and urban Albemarle County to Ruckersville.
US 33 (Spotswood Trail)	Stanardsville to US 29 and US 33 intersection	Shared Use Path	This path would connect residents of Standardsville and Ruckersville to the Greene County Community Park, as well as connecting to the proposed path along the US 29 corridor. While the map shows this path following US 33, the preferred location for the path along this corridor would need to be identified and may not closely follow US 33.
US 33 (Spotswood Trail)	Stanardsville to the Rockingham County line	Paved Shoulders	Shoulder and spot safety improvements
Route 230 (Madison Road)	Madison County line to Stanardsville	Paved Shoulders, Improved Signage, or both	Shoulder and spot safety improvements. and part of a corridor that Greene County is seeking to identify as a Scenic Byway.
Route 621 (South River Road)	Route 230 to the Rapidan Wildlife Management Area	Paved Shoulders, Improved Signage, or both	Shoulder and spot safety improvements
Route 810 (Dyke Road)	US 33 to Albemarle County line	Paved Shoulders, Improved Signage, or both	Shoulder and spot safety improvements and part of a corridor that Greene County is seeking to identify as a Scenic Byway.
Route 604/ 622 (Celt Road)	Stanardsville to Albemarle County line	Paved Shoulders and/or Improved Signage	Shoulder and spot safety improvements



Towns and Development Areas

Given that Stanardsville and Ruckersville have a relatively higher density of residents and destinations than the rest of Greene County, bicycle and pedestrian infrastructure provides transportation options and a recreational amenity for residents and tourists in these areas. The following are recommendations for these areas, and correspond to maps on pages 110-111.

Ruckersville

- Build bike lanes on a proposed road • Shared use path along Krystal Ct, Ford Ave connecting US 29 to US 33 (between Krystal Ct and Judges Rd), Judges Rd (between Ford Ave and Bray Rd), and Ensure that bicycle and pedestrian Bray Rd, connecting to the path at Main St infrastructure is included as part of the and Monroe Dr
- construction of new roadway connections

In 2018, Greene County adopted the Ruckersville Area Plan, which provides a conceptual road network for the Ruckersville area. The proposed conceptual road network was created with bicycle and pedestrian facilities at the forefront of the transportation network. Within the Ruckersville Area Plan, diagrams of the proposed conceptual road network can be found in Chapter 5, Appendix, on pages 53-55.



FEATURES

Parks and Conservation --- Proposed Bike Lane Lakes and Rivers **H**Railroads

--- Proposed Shared Use Path --- Proposed Rural Shared Road

Ν

2 Miles

--- Proposed Sidewalk ----- Existing Sidewalk

Stanardsville

- Shared use path (bicycle and pedestrian) along Mitchell Creek from Krystal Court and Ford Ave in the north, across Main Street and to the south boundary of the Town (potential connection to William Mills Drive or Tripple S Ranch Lane)
- Shared use path (bicycle and pedestrian) along the creek from Main Street (at Monroe Drive), across Celt Rd to the southern boundary of the town

- Complete Phase II of the Streetscape project on Main Street
- Crosswalk and potential sidewalk improvements on Celt Rd south of Stanard Street
 - Continue the sidewalk on Ford Ave from where it currently ends to the driveway of the apartment complex north of Judges Rd (or further north to Krystal Court)
 - Shared road signs or pavement markings along Main Street and Madison Rd, to accommodate people bicycling within Stanardsville and those riding longer distances around Greene County



Map 10.3.2 Infrastructure Recommendations

FEATURES

Lakes and Rivers **H**Railroads

Parks and Conservation --- Proposed Bike Lane --- Proposed Shared Use Path ---- Existing Sidewalk

N

.25 Mile

ABOUT THIS MAP: This map depicts the corridors identified as the regional bicycle and pedestrian network in Ruckersville.



Map 10.3.3 Infrastructure Recommendations

500 Feet

FEATURES Parks and Conservation --- Stanardsville Boundary Lakes and Rivers **H**Railroads

--- Proposed Shared Use Path --- Proposed Rural Shared Road

ABOUT THIS MAP: This map depicts the corridors identified as the regional bicycle and pedestrian network in Stanardsville.

N

--- Proposed Sidewalk ----- Existing Sidewalk

LOUISA COUNTY



CHAPTER 10 | LOCAL ASSESSMENT

Existing Conditions

Louisa County contains roads that allow for primary and secondary bicycle routes. Many of recreational bicyclists to view beautiful scenery these existing recommendations have been and varied topography. As such, recreational incorporated into this plan. bicycling on roads in the County is common. Bicycling for transportation is less common, The 2018 Town of Louisa Comprehensive Plan given the low residential, employment, and destination density in most of the County. U.S. includes several recommendations related to bicycle and pedestrian facilities. One item is Bicycle Route 76 traverses Louisa County to develop and encourage bicycle repair and and travels along existing rural roads. Some parking stations along Courthouse Square steps have been taken along the Route 76 to area parking and pedestrian sections. Other provide additional bicycle infrastructure. This recommendations include building new includes route signage and a section of bike sidewalks in the town and replacing existing lanes along Route 618. Pedestrian infrastructure. and walking for transportation, are also limited non-compliant sidewalks. The town received a TEA 21 grant for streetscape improvements. in the county. While not extensive, the towns These improvements were completed in 2015 of Mineral and Louisa each have a somewhat and have added features to increase pedestrian connected sidewalk network. Sidewalks also safety, including crosswalks, sidewalks, lighting exist in the Zion Crossroads growth area. Most and traffic calming measures in the downtown of the sidewalk network is disconnected and provides limited access to existing businesses area. and apartment complexes. As described in the next section, local documents call for continuing The 2018 Town of Mineral Comprehensive Plan to build bicycle and pedestrian infrastructure to includes a recommendation for including bike increase transportation choice as development lanes along Mineral and Louisa Avenue(s). The occurs in the county.

Local Documents

The Louisa County Comprehensive Plan, adopted in 2012 indicates a desire for ensuring residents have an efficient and safe transportation network. The Comprehensive Plan recognizes the value that Bike Route 76 brings to the county and identifies opportunities for recreational cycling on secondary and back roads as a tourism opportunity. The plan identifies the need for improved facilities along Route 76 and for improved pedestrian facilities in growth areas and where appropriate. The Comprehensive Plan includes several objectives related to bicycle and pedestrian infrastructure. This includes a rural transportation strategy that states, "bicycle routes should be designated in the plan to allow VDOT participation in the future." The Comprehensive Plan also includes

recommendations from the 2004 Jefferson Area Bicycle, Pedestrian, and Greenways Plan. The Greenways plan recommendations include both

Comprehensive Plan also identifies bicycle and pedestrian infrastructure as an important component of its "Town to Be" vision. The "Town to Be" vision focuses on revitalizing Mineral Avenue and the downtown Mineral core through streetscaping and other placemaking treatments.

Infrastructure Recommendations

This Plan has identified many roads that could be improved to increase safety and comfort for bicyclists in the region. This Plan uses "rural shared road" as the primary recommendation for rural roads, which is meant to indicate that bicyclists will continue to ride on the road, either within the travel lane or on the shoulder, but conditions for these cyclists can be improved. These improvements could include widening and paving shoulders, adding signs to ensure that drivers are aware of the presence of cyclists, and improving intersections and other aspects of road design to accommodate bicyclists. This Plan has not identified detailed improvements for each road, so exact improvements will need to be determined by VDOT and Louisa County. Additional recommendations include shared use paths that accommodate bicyclists

and pedestrians. The purpose of proposed improvements is to increase safety, provide transportation options, connect facilities and act as a community improvement tool. The recommendations include the following table and maps on pages 115-119.

Roadway/ Corridor	Segment	Improvement	Explanation
Bike Route 76	Entire route in Louisa County	Paved Shoulders and/or Improved signage	Shoulder and spot safety improvements detailed within the Bike Route 76 Corridor Study
Route 208 (Davis Highway)	Between the towns of Louisa and Mineral	Shared Use Path	Connect the towns of Louisa and Mineral with a Shared Use Path via the Betty Queen Center and the public schools
US 33 (Jefferson Highway)	Route 208 to Route 605	Paved Shoulders and/or Improved signage	Shoulder and spot safety improvements; particularly within the 2-lane segment
US 33/ Route 22 (Louisa Road)	Town of Louisa to Albemarle County line	Paved Shoulders and/or Improved Signage	Shoulder and spot safety improvements
Route 208 (Courthouse Road)	US 250 to Town of Louisa line	Paved Shoulders and/or Improved Signage	Shoulder and spot safety improvements
Route 640 (West Old Mountain Road)	Route 240 to Route 208	Paved Shoulders and/or Improved signage	Shoulder and spot safety improvements
Route 640 (East Jack Jouett Road)	Route 208 to Route 638	Paved Shoulders and/or Improved signage	Shoulder and spot safety improvements
Route 617 (East Green Springs Road)	Route 638 to Route 15	Paved Shoulders and/or Improved signage	Shoulder and spot safety improvements
Route 617 (West Green Springs Road)	Route 15 to Route 615	Paved Shoulders and/or Improved signage	Shoulder and spot safety improvements
Route 615 (Columbia Road)	Route 617 to Route 627	Paved Shoulders and/or Improved signage	Shoulder and spot safety improvements
Route 627 (Zion Road)	Route 617 to Fluvanna County line	Paved Shoulders and/or Improved signage	Shoulder and spot safety improvements





FEATURES

Parks and Conservation --- Proposed Bike Lane — Existing Bike Lane Lakes and Rivers --- Proposed Shared Use Path **+++** Railroads --- Proposed Rural Shared Road



ABOUT THIS MAP: This map depicts the corridors identified as the regional bicycle and pedestrian network in Louisa County.

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2 Miles

----- Existing Sidewalk

Towns and Development Areas

Given that Louisa, Mineral, and Zion Crossroads have a relatively higher density of residents and destinations than the rest of Louisa County, bicycle and pedestrian infrastructure provides transportation options and a recreational amenity for residents and tourists in these areas. The following are recommendations for these areas:

Town of Mineral

- Construct new sidewalks that connect gaps in the sidewalk network
- Add bike lanes along Mineral Ave and East 1st Street and Louisa Ave to better accommodate Route 76
- Add sidewalks to fill in gaps
- Add pedestrian crossing at East 1st Street and Mineral Ave

Town of Louisa

- Construct new sidewalks that connect gaps in the sidewalk network
- Install bicycle repair and bicycle parking stations in various locations

- Add bike lanes along Route 33 and Courthouse Road
- Pedestrian crosswalk at the intersection of Courthouse Road and Route 15

Zion Crossroads

- The Zion Crossroads area is a fast-growing development area with close proximity to I-64. Growth along the Route 15 corridor includes new residential developments and commercial shopping centers. Where possible, bicycle and pedestrian improvements should be included that would allow for connectivity between residential developments and the commercial development along Route 15. Specific recommendations include:
- Constructing a shared use path parallel to Route 15 from US 25 to Smithfield drive
- Shared used path connections from Route 15 to Spring Creek and Stonegate at The Crossings
- Sidewalk and shared use path connectivity along Spring Creek Parkway and Camp Creek Parkway
- Sidewalk connectivity along Market Street/ Freedom Trail



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Map 10.4.2 Infrastructure Recommendations

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1,000 Feet



ABOUT THIS MAP: This map depicts the corridors identified as the regional bicycle and pedestrian network in the Town of Mineral.

Ν

---- Existing Sidewalk



Map 10.4.3 Infrastructure Recommendations F 1,500 Feet N FEATURES Parks and Conservation --- Town of Louisa Boundary Lakes and Rivers

HRailroads

--- Proposed Bike Lane --- Proposed Rural Shared Road ---- Existing Sidewalk

ABOUT THIS MAP: This map depicts the corridors identified as the regional bicycle and pedestrian network in the Town of Louisa.



1,000 Feet FEATURES Parks and Conservation --- Proposed Shared Use Path ---- Existing Shared Use Path Lakes and Rivers --- Proposed Rural Shared Road **+++** Railroads ----- Existing Sidewalk

identified as the regional bicycle and pedestrian network in Zion Crossroads.

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NELSON COUNTY



CHAPTER 10 I LOCAL ASSESSMENT

Existing Conditions

The topography of Nelson County is attractive to recreational bicyclists and the County's tourism Other relevant plans include a Route 151 website claims, "with gentle rolling hills near the Corridor Study completed by VDOT in 2013, James River and challenging terrain in the Blue and a Rockfish Valley Area Plan completed by Ridge Mountains, Nelson County has something TJPDC and Nelson County in 2017. The Route 151 for all skill levels"⁶. This physical terrain also Corridor Study identified the need for wide (6makes bicycle transportation more difficult in the foot) paved shoulders to accommodate bicycles county, since the road network is more limited and pedestrians on much of Route 151. The than other counties in the region. As such, there Rockfish Valley Area Plan also included multiple are few alternate routes bicyclists can use that recommendations that are incorporated into avoid primary roads, such as US 29, which this Plan. These include general suggestions to are generally not safe or desirable for bicycle improve roadway connectivity with roads that transportation. include bicycle and pedestrian infrastructure, and specific suggestions including to create Most bicycling in Nelson County currently is for a shared use path that connects Wintergreen, recreation, with many people bicycling on the Stoney Creek, Nellysford and Beech Grove.

