

Harrisonburg Bicycle & Pedestrian Plan | 2017

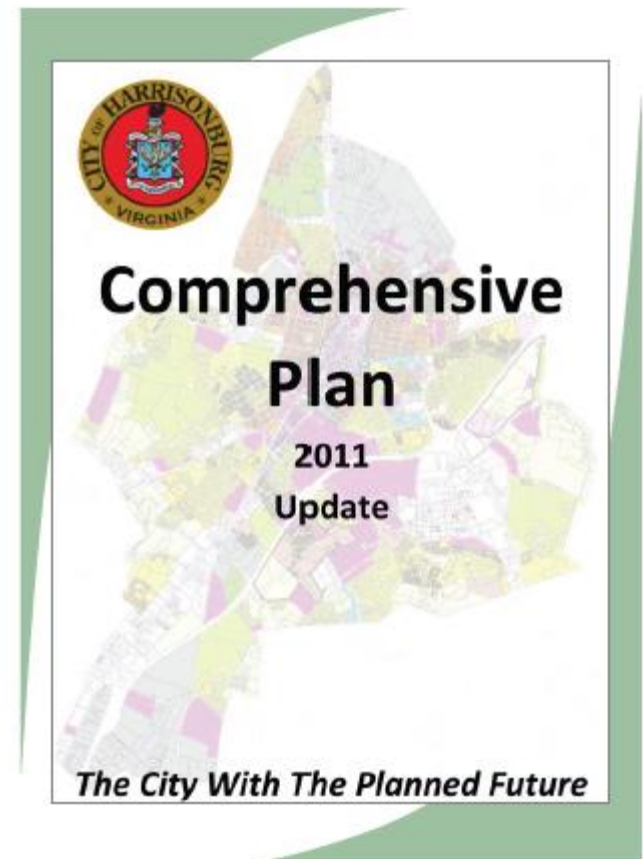


Presentation to
City Council
April 11, 2017

Department of Public Works

Bicycle & Pedestrian Plan

- Plan update timeline
- Developed by Public Works w. Bicycle & Pedestrian Subcommittee
- Part of Comprehensive Plan



Bicycle & Pedestrian Plan

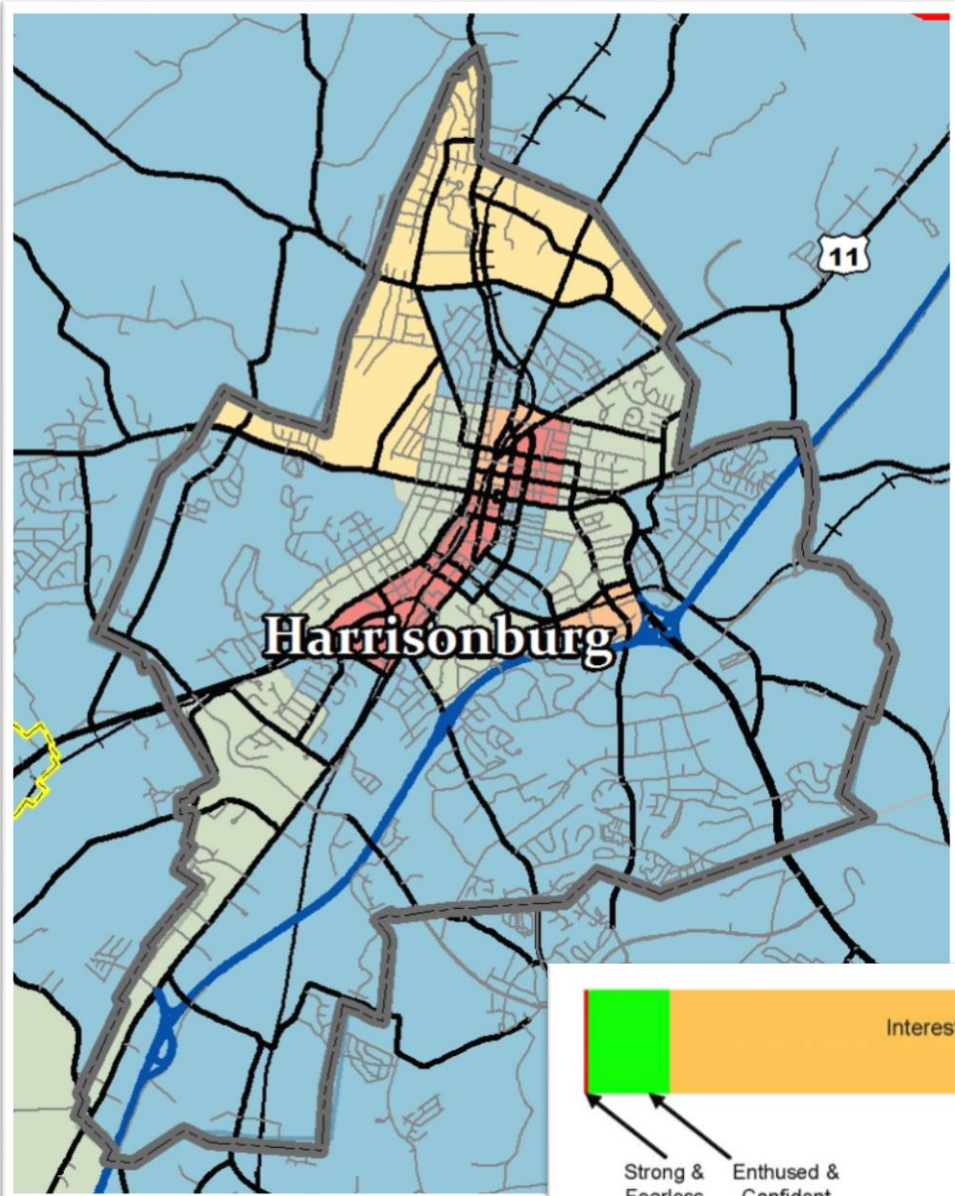
- Vision:

