# **Appendices**

- A. Accomplishments Since 2010
- B. Public Workshop Summary
- C. Focus Group Summaries
- D. ActiveTrans Methodology
- E. Network & Facility Recommendations



# **Appendix A:**

**Accomplishments Since 2010** 



	:							
	rear Completed	Project Name	Project Description	Funding Source(s)	Source Amount	ung unt	General rund Amount°	erai rund Amount
Н	2010		New sidewalks (and shared use path) between Peach Grove Avenue to city limits	VDOT Transportation Enhancement*	\$ 213,	213,205 \$		53,203
7	2011	East Market Street Sidewalks Ph II	New sidewalks constructed on the north side of East Market Street from Linda Lane to University Boulevard. New pedestrian signals and crosswalks installed at Linda Lane/ Burgess Rd & East Market St.	VDOT Highway Safety Improvement Program (HSIP)	\$ 111,	111,561	\$	1
m	2012	East Market Street Sidewalks Ph III	New sidewalks constructed on the south side of East Market Street from University Boulevard to Evelyn Byrd Ave. New pedestrian signals and crosswalks installed at University Boulevard & East	VDOT Highway Safety Improvement Program (HSIP)	\$ 239)	239,139	<b>∽</b>	ı
4	2012	University Boulevard Sidewalks & Pedestrian Signal	New sidewalks constructed on the north side of University Boulevard City General Fund between East Market St to Evelyn Byrd Avenue. New pedestrian and crosswalks signal installed existing traffic signal.	City General Fund	••	' ·		204,825
rv.	2012	Green Street sidewalks	New sidewalk constructed on north side Green Street from High St towards Chicago Avenue (constructed with sidewalk reconstruction on other portions of Green St)	Community Development Block Grant	\$ 74,	74,139	<b>∽</b>	1
9	2013	Gay Street Sidewalks	New sidewalks constructed on north side of E Gay St from Sterling St to Summit St.	Community Development Block Grant	\$ 91,	91,790	•	1
7	2013	South Main Street Median at JMU	Between Grace St to Bluestone Dr.	James Madison University	\$ 307,	307,836	\$	1
∞	2013	New Pedestrian Signals & Upgraded Accessible Pedestrian Signals	Audiable, sensory communication at various signals, ex. W Market St & N High St, W Market St & Waterman Dr, Virginia Ave & Gay St, Virginia Ave & Wolfe St	City General Fund	❖	<u>٠</u>		28,000
თ	2014	East Market Street Sidewalks Ph IV	New sidewalks constructed on south side of East Market St from Carlton St to 400' north of Hawkins St. New pedestrian signals and crosswalks installed at East Market St & Hawkins/ Vine St, and East Market St/ Carlton St	VDOT Highway Safety Improvement Program (HSIP)	\$ 368	368,898	v.	1
10	2014	Waterman Elementary School Safe Routes to School Project	New sidewalks constructed in various sections of Virginia Ave between 1st St to 5th St, along the south side of 3rd St between Collicello St to Stuart St, along the east side of Stuart St between 3rd St to Chicago Avenue, and along the west side of Chicago Avenue between Rockingham Drive to 2nd St. New pedestrian signal and crosswalk added at 3rd St & Virginia Ave.	VDOT Safe Routes to School* & Community Development Block Grant	\$ 477,	477,202	φ.	1
11	2014	Stone Spring Road Phase III new sidewalks	New sidewalks on north side between Route 42 and 11	VDOT Capital Projects Revenue Bond	\$ 5,176,454		•	ı
12	2014	Wolfe Street sidewalks	New sidewalks on south side between Broad St and Mason St	City General Fund	\$	٠ -		36,000
13	2014	Downtown Streetscape Phase II	Sidewalk reconstruction and new pedestrian signals on Main St between Bruce St and Court Square	VDOT Transportation Enhancement*	\$ \$ 879,	\$ 856,268		219,817
14	2014	Main St & Mosby Rd Pedestrian Signal	New pedestrian signal and crosswalks installed at existing traffic	City General Fund		φ.		156,000
15		Main St & Pleasant Hill Rd Pedestrian Signal	New pedestrian signal and crosswalks installed at existing traffic	City General Fund		₩.		156,000
16		Neff Avenue pedestrian crossing	At Sunchase/ Abroretum Trail	City General Fund				
17	2014	Old Town ADA ramps and crossing enhancements	ADA curb ramps and new marked crosswalks and pedestrian warning City General Fund signs added on S Mason St, and at intersections of Paul St/ Ott St and Franklin St/ Myers Ave	City General Fund		Φ.		20,000