Most bicycling in Nelson County currently is for recreation, with many people bicycling on the Blue Ridge Parkway and roads in the nearby Rockfish Valley Area. The Blue Ridge Parkway along the western edge of Nelson County is part of US Bicycle Route 76. Route 76 also runs through Nelson County on US 250 from Rockfish Gap to Rte 6, on Rte 6 to Afton, and then on Rte 750 (Old Turnpike Road) to the Albemarle County line. The Blue Ridge Railway Trail, a nearly 7-mile long path along the Piney and Tye Rivers, offers a flat off-road location for recreational bicycle riding.

Local Documents

The <u>Nelson County Comprehensive Plan</u>, adopted in 2002, contains recommendations for bicycle and pedestrian infrastructure improvements and regional greenways. The Plan indicates the need for improvements on roads throughout the County and within Lovingston and Nellysford. It suggests that improvements along major corridors such as US 29 are necessary to allow for bicycle transportation. It then identifies many roads that are routes for recreational bicyclists and could also be improved to provide increased safety and comfort for these cyclists. The Plan proposes greenway corridors along waterways in the County, including the James, Tye, Rockfish Rivers and Dillard Creek. These greenways could include bicycle and pedestrian paths to provide both transportation and recreation opportunities in the County.

Infrastructure Recommendations

This Plan has identified many roads that could be improved to increase safety and comfort for bicyclists in the region. This Plan uses "rural shared road" as the primary recommendation for rural roads, which is meant to indicate that bicyclists will continue to ride on the road, either within the travel lane or on the shoulder, but conditions for these cyclists can be improved. These improvements could include widening and paving shoulders, adding signs to ensure that drivers are aware of the presence of cyclists, and improving intersections and other aspects of road design to accommodate bicyclists. This Plan has not identified detailed improvements for each road, so exact improvements will need to be determined by VDOT and Nelson County. Additional recommendations include shared use paths that accommodate bicyclists and pedestrians. The purpose of proposed improvements is to increase safety, provide transportation options, connect facilities and act as a community improvement tool. The recommendations include the following table and maps on pages 122-126.

Roadway/ Corridor	Segment	Improvement	Explanation
Route 151 (Rockfish Valley Highway)	Albemarle County line to Route 634	Paved 6-foot shoulders marked as bike lanes	Shoulder and spot safety improvements detailed within the Route 151 Corridor Study
Route 151 (Rockfish Valley Highway)	Route 634 to Route 56	Paved Shoulders and/or Improved signage	Shoulder and spot safety improvements
Route 6 9Afton Mountain Road)	US 250 to Route 151	Paved Shoulders and/or Improved signage	Shoulder and spot safety improvements detailed in the Bike Route 76 Corridor Study
US 250 (Rockfish Gap Turnpike)	Route 6 to Skyline Drive/Blue Ridge Parkway	Paved Shoulders and/or Improved signage	Shoulder and spot safety improvements detailed in the Bike Route 76 Corridor Study
Route 750 (Old Turnpike Road)	Albemarle County line to Route 6	Paved Shoulders and/or Improved signage	Shoulder and spot safety improvements detailed in the Bike Route 76 Corridor Study
Route 635 (Craigs Store Road)	Albemarle County line to Route 151	Paved Shoulders and/or Improved signage	Shoulder and spot safety improvements
Route 664 (Beech Grove Road)	Route 151 to Blue Ridge Parkway	Paved Shoulders and/or Improved signage	Shoulder and spot safety improvements
Route 56 (Crabtree Falls Highway)	Route 151 to Blue Ridge Parkway	Paved Shoulders and/or Improved signage	Shoulder and spot safety improvements
Route 655 (Roseland/ Colleen/ Arrington/ Variety Mills Road)	Route 151 to Route 626	Paved Shoulders and/or Improved signage	Shoulder and spot safety improvements
Route 626 Norwood Road/Union Hill Drive)	Route 655 to Albemarle County line	Paved Shoulders and/or Improved signage	Shoulder and spot safety improvements
James River	Albemarle County line to Amherst County line	Shared Use Path	Part of the James River Heritage Trail
Tye River	Existing Blue Ridge Railway Trail to James River Trail	Shared Use Path	Shared use path along the Tye River

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CHAPTER 10 | LOCAL ASSESSMENT

Map 10.5.1 Infrastructure Recommendations

F 4 Miles FEATURES Parks and Conservation --- Proposed Shared Use Path ----- Existing Shared Use Path Lakes and Rivers --- Proposed Rural Shared Road **+++** Railroads ----- Existing Sidewalk

ABOUT THIS MAP: This map depicts the corridors identified as the regional bicycle and pedestrian network in Nelson County.

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Towns and Development Areas

Given that Lovingston and Nellysford have a relatively higher density of residents and destinations than the rest of Nelson County, bicycle and pedestrian infrastructure provides transportation options and a recreational amenity for residents and tourists in these areas. The following are recommendations for these areas:

Lovingston

- Construct a crosswalk at the intersection of US 29 and Main Street
- Build a sidewalk along Front Street from the existing sidewalk to US 29
- Construct a crosswalk and install a pedestrian signal at the intersection of US 29 and Front Street
- Build a sidewalk to Callohill Drive from US 29 to the shopping center

• Build a sidewalk or shared use path from intersection of US 29 and Front Street to the library, with potential to extend to the Middle School and High School

Nellysford

- Construct a sidewalk, or shared use path, along Route 151 from Monocan Drive to Wintergreen True Value Hardware
- "Encourage addition of sidewalks, bike lanes, or similar multi-use path in Nellysford, especially during new development and redevelopment activities." Recommendation from Rockfish Valley Area Plan
- "Create a safe, user-friendly recreational connection between Wintergreen, Stoney Creek, Nellysford and Beech Grove." Recommendation from Rockfish Valley Area Plan

Map 10.5.2 Infrastructure Recommendations

1,000 Feet

FEATURES Parks and Conservation --- Town of Lovingston Boundary Lakes and Rivers **H**Railroads

--- Proposed Sidewalk ----- Existing Sidewalk

ABOUT THIS MAP: This map depicts the sidewalks identified as part of the pedestrian network in the Town of Lovingston.

Map 10.5.3 Infrastructure Recommendations

FEATURES

Parks and Conservation --- Proposed Sidewalk Lakes and Rivers **+++** Railroads

1,000 Feet ----- Existing Sidewalk

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ABOUT THIS MAP: This map depicts the sidewalks identified as part of the pedestrian network in Nellysford.

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SECTION

CORRIDOR INFORMATION

CORRIDOR INFORMATION

The table on pages 138-142 in Appendi A provides information about the corrido segments (projects) that were created and evaluated in this Plan. Specifically, it include information for the following fields:

BPID: ID number for each project, which allow for identification of the project on the map provided in this appendix and online.

Location/Name: Information about the general location of the project, such as the name of the road, river or stream that the project follows.

Type: Type of infrastructure being recommended, where SUP is shared use path, BL indicates bike lanes with sidewalk, and SR indicates shared road with sidewalk.

Status: Indicates whether there is any existing infrastructure, where BL is bike lane, SR is shared road, and TR is trail.

APT Tier: Prioritization tier calculated using the ActiveTrans Priority Tool (APT), where Tier 1 is highest priority.

Final Tier: The final prioritization tier, reflecting the result of the APT evaluation and additional adjustments, where Tier 1 is highest priority.

Prioritization Reason: If the final prioritization is different from the APT prioritization, the reason for this adjustment is provided.

Length (miles): Length of the project in miles.

Cost (Low): Low estimate for the cost (in million \$) of the project, excluding cost for bridges, tunnels or overcoming other barriers. Estimated primarily using costs from a VDOT planning level cost estimation tool. Low cost estimates used were \$510,000 per mile for bike lanes, \$30,000 per mile for shared roadway, \$350,000 per mile for sidewalk, and \$1,280,000 for shared use path.

Х	<u>Cost (High):</u> High estimate for the cost (in million
or	\$) of the project, excluding cost for bridges,
d	tunnels or overcoming other barriers. Estimated
S	primarily using costs from a VDOT planning level
	cost estimation tool. High cost estimates used
	were \$770,000 per mile for bike lanes, \$50,000
'S	per mile for shared roadway, \$1,160,000 per mile
S	for sidewalk, and \$2,090,000 for shared use
	path.

- Barrier Cost: Estimate of cost necessary to build bridges, tunnels, or other infrastructure that crosses major barriers.