“The City of Harrisonburg will be a place where pedestrians and cyclists can access a connected network of bicycle and pedestrian infrastructure to safely and conveniently reach all areas of the city for school, work, play, and other daily needs.”

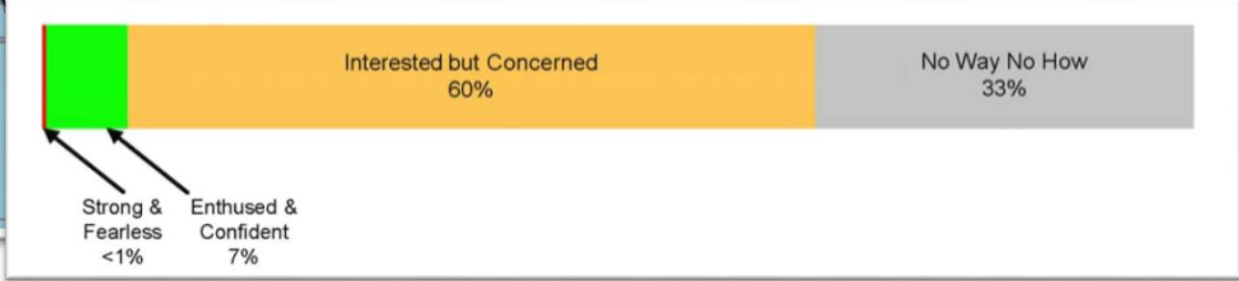
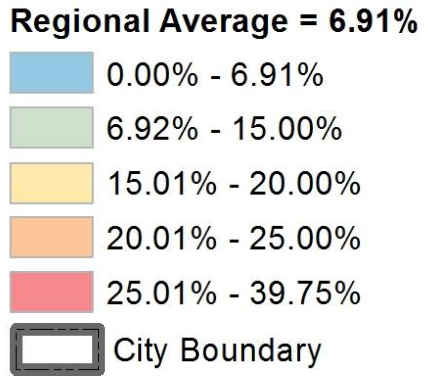
Bicycle & Pedestrian Plan

- Goal 1: To develop and maintain a network of streets and paths that are designed and operated to enable safe access for all users...
- Goal 2: To use education and encouragement to promote safe walking and bicycling as a form of transportation and recreation.

Bicycle & Pedestrian Plan



Percentage of Zero Car Households by Block Group



Bicycle & Pedestrian Plan

- Process of Plan Development
 - Outreach / Public Involvement
 - Wikimap
 - JMU student forums
 - May 19, 2015 workshop & comment period
 - Focus groups



Bicycle & Pedestrian Plan

- Focus groups
 - Safe Routes to School, youth, families
 - Transportation disadvantaged, underrepresented
 - Higher education, retirement communities
 - Business & Economic Vitality
 - Housing, Real Estate, & Property Management

Bicycle & Pedestrian Plan

- 4 Categories of bicycle & pedestrian needs
 - Pedestrian Segments
 - Pedestrian Intersections
 - Bicycle Segments
 - Shared Use Paths