	Year				<b>Grant Funding</b>		<b>General Fund</b>
	Completed	Completed Project Name	Project Description	Funding Source(s)	Source Amount		Amount
Н	2010	Central Avenue bike lanes	New bike lanes added on existing pavement from Maryland Avenue to South Avenue	City General Fund	\$	٠ -	3,500
2	2010	South Main Street bike lanes	New bike lanes added on existing pavement from Martin Luther King Jr Way to Pleasant Hill Road	City General Fund	<b>⋄</b>	<b>⋄</b>	7,000
3	2010	Park Road bike lanes	New bike lanes added on existing pavement from Mt. Clinton Pike to W Dogwood Dr	City General Fund	\$	٠	2,000
4	2010	Vine Street bike lanes Pt I	New bike lanes stripped on existing pavement from N Main St to E Washington St	City General Fund	\$	<b>ئ</b>	4,000
2	2010	Main St sharrows	New sharrows from Campbell to Wolfe St	City General Fund	\$	٠ -	5,000
9	2011	South Avenue bike lanes	New bike lanes added on existing pavement from from RR tracks near South Main Street to RR tracks near South High Street	City General Fund	<b>⋄</b>	<b>ب</b>	2,000
7	2011	Lucy Drive bike lanes	New bike lanes added on existing pavement from Reservoir Street to Evelyn Byrd Ave	City General Fund	\$	\$	2,500
∞	2011	N Dogwood Dr, S Dogwood Dr & Hidden Creek sharrows - won't be reinstalled	New sharrows from W Market St to Rockingham Dr trail, Hidden Creek to W Market St, and Dogwood Dr to High St	City General Fund	<b>⋄</b>	٠ ٠	7,500
6	2011	S Main St sharrows	New sharrows from Martin Luther King Jr Way to Campbell St	City General Fund	⋄	٠ ٠	3,000
10	2011	Park Road & Birch Dr sharrows - won't be reinstalled	New sharrows from W Dogwood Dr to Birch Dr, and Park Rd to Virginia Ave	City General Fund	<b>⋄</b>	<b>ب</b>	5,000
11	2012	Vine St bike lanes Pt II	New bike lanes stripped from E Washington St to Country Club Road	City General Fund	\$	٠ -	1,700
12	2012	Noll Drive bike lanes	New bike lanes added on existing pavement from N Main St to Liberty St/Rock St	City General Fund	\$	\$ -	1,500
13	2013	Liberty Street Sharrows	New sharrows added on Rock St to Martin Luther King Jr Way	City General Fund	\$	\$	7,500
14	2014	Stone Spring Road Phase III new bike lanes	New bike lanes between Route 42 and 11	VDOT Capital Projects Revenue Bond	\$ 5,176,454	24	
15	2014	Vine Street bike lanes Pt III	New bike lanes striped on existing pavement between Old Furnace Rd to E Market St	City General Fund	<b>ئ</b>	٠ -	1,700
16	2015	Chicago Avenue bike lanes	New bike lanes added on existing pavement and widened roadway between Gay Street to Waterman Drive	City General Fund	₩	\$	3,000
17	2015	N Main Street bike lanes	New bike lanes added on existing pavement between Kratzer Avenue to N Mason St	City General Fund	❖	٠ \$	750
					\$ 5,176,454	\$ \$	57,650

"General Fund values presented only include the cost of materials and/or contractor for construction. Values do not include staff time to adminster the project, for in-house engineering design, surveying by city, right of way negotiations by city, or use of city forces to construct or install projects.

	Year				<b>Grant Funding</b>	guipu	<b>General Fund</b>
	Completed	Completed Project Name	Project Description	Funding Source(s)	Source Amount	ount	Amount
18	2014	Port Republic Rd & Bluestone Dr pedestrian	Port Republic Rd & Bluestone Dr pedestrian New pedestrian signal and crosswalks installed at existing traffic	James Madison University	\$ 1	15,000	
		signal	signal as part of Bluestone Trail project.				
19	2014	Bruce Strett & Liberty Street Pedestrian	Sidewalk widening and decorative patterns on associated with Ice	City General Fund & Developer	5 7	70,582 \$	44,452
		Improvements	House development				
20	2015	Stone Spring Elementary School Safe Routes	Stone Spring Elementary School Safe Routes New sidewalk on east side of Peach Grove Avenue between King	VDOT Safe Routes to School*	\$ 22	226,188 \$	1
		to School Project	Edwards Way and Decca Dr. New traffic and pedestrian signal at				
			school entrance.				
21	2015	Path between Wyndham Drive and Thomas New paved pedestrian access	New paved pedestrian access	City General Fund	φ.	<b>⊹</b>	5,000
		Harrison Middle School					
22	2016	Virginia Avenue & Mt Clinton Pike	New pedestrian signal and crosswalks installed at existing traffic	City General Fund		<b>ب</b>	6,500
		Pedestrian Signals	signal.				
23	2016	2016 West Mosby St sidewalk	New pedestrian sidewalk installed between Millwood Loop and Main Community Development Block	n Community Development Block	\$ 176,57	176,570.00 \$	1
			Street	Grant			

\*Former VDOT Transportation Enhancement and VDOT Safe Routes to School Grants are now included in the VDOT Transportation Alternatives

929,797

8,427,832 \$

Total \$

Program (TAP). "General Fund values presented only include the cost of materials and/or contractor for construction. Values do not include staff time to adminster the project, for in-house engineering design, surveying by city, right of way negotiations by city, or use of city forces to construct or install projects.

# Path-Trail Infrastructure Projects 2010-2015

Grant Funding General Fund	t Amount	5 \$ 53,203	1 \$ 536,208			toologo	cation right.	\$ 1,100,099 \$ 589,411
Grant Funding	Source Amount	\$ 213,205	\$ 886,894			Darks and Berreation Droiset	במועס מוומ ועפכו	\$ 1,100,095
	Funding Source(s)	VDOT Transportation Enhancement*	DCR Land & Water Conservation Fund, VDOT	Revenue Sharing Program, James Madison	University, City General Funds	City General Funds & Community	Organization	
	Project Description	Shared use path between Peach Grove Avenue to city limits	Bluestone Trail Project Phase 1A & Shared use path between Stone Spring Road to Port Republic DCR Land & Water Conservation Fund, VDOT	Road		Natural surface path provides pedestrian and bicycle	connection between Circle Drive and Rocktown Trails at	
	Completed Project Name	Port Republic Road Phase 3	Bluestone Trail Project Phase 1A &	18		Geronimo Trail at Hillandale Park		
Year	Completed	2010	2014			2014		
		1	7			3		

"General Fund values presented only include the cost of materials and/or contractor for construction. Values do not include staff time to adminster the project, for in-house engineering design, surveying by city, right of way negotiations by city, or use of city forces to construct or install projects.