CORRIDOR INFORMATION

BPID Location/Name Twe Ratus Tier Tier Reason (miles) (Low) (High) Cost Barracks BP1 hvg Rd - Bypass SUP EX SR Tier 2 Tier 2 0.61 0.43 0.84 0.83 0.84 BP2 EMarket 51: West BL Tier 1 Tier 2 0.61 0.43 0.84 0.84 0.84 0.84 0.84 0.84 0.84 0.84 0.84 0.84 0.84 0.84 0.84 0.84 0.84 0.84 0.84 0.84 0.84 0.84 0.84 0.84 0.84 0.84 0.84 0.84 0.84 0.84 0.84 0.84 0.84 0.84 0.84 0.84 0.84 0.84 0.84 0.84 0.84 0.84 0.84 0.84 0.84 0.84 0.84 0.84 0.84 0.84 0.84 0.84 0.84 0.84 0.84 0.84 0.84 0.84 0.84 0.84 0.84 0.84 0.85 <th></th> <th></th> <th>(</th> <th>1</th> <th>ADT</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th>- ·</th>			(1	ADT						- ·
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$\begin{array}{c c c c c c c c c c c c c c c c c c c $	BPID	Location/Name	Type	Status	Tier	Tier	Reason	(miles)	(Low)	(High)	Cost
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BP19 US29 - Rio Rd SUP Tier 1 Tier 1 1.15 2.06 4.32 BP19 US29 - Fashion SUP Tier 1 Tier 1 1.15 2.06 4.32 BP20 Square SUP Tier 1 Tier 1 1.15 2.06 4.32 Fontaine Ave - BP21 Interchange SUP Tier 2 Tier 2 0.78 1.40 2.95 Commonwealth Dr - SR Tier 2 Tier 2 0.75 0.37 1.56 Commonwealth Dr - SUP Tier 1 Tier 2 0.16 0.29 0.60 BP23 US250 SUP Tier 1 Tier 1 0.33 0.59 1.25 Emmet St - South of SUP Tier 1 Tier 1 0.43 E 1.40 2.05 BP24 Rd SUP Tier 1 Tier 1 0.12 0.21 0.45 2.10 Rte 20 - US64 SUP Tier 1 Tier 1 1.45 3.05 3.	BD18	boardor			Tior 3	Tior 3		5 01	10 60	22.25	140
BP19 0229 - Fashion SUP Tier 1 Tier 1 1.13 2.00 4.32 BP20 Square SUP Tier 1 Tier 1 1.26 2.26 4.73 BP21 Interchange SUP Tier 2 Tier 2 0.78 1.40 2.95 Commonwealth Dr - Commonwealth Dr - BP22 North SUP Tier 2 Tier 2 0.75 0.37 1.56 Commonwealth Dr - SUP Tier 2 Tier 2 0.16 0.29 0.60 Emmet St - South of SUP Tier 1 Tier 1 0.33 0.59 1.25 BP24 Rd SUP Tier 1 Tier 1 0.33 0.59 1.25 Emmet St - Massie BP24 Rd SUP Tier 1 Tier 1 0.33 0.59 1.25 BP26 Pantops Bridge SUP Tier 1 Tier 1 0.12 0.21 0.45 2.10 Rte 20 - US64 SUP Tier 1 Tier 1 1.45 3.05 1.45 3.05 BP28 Sth St SUP	BD10				Tior 1	Tior 1		115	2 06	1 32	1.40
BP20 Square SUP Tier 1 Tier 1 1.26 2.26 4.73 Fontaine Ave - BP21 Interchange SUP Tier 2 Tier 2 0.78 1.40 2.95 Commonwealth Dr - BP22 North SR Tier 2 Tier 2 0.75 0.37 1.56 BP22 North SUP Tier 2 Tier 2 0.16 0.29 0.60 Emmet St - South of Emmet St - Massie BP24 Rd SUP Tier 1 Tier 1 0.33 0.59 1.25 Emmet St - Massie SUP Tier 1 Funded 0.43 Image: Common comm		US29 - Fashion						1.15	2.00	4.52	
BP20 Juliance Jor Trier 1 Trier 1 Trier 1 Trier 1 Trier 1 Trier 2 Trier 1 <	BDJU	Squaro			Tior 1	Tior 1		126	2.26	173	
BP21 Interchange SUP Tier 2 Tier 2 O.78 1.40 2.95 Commonwealth Dr - SR Tier 2 Tier 2 O.75 O.37 1.56 BP22 North SR Tier 2 Tier 2 O.75 O.37 1.56 Commonwealth Dr - BP2 North SUP Tier 2 Tier 2 O.60 Emmet St - South of BP23 US250 SUP Tier 1 Tier 1 O.33 O.59 1.25 Emmet St - Massie BP24 Rd SUP Tier 1 Fine 1 O.33 O.59 1.25 BP24 Rd SUP Tier 1 Fine 1 O.55 O.98 2.05 BP25 Shopping SUP Tier 1 Tier 1 O.12 O.45 2.10 Rte 20 - US64 Intersection SUP Tier 1 Tier 1 Route 0.81 1.45 3.05 BP28 Sth St SUP Ex BL Tier 1 Tier 1 0.40 0.29 0.56 0.88 BP30 Copeley Rd BL	DF 20	Fontaine Ave -	<u> 30</u> F					1.20	2.20	4.75	
BP21 InterClange Sor Trer 2 Trer 2 O.78 T.40 2.93 Commonwealth Dr - SR Tier 2 Tier 2 O.75 O.37 1.56 BP22 North SUP Tier 2 Tier 2 O.75 O.37 1.56 BP22 North SUP Tier 2 Tier 2 O.16 O.29 O.60 Emmet St - South of BP3 US250 SUP Tier 1 Tier 1 O.33 O.59 1.25 Emmet St - Massie BP4 Rd SUP Tier 1 Funded O.43 Image: Commonwealth Drein 1 Image: Commonwealth	0021	Interchange	SUD		Tior 2	Tior 2		0.70	1 1 0	2 05	
BP22 North SR Tier 2 Tier 2 Tier 2 O.75 O.37 1.56 BP22 North SUP Tier 2 Tier 2 O.16 O.29 O.60 BP23 US250 SUP Tier 1 Tier 1 O.33 O.59 1.25 Emmet St - South of Image: Sup of the second seco		Commonwealth Dr -						0.78	<u>1.40</u> 	2.95	
BP22 North SK Fier 2 Fier 2 0.73 0.37 1.30 BP22 North SUP Tier 2 Tier 2 0.16 0.29 0.60 Emmet St - South of BP23 US250 SUP Tier 1 Tier 1 0.33 0.59 1.25 Emmet St - Massie BP24 Rd SUP Tier 1 Tier 1 0.43 Image: 1 1.25 BP24 Rd SUP Tier 1 Find 4 0.43 Image: 1 1.25 BP24 Rd SUP Tier 1 Find 4 0.43 Image: 1 1.25 BP24 Rd SUP Tier 1 Tier 1 0.12 0.21 0.45 2.10 Reso Sup Tier 1 Tier 1 Tier 1 0.12 0.21 0.45 2.10 Reso SUP Tier 1 Tier 1 Reso Image: 1 0.12 0.21 0.45 2.10 Reso SUP EX BL Tier 1 Tier 1 0.12 0.21 0.45 2.10 BP23	0022	North	CD		Tior 2	Tior 2		0.75	0.27	156	
BP22 North SUP Tier 2 Tier 2 Tier 2 O.16 0.29 0.60 Emmet St - South of Immet St - Massie Immet St - Massie Immet St - Massie Immet St - South of	DFZZ	Commonwealth Dr -	JK					0.75	0.37	1.50	
BP22 Notifier SUP Tier 2 Tier 2 0.16 0.29 0.80 Emmet St - South of BP23 US250 SUP Tier 1 Tier 1 0.33 0.59 1.25 Emmet St - Massie Emmet St - Massie 0.43 1.25 1.25 BP24 Rd SUP Tier 1 Funded 0.43 1.45 BP25 Shopping SUP Tier 1 Tier 1 0.12 0.21 0.45 2.10 BP26 Pantops Bridge SUP Tier 1 Tier 1 0.12 0.21 0.45 2.10 Rte 20 - US64 Image: Sup EX BL Tier 1 Tier 1 0.12 0.21 0.45 2.10 Rte 20 - US64 Image: Sup EX BL Tier 1 Tier 1 1.80 3.23 6.79 Avon St - City Image: Sup EX BL Tier 1 Tier 1 1.80 3.23 6.79 BP29 Boundary BL Tier 1 Tier 1 0.40 0.29 0.56 0.88 BP30 Copeley Rd BL Tier 1 Tier 2 0.	0000	North			Tior 2	Tior 2		016	0.20	0.60	
BP23 US250 SUP Tier 1 Tier 1 0.33 0.59 1.25 Emmet St - Massie Image: Sup of the system of the sys	DFZZ	Emmet St - South of	<u> 30</u> -		Tiel Z	<u>nei z</u>		0.10	0.29	0.60	
BP23 03230 30P Tier 1 Tier 1 0.33 0.39 1.23 Emmet St - Massie SUP Tier 1 Funded 0.43 Image: Constraint of the constrelation of the constraint of the constraint of the constrelation.	200				Tior 1	Tior 1		0.22		1 25	
BP24 Rd SUP Tier 1 Funded 0.43 Emmet St - Barracks Image: Sup of the second sec	DFZJ	Emmet St - Massie	<u>30</u> P					0.55	0.59	1.25	
BP24 Rd SUP Tier 1 Funded 0.43 0.43 0.43 Emmet St - Barracks SUP Tier 1 Tier 1 0.55 0.98 2.05 BP26 Pantops Bridge SUP Tier 1 Tier 1 0.12 0.21 0.45 2.10 Rte 20 - US64 Alternate Alternate Alternate 0.81 1.45 3.05 BP28 5th St SUP EX BL Tier 1 Tier 1 1.80 3.23 6.79 Avon St - City BL Tier 1 Tier 1 0.40 0.29 0.56 0.88 BP30 Copeley Rd BL Tier 1 Tier 1 0.47 0.92 0.56 0.88 BP31 Preston Ave BL Tier 2 Tier 3 0.41 0.29 0.57 BP33 Meade Ave BL Tier 3 Tier 3 1.85 3.31 6.95 BP34 Ly Rd - Ednam SUP Tier 3 Tier 3 0.41 0.29 0.57 BP35 Whitewood Rd BL Tier 3 Tier 1	0024				Tior 1	Eundod		0 12			
BP25 Shopping SUP Tier 1 Tier 1 0.55 0.98 2.05 BP26 Pantops Bridge SUP Tier 1 Tier 1 0.12 0.21 0.45 2.10 Rte 20 - US64 Alternate Alternate Alternate Image: constraint of the section of the sectin of the section of the section of the sect	DFZ4	Emmet St - Barracks	<u> 30</u> -			runded		0.45			
BP25 Shopping 30P Tier 1 Tier 1 0.35 0.36 2.03 BP26 Pantops Bridge SUP Tier 1 Tier 1 0.12 0.21 0.45 2.10 Rte 20 - US64 Alternate Alternate Alternate Alternate Alternate Alternate BP27 Intersection SUP Tier 1 Tier 2 Route 0.81 1.45 3.05 BP28 5th St SUP EX BL Tier 1 Tier 1 1.80 3.23 6.79 Avon St - City BL Tier 1 Tier 1 0.40 0.29 0.56 0.88 BP30 Copeley Rd BL Tier 1 Tier 1 0.37 0.27 0.52 BP31 Preston Ave BL Tier 2 Tier 2 0.66 0.47 0.92 BP33 Meade Ave BL Tier 3 Tier 3 0.41 0.29 0.57 BP34 Ivy Rd - Ednam SUP Tier 3 Tier 3 1.85 3.31 6.95 BP35 Whitewood Rd BL	DDJE	Shopping	CI ID		Tior 1	Tior 1			0 00	2 05	
BP20 Pantops Bildge SOP Tier 1 Tier 1 0.12 0.21 0.43 2.10 Rte 20 - US64 SUP Tier 1 Tier 2 Route 0.81 1.45 3.05 BP27 Intersection SUP Tier 1 Tier 2 Route 0.81 1.45 3.05 BP28 5th St SUP EX BL Tier 1 Tier 1 1.80 3.23 6.79 Avon St - City BL Tier 1 Tier 1 0.40 0.29 0.56 0.88 BP30 Copeley Rd BL Tier 1 Tier 1 0.37 0.27 0.52 BP31 Preston Ave BL Tier 2 Tier 2 0.66 0.47 0.92 BP33 Meade Ave BL Tier 3 Tier 3 0.41 0.29 0.57 BP34 Ivy Rd - Ednam SUP Tier 3 Tier 3 1.85 3.31 6.95 BP35 Whitewood Rd BL Tier 3 Tier 1 Repaving 0.58 0.55 1.40 BP36 Greenbrier Dr - Ea	BD26	Pantons Bridgo	SUD		Tior 1	Tior 1		0.55	0.90	0.45	210
BP27 Intersection SUP Tier 1 Tier 2 Route 0.81 1.45 3.05 BP28 5th St SUP EX BL Tier 1 Tier 1 1.80 3.23 6.79 Avon St - City BL Tier 1 Tier 1 0.40 0.29 0.56 0.88 BP29 Boundary BL Tier 1 Tier 1 0.40 0.29 0.56 0.88 BP30 Copeley Rd BL Tier 1 Tier 1 0.37 0.27 0.52 BP31 Preston Ave BL Tier 2 Tier 2 0.66 0.47 0.92 BP33 Meade Ave BL Tier 3 Tier 3 0.41 0.29 0.57 BP34 Ivy Rd - Ednam SUP Tier 3 Tier 3 1.85 3.31 6.95 BP35 Whitewood Rd BL Tier 3 Tier 1 Repaving 0.58 0.55 1.40 BP36 Greenbrier Dr - East BL EX SR Tier 1 Tier 1 0.43 0.30 0.59 BP37 <td< td=""><td>DFZO</td><td>Rte 20 - US64</td><td><u> 30</u> -</td><td></td><td></td><td></td><td>Δlternate</td><td>0.12</td><td>0.21</td><td>0.45</td><td>2.10</td></td<>	DFZO	Rte 20 - US64	<u> 30</u> -				Δlternate	0.12	0.21	0.45	2.10
BP27 Intersection SUP SUP Intersection 1.43 3.03 BP28 5th St SUP EX BL Tier 1 Tier 1 1.80 3.23 6.79 Avon St - City BL Tier 1 Tier 1 0.40 0.29 0.56 0.88 BP30 Copeley Rd BL Tier 1 Tier 1 0.37 0.27 0.52 BP31 Preston Ave BL Tier 2 Tier 2 0.66 0.47 0.92 BP33 Meade Ave BL Tier 3 Tier 3 0.41 0.29 0.57 BP34 Ivy Rd - Ednam SUP Tier 3 Tier 3 1.85 3.31 6.95 BP35 Whitewood Rd BL Tier 3 Tier 1 Repaving 0.58 0.55 1.40 BP36 Greenbrier Dr - East BL EX SR Tier 1 Tier 1 0.43 0.30 0.59 BP37 McCormick Rd - West BL EX SR Tier 1 Tier 1 0.39 0.28 0.55	8027	Intersection			Tior 1	Tior 2	Pouto	0.81	1/5	3 05	
BP28 Stir St Stor EX BE Tier 1 Tier 1 1.80 3.23 0.79 Avon St - City BL Tier 1 Tier 1 0.40 0.29 0.56 0.88 BP30 Copeley Rd BL Tier 1 Tier 1 0.37 0.27 0.52 BP31 Preston Ave BL Tier 2 Tier 2 0.66 0.47 0.92 BP33 Meade Ave BL Tier 3 Tier 3 0.41 0.29 0.57 BP34 Ivy Rd - Ednam SUP Tier 3 Tier 3 1.85 3.31 6.95 BP35 Whitewood Rd BL Tier 3 Tier 1 Repaving 0.58 0.59 BP36 Greenbrier Dr - East BL EX SR Tier 1 Tier 1 0.43 0.30 0.59 BP37 McCormick Rd - West BL EX SR Tier 1 Tier 1 0.39 0.28 0.55	BD28		SUD		Tior 1	Tior 1	Roule	1.80	2 22	670	
BP29 Boundary BL Tier 1 Tier 1 0.40 0.29 0.56 0.88 BP30 Copeley Rd BL Tier 1 Tier 1 0.37 0.27 0.52 BP31 Preston Ave BL Tier 2 Tier 2 0.66 0.47 0.92 BP33 Meade Ave BL Tier 3 Tier 3 0.41 0.29 0.57 BP34 Ivy Rd - Ednam SUP Tier 3 Tier 3 1.85 3.31 6.95 BP35 Whitewood Rd BL Tier 3 Tier 1 Repaving 0.58 0.55 1.40 BP36 Greenbrier Dr - East BL EX SR Tier 1 Tier 1 0.43 0.30 0.59 BP37 McCormick Rd - West BL EX SR Tier 1 Tier 1 0.39 0.28 0.55	DFZO	Avon St - City	<u> 30</u> F					1.00	<u> </u>	0.75	
BP30 Copeley Rd BL Tier 1 Tier 1 0.37 0.27 0.52 BP31 Preston Ave BL Tier 2 Tier 2 0.66 0.47 0.92 BP33 Meade Ave BL Tier 3 Tier 3 0.41 0.29 0.57 BP34 Ivy Rd - Ednam SUP Tier 3 Tier 3 1.85 3.31 6.95 BP35 Whitewood Rd BL Tier 3 Tier 1 Repaving 0.58 0.59 BP36 Greenbrier Dr - East BL EX SR Tier 1 Tier 1 0.43 0.30 0.59 BP37 McCormick Rd - West BL EX SR Tier 1 Tier 1 0.39 0.28 0.55	pppg	Roundary	ы		Tior 1	Tior 1		0.40	0.20	056	<u> </u>
BP30 Copeley Rd BL Tier 1 Tier 1 0.37 0.27 0.32 BP31 Preston Ave BL Tier 2 Tier 2 0.66 0.47 0.92 BP33 Meade Ave BL Tier 3 Tier 3 0.41 0.29 0.57 BP34 Ivy Rd - Ednam SUP Tier 3 Tier 3 1.85 3.31 6.95 BP35 Whitewood Rd BL Tier 3 Tier 1 Repaving 0.58 0.55 1.40 BP36 Greenbrier Dr - East BL EX SR Tier 1 Tier 1 0.43 0.30 0.59 BP37 McCormick Rd - West BL EX SR Tier 1 Tier 1 0.39 0.28 0.55	BD30	Copolov Pd			Tior 1	Tior 1		0.40	0.29	0.50	0.00
BP33 Meade Ave BL Tier 3 Tier 3 0.41 0.29 0.57 BP34 Ivy Rd - Ednam SUP Tier 3 Tier 3 1.85 3.31 6.95 BP35 Whitewood Rd BL Tier 3 Tier 1 Repaying 0.58 0.55 1.40 BP36 Greenbrier Dr - East BL EX SR Tier 1 Tier 1 0.43 0.30 0.59 BP37 McCormick Rd - West BL EX SR Tier 1 Tier 1 0.39 0.28 0.55	BP30	Preston Ave			Tior 2	Tior 7		0.57	0.27	0.52	
BP34 Ivy Rd - Ednam SUP Tier 3 Tier 3 1.85 3.31 6.95 BP35 Whitewood Rd BL Tier 3 Tier 1 Repaving 0.58 0.55 1.40 BP36 Greenbrier Dr - East BL EX SR Tier 1 Tier 1 0.43 0.30 0.59 BP37 McCormick Rd - West BL EX SR Tier 1 Tier 1 0.39 0.28 0.55	Bb33	Meade Ave			Tior 2	Tior 2		<u>0.00</u> ∩⊿1	0.4/	0.52	
BP35 Whitewood Rd BL Tier 3 Tier 1 Repaying 0.58 0.55 1.40 BP36 Greenbrier Dr - East BL EX SR Tier 1 Tier 1 0.43 0.30 0.59 BP37 McCormick Rd - West BL EX SR Tier 1 Tier 1 0.39 0.28 0.55	BP34	N/V Rd - Ednam			Tior 2	Tier 3		1.85	2.20 2.21	695	
BP36 Greenbrier Dr - East BL EX SR Tier 1 0.43 0.30 0.59 BP37 McCormick Rd - West BL EX SR Tier 1 0.39 0.28 0.55	BP35	Whitewood Rd	RI		Tier 3	Tier 1	Renaving	0.58	055	140	
BP37 McCormick Rd - West BL EX SR Tier 1 Tier 1 0.39 0.28 0.55	BP36	Greenbrier Dr - Fast	BI	EX SR	Tier 1	Tier 1		0.43	0.30	0.59	
	BP37	McCormick Rd - West	BI	EX SR	Tier 1	Tier 1		0.39	0.28	0.55	