Bicycle & Pedestrian Plan

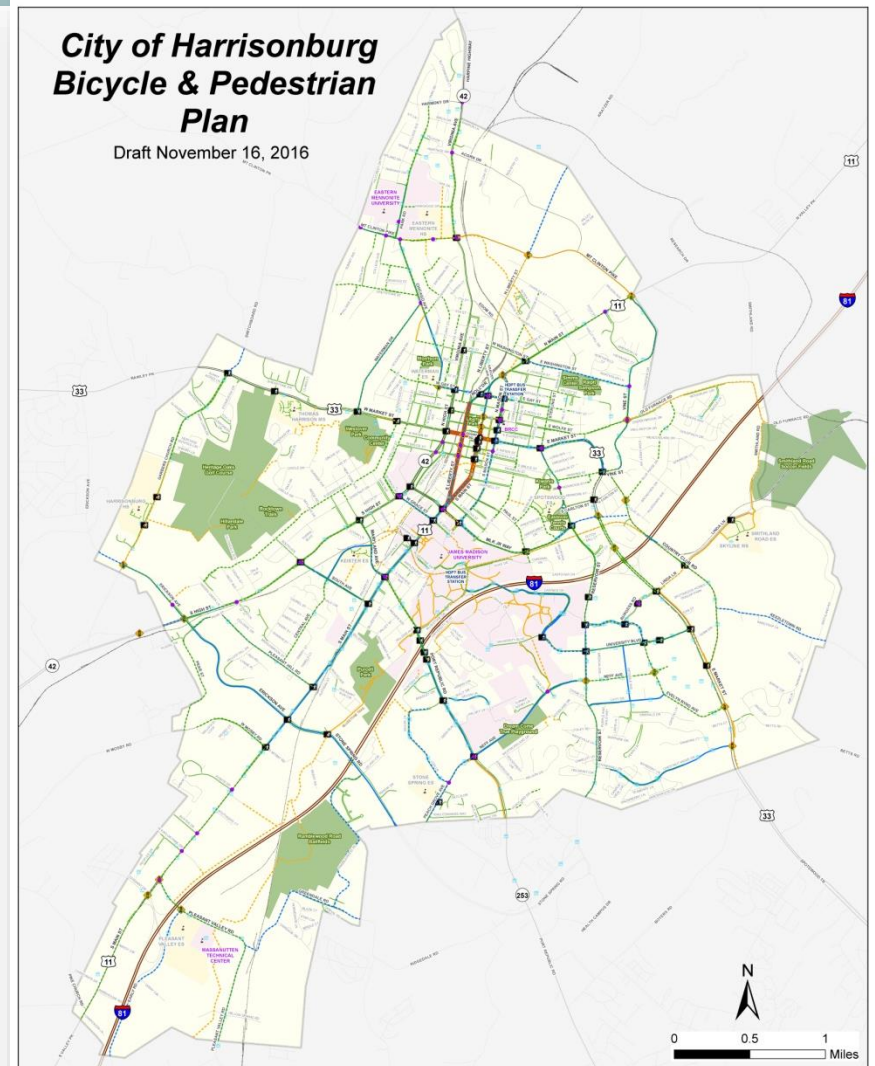
- **Activetrans Priority Tool**

Factor	Weight	Variables	
Stakeholder Input	3	<ul style="list-style-type: none"> • Requests & Comments • Included in Adopted Plan(s) 	
Constraints	10	<ul style="list-style-type: none"> • Available Right of Way • Major Utility Relocation 	
Existing Conditions	10	<ul style="list-style-type: none"> • Total Vehicle Lanes • Posted Speed Limit • Average Daily Traffic • Traffic Stress • Type of Traffic Control 	<ul style="list-style-type: none"> • Presence of Raised Median for Refuge • Distance from Nearest Traffic Signal • ADA Compliance • Longest Crossing Distance
Connectivity	6	<ul style="list-style-type: none"> • Connects to Existing Sidewalk/Path • Connects to Proposed Sidewalk/Path • Connectivity 	<ul style="list-style-type: none"> • Safe Routes to School • Located on Transit Route
Equity	6	<ul style="list-style-type: none"> • Equity Score • Population Density 	<ul style="list-style-type: none"> • Activity/Employment Density