# **Appendix B:**

**Public Workshop Summary** 



#### **Bicycle and Pedestrian Plan Public Workshop**

City of Harrisonburg Public Works
May 19, 2015
At Thomas Harrison Middle School

On May 19, 2015, over 30 citizens, 4 Bicycle & Pedestrian Subcommittee members, and 6 city staff participated in the Bicycle & Pedestrian Plan Workshop. The Workshop was facilitated by the JMU Institute for Constructive Advocacy and Dialogue.

#### **VISIONING EXERCISE**

The Workshop began with a visioning exercise where participants were asked to respond to various prompts.

# According to the citizens gathered, a good bike and pedestrian network in the City of Harrisonburg includes:

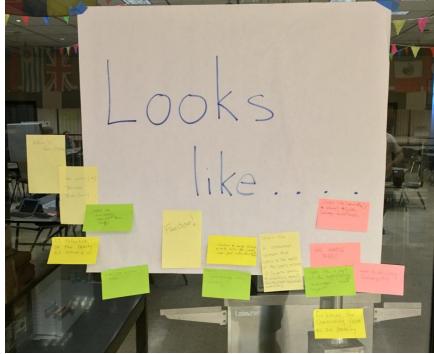
- Safe, multimodal options to all citizens
- As many bike and walkways as possible that are separate from cars and trucks
- Bike Lanes
- Shared use path network
- Sidewalks on every street in the city
- Connections from residential neighborhoods to popular destinations
- Something more substantial than Sharrows
- Complete and accessible paths
- Support along the network to cater to the users (once the network is well-establish) – pump stations, showers, lockers, bike maintenance
- Spending tax dollars to show a preference for selftransportation over motors
- Shared and exclusive facilities
- A complete multi-use path network that connects all major residential areas to schools serving those areas
- Bike/ped facilities to allow transit to all points of the city
- The Northend Greenway that connects with the JMU trail
- All sections of the city limits
- Goals: i.e. increase trips taken by bike by x%, increase kids walking/biking to school by x%



- Out of the box ideas: Encourages creative and can-do process like those of Portland, Madison, Missoula, etc.
- Follow through on laws/policies
- Clear sidewalks
- Following rules of the road (all parties)
- Educational campaign everyone knows their rights and expectations, not just those who walk or bike
- Multiple connections to and through downtown, particularly the Greenway
- Interconnectivity to JMU and the outlying region
- A sidewalk plan (i.e. a schedule to add them, independent of or at least in concert with the paving schedule
- A plan to connect to other major destinations
- Efforts to reduce JMU student car traffic (to make streets safer for everyone)
- Safe connections between people (homes) and places
- Continued focus on making schools priority hubs for installing bike-ped infrastructure

#### A good bike and pedestrian network in the City of Harrisonburg looks like:

- Freedom!
- Has shade trees
- A part of the topography, landscape, road layout
- Inviting (landscaping)
- A linear park
- A wheel with the center being downtown
- And reflects the beauty all around us
- Comfortable, clean, inviting
- A connected system that caters to the needs of the users around (i.e., paths leading to university in student/faculty/staff concentrated communities)
- Separation of bike/ped clearly from traffic
- An enhancement to community value as an amenity
- Wide (about 8 ft.) dedicated bike lanes
- Connecting trails separate from traffic leading to downtown and other shopping areas



#### A good bike and pedestrian network in the City of Harrisonburg allows:

- Mobility beyond car ownership
- Safe movement across the city to various destinations (shopping, restaurants, library)
- Foot traffic to local businesses
- Safe movement to schools
- Access to children
- Safe riding
- Sharing by bikers and walkers (wide enough)
- Residents to safely reach parks and playgrounds
- People to get to any park by bike on a safe/comfortable route
- Me to bike and walk comfortably to most of the places I go



- Me to visit with and see my neighbors more often
- Travel by bike safely around town with my family
- Me to ride with my children to school or ride to work or to the store without traveling on a road with a speed limit greater than 25 mph
- Children to ride and walk safely to school
- Everyone to connect to neighborhoods, downtown, parks, schools, businesses in a safe and enjoyable way
- Connections between residential neighborhoods with downtown, restaurants, shopping destinations
- Provides a safe and convenient route regardless of the starting point and destination
- Safely connects nodes (clusters of people and important places)
- Me to use my bike to get across town safely
- City and interstate crossing with minimal interaction with cars
- Me to get to home and work safely and smoothly
- Safety riding between any two points in the city
- Moving across/through the city on mode of people's choice
- Making bus connections in concert with bike-ped infrastructure
- Going from mode to mode seamlessly (bus, car, walk, skate, bike)
- Biking without fearing traffic
- Connects people with places they want to go (parks, schools, employment, groceries, churches)

#### A good bike and pedestrian network in the City of Harrisonburg is:

- Supportive of cyclists commuting to/from work
- Connections between multiple modes of transportation and connects housing to shopping
- Supportive of cyclists shopping