CORRIDO	CORRIDOR INFORMATION									
				APT	Final	Prioritization	Lenath	Cost	Cost	Barrier
BPID	Location/Name	Type	Status	Tier	Tier	Reason	(miles)	(Low)	(High)	Cost
						Connects	· · · ·			
BP38	Rio Rd - US29	BL		Tier 2	Tier 1	Existing	0.40	0.38	0.96	
	Hydraulic Rd - East of									
BP39	Georgetown Rd	SUP		Tier 1	Tier 1		0.67	1.21	2.54	
BP40	Barracks Rd - County		L	Tior 2	Tior 2		0.94	0.90 5 4 5	11 12	
BP41	Three Notched Rd			Tior 3	Tior 3		3.04	6 99	14.68	
	Hvdraulic Rd - West	501					5.50	0.55	14.00	
BP43	of US29	SUP		Tier 1	Tier 1		0.31	0.56	1.18	
						Alternate				
BP44	US29 - Bypass	SUP		Tier 1	Tier 3	Route	0.41	0.73	1.53	
BP45	McCormick Rd - East	BL	EX SR	Tier 1	Tier 1		0.51	0.36	0.71	
BP46	Long St	SUP		Tier 1	Tier 1		0.54	0.96	2.01	
	Avon St Ext - County								0 70	
BP47	Boundary Determinent	<u>SUP</u>		Lier 1	Lier 1		0.74	1.33	2.79	
BP48	Peter Jefferson Pkwy	BL		∏er ∠	<u> Her Z</u>	Alternate	1.22	1.47	4.23	
врла	Borkmar Dr South	RI		Tior 1	Tior 2	Pouto	0.66	0.80	2 31	
DF45	Commonwealth Dr -					Koule	0.00	0.80	2.51	
BP50	South	BI		Tier 2	Tier 2		0.76	0.54	1.06	
BP51	Berkmar Dr - Rio Hill	SUP	EX BL	Tier 2	Funded		1.41	0.0 .		
BP52	Georgetown Rd	BL		Tier 3	Tier 3		1.09	0.78	1.51	
BP53	Crozet Dr - North	BL		Tier 3	Tier 3		1.20	1.15	2.91	
	Fontaine Ave - City									
BP54	Boundary	BL		Tier 2	Funded		0.55	6.40	40.47	4.40
BP55	Ivy Rd - West of Ivy			Tier 3	Lier 3		3.58	6.42	13.47	1.40
8230	Lewis and Clark Dr	BL		Tier 3	<u>ner s</u>		0.67	0.80	2.32	
RP57	Evt	SLIP		Tior 3	Fundad		110			
BP58	US29 - Airport	SUP		Tier 3	Tier 3		1.10	2.28	4.80	
BP59	McIntire Rd	SUP		Tier 1	Tier 1		0.43	0.78	1.63	
	Avon St Ext - US64									
BP60	Crossing	SUP		Tier 2	Tier 1	Public Input	0.84	1.50	3.15	2.80
BP61	Reservoir Rd	SR		Tier 3	Tier 3		2.82	1.38	5.88	
				T . A		Alternate	0.00	4 5 0	2.22	
BP62	US29 - Hydraulic Biscuit Pup -	SUP		l lier i	lier 3	Route	0.89	1.59	3.33	
PD64	Connoctor			Tior 1	Tior 1		0 00	176	260	
DF04	Rte 20 - South of	<u> 30</u> F					0.90	1.70	3.09	
BP66	US64	SUP		Tier 2	Tier 2		117	2 09	4.38	
00	Rivanna River - US29	001					1.17	2.00	1.00	
<u>B</u> P68	Connection	SUP		Tier 3	Tier 1	County Effort	1.10	1.98	4.16	
BP69	Southern Railway	SUP		Tier 3	Tier 2	County Effort	1.96	3.52	7.38	
	Rivanna River - South									
BP70	of Pen Park	SUP	ļ	Tier 3	Tier 2	City Effort	0.53	0.95	1.98	
	Moores Creek -			L					•	
<u>BP71</u>	Quarry Park	SUP		Tier 2	<u> Tier 2</u>		0.67	1.20	2.52	
<u>BF/2</u>	Stribling Ave Ext	<u>ISUP</u>	<u>IEX IR</u>	Hier 2	<u>Lier 2</u>		1.1/	2.10	4.41	0.52
2709	Connoctor	SUD		Tior 2	Tior 2		064	11⊑	⊃ <i>1</i> 1	200
DP/3		1308		mer Z		<u>I</u>	0.04	CI.I	∟∠.41	<u> </u>

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				APT	Final	Prioritization	Length	Cost	Cost	Barrier
BPID	Location/Name	Type	Status	Tier	Tier	Reason	(miles)	(Low)	(High)	Cost
	Moores Creek - East									
BP74	of Monticello Rd	SUP		Tier 2	Tier 2		1.75	3.14	6.60	0.88
	Moores Creek -									
BP75	Pollocks Branch	SUP		Tier 2	Tier 2		0.96	1.73	3.63	
						Alternate				
BP76	Highland Ave Ext	SUP		Tier 2	Tier 3	Route	1.03	1.85	3.88	
	John Warner Pkway -									
BP77	Connector	SUP		Tier 2	Tier 1	City Effort	0.06	0.12	0.24	2.00
	US250 - Hydraulic	001					0.00	0.12		2.00
BP78	crossing	SUP		Tier 1	Tier 1		074	132	277	
	Moores Creek -						0.7 1	1.52	2.77	
RP79	Azalea Park	SLIP	FX TR	Tier 2	Tier 2		0 47	0.84	175	
	Riverview Park -	501					0.77	0.04	1.75	
BD80	Crossing	SLID		Tior 1	Tior 1		0.61	109	2 29	2/5
	Meadow Creek -	501					0.01	1.05	2.25	2.73
	Locust Grovo	CI ID		Tior 2	Eundod		<u> </u>			
DFOI	Meadow Creek - Rio	<u> 30</u> F			runueu		0.60			
000		CLID		Tior 2	Fundad		072			
	Ku Malbaurpa Dd			Tior 2	Tior 2		0.72	0.40	0.06	
DPOS	INEIDOUTTIE RU			<u>i ner z</u>	Tierz		0.69	0.49	0.96	
				T: 1			0 5 0			
BP84	Hydraulic Carltan Dd					Canaistanay	0.58	0.41	0.70	
BP85	Cariton Rd Eth St Ext Old	BL		<u>i lier 3</u>	Tier 2	Consistency	0.57	0.41	0.79	
DDOC				T: 1	T: 1		101	2 20		
BP86				Tier I			1.84	3.29	0.90	
BP8/	Moadowbrook	BL		<u>i ner z</u>	<u>Tier Z</u>		0.59	0.42	0.81	
				T:	T:		0.00	~ 77		
BP88	Heights Ra			Tier 3	Tier 3		0.80	0.77	1.95	
BP89	Rugby Rd - US250	SR		<u> 1 ler 3</u>	Tier 3		0.70	0.34	1.46	
	Sunset Ave Ext -			T:	T: 0		0.00	0.00		
BP90	North	BL	EX SR	<u>i lier 2</u>	Tier 2		0.32	0.39	1.11	
				a	o		4.05	0.05	6.40	
<u>BP91</u>	Park Support Avia Fiit	SUP		Tier 3	Lier 3		1.65	2.95	6.19	
	Sunset Ave Ext -				- . 0					
BP92	South			$\frac{1}{1}$	lier 2		1.34	1.61	4.66	
Rba3	Rugby Rd - Dairy Rd	BL		Tier 3	Lier 3		0.42	0.30	0.58	
					T ' A		0.00	4.00	2.20	0.00
BP94	Connector	SUP		Tier 2	Lier 2		0.90	1.62	3.39	0.68
<u>BP95</u>	Parallel	<u>SUP</u>		lier 1	lier 1		0.74	1.33	2./9	
<u>BP97</u>	State Farm Blvd	BL		l lier 2	lier 2		0.86	1.04	2.99	
	Town and Country Ln									
<u>BP98</u>	Ext - Stony Point	BL		Tier 3	Tier 3		0.29	0.34	0.99	
<u>BP99</u>	Mill Creek Dr	SR		Tier 3	Tier 3		1.1/	0.57	2.45	
<u>BP100</u>	Riverview Park	SUP		Tier 2	Tier 2		0.41	0./3	1.54	
	Liown and Country Ln			L						
<u>BP101</u>	Ext - Rivanna	SUP		Tier 3	Tier 3		0.15	0.27	0.56	
BP102	Wakefield Rd			Tier 3	Tier 3		0.39	0.00	0.00	
<u>BP102</u>	Wakefield Rd	SR		<u> I ier 3</u>	lier 3		0.32	0.00	0.00	
<u>BP102</u>	Wakefield Rd	<u>ISUP</u>	ļ	<u>Hier 3</u>	Lier 3		0.05	0.09	0.19	
	Ivieadow Creek -			I						
<u>BP103</u>	Hillsdale Dr Connect	SUP		Tier 1	Tier 1		0.26	0.46	0.97	