Bicycle & Pedestrian Plan

- Network & Facility Recommendations

Map ID	Project Name / Location	Score
PS-1	Virginia Ave-Mt Clinton Pk-North City Limits	242.2
PS-2	Erickson Ave-Garbers Church Rd-Erickson Ave Phase I Terminus	238.1
PS-3	E Market St-MLK Jr Way-Linda Ln	227.8
PS-4	S Main St-Mosby Rd-South City Limits	220.1
PS-5	Peach Grove Ave-King Edwards Way-Stone Spring Rd	216.5
PS-6	N Main St-Charles St-North City Limits	208.1
PS-7	Reservoir St-MLK Jr Way-Evelyn Byrd Ave	195.4
PS-8	Port Republic rd-Forest Hill Rd-Blairstone Dr	192.8
PS-9	Port Republic Rd-S Main St-Blairstone Dr	183.4
PS-10	Country Club Rd-Vine St-E Market St	179.1
PS-11	S High St-Maryland Ave-Erickson Ave	167.2
PS-12	Garbers Church Rd Heritage Center Way-Park Lawn	164.8
PS-13	Reservoir St- Holly Ct-S Carlton St	163.3
PS-14	Portland Dr-Port Republic-End	162.2
PS-15	Chicago Ave-ML Clinton Pike-Rockingham Dr	158.8
PS-16	University Blvd-Reservoir St-E Market St	157.7
PS-17	W Rock St-N High St-Green Street	155.3
PS-18	Rambleswood Rd-East of Mineral Springs Rd to South of Stone Spring Road	153.7
PS-19	ML Clinton Pike-CollegeAve-Virginia Ave	150.8
PS-20	Reservoir St-Myers Ave-S Carlton St	141.3
PS-21	E Gay St-Myrtle St-Summit St	137.7
PS-22	W Gay St-Rockingham Dr-Chicago Ave	137.6
PS-23	Sterling St-E Elizabeth St-Effinger St	136.4
PS-24	Maryland Ave-S High St-Central Ave	135.2
PS-25	Lee Ave-W Gay St-7th St	134.4
PS-26	Reservoir St-Neff Ave-South City Limits	132.2
PS-27	Evelyn Byrd Ave-University Blvd-E Market St	131.0
PS-28	Vine St-N main St-E Market St	130.7
PS-29	MLK Jr Way-Mountain View Dr-Ott St	130.4
PS-30	S High St-Rockingham Square Shopping Center-Erickson Ave	128.2
PS-31	Central Ave-Pleasant Hill Rd-South Ave	127.7
PS-32	Rockingham Dr-Chicago Ave-Talaferra Dr	127.2
PS-34	Pleasant Valley road S Main St-South City Limits	126.0
PS-35	Norwood St-Reservoir St-Hawkins St	124.4
PS-36	Hillside Ave-Greystone St-End	124.4
PS-37	Maryland Ave-Chestnut Dr-S Dogwood Dr	120.0
PS-38	Neff Ave-Reservoir St-Valley Mall	115.4
PS-39	Blue Ridge Dr-Old Furnace Rd-Country Club Rd	114.3



Existing & Recommended Bicycle and Pedestrian Facilities

- Sidewalk
- Proposed Pedestrian Segments
- Bicycle Lanes
- Shared Lane Markings
- Proposed Bike Segments
- Shared Use Path
- Proposed Shared Use Path
- Proposed Intersection Improvements
- School
- Transit Bus Stop
- Traffic Signal with Crosswalk Signal
- Traffic Signal without Crosswalk Signal



Bicycle & Pedestrian Plan

- Implementation Strategies – 5 E's
 - **Engineering**
 - **Education**
 - **Enforcement**
 - **Encouragement**
 - **Evaluation**



Bicycle & Pedestrian Plan

- Implementation Strategies

- Coordinate facility improvements with all City capital projects
- Secure improvements from private development
- Include bicycle and pedestrian projects in CIP
- Partner with JMU, VDOT, other entities



Bicycle & Pedestrian Plan



- Implementation Strategies
 - Design & Construction Standards Manual
 - Pursue operational safety measures
 - Neighborhood Traffic Calming Program
 - Continue enforcement – all modes
 - Education & Encouragement - Partnerships

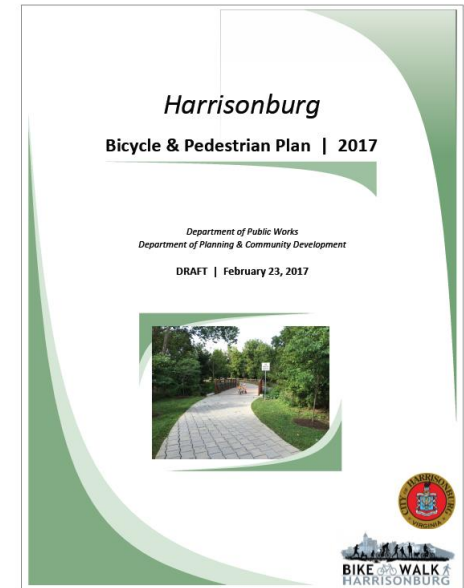
Bicycle & Pedestrian Plan

- Funding
 - General Fund
 - VDOT Revenue Sharing Program
 - Other State/Federal grants
 - Private Development



Bicycle & Pedestrian Plan

- Internal and Public Vetting
 - November 2016 public meeting
 - 30-day public comment period
 - Over 100 comments
 - Other City departments
 - Transportation Safety & Advisory Commission
 - Bicycle and Pedestrian Subcommittee



Bicycle & Pedestrian Plan

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