• Prioritized in an effective manner to maximize the benefit of the project and the funding

opportunity

- A primary way to increase the quality of civic-life getting people interacting with each other
- Innovative and progressive
- A comprehensive transportation network
- Fun and healthy
- A way to connect neighborhoods and build community
- Safe in order to encourage everyone to use is
- Complete streets with cars, busses, bikes, feet and wheelchairs and strollers
- Safe, enjoyable and convenient
- Safe for all users
- Safe and separated from busy roadways
- Safe and comfortable to use by kids
- Accessible to all neighborhoods and to people of all abilities
- So safe and beautiful people choose to walk and ride a bike rather than drive a car
- Inclusive of all city neighborhoods and provides everyone the opportunity to walk and bike
- Long overdue
- Makes infrastructure happen sooner
- Fully implemented within 10 years
- Developed in a more quick time frame (2-5 years 50% installed)
- Accessible to all citizens who wish to use it
- Accessible from most major neighborhoods in the city
- Accessible to all members of the community (even those who aren't able to advocate for themselves)
- Has bikes easily accessible to those without one
- Safe for all levels of riders, not just the fit and fearless
- Has all ages on bicycles



## The plan itself is:

- Short and concise
- Is simple and easy to understand

## Prioritizing key "visions" of a Bike Ped Plan

After dot voting on the most critical aspects of a plan, the following emerged as vital:

- Timely implementation
- Accessible to all users
- Enables connectivity
- Promotes Safety
- Oriented to kids being able to bike and walk to school safely





#### **QUADRANT DISCUSSIONS**

During this session, tables were set up with maps and flip charts for each of the four quadrants in the City – northwest, northeast, southwest, and southeast. Participants were asked to break out into different groups and were allowed to move freely between tables. One facilitator was stationed at table, taking notes of the group discussions. Participants were also encouraged to draw their ideas on the maps.

#### Sample prompts:

- "In order for people in this area of the city to walk and bike more often, safely, and efficiently for leisure and transit, this area needs . . . " (consider both built/engineering needs as well as awareness/education needs)
- "Where, in the vicinity of this area, do bike/pedestrian/transit bus infrastructures come together or could potentially come together? How do we improve facilities and eliminate gaps at these points? (e.g. pedestrian crossings, bus stops, shared sidewalk space, etc...)"
- "How might this area connect with areas being reviewed by other groups? How do we improve connectivity and eliminate gaps at these points between other sections of the City?"

Facilitators asked groups recommend priorities for the needs identified: 1<sup>st</sup>, 2<sup>nd</sup>, or 3<sup>rd</sup> level priority (1<sup>st</sup> priority is the highest priority).

*Italicized items* were drawn by participants on map, but were not captured on flip charts. Category of need recommendations were not made.

## **Northeast Quadrant**

Recommended Priority	Need Statement	Bike/Ped		
An overarching theme of the discussion of needs in this group was access to schools and other destinations from nearby neighborhoods, particularly for those who walk and bike by necessity rather than by choice.				
	A plan that addresses everyone's needs, focusing on those			
1	who may not be bikers/pedestrians by choice.	Both		
1	Seeing the connection between these populations and schools, and therefore prioritizing access and safety at these (potential) hubs	Both		
2	The provision of continuous paths/lanes that do not force people to jump streets	Both		
	Connect Mt. Clinton Pike via Vine St to Smithland Soccer Complex, sidewalks/bike lanes or shared use path?	Both		
	Sidewalks on Vine Street from N Main St to E Market St	Ped		
	Sidewalks and traffic calming on Blue Ridge Dr; it's a good alternative to Vine St.	Both		
	Sidewalks and shared use path on Country Club Rd to connect residents to schools and businesses	Both		
	Many gaps along Route 33 between Carlton St to Linda Ln (over interstate)/ High demand area, but lacks bike and ped infrastructure	Both		
	Crossing at Reservoir St and Sterling St is unsafe	Both		
	Northeast Neighborhood experiences high speeds, drivers not stopping at stop signs	Both		
	Main St intersections downtown, drivers turn right without looking	Ped		
	Extend Linda Ln shared use path along Smithland Rd from Smithland Soccer Complex to existing sidewalk on Old Furnace Rd near Oriole Ln	Both		
	Sidewalks on Old Furnace Rd on either side of Blue Ridge Dr to connect to existing sidewalk	Ped		
	Sidewalks on Blue Ridge Dr	Ped		
	Sidewalks and crossing(s) on Reservoir St from E Market St to Evelyn Byrd Ave	Ped		
	Pedestrian lights on traffic signals downtown	Ped		

### Safety

- Safety was tied to the ideas of accessibility and efficiency throughout different conversations
- o Sidewalks and continuous lanes are seen as ways to ensure safety
- o Schools offer the ability to provide good points to plan around

- o Paths provided should be multiuse, have good lighting, and offer a speedy way to travel.
- o Education should be provided for everyone (i.e. bikers *and* pedestrians)

#### Current Barriers

- Lack of connection points (both to other areas, and the need to jump across roads, etc)
- A lack of continuous paths/lanes
- A lack of lighting
- Narrow sidewalks
- o Country Club Rd
- o Vine St

## Opportunities

- o More reliable transit in the NE quadrant
- o Utilizing police who are in communities to identify needs/points of connection
- o The ability to connect neighborhoods with JMU and EMU