CORRIDO	DR INFORMATION						///			
				APT	Final	Prioritization	Length	Cost	Cost	Barrier
BPID	Location/Name	Type	Status	Tier	Tier	Reason	(miles)	(Low)	(High)	Cost
BP104	Bunker Hill Dr	SR		Tier 3	Tier 3		0.41	0.20	0.85	
						Alternate				
BP106	Tonsler Park	SR		Tier 1	Tier 2	Route	0.40	0.00	0.00	
						Alternate				
<u>BP106</u>	Tonsler Park	SUP		Tier 1	Tier 2	Route	0.36	0.64	1.34	
	Norfolk Southern					Alternate				
<u>BP107</u>	Railroad	SUP		Tier 1	Tier 2	Route	1.17	2.10	4.41	
<u>BP108</u>	Madison Ave	BL		Tier 2	Tier 2	A 14 a	0.35	0.25	0.48	
						Alternate				
<u>BP109</u>	Allied St Ext	<u>ISUP</u>		l lier 1	l lier 2	Route	0.30	0.54	1.13	2.00
				- · 4		Alternate	0.45		0 57	
<u>Bbj08</u>	Allied St Ext	ISUP		<u>Tier 1</u>	l lier 2	Altornato	0.15	0.27	0.57	
				T: 1	Tion O	Alternate	0.40		0.00	
BPI09	Allied St Ext			<u>i lier i</u>	i Her Z	Alternate	0.42	0.00	0.00	
	Alliad St Ext	ы		Tior 1	Tior 2	Bouto	0.02	0.02	0.04	
<u>BF109</u>							0.05	0.02	0.04	
BD100	Alliad St Ext	SD		Tior 1	Tior 2	Poute	017		0.00	
BP110	Jarman Gan Rd	RI		Tier 3	Tier 3	Koule	0.17	0.00	2 33	
BP111	9th St SF		FX SR	Tier 1	Funded		0.39	0.01	2.55	
BP112	Brandywine Dr	SR		Tier 3	Tier 3		0.21	0.00	0.00	
BP113	Berkmar Rd - Airport	BL		Tier 3	Tier 1	County Effort	0.41	0.50	1.43	
	Rugby Ave - US250					-				
BP114	Crossing	SUP		Tier 2	Funded		0.18			
	Hydraulic Rd - East of									
<u>BP115</u>	US29	SUP		Tier 1	Tier 1		0.22	0.39	0.82	
	Hydraulic Rd - East of									
BP116	Hillsdale Dr	SUP	EX SR	Tier 1	Tier 1		0.19	0.33	0.70	
<u>BP117</u>	Holiday Dr	<u>ISUP</u>		Tier 1	Tier 2	Expensive	0.52	0.93	1.96	0.88
<u>BP118</u>	Angus Rd			l lier 1	l lier 2	Expensive	0.93	0.89	2.26	
BP120	College Dr College Dr Evt			Tior 3	Tier 3		0.83	1.00	2.89	
		<u>130</u>				City County	0.55	0.90	2.01	
BP121	Broadway St	BI		Tior 2	Tior 1	Connect	0.96	092	2 3 2	
BP122	Broadway St Ext	SUP		Tier 3	Tier 1	Consistency	0.30	0.32	0.89	
BP123	Brandon Ave	SR		Tier 2	Tier 2	Consistency	0.57	0.14	0.60	
BP123	Brandon Ave	SUP		Tier 2	Tier 2		0.22	0.39	0.83	
BP124	10th St NE	BL		Tier 2	Tier 2		0.34	0.24	0.47	
BP125	Locust Ave	BL		Tier 3	Tier 3		1.01	0.96	2.44	
BP126	Richmond Rd	SUP		Tier 3	Tier 3		4.36	7.82	16.41	
<u>BP127</u>	Foxhaven Farm	SR		Tier 3	Tier 3		1.04	0.51	2.18	
	Meadow Creek -									
BP128	Hydraulic	<u>SUP</u>		Tier 1	Tier 1		0.90	1.61	3.37	
<u>BP129</u>	Greenbrier Dr - West	I BL	<u>IEX SR</u>	<u> I ler 1</u>	<u>i lier 1</u>		0.13	0.12	0.31	
	Sunsel Ave -			T: ~	T : 4		0.00			0.40
BL130	Moores Crook East	<u>1 202</u>		<u>i ner 2</u>	<u>i iler î</u>		0.06	0.10	0.21	0.42
00121	of Avon St			Tior 2	Tior 2		0 /1	072	1 = 1	
	Emmet St - University						0.41	0.75	1.54	
BP132		SLIP		Tior 1	Fundad		0 21			
BP133	Darden Towe Park	SUP		Tier 2	Tier 2		0.52	0.93	1.95	

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				APT	Final	Prioritization	Length	Cost	Cost	Barrie
BPID	Location/Name	Type	Status	Tier	Tier	Reason	(miles)	(Low)	(High)	Cost
BP134	Zan Rd	BL		Tier 1	Tier 2	Expensive	0.62	0.75	2.15	
	Massie Rd - Copeley									
BP135	Rd	SUP		Tier 1	Tier 1		0.74	1.32	2.78	
	Rugby Rd - Preston									
BP136	Ave	BL		Tier 3	Tier 3		0.30	0.21	0.41	
	College Dr - US64					Alternate			1	
BP138	Crossing	SUP		Tier 2	Tier 3	Route	0.80	1.44	3.03	2.00
	Rivanna River - South									
BP139	Fork	SUP		Tier 3	Tier 3		1.05	1.89	3.96	
BP140	South Pantops Dr	BL		Tier 2	Tier 2		0.90	0.87	2.20	
BP141	New House Dr	BL		Tier 1	Tier 1		0.34	0.41	1.20	
	Rivanna River -									
BP142	Pantops	SUP		Tier 2	Tier 2		1.49	2.68	5.62	
BP143	Old Lynchburg Rd	BL		Tier 1	Tier 1		0.63	0.76	2.19	
BP144	Biscuit Run - Park	SUP		Tier 3	Tier 3		1.96	3.51	7.37	
	Rivanna Rive -									
	Darden Towe									
BP145	Crossing	SUP		Tier 3	Tier 2	Consistency	0.08	0.14	0.30	1.75
	Rivanna River -									
BP146	County Boundary	SUP		Tier 3	Tier 3		0.75	1.34	2.80	
	Meadow Creek -									
BP147	Greenbriar Park	SUP		Tier 1	Tier 1		0.40	0.72	1.51	
BP148	Avon St Ext - Rte 20	SUP		Tier 3	Tier 3		0.77	1.38	2.89	
	Avon St Ext - South									
BP149	of Mill Creek	SUP		Tier 3	Tier 2	Public Input	1.13	2.02	4.24	
BP150	Crozet Dr - South	SR		Tier 3	Tier 2	Inexpensive	0.22	0.00	0.00	
	Moores Creek - 5th									
BP151	St Crossing	SUP	EX TR	Tier 2	Tier 2		0.62	1.10	2.32	0.88
<u>BP152</u>	Rio Rd - Park St	BL		Tier 2	Tier 2		1.73	2.09	6.02	
<u>BP153</u>	Park St	BL		Tier 3	Tier 2	Consistency	0.65	0.46	0.90	
<u>BP154</u>	Stadium Rd	SUP	<u>EX</u>	Tier 1	Tier 1		0.35	0.00	0.00	
<u>BP154</u>	Stadium Rd			lier 1	l lier 1		0.25	0.18	0.34	
BP155		ISUP		Tier 3	1 I ler 2	County Effort	/.94	14.24	29.89	
BP156	E Market St - East			Tier 3	Tier 3		0.88	0.43	1.84	
BP150	RIVEISIDE AVE EXL				Tior 1		0.43		0.45	
DF137	Foxhaven Farm - Ivy						0.52	0.23	0.44	
	Connoctor			Tior 2	Tior 2		1 5 1	276	E 70	
<u>DF 130</u>	Moores Creek -	<u>130</u>					1.54	2.70	5.79	
	Azaloa Dark Ext			Tior 2	Tior 2		065	116	212	A 00
DF 139	LIS29 - Rivanna	<u> 30</u> -					0.05	1.10	2.43	0.88
	Crossing			Tior 1			0.02	165	2 17	1 1 0
DD161				Tior 1	Tior 1		0.92	0.06	2.47	1.40
	Rivanna River - Fast						0.54	0.90	<u> 2.02</u>	
BDIGO	of Pail Poad			Tior 2	Fundad		170			
	Rivanna River - West								1	
BD162	of Pailroad			Tior 2	Fundad		109			
	lvv Rd - County						1.00			
RP165	Boundary	RI	FX SP	Tior 2	Fundad		040			
01 105	Doundary					L		I		L

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Map A.1 **Regional Corridors**

FEATURES

Parks and Conservation --- Proposed Bike Lane and Sidewalk Lakes and Rivers **H** Railroads

----- Existing Bike Lane and Sidewalk --- Proposed Shared Road and Sidewalk

2 Miles

— Existing Shared Road and Sidewalk

ABOUT THIS MAP: This map depicts the corridors identified as the regional bicycle and pedestrian network.

- --- Proposed Shared Use Path ----- Existing Shared Use Path
- --- Rural Corridors
- BP ID Number



Map A.2 **Regional Corridors**

2 Miles

FEATURES Lakes and Rivers **H** Railroads

Parks and Conservation --- Proposed Bike Lane and Sidewalk ----- Existing Bike Lane and Sidewalk --- Proposed Shared Road and Sidewalk — Existing Shared Road and Sidewalk

ABOUT THIS MAP: This map depicts the corridors identified as the regional bicycle and pedestrian network.

--- Proposed Shared Use Path ----- Existing Shared Use Path --- Rural Corridors BP ID Number



PRIORITIZATION METHODS

PRIORITIZATION METHODS

Prioritization Methodology

As described in Chapter 7, the ActiveTrans Priority Proportions of residents in poverty, Tool was used to prioritize projects for the Plan. minority residents, and households with The following describes the methodology for zero vehicles were calculated using each step of the prioritization process. 2016 American Community Survey (ACS) 1. Measure and Input Data 5-year estimates data. Details of the data used can be found in the table on The first step was to collect data and the next page. This information was calculate scores for each of the variables included in the analysis to ensure that. for every corridor segment (project). This information was included in the The reason for inclusion, source and analysis to ensure that implementation calculation methodology for each variable of the bicycle and pedestrian corridors is outlined below: benefits residents and communities that Destinations may need the infrastructure the most, but have often been left behind or harmed by The number of destinations is the sum of transportation projects.

the number of schools (both public and private schools for Kindergarten through Grade 12), regional libraries, city and county parks, all major grocery stores, and designated polling places within a half mile of each project.

Values for population density and employment density were calculated with projected 2045 Population and Employment data by transportation analysis zone (TAZ). Density calculations were done with ModelBuilder in ArcGIS to determine half mile buffers around each project, determine the area in square miles, as well as both the projected 2045 population and projected 2045 employment numbers within each buffer. Next, the population and employment numbers were divided by the buffer area. The final outputs were in people per square mile for population density and jobs per square mile for employment density.

This variable was used to encourage implementation of projects that would benefit more people and provide access to more places, thus increasing the viability of using the bicycle and

pedestrian network for transportation.

Equity

Poverty

Minority residents and households with no access to vehicles within each buffer. Next, the population numbers determined for each variable were divided by the total population within buffer area. The final output was a proportion for each variable.

Name	Codes	Description
Total Population	B17021e1	Total: Population for whom poverty status is determined
Total Poverty	B17021e2	Income in the past 12 months below poverty level: Population for whom poverty status is determined
Total Population	B2001e1	Total: Total Population
Total Minority	B02001e3 B02001e4 B02001e5 B02001e6 B02001e7 B02001e8 B03002e13	Black or African American alone American Indian and Alaska Native alone Asian alone Native Hawaiian and Other Pacific Islander alone Some Other Race alone Two or more races Hispanic or Latino: White alone
Total Units	B25044e1	Total: Occupied housing units
Total Units without access to a vehicle	B25044e3 B25044e10	Owner occupied: No vehicle available Renter occupied: No vehicle available

• Improvement over existing conditions

Scores were based on existing bike and pedestrian infrastructure and were determined using ArcGIS if there was any existing bike or pedestrian infrastructure along each proposed corridor segment. This variable was included to account for the difference between corridors where there is no bike or pedestrian infrastructure and corridors where such infrastructure exists but could be improved.

• Demand

Scores were calculated to represent the relative number of short trips (less than 5 miles in length) that are being made along the corridor. This was done to estimate the relative number of people who may bike or walk along the corridor segment if new infrastructure is provided. The data came from the StreetLight Insight platform, which uses anonymized location data from cell phone applications to identify trips and travel patterns. The tool does not currently identify the mode of travel but does allow for calculating the relative

number of all trips on each roadway that are relatively short. For most corridor segments, the score was calculated as the relative number of trips less than 5 miles on the adjacent road. For projects that are not along roadways, or are parallel to roadways with larger traffic volumes, multiple adjacent corridors that provide similar connectivity were given the same demand score.

PRIORITIZATION METHODS

Connectivity

Scores were determined using ArcGIS and based on if projects were at the City of Charlottesville and Albemarle County boundary, addressed major barriers, or connected to other infrastructure at an identified key junction or hub. Major barriers were identified by the TJPDC and included input about major barriers from the public. This variable was used due to the importance of having connected infrastructure that crosses physical and political boundaries to allow for bicycle and pedestrian travel throughout the region.

PRIORITIZATION METHODS

2. Scaling

The next step was scaling to ensure variables are comparable, due to each variable being measured in different units. A common scale of 0-10 was decided on and proportionate scaling was used to adjust the raw values for each variable to fit the common scale. The following formula was used to proportionately scale values:

$$Y = \frac{(X - Min)}{(Max - Min)} * Scale$$

Y = scaled valueX = raw valueMin = Minimum raw valueMax = Maximum raw valueScale = 10

The sum of scaled values for variables within each category were calculated and categories were then scaled using the same method as above to determine project's un-weighted score for each category.

3. Weighing

Weights were then determined for each category and can be found in the following table. Due to the difference in method of measurement between categories, weights were adjusted to balance out some of the factors in addition to the weights representing community values.

Factor	Factor Weight
Destination	10
Equity	8
Improvements	4
Demand	8
Connectivity	6

4. Scoring and Ranking

To determine prioritization scores for each project, the weighted values for each variable were summed. The projects were then ranked based on the prioritization score and the project list was divided into three tiers to determine the final ATP prioritization. As shown in Appendix A, some adjustments were made to the ATP prioritization ranking for the final prioritization Tiers.





TJPDC/PEC Hosted Events					
Date	Event	Organizer	Location	Attendees	
7/20/17	Webinar Viewing: Getting to Yes	PEC / TJPDC	Online	50	
			Jefferson		
11/8/17	Project Kickoff	PEC / TJPDC	School	180	
11/15/17	Webinar Viewing	PEC	PEC	6	
11/17/17	Cypherways	PEC / CACF	Live Arts	80	
1/11/18	Webinar Viewing	TJPDC/PEC	TJPDC	6	
	Joint Greenways Social with Safe		3-Notch'd		
2/16/18	Routes to School	PEC/Safe Routes	Brewery	200	
	Joint Greenways Social with		Timberwood		
3/6/18	Charlottesville Irail Runners	PEC	Draft House	30	
3/15/18	Fifth Street Trail Hub Public Meeting	TJPDC	TJPDC	60	
3/25/18	Tell Your Fifeville Stories	TJPDC	Buford Cafeteria	30	
			Starting at		
5/2//18	HIPHOP VIDE RIDE with the Mayor	BPAC/PEC	Friendship Court	20	
C /21/10	Twillight Dilko Dido	PEC/BPAC/The	The Dridge DAI	20	
7/25/10	Twilight Dike Ride		Machington Dark	30	
//20/10	Wohinar Viewing: Engaging Elected	FEC/DFAC	Washington Park	/	
7/26/18	Officials (American Trails)			10	
7720710		T LC/15FDC	Riue Ridae	10	
9/5/18	September Social Bike Ride	PEC/BPAC	Cyclery	25	
10/17/18	Transportation Open House	TJPDC	TJPDC	50	
10/20/18	PEC Annual Meeting	PEC	Castle Hill Farm	150	
		PEC/BPAC/UVA			
11/15/18	Sustainability Social Ride	Sustainability	Peloton Station	15	
		PEC/			
		Charlottesville/			
	Walking and Biking Toward Equity: an	UVA Architecture/	Jefferson		
11/28/18	Evening with Charles Brown	TJPDC/CACF	School	150+	
44/00/140	Q &A with Charles Brown sponsored		Boys and Girls	0-	
11/29/18	by Move2Health	PEC/Move2Health	Club	25	

PUBLIC ENGAGEMENT

PUBLIC ENGAGEMENT					
Presentations and Participation in Other Organizations' Gatherings					
Date	Event	Organizer/Host	Location	Attendees	
10/16/17	City Council Testimony		City Council Meeting	50 + TV	
11/20/17	City Council Testimony		City Council Meeting	50 + TV	
12/4/17	City Council Testimony		City Council Meeting	50 + TV	
			Downtown Mall/		
12/5/17	Tabling	PEC / TJPDC	Mudhouse	25	
			Downtown Mall/		
12/16/17	Tabling	PEC	Mudhouse	60	
			Champion Brewing		
1/10/18	Tabling (Running Club)	PEC	Company	100	
1/16/18	City Council Testimony		City Council Meeting	50 + TV	
	Fifth/Ridge/McIntire Master Plan	City of			
1/17/18	Open House	Charlottesville	City Space	100	
	Piedmont Landscape Association	Virginia Landscape			
2/15/18	Annual Conference	Association	Paramount	250	
2/22/18	Rotary Club Luncheon	PEC/City/County	Boar's Head	40	
	Tabling @ Tom Tom Community	Tom Tom Founders			
4/9/18	Potluck	Festival	Ix	200	
		Ivy Creek			
4/14/18	Tabling @ Ivy Creek Farm Day	Foundation	Ivy Creek Natural Area	150	
		UVA Office of		ĺ	
4/17/18	Tabling @ UVA Sustainability Fair	Sustainability	Newcomb Hall	200	
		City of			
5/11/18	Tabling @ Fridays After 5	Charlottesville	Down Mall	1500	
5/17/18	CCRi Lunch and Learn	CCRi	Their Office	20	
		Great Outdoors			
6/2/18	Tabling @ Land Trust Day	Provision Company	Barracks Road	100	
		City of			
6/4/18	City Council Testimony	Charlottesville	City Hall	50	
	Albemarle Board of Supervisors				
7/5/18	Testimony	Albemarle County	Lane Auditorium	30 + TV	
7/8/18	BCBA Basketball Tournament 3	BCBA/PEC	Tonsler Park	200	
7/10/18	Sustainability Fellows Visit	PEC	PEC	15	
8/4/18	Westhaven Community Day	PHAR	Westhaven	500+	
		African American			
8/18/18	Back to School Bash	Pastor's Council	Sprint Pavilion	1500	
	Charlottesville City Council	City of		1	
9/6/18	Coordinated Testimony	Charlottesville	City Space	30+TV	
	UVA Planning Graduate Student	UVA School of		1	
9/8/18	Career Day	Architecture	TJPDC	20	
		Thomas Jefferson			
9/22/18	Heritage Harvest Festival	Foundation	Monticello	500+	

	Presentations and Participation in Other Organizations' Gatherings					
Date	Event	Organizer/Host	Location	Attendees		
		Albemarle				
		County / Chroma				
	Rivanna FLOW Festival / Bike Your	Gallery / City of	Darden Towe and			
9/29/18	Park Day	Charlottesville	Riverview Parks	300+		
	UVA Transportation Class	UVA (Andrew				
10/1/18	Presentation	Mondschein)	TJPDC	15		
	Charlottesville City Council	City of				
10/1/18	Testimony	Charlottesville	Council Chambers	50 + TV		
	Albemarle Board of Supervisors					
10/3/18	Testimony	Albemarle County	County Office Building	30+TV		
	Charlottesville City Council	City of				
10/15/18	Testimony	Charlottesville	Council Chambers	50 + TV		
	Meeting with Foxcroft & Mill Creek	Albemarle County/	County Office Building			
11/29/18	HOAs re Biscuit Run Trail	HOAs/PEC	(5th Street)	50		
		City of				
12/3/18	City Council Testimony	Charlottesville	Council Chambers	50 + TV		
	Albemarle Board of Supervisors					
12/5/18	Testimony	Albemarle County	Lane Auditorium	30+TV		
	Albemarle Board of Supervisors					
12/12/18	Testimony	Albemarle County	Lane Auditorium	50 + TV		
	Charlottesville Planning	City of				
12/18/18	Commission	Charlottesville	City Hall	20		

PUBLIC ENGAGEMENT

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Meetings with Small Groups of Stakeholders				
Date	Interviewee	Affiliation		
6/7/17	Bike / Pedestrian Advocates	Bicycle Pedestrian Advisory Committee		
9/11/17	Justin Shimp	Shimp Engineering (Nassau Street Property)		
9/12/17	Chris Gensic	Charlottesville Parks and Rec		
9/13/17	Crozet Trail Enthusiasts	3-Notch'd Advisory Group		
9/18/17	Chris Gensic, Brian Daly	Cville Parks		
9/20/17	Diana Foster	Southwood YMCA		
9/22/17	Beth Weisbrod	Virginia Capital Trail		
9/26/17	Amanda Poncy	City of Charlottesville		
9/28/17	Jon Ciambotti	Sentara/CAMBC		
9/28/17	Eugene Ryang	Water Street Studio		
10/4/17	Andrew Mondschein	UVA Architecture (Transportation Planning)		
10/5/17	Bike / Pedestrian Advocates	Bicycle Pedestrian Advisory Committee		
10/9/17	Greenways Advisory Group	Various		
10/9/17	Tara Boyd	Boyd & Sipe (Land Use Attorneys)		
10/11/17	Jon Ciambatti	Sentara/Martha Jefferson		
10/13/17	Barbara Brown-Wilson	UVA Planning		
10/14/17	Various	William & Mary Alumni		
10/17/17	Rip Verkerke	RTF		
10/18/17	Dave Stackhouse	САМВС		
10/20/17	Emily Kilroy	Albemarle County		
10/25/17	Allie Hill	RTF/3-Notch'd		
10/25/17	James Pierce, Shannon Tevendale	Boys & Girls Club		
11/1/17	Carolyn Zelikow	Tom Tom Festival		
11/7/17	Trail Enthusiasts	RTF		
11/8/17	Amanda Harding; Sunshine Mathon	Willowtree Applications; Piedmont Housing Alliance		
11/9/17	Antonio Rice	Salvation Army		
11/13/17	3 Notch'd trail crew	3 Notch'd Advisory Group		
11/14/17	CACF Next Gen Board	Various		
11/14/17	Rebecca Schmidt; Putnam Ivey; Cindy Rosales	Thomas Jefferson Health District		
		Downtown Businesses Association of		
11/15/17	Board	Charlottesville		
11/26/17	Jenny Roe	UVA School of Architecture		

Meetings with Small Groups of Stakeholders				
Event	Location	Subject		
Monthly meeting	City Hall	June Cycling Event		
	BCNA Meeting (Clark)	Easement for Rivanna Trail		
	Phone	Brief on Shimp Meeting		
	County Office Building	Brain Dump/Action Plan		
	Parks & Rec	Intros		
Southwood Trails Work				
Day	Southwood	Intros		
Field Trip w 3 notch'd				
trail group	Richmond	Capital Trail Lessons Learned		
	LaTaza	Advice re advisory group		
	Telephone	Introductions		
	Java Java	Intro to project; Preston Greenway		
	Bluegrass Grill	Advice and mentorship		
Monthly meeting	City Hall	Project Intro		
Regular Meeting	TJPDC	Project Intro, Covenant		
		Bringing HOA's Prop Management Firms,		
	Her office	Developers in as stakeholders		
	Shenandoah Joe	Intro		
		Project Intro, Community engagement strategy,		
	Millie Joe	Collaborative opportunities		
Highland Trail Work Day	James Monroe's Highland	Project Into, Ideas		
	PEC	Project Intro		
	PEC	Advocacy Umbrella Organization for Cyclists		
	PEC	Project Intro		
		Project intro, Future of advocacy community.		
	Cville Coffee	Reach out to Susan Stimart (County Econ Dev)		
		Project Intro, Outreach ideas, Collaboration		
	Call	Opportunities		
	Call	Home Town Summit; Tabling at their Events		
	The Nook	Breakfast w Chuck Flink. Project Intro		
		Project Intro; Event possibilities; Possible board		
	Bashir's	member		
	County Office Bldg	3NT Feasibility Study		
	PEC	Cypherways Event		
	PEC	Project Intro; Working together		
wontnly weeting		Project Intro		
	Beer Kun			

PUBLIC ENGAGEMENT					
	Meetings with Small Groups of Stakeholders				
Date	Interviewee	Affiliation			
11/27/17	Zach Herrman; Amanda Poncy	TJPDC; City of Charlottesville			
12/10/17	Pete O'Shea	Siteworks Studio			
12/11/17	Ridae Schuvler	PVCC			
12/12/17	Kvle Rodland	Safe Routes to School			
12/13/17	Health & Wellness Community	Move2Health Coalition			
	, ,				
12/14/17	Rush Otis	Habitat for Humanity			
,,					
12/18/17	Charlene Green	Charlottesville Office of Human Rights			
12/18/17	Allan Goffinski	The Bridge PAI			
12/10/17					
12/19/17	Kari Miller I iza Fields	International Neighbors			
12/10/17					
1/3/18	Dan Mahon: Chris Gensic	Albemarle: Charlottesville			
1/3/10	Colleen Laney	Alberhane, endrottesville 3-Notch'd Brewing Company			
1/ 3/ 10	Colleen Laney				
1/5/18	Dovin Floyd	Contor for Lirban Habitats			
1/10/18	Hoalth & Wollnoss Community	Movo2Hoalth Coalition			
1/10/18	Ron Wilson	Nost Proporty Management			
1/10/10					
1/17/10	lackie Martin	Sontara Martha Jofforson, Hoalth Systems			
1/12/10	Dackie Maturi Dill Muonach Mad Covrilovia				
01/C1/I	Dill Wuellsch, vidu Gdvillovic	EFR-FC			
1/10/10	Die Markerke, Jon Conon				
1/10/18		UVA LdW SCHOOL			
1/19/18	Greenways Advisory Group	Vallous			
	Dan Heuchert, Chris Lebianc, Tim	For second LICA			
	Cognala, Leign Wion, David Golladay,				
		MIII Creek HOA			
1/22/40	Stephanie Blanch				
1/22/18	Rick Randolf, Dan Mahon	Albemarle County			
1/24/18	Dan Tucker	S I Collins Enterprise (5th Street Station)			
1/24/18	Residents	Tenth and Page Neighborhood Association			
1/2 1/10					
1/25/18	Chris Gensic, Dan Mahon	Charlottosvillo Albomarlo			
1/20/10		Chanollesville, Albentane			
1/25/10	Posidents Habitat rodovolopment toom	Southwood Community			
1/26/10	Kulo Podland	Safa Poutos to School			
1/20/10	Nyle Nullanu Dacial / Community Understanding				
1/07/10	Croup	Citizan Naada (Canyanad by Claranaa Craas)			
1/2//18	Gloup	Cilizen needs (Convened by Clarence Green)			