#### **Northwest Quadrant**

Recommended Priority	Need Statement	Bike/Ped			
An overarching theme of the discussion of needs in this group was about connecting schools and					
NA sus sistematile	neighborhoods and making biking and walking safe and compelling.				
More sidewalk	s are a key concern in some of the residential neighborhoods to enabl safely.	e this to happen			
1	Sidewalk and handicapped access from 33 to Thomas Harrison MS	Ped			
	Bike/ped improvements on Waterman Dr between Chicago				
1	Avenue and W Market St, bike access to Thomas Harris MS	Both			
1	Prioritize Chicago Ave as a key connector	Both			
1	Sidewalks west of Waterman ES (Particularly W Gay St west of N Willow St)	Ped			
2	Sidewalks on Lee Ave, Stuart St, and residential area to the north	Ped			
2	Pedestrian marking from west to Waterman Dr				
2	Bike/ped improvements on Greystone St	Both			
2	Traffic calming on streets near EMU for safety	Both			
2	N Main St & Gay St intersection – establish crosswalk on final	Ped			
	corner (3 of 4 exist)	reu			
2	East-west crosswalk(s) on Virginia Ave north of Third St for Safety (Perhaps at Collicello North development)	Both			
2	Bike lanes on N Main St from Washington St to north	Bike			
3	Include parking area at future trailhead of Northend Greenway	Both			
	Sidewalks and bike lanes or shared use path on Mt. Clinton Pike (connect to Smithland Soccer Complex)	Both			
	Connect Woodleigh Ct to Mt. Clinton Pike with official path	Both			
	Bike and pedestrian facilities on Mt. Clinton Pike west of Chicago	Both			
	Ave	Dotte			
	Crossings and bike lane or path on Route 42 from Mt. Clinton Pike to north city limits needs	Both			
	Northend Greenway between Chicago Ave to Downtown	Both			
	Bike Lanes on E/W Gay St to connect east-west	Bike			

Observations about linking North West quadrant into the broader city system:

- Talk with various landowners where unofficial paths are in use to make them official paths that offer shorter, more direct routes.
- Mt. Clinton Pike offers connection possibilities to the east quadrant for both bike and ped.
- Virginia Ave becomes an important connection to the north to the county and to the south to downtown and the southeast and southwest quadrants.

# **Southeast Quadrant**

Recommended Priority	Need Statement	Bike/Ped			
An overarching theme of the discussion of needs in this group was a desire for connectivity. This included connectivity throughout the city, as well as routes connecting neighborhoods to schools and playgrounds.					
1	Traffic lights and crossing guards to eliminate buses around Spotswood ES, especially at Reservoir St	Both			
1	In-street pedestrian signage on Mason St and Water St	Ped			
1	Educate Stone Gate and Sun Chase property managers about encouraging residents to use the flashing lights at the crosswalk on Neff Ave	Ped			
2	Establish bike lanes on Port Republic Rd on the bridge crossing I-81.	Bike			
2	Eliminate parking on one side of Devon Ln	Bike			
2	Establish a long, continuous, accessible trail, potentially by extending the Bluestone Trail into the county, following Black's Run and Cook's Creek and on the west side of I-81 south of Erickson Ave following Route 11.	Both			
2	Connect A Dream Come True park to surrounding neighborhoods by a separated trail	Both			
2	Connect JMU to Downtown to the Northend Greenway via Federal St or Black's Run	Both			
3	More routes connecting residential areas to shopping on E Market St	Both			
3	Connect the new Hotel and Conference Center to Downtown via a separated path.	Both			
3	Shared use path through Ramblewood Park (Connect Bluestone Trail to Greendale Rd).	Both			
3	Designated parking for trailheads along Bluestone Trail and future Northend Greenway	Both			
	Unsafe and uncomfortable for bikes and peds across Port Republic Rd between Forest Hill Rd and Bluestone Dr	Both			
	Sidewalks and crossing points on Reservoir St between MLK Jr. Way and Evelyn Byrd Ave	Ped			
	Crossing points on Reservoir St between Myers Ave and Carlton St for safer access to Spotswood ES	Both			
	Sidewalks on MLK Jr Way from Mountain View Dr towards Ott St	Ped			
	Make Federal St a bike/ped route	Both			
	Extend MLK Jr Way to connect to Country Club Rd for eastwest connector	Both			
	Bike lanes on MLK Way and Reservoir St (between Neff Ave and E Market St)	Bike			
	Encourage connectivity between Devon Ln to Hunters Rd/ Bradley Dr	Both			

Connect Bluestone Trail to south city limits following Blacks	Both
Run, and connect with major industrial employers	
Spur Bluestone Trail along west side of I-81 from Ramblewood	Both
Park to Pleasant Valley Rd with connections to roads along S	
Main St	

# **Southwest Quadrant**

Recommended Priority	Need Statement	Bike/Ped				
An overarchin	ng theme of the discussion of needs in this group was an interest i	n reframing				
	problem-solving from emphasizing how to adapt existing roads designed for cars into shared					
systems to emphasizing opportunities to create path systems separate from car roads.						
	Both bicycle and pedestrian accessibility to Harrisonburg HS					
	and to-be-built elementary school near there from					
1	neighborhoods via Hillandale Park and other non-road routes.	Both				
	Emphasis is put on having a pathway that is NOT shared with					
	cars.					
	Create separate facility or bike lanes on 33W to Harrisonburg					
1	HS. This will fill in a gap that currently exists regarding bike	Bike				
	options to and from the school.					
2	Create non-road access to Thomas Harrison MS from	Both				
	Westover Park and connect to W Market St					
	Safe pedestrian crossing options at the intersections of S High					
2	St and S Main St & Erickson Ave, especially S High St &	Ped				
	Erickson Ave from SE corner to NE corner					
2	Install sidewalk from SE corner of S High St & Erickson Ave to	Ped				
	the nearby Food Lion on S High St					
	Permanent traffic calming solutions on S Dogwood Dr. (Turn					
2	stop sign on Ohio Ave to be stopping traffic on S Dogwood Dr?	Both				
	Small roundabouts in intersections?)					
	Better signage in Hillandale Park regarding what paths are					
2	ped-only and what paths are shared bike/ped i.e. gravel path	Both				
	from South Ave into park					
	Addressing natural tendency for bike/ped to cross S High St at	5.4				
2	Emery St en route to Hillandale Park and shops. Either create	Both				
	safe crossing option or better enforce no crossing at that point	5.1				
2	Create bike lane on Maryland Ave from S Main St to S High St	Bike				
2	Address congestion that forms on Maryland Ave when Keister	Both				
	ES lets out from the school day					
2	Complete bike lane on S High St to Garbers Crossing Shopping	Bike				
	Center					
1	Create a safer crossing across S High St at W Bruce St and W					
	Water St. Like Emery St, these are places where both bikes					
2	and peds cross because it is a natural path/short path	Both				
	between two points. W Market St from S High St to S Liberty					
	St is likely not used as it has more cars, on a steep hill, and is					
	narrow.					
3	Clockwise bus route going west on Erickson Ave stops for Wal-	Ded				
3	Mart on Erickson Ave – this bus stop needs a safer crossing for	Ped				
	pedestrians  Mara bika (ned support at intersection for left turns at MLK Ir.	Do+h				
	More bike/ped support at intersection for left turns at MLK Jr	Both				
	Way and S Main St					

Create rails-with-trails next to rail line	Both
Complete SE Connector/ Erickson Ave improvements between S	Both
High St and Garbers Church Rd	
Sidewalks along W Mosby Rd from S Main St to west	Ped
Safe crossings on S Main St at W Kaylor Park, Baxter Dr, and	Both
Pointe Dr for residents to connect to opposite sides and to	
future Bluestone Trail	
Improve sidewalk on W Market St for bike safety between	Bike
Dogwood Dr and Westover Park entrance	
Sidewalks on S Dogwood Dr	Ped

Observations about linking South West quadrant into the broader city system:

- While not city-specific, attention needs to be paid to how the city blurs the lines with the county to enable safer transitions for road cyclists, particularly heading west on Erickson Ave and heading south on 42.
- There is a strong interest in linking this quadrant to the Bluestone Trail safely across 11 so that neighborhoods between 11 and 42 have safe access. The most likely prospect for this seems to be at Kaylor Park Dr and as far from the I-81 interchange as possible.
- Participants wanted to 'see' this quadrant as an area where the nodes are schools, neighborhoods, and parks and the lines linking them are the bike/ped infrastructure. The infrastructure should be dedicated vs. adapted to existing car systems.
- Because schools are a node in the system, new schools should be designed with entry points for
  potential dedicated bike/ped paths so that they do not have to be retrofitted after the fact.
  Case in point is the fact that there is poor bike/ped access to Thomas Harrison MS from W
  Market St. School design includes adequate, covered bike parking near a logical entrance.
  Because this involves funding decisions, too, it is recommended that a school system
  representative at the appropriate decision-making level be involved in Bike/Ped Committee
  work.

#### **Overall System-Wide Plan Comments**

Offer amenities at bus stops (shelter, safety, etc.)

Working with school board to be a part of the conversation about alternative modes of transportation to school

Connecting quadrants – may need to rely more on greenways to make these connections

Have Greenway Master Plan as a sub-plan of the Bicycle & Pedestrian plan

Identify more unofficial paths-in-use

Solidify the "last mile" cross-mode connections

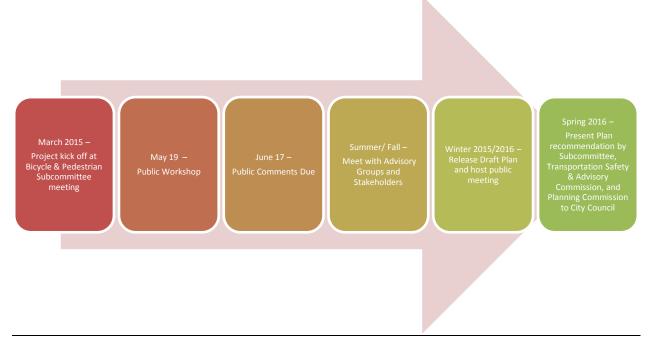
Focus on maps and wayfinding

Strengthen confidence that all users are educated on rights, responsibilities, safety Use amenities/optional fee-for-service in high traffic areas to foster economic sustainability (Bike pumps, repair, vending machines, etc.)

#### **WRAP UP**

The recommendations collected at this Workshop will be reviewed by city staff and the Bicycle & Pedestrian Subcommittee, and will be used to inform meetings with advisory groups and stakeholders.

Below is the schedule for moving forward.



For updates, visit: http://www.harrisonburgva.gov/bicycle-pedestrian-plan

# **Appendix C:**

**Focus Group Summaries** 



1	Bicycle & Pedestrian Plan Focus Group One: Safe Routes to School, Youth & Famili	ies
2	Tuesday, October 6, 2015, 4:30pm-6pm	
3	Meeting Summary	
4	Focus Group Participants:	
5		
6	Any Aviles, Parent	
7	Becky Johnston, Sentara RMH Safe Routes to School Coordinator	
8	Teresa Hulleman, Parent	
9	Craig Mackail, Harrisonburg City Public Schools	
10	Ben Sandel, Parent	
11	Adam Shank, Harrisonburg City Public Schools – Smithland ES	
12	Stefanie Warlick, Parent	
13		
14	City Department Participants:	
15		
16	Ian Bennett, Harrisonburg Fire Department	
17	Aaron Dove, Harrisonburg Police Department	
18	Adam Fletcher, Planning & Community Development Department	
19	Matt Little, Parks & Recreation Department	
20	Brad Reed, Public Works Department	
21	Tom Hartman, Public Works Department	
22	Jim Baker, Public Works Department	
23	Chris Rush, Harrisonburg Police Department	
24 25	James Winniger, Harrisonburg Department of Public Transportation	
26	Other Participants:	
27	<u> </u>	
28	Moderator: Thanh Dang, Public Works Department	
29	Notetaker: Zach Nagourney, Public Works Department	
30	Interpreter: Silvia Beitzel	
31	At this meeting, participants were told that their comments would be anonymous.	
32	1) Thanh welcomed the group, described the purpose, and guidelines for this meeting.	
33	2) Industry 4:	
34	2) Introductions	4
35	a) Participant 1 – Lives on E. Wolfe Street, children bike & walk to school, son attends	out
36	of district school at Waterman ES.  b) Portionant 2. Works with Hamisonhung City Public Schools, lives non Thomas	
37	b) Participant 2 – Works with Harrisonburg City Public Schools, lives near Thomas	
38	Harrison Middle School and sees kids walking and biking to school every day.	
39	c) Participant 3 – Lives near Stuart St. Has 3 kids that ride bikes to school	1
40	d) Participant 4 – Works with Sentara RMH and promotes active lifestyles to youth around the community working with schools	ınd
41	the community working with schools.	7.
42	e) Participant 5 – Has 5 kids, the younger children bike or walk. High school student car	11