PUBLIC ENGAGEMENT		
	Meetings with Small G	roups of Stakeholders
Event	Location	Subject
		Community engagement; relationship between
		Greenways plan and
	PEC	Charlottesville Bike/Ped plan
	Sitoworks	
	SILEWOIKS	Connectivity w PV/CC and surrounding
	PEC	community
	PEC	Program opportunities
	ҮМСА	Learning about organization. Possibility of joining.
		Partnership opportunities, connecting w
	Southwood	Southwood Residents
	Brazos	Network strategy, Equity Planning, collaboration
	Java Java	
Cville 10-miler		Partnership opportunities, connecting w
Registration Party	Random Row Brewing Co	excluded communities
		Rotary Club Presentation; 5th Street Station;
	PEC	Reid's Rail Trail
	3-Notch'd	Feb 9 Push-in event
		Urban Wilds; Place-specific interactive
	PEC	programming on greenways
	YMCA	Project updates
	PEC	Engagement with HOA's
		Collaboration; Public Health Basis for Project;
	Mudhouse	Assistance from Move2Health
	901 E JEIIEISOIT SL	Stri Street Corndor StudyCommunity Outreach
	UVA Law School	Morven Trail Next Steps
Regular Meeting	TJPDC	
		5th Street Trail Hub Stakeholders Meeting
	Foxcroft Club house	Possible trail easement
	County Office, 5th	5th Street Trail Hub Stakeholders Meeting.
Monthly Meeting	City of Promise	Project Intro, Updates. Input
Periodic Planning		
Session	PEC	Greenways Presentation
Redevelopment	Coutourcod	Cotting to know the group and the instruction
weeting		Gening to know the group and their processes
Community Pocolya	reu	DOINT EVENT AL S-INOLCH A
Meeting	lefferson School	Community bridge building study circle
meening	penerson school	Community phage pulluling study circle

Meetings with Small Groups of Stakeholders				
Date		Affiliation		
Date				
1/29/18	Trail/Mobility Advocates Focus Group	Various stakeholder leaders		
1/30/18	Neighboring Businesses Focus Group	Various stakeholder leaders		
1/30/18	Quinton Harrell	Heritage United Builders / Community Activist		
1/31/18	Neighboring Businesses Focus Group	Various stakeholder leaders		
1/31/18	Refugees and refugee advocates	International Neighbors		
2/3/18	Social Justice Advocates	Various		
2/5/18	Adam Moore	VDOT		
2/8/18	Residents, Habitat redevelopment team	Southwood Community		
2/13/18	Erika Viccellio	United Way		
2/13/18	Chris Gensic, Dan Mahon	Charlottesville, Albemarle		
2/14/18	Health & Wellness Community	Move2Health Coaltion		
2/14/18	Barbara Brown Wilson	UVA School of Architecture		
2/14/18	Chris Schooley, Elise Cruz	UVA Foundation		
2/21/18	Barbara Hirshorn	Geronworks (Gerontologist)		
2/22/18	John Ferguson	UVA Hospital		
2/23/18	Larry Garrettson	Willoughby HOA		
2/25/18	Julie Roller	Thomas Jefferson Foundation		
2/26/18	Environmental Activists	PEC Board		
2/27/18	Robert Brickhouse	Retiree		
2/28/18	Downtown Businesses	Various		
3/1/18	Amy Laufer	Charlottesville School Board		
0/ 1/ 10		Timberwood Weamans Dick's Sporting Goods		
3/1/18	Fifth Street Station Merchants	Planet Fitness		
	Dan Mahon, David Golladay, Leigh Wion,			
3/1/18	Chris Leblanc, Kevin Grunden	Albemarle County, Mill Creek HOA, Foxcroft HOA		
		Greenbriar Neighborhood Association/ RTF;		
3/2/18	Ned Michie; Kathy Galvin	Charlottesville City Council		
3/6/18	Trail Activists	Rivanna Trail Foundation		
3/7/18	Matthew Ware (Fox)	Community Bikes		
3/8/18	Mobility Advocates	Various (esp VDOT)		
3/12/18	Heather Hill	Charlottesville City Council		
3/12/18	Todd Niemeier	Charlottesville Office of Human Rights		
3/14/18	Move2Health Coaltion	Various		
3/14/18	Austin Shaffer	Piedmont YMCA		

PUBLIC ENGAGEMENT						
	Meetings with Small Groups of Stakeholders					
Event	Location	Subject				
		Eth Church Trail Link Chalcobaldara Maating				
	IJPDC	SIN STREET ITAIL HUD STAKENOLOURS Meeting.				
	County Office, 5th	SIN Street Irall Hub Stakenolders weeling.				
	Mel's Late	Intros / Ladder of Opportunity				
Que et Meischle eus Dilus	County Office, 5th	Sth Street Trail Hub Stakeholders Meeting.				
Great Neighbors Bike	Miabia Driva					
GIVeaway	Michie Drive	Understanding mobility issues for those w/o cars				
I neater of the						
Oppressed workshop						
	Sth St. Station	Methods to safely cross 5th St Station Parkway				
Redevelopment						
Meeting	Southwood	Connectivity / Irails				
	Shenandoah Joes	Intros, collaboration opportunities				
Periodic Planning						
Session	PEC	Greenways Presentation				
	YMCA					
	Shenandoah Joes					
	Boar's Head	Project Intro				
	Mud House	Project Into; Accessibility				
	PEC					
	PEC					
	Moose's by the Creek	Project update				
PEC Donor Lunch	PEC	Project intro, listening				
	Java Java	Project intro, listening				
Downtown Business						
Alliance Annual						
Meeting	Paramount					
	LaTaza	Project intro, listening				
	Fifth Street Station	Project intro, listening				
	Foxcroft Club House	Project intro, listening				
	Mudhouse	Greenbriar Trails; Socio-economic factors of trails				
Monthly Board Meeting	Beer Run	Updates, 5th Hub, Greenbriar Tunnel				
	PEC					
29/Hydraulic Public						
Meeting	CHS	29/Hydraulic Area Plan				
	The Nook	Project intro, updates, Greenbriar Tunnel				
	PEC	Reaching low-wealth communities				
		Social media, inventory of resources, Open				
Monthly Meeting	ҮМСА	Streets event				
	ҮМСА	Project Intro				
Tim Keller's Cultural						
Landscapes Class	A-School	Presentation, Survey, Discussion				
•	·					

PUBLIC ENGAGEMENT

Meetings with Small Groups of Stakeholders		
Date	Interviewee	Affiliation
3/15/18	UVA Students (~20)	UVA School of Architecture
3/17/18	Housing Justice Advocates	Public Housing Association of Residents
3/22/18	Michael Barnes	Rivanna Trail Foundation
3/26/18	Clarence Green	Charlottesville Resolve
3/26/18	Pantops Stakeholders	Pantops Community Advisory Committee
	Chris Schooley, Elise Cruz, Paula	
	Figgatt; Bill Palmer; Chris Gensic; Dan	UVA Foundation; UVA Office of the Architect;
3/27/18	Mahon	Charlottesville, Albemarle
4/11/18	Health & Wellness Community	Move2Health Coaltion
4/12/18	Mike Stoneking	Architect
4/19/18	Greenways Advisory Group	Various
4/23/18	Liz Belcher	Roanoke Valley Greenways Commission
4/25/18	Steve Bray, Jenny Miles	Norfolk Southern Railroad (Real Estate Office)
4/30/18	Coy Barefoot	Albemarle Historical Society
5/1/18	Trail Advocates	Rivanna Trails Foundation
5/2/18	Equity Activists	Various
		UVA School of Architecture / School of Public
5/6/18	Jennifer Roe	Health
5/8/18	Jim Murray	UVA Board of Visitors, Presidential Precinct
5/9/18	Barbara Yager	City of Promise
5/9/18	Daisy Ortega	Virginia Foundation for Healthy Youth
5/10/18	Andy Wilson	Rivanna Conservation Alliance (ex officio)
5/10/18	Heritage Conservationists	Piedmont Area Preservation Alliance
5/11/18	Liz Russell	Monticello
5/14/18	Public Housing Residents	Public Housing Association of Residents
5/18/18	Barbara Brown Wilson	UVA School of Architecture
	GIS Specialists: Dave Fox, Mark	Albemarle County, City of Charlottesville, Rivanna
5/25/18	Simpson, Amy Ferguson, Chris Gist	Trails Foundation, UVA Scholars lab
5/29/18	Westhaven Day Stakeholders	Various. PHAR Hosting
5/31/18	Allan Goffinski	The Bridge Progressive Arts Initiative
6/5/18	Trail Activists	Rivanna Trail Foundation
6/6/18	Kathy Galvin	Charlottesville City Council
6/6/18	Various	Various
6/7/18	Laura Ellis	Charlottesville Dept of Risk Management
6/13/18	Health & Wellness Community	Move2Health Coalition
6/13/18	Leah Wion, Wayne Snyder	Mill Creek, Foxcroft HOAs
6/14/18	Alan Goffinski, Niko Test	The Bridge PAI; City of Charlottesville

	Meetings with Small Groups of Stakeholders		
Event	Location	Subject	
UVA, Gentrification,			
and Housing Justice			
Conference	CitySpace		
	PEC	Pantops Master Plan recommendations	
	Pie Chest	Project Intro, equity	
Pantops Master			
Planning Transportation			
Forum	Martha Jefferson	Walk/Bike Connectivity	
	Boar's Head	Working relationship, Some routes	
Monthly Meeting	ҮМСА	Social Media, Health Data, Open Streets Event	
	PEC	Comprehensive Plan	
Regular Meeting	TJPDC		
VAULT Conference	Roanoke	Bike Tour of Roanoke Greenways	
	N.S. Roanoke HQ	Land/easement acquisition for rail trail project	
	Cville Coffee	Intros, Working together	
Monthly Board Meeting	Beer Run		
UVA Community		Research topics for community collaboration. My	
Engagement Forum	Jefferson School	focus: transportation	
	Rolmont	Impacts of stross / stross roduction stratogios	
		Intras, Connectivity, working relationships	
Maya 21 Jaalth Maatinga		Masthavan Walks and Community Day	
	TVICA		
Community Engagement Workshop		Engaging and Empowering Driarity Communities	
Engagement workshop		Engaging and Empowering Phoney Communities	
		ITAII HUD, BISCUIL RUTI ITAII LOUI	
Appuel Event	Monion	L lorito do propositivity	
Annual Event			
		Heritage area connectivity	
wontnly weeting	Legal Ald Justice Center	Getting to know them	
	Shenandoan Joes	Community Engagement Strategies	
One-Map Task force		Working group convened to centralize trail and	
meeting	IJPDC	bike infrastructure data	
Westhaven Day	Westhaven Community		
Planning Session	Room	Westhaven Walks and Community Day	
	The Bridge PAI	6/21 community bike ride	
Monthly board meeting	Beer Run	-	
	Marie Bette	Governance	
CACF Annual Luncheor	Boar's Head	CACF Year in review, digging deeper	
	NDS Conference Room	Safety and liability at events	
Monthly meeting	УМСА	Photo voice, CATCH Program, Survey placement	
	Foxcroft Clubhouse	Strategy for Biscuit Run Trail easement	
	The Bridge PAI	6/21 Bike ride event	

Meetings with Small Groups of Stakeholders		
Date	Interviewee	Affiliation
6/14/18	Transportation Advocates	Various. MPO Hosting
6/15/18	Rip Verkerke	Rivanna Trail Foundation
6/18/18	Lynn Childers	Charlottesville City Police
6/19/18	Park Advocates	Various
6/22/18	Greenways Advisory Group	Various
6/25/18	Pantops Residents	Pantops CAC
6/26/18	Westhaven Day Stakeholders	Various. PHAR Hosting
6/26/18	Rebecca Schmidt	Thomas Jefferson Health District
7/3/18	Erika Goode	UVA Recreational Sports
7/5/18	Kathy Galvin	Charlottesville City Council
	Leah Wion; Chris Leblanc, Wayne	
7/10/18	Snyder; Dan Mahon	Mill Creek; Foxcroft HOAs; Albemarle County
7/12/18	Mobility Advocates	Various
7/12/18	Bike / Pedestrian Advocates	Bicycle Pedestrian Advisory Committee
7/16/18	Giles Morris	Charlottesville Tomorrow
7/16/18	Jenny Miles	Norfolk Southern Railroad
	Gwen Cook, Katie Lloyd, Joyce	
7/19/18	Figueroa	Mecklenberg Count Parks (Greenways Team)
7/24/18	Westhaven Day Stakeholders	Various. PHAR Hosting
7/31/18	Westhaven Day Stakeholders	Various. PHAR Hosting
8/1/18	Richmond Cyclists	Walk/Bike RVA
8/5/18	Runners	Charlottesville Area Trail Runners
8/7/18	Trail Advocates	Rivanna Trail Foundation
8/8/18	Health & Wellness Community	Various
8/8/18	Brooke Rae	International Rescue Committee
8/8/18	Richmond Cyclists	Walk/Bike RVA
8/9/18	Urbanists	PLACE Design Task Force
8/9/18	Biscuit Run Enthusiasts	Various
8/15/18	Richmond Cyclists	Walk/Bike RVA
0.00.000		
8/21/18	Community Leaders	Various
8/77/18	Biscuit Run enthusiasts	Various

Meetings with Small Groups of Stakeholders		
Event	Location	Subject
L RTP Open House	TJPDC	
	PEC	Sustained advocacy
	PEC	Program opportunities, liaisons w CPD
Biscuit Run Park public		
meetings	County Office Building	Biscuit Run Park planning
Regular Meeting	TJPDC	
Pantops Master Plan		
Meeting	Martha Jefferson	
Westhaven Dav	Westhaven Community	
Planning Session	Room	Westhaven Walks and Community Day
	Health Department	CDC Grant
	PEC	Connecting with / hearing from UVA Students
	Cville Coffee	Advocacy, walkability
	Wegmans Cafe	Autumn HOA education event
Fifth Street Corridor		
Public Meeting	City Space	
Monthly meeting	City Space	
	Millie Joe	Intros / collaborator
	Bodo's	Rail to trail project
	Mecklenberg County Parks	5
	Dept	Background, lessons from Charlotte
Westhaven Day	Westhaven Community	
Planning Session	Room	
Westhaven Day	Westhaven Community	
Planning Session	Room	
Advocacy Academy	Richmond	
Sunday Group Run	Boar's Head	
Monthly Board Meeting	Beer Run	
Move2Health Coalition	Martha Jefferson Cancer	
Meeting	Center	
	PEC	
Advocacy Academy	Richmond	
Monthly Meeting	City Hall Basement	Alleyways
Biscuit Run Planning		
Event	County Office Building	2nd Biscuit Run Public Meeting
Advocacy Academy	Richmond	
City Planning		
Commission Work		Community Engagement Strategy for City Comp
Session	Key Rec Center	Plan
Biscuit Run Planning		
Event	County Office Building	Conceptual Designs

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POBLIC ENGAGEMENT		
Meetings with Small Groups of Stakeholders		
Date	Interviewee	Affiliation
	Kevin McDermott. Dan Mahon. Dan	
	Butch, Rachel Falkenstein, Andrew	
8/23/18	Knuppel	Albemarle County Staff
0/20/10		
8/29/18	Giles Morris	Cville Tomorrow
8/20/10	Dichmond Cyclists	
0/29/10	Nichimona Cyclists	PAMAworks Foundation
0/30/10		DAIVIAWOIKS FOUHUUUIOH
0/20/40		
8/30/18	Sustainability Advocates	Various
9/4/18	Irail Advocates	Rivanna Irail Foundation
9/5/18	Greenways Advisory Group	Various
9/6/18	UVA Transportation Stakeholders	Various (mostly UVA staff)
9/6/18	UVA Transportation Stakeholders	Various (mostly UVA staff)
9/6/18	Bike/Ped Advocates	Bicycle Pedestrian Advisory Committee
9/7/18	UVA Transportation Stakeholders	Various (mostly UVA staff)
9/11/18	Racial Justice Activists	SUR J
0/11/10		
9/12/18	Erv's Spring Residents	Various
NI/A	Michaol Barnos	
0/17/10	Frice Coode, Sarah Littlefield	INTERNATION
9/1//10	Erica Goode, Sarah Limeneid	OVA REC Sports, OVA Transportation
0 11 7 11 0		
9/1//18	UVA, City Transportation Stakeholders	Mostly UVA students
9/20/18	Planning and Coordination Council	Albemarie, Charlottesville, UVA leadership
9/21/18	Environmental Advocates	Various
9/21/18	Dan Mahon	Albemarle County
9/25/18	Susan Kruse	Appalachian Voices
9/27/18	Tree Stewards	Charlottesville Tree Commission
9/28/18	Developers, Planners	Various
9/28/18	River advocates	Various
9/28/18	River advocates	Various
10/2/12	Trail Advocates	Rivanna Trail Foundation
10/2/10		
10/1/10	Roard of Supervisors and City Council	Albemarle County / City of Charlottocyillo
10/4/10	Pile/Pad Advacates	Piovolo Dodostrian Advisony Committee
10/4/10	DIKEN EU AUVULALES	

PUBLIC ENGAGEMENT	
	Meetings with Smal
Event	Location
	County Office Building
	County Office Building
	PEC
Advocacy Academy	Richmond
	PEC
Better Business	
Challenge event	Kardinal Hall
Monthly Board Meeting	Beer Run
Regular Meeting	TJPDC
Transportation Summit	
Kickoff	Rotunda
Iransportation Focus	
Group: Bike/Ped	Newcomb Hall
Monthly meeting	NDS Conterence Room
Transportation Focus	
Group. All Irdns	
Ployidilis Social Happy Hour	
Noighborhood	ГПЕГТУ
Association Meeting	Cherry Avenue Church
	AFC
Emmett Streetscape	
Public Meeting	Lambeth Commons (UV
Quarterly Meeting	County Office Building
Environmental	
Roundtable	PEC
	Mud House
	Java Java
Joint meeting with	
BPAC	NDS Conference Room
ULI Rivanna River	
Renaissance	
Presentation	County Office Building
Rivanna River	
	County Office Building
IJPDC Rivanna River	
Planning Session	County Office Building
IVIONTINIY BOARD Meeting	Beer Kun
Londorshin Summit	County Office Bullaing (
Leduership Summer	SU NDS Conforance Room
monuny meeting	INDS COMETENCE ROOM

all Gr	oups of Stakeholders
	Subject
	Community Engagement Through CACs
	Long-form story on Biscuit Run / Southern Urban
	connections
	Grant for Bike Cville program
n	
	Getting to know them
	Connactivity clang Maara's Crack
	Confilectivity diolog Moore's Creek
	Contuol Indp Joint Riko Rido
	JOIIIT RIKE KIDE
. / ^)	
VA)	Pirdwood Padavalanmant Sunsat Ava Pridaa
	bildwood Redevelopment, Sunset Ave bildge
	Riscuit Run
n	High Street StreetScape project
	Successful River Plans (Roanoke and Greenville
	SC)
	/
	Public input for Rivanna River Corridor Plan
	1,
(5th	
1	Joint cooperation, incl trails and transportation
n	

Meetings with Small Groups of Stakeholders		
Date	Interviewee	Affiliation
10/5/18	Manager	Peloton Station
10/6/18	Racial Justice Activists	Charlottesville Clergy Collective
10/10/18	Elementary kids and families	Clark Elementary
10/10/18	Public Health Advocates	Move2Health Coalition
10/11/18	Greenways Technical Committee	Albemarle County City of Charlottesville, TJPDC
10/11/18	Rick Randolph	Albemarle County
10/12/18	Trail Advocates (Esmont)	Friends of Esmont
10/17/18	Rike / Pedestrian Advocates	Various
10/17/10		Vanous
10/22/18	Emily Haves Elliot Robinson	Charlottesville Tomorrow
10/22/10	Trail Advocatos	Albemarle County Trail Ambassadors
10/24/10	Riko / Podostrian Advocatos	Various
10/24/10		valious
	Master Cardeners	Cardon Club of Virginia
10/25/10	Master Galueriers	Galdell Club Ol Vilgillia Diagon Dia 20 Community Advisory Council
10/25/18	Albemane County Residents	Piaces-Rio-29 Community Advisory Council
10/27/10		
10/2//18	Jim Ryan, UVA Parents	University of Virginia
10/01/10		Jenerson School Aincan American Heritage
10/31/18	Ulivia Patton	Center
11/1/18	Bike/Ped Advocates	Bicycle Pedestrian Advisory Committee
11/1/18	Bike / Pedestrian Advocates	Advocacy Social
	Shenandoah Valley Bike / Ped	
11/2/18	Enthusiasts	Various
11/7/18	Carlton Neighborhood Residents	Various
11/8/18	Dan Mahon	Albemarle County
11/12/18	Low wealth residents	Public Housing Association of Residents
11/14/18	Public Health Advocates	Move2Health Coalition
11/15/18	Greenways Technical Committee	Albemarle, Charlottesville, UVA staff
11/15/18	Ellen Bassett	UVA School of Architecture
11/15/18	Emily Kilroy	Albemarle County
11/16/18	Howard Evergreen; Dan Mahon	River Bluff HOA; Albemarle County
11/19/18	Olivia Patton	Jefferson School
11/20/18	Runners	Charlottesville Area Trail Runners
11/26/18	Dan Mahon, Rick Randolph, Emily Kilroy	Albemarle County
	Diantha McKeel; Amanda Poncy; Eboni	
11/28/18	Bugg	Albemarle County; Charlottesville; CACF

Meetings with Small Groups of Stakeholders		
Event	Location	Subject
	Peloton Station	Hosting next bike ride
Pilgrimage to	Jefferson School to	Walking through history and neighborhoods from
Monticello	Monticello	the Jefferson School to Monticello
Walk to School Day	Clark Elementary School	Distributed treats who walked to school
	УМСА	Collective Impact; Photo Voice
Monthly working group		
meeting	TJPDC	One map schema; Corridors; Prioritization
	Telephone	Biscuit Run connector acquisition process
	Anna Boeshenstein's	Possibilities for a trail or open space
	house (Esmont)	opportunities
PEC Advocacy Social	3 Notch'd	What ingredients are needed for change
		Connectivity esp along souther edge (2 hour
	PEC	interview)
Initial Meeting	County Office Building	
PEC Advocacy Social	Court Square Tavern	What ingredients are needed for change
Annual Sustainability		
Forum	Paramount	General
Monthly meeting	County Office Building	Rio-29 Master Plan
UVA Parents Weekend		
Group Run	UVA Grounds	Project intro
	Jefferson School	Charles Brown event
Monthly meeting	NDS Conference Room	Budget, Dockless Mobility
		Coordinating legislative advocacy among
PEC Advocacy Social	Court Square Tavern	stakeholder groups
Harrisonburg /		
Rockingham Bike		
Summit	Harrisonburg	
CDBG Task Force		
Meeting	Sunrise Community Center	
	PEC	Biscuit Run Community Outreach
Monthly Board Meeting	Legal Aid Justice Center	Charles Brown
	ҮМСА	Collective Impact; Photo Voice
		Charles Brown, TJ Bike Ped Plan map and
Regular Meeting	TJPDC	prioritization
	Downtown Mall	
	Call	Strategies for engaging w HOAs
	The Nook	Strategies for engaging w HOAs
	Jefferson School	Charles Brown Visit
Weekly Tuesday Run	5th Street Station	Local funding
	County Office Building	Strategy for HOA Meeting
Luncheon with Charles		
Brown	The Shebeen	

	Meetings with Small Groups of Stakeholders		
Date	Interviewee	Affiliation	
11/28/18	Andrea Douglas; Jordy Yeager	Jefferson School; C-ville Weekly	
11/28/18	Interested in dockless mobility	Various	
11/29/18	Toni Barskile. Charles Brown	Albemarle County Resident, UVA Employee	
11/20/10			
12/4/18	Public Health Advocates	Various	
12/4/18	Trail Advocates	Rivanna Trail Foundation	
12/6/18	Bike/Ped Advocates	Bicycle Pedestrian Advisory Committee	
12/7/18	Emily Hays	Charlottesville Tomorrow	
12/7/18	Environmental Advocates	Various	
12/13/18	One-Map Working Group	Charlottesville; Albemarle County; UVA	
12/14/18	Alex Bryant	Tom Tom Festival	
12/14/18	Interested in dockless mobility	Various	

PUBLIC ENGAGEMENT	IENT IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII		
Meetings with Small Groups of Stakeholders			
Event	Location	Subject	
Walking tour with			
Charles Brown	Downtown Mall	Hidden story of Charlottesville	
Lime-Bike Presentation	City Hall		
Windshield Tour of		Hydraulic/29 Neighborhood Tour, Follow up to	
Commonwealth	Car	Diantha McKeel meeting	
MAPP2Health Council			
Meeting 1	Health Department		
Monthly Board Meeting	Beer Run		
		Charles Brown Recap; Brandon Ave Bike/Ped	
Monthly meeting	NDS Conference Room	Tunnel (UVA)	
	PEC	Biscuit Run Story; Survey Results	
Conservation			
Roundtable	PEC	Top issues, Biscuit Run connector process	
	TJPDC	One Map Project	
	PEC	Group Bike Rides	
Bird Bike Presentation	City Hall	Bird Scooter Presentation	



RACIAL DOT MAPS



Map 7.2 **Regional Demographics**

2 Miles

FEATURES Parks and Conservation — Urban Corridors Lakes and Rivers **H**Railroads

--- Rural Corridors • 1 Dot= 2 Persons



ABOUT THIS MAP: This map shows the regional bicycle and pedestrian corridors overlayed with race and population density. Data is taken from the American Community Survey. The map is inspired by The Racial Dot Map created by The University of Virginia.

Black

Ν





Map 7.2 **Regional Demographics**

FEATURES

RACIAL DOT MAPS

	Parks and Conservation	-
	Lakes and Rivers	
+++	Railroads	

Urban Corridors -- Rural Corridors • 1 Dot= 2 Persons

2 Miles

Map 7.2 **Regional Demographics**

FEATURES

- Parks and Conservation Urban Corridors Asian Lakes and Rivers **H**Railroads
 - --- Rural Corridors • 1 Dot= 2 Persons

2 Miles

Ν

bicycle and pedestrian corridors overlayed with race and population density. Data is taken from the American Community Survey. The map is inspired by The Racial Dot Map created by The University of Virginia.

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• White

Ν





Map 7.2 **Regional Demographics**

FEATURES

Parks and Conservation — Urban Corridors Lakes and Rivers **H**Railroads

• Hispanic --- Rural Corridors • 1 Dot= 2 Persons

Ν

2 Miles

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Map 7.2 **Regional Demographics**

FEATURES

Parks and Conservation — Urban Corridors Lakes and Rivers **H** Railroads

2 Miles --- Rural Corridors • 1 Dot= 2 Persons

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• Other/ Native American/ Multi-Racial