bike but would like to.

- f) Participant 6 Works with Smithland ES Spanish speaking families and would like to see more access for those families.
  - g) Participant 7 Has 3 kids and lives in Spotswood Mobile Home Park off Country Club Rd, a busy street with dangerous biking and walking conditions.

- 3) Question #1: What influences your decision to walk, bike, take the bus, or drive?
  - a) Biking and walking is good to promote a healthy lifestyle.
  - b) Biking and walking is easy in neighborhoods surrounding and areas within the small downtown area. Kids could bike to library downtown. But now kids are getting older and they want to go to places farther away (Barnes & Noble, etc.) and now they must drive because they aren't comfortable allowing kids to bike that far away and on roads in that area
  - c) Finding the "path of least resistance" and planning ahead is a big influence.
    - i) Example is their family planned a safe route to bike from home the Montessori on Port Republic Rd. from downtown area.
  - d) Has a large family and having the kids bike to school helps organize the schedule and frees up more of her time, and her decisions to allow her kids to bike is based on safe and accessible routes.
    - i) Kids would be able to bike/ walk to afterschool activities on their own.
    - ii) Older kids bike less now because the high school is far away and there isn't an accessible & safe route.
    - iii) Would like to see widening of Erikson Ave between Route 42 to Garbers Church Road to include bike lanes so kids can bike safer to school.
      - (1) Brad and Tom mentioned there is a plan for that project and meetings like this will help bring funding to make that project possible.
  - e) Parents often walk from trailer park on Country Club to Smithland ES because they can't afford transportation (a car) but there aren't sidewalks.
    - i) Thanh Are there school buses available?
      - (1) For kids, yes. But only to and from school during regular hours. Parents must walk to attend afterschool meetings, pick their kids up, etc.
  - f) There is no transportation given to afterschool programs therefore families must provide their own transportation.
    - i) Some students take transit because they don't have transportation available.
  - g) Providing easy routes is a difficult task for some schools like Skyline MS & Smithland ES.
  - h) Will there be infrastructure built into new elementary school's plans?
    - (1) It all depends on funding, but there are plans for safe infrastructure on the school property, new shared use path along Garbers Church Road in front of the school.
    - (2) Craig and Tom added that conversations between the Harrisonburg Schools and City are happening to help get funding to build safe infrastructure, which may be a new shared use path to connect Hillandale Park to Garbers Church Road.

- 4) Question 2: What can be done in addition to infrastructure?
  - a) "Thank you to the city" for new infrastructure added over the years, feels great about existing infrastructure but there needs to be more enforcement around school areas because enforcement in these areas made the areas feel safer.

- i) Aaron On Route 33, school zone was just added for Thomas Harrison Middle School.
  - ii) Brad Explained how the process of adding a school zone works.
  - b) Would like to see all behaviors change.

- i) Example Madison, WI had an educational program to share rules of the road to all users bikers, walkers, and drivers.
- c) Distracted drivers and those cutting corners make bikers and walkers feel less safe.
- d) Feeling unsafe crossing at intersections might be a right of way problem.
- e) Drivers not stopping for school bus stop signs.
- f) A need for a period of enforcement. A period of warnings by police would be a good start.
- g) City schools are able to add enforcement in certain areas due to a grant received but funding was reduced this year. Thinks it is very helpful to have enforcement in those areas.
  - i) Chris Statistics are staggering with distracted driving, but there aren't enough officers to enforce every school zone. Routes to and from schools are priorities but finding enough time and people is difficult.
- h) Smithland ES faculty doesn't feel comfortable telling students to bike or walk to school due to safety.
  - i) 15 minute walk from Country Club to Smithland ES.
- 5) Question 3: There have been a number of community events that encourage walking and biking, as well as, educate people on how to walk, bike, and drive safely. What programs have you enjoyed? What programs do you wish to see more of?
  - a) Great job at Keister ES and Thomas Harrison MS with the walk and bike to school days. Those days really help spread the word about biking and walking. Those schools have safe routes.
  - b) Parks & Rec bike classes really help but are difficult to attend due to scheduling.
  - c) Bike to ice cream was a great idea.
  - d) Bike Month A lot of the same people but when new people start to participate it is fantastic and adds to the bike-friendly nature of Harrisonburg.
  - e) Schools having bikes for students to use is also important.
    - i) Example: middle school gym class went to Hillandale Park and rode the trails, it got students more interested in biking.
  - f) Neighborhood is disjointed around Sterling St & Route 33, not sure if there is a program to get families to walk to school together.
    - i) Had trouble finding access to parents to get "walking school buses" started. There have only been little pockets of interest shown by parents but they are now looking for school staff volunteers to help. University Place Apartments is only a 5 minute walk to school, but nobody was walking until walking group was organized.
      - (1) 15 kids waiting for bus when they could've already been at school.
    - ii) No good place to cross Route 33 at Sterling & Reservoir.
      - (1) Brad Is it uncomfortable to cross at Sterling?
        - (a) For bikes, yes. Light doesn't change for bikers.
        - (b) Brad should contact Public Works when lights not detecting bikers. Brad explained where a bicyclist should line up behind the stop bar in the middle of

the lane to be seen by the camera. Detection cameras are at all lights in the 136 city, except in the downtown core. 137 (c) Also no sidewalk on Sterling St, and ends on the east side on Reservoir St 138 makes for an awkward transition. Will many times walk through cemetery. 139 g) Thanh – What kinds of programs should Parks & Rec look for? 140 Matt – We could add more education classes on bike/ped safety and/or pass a 141 pamphlet out to citizens. Information could be added to the Activity Guide. 142 (1) An extension of ideas we've had tonight in order to reach a broader audience. 143 (2) Can inform electronically through Bike Coalition. 144 145 146 6) Question 4: If you were given a list of new bike/ped projects and programs needed in the City, how would you prioritize which projects should be funded first? How would you decide 147 what is the most important? What considerations would you make? 148 a) Areas around Smithland ES and Skyline MS are important – they don't have any 149 infrastructure. 150 b) Prioritize based on high impact, lack of infrastructure. 151 i) Some areas with sidewalks still need improvements to be safer and more comfortable, 152 but areas with no infrastructure higher priority. 153 c) Projects that get kids off the road, is we have the ability to build multi-use paths we 154 should build them. More cost-effective & better for the environment. 155 i) In Cupertino, CA a kid was struck and killed by a truck while riding bike on road and 156 everyone became a little more nervous and scared to ride on the road. It only takes 157 one incident. 158 d) Paths between parks and schools are high priority because it eliminates danger by taking 159 off road routes. 160 i) Example: Cale Trail 161 e) Sharrows help motorists become more aware of bicyclists. 162 f) Brad – Do you feel comfortable letting kids ride on skinnier sidewalks? 163 i) Wider sidewalks are needed on busier roads 164 ii) Skinnier sidewalk if buffer area between road and sidewalk is included. 165 g) Brad – Do you think it's better to ride on the sidewalk or road? 166 i) Safer biking on roads even if there was a sidewalk down all of Central Avenue. 167 Drivers are looking at the road. 168 ii) Brad stated bikers are within drivers' "cone of vision". 169 iii) Safety of riding bike on a road or sidewalk depends on the street, commercial vs. 170 residential, number of entrances, speeds of vehicles, etc. 171 172 7) Question 5: Is there anything missed? 173 a) On foggy days, some kids are very hard to see and we need to get students to wear more 174 reflective clothing. 175 b) How do we do that? 176 i) Offer more strobe lights 177 ii) PTA buys armbands to pass out 178

iii) At Thomas Harrison ES, kids were spot checked for lights and then given lights if

iv) Kids now wear helmets

they didn't have one. Kids won't wear vests.

179 180

- v) Lights are a priority, given to citizens by fire and police departments in the past. From 182 grant funding. 183 c) Keep putting in energy and continue to build upon what we're doing. New kids and 184 185 families every year. d) Adam – The Bike/Ped Plan is ahead of the Comprehensive Plan, please come and 186 participate in Comprehensive Plan meetings beginning next year. Comprehensive Plan is 187 about street network, zoning, land use, and more. 188 i) Thanh – how comfortable a street feels to walk or bike on is influenced by other 189 elements of the surrounding environment that are addressed in the Comprehensive 190 Plan. 191 192 193
  - 8) Closing Remarks see attached.

1 2	Bicycle & Pedestrian Plan Focus Group Two: Transportation Disadvantaged, Traditionally – Underrepresented
3	Tuesday, October 13, 2015, 3:30pm-5pm
4	Meeting Summary
5	Focus Group Participants:
6 7 8 9 10	<ul> <li>Beth Bland, Valley Program for Aging Services</li> <li>Sarah Coleman, Church World Service Harrisonburg/ Refugee Resettlement Office</li> <li>Gayl Brunk, Valley Associates for Independent Living</li> <li>John Malone, Community Service Board</li> <li>Daniel Anderson, client of Community Services Board, member of Summit House</li> </ul>
11	City Department Participants:
12 13 14 15 16 17	<ul> <li>Adam Fletcher, Planning &amp; Community Development Department</li> <li>Matt Little, Parks &amp; Recreation Department</li> <li>Brad Reed, Public Works Department</li> <li>Tom Hartman, Public Works Department</li> <li>Jim Baker, Public Works Department</li> <li>Avery Daugherty, Harrisonburg Department of Public Transportation</li> </ul>
18	Other Participants:
19 20 21	<ul> <li>Moderator: Thanh Dang, Public Works Department</li> <li>Notetaker: Zach Nagourney, Public Works Department</li> </ul>
22 23 24	Note: During the meeting the group was informed that statements placed into the meeting summary would be anonymous. However, Thanh Dang contacted participates afterwards and received approval to include identifying information in this summary.
25	1) Thanh welcomed the group, described the purpose, and guidelines for this meeting.
26 27 28 29	2) Thanh said that this focus group has been invited to discuss the needs and wants of people who are transportation-disadvantaged. Who have challenges getting around independently around the city and may need to rely on walking, biking, or transit.
30	Thanh introduced City department representatives.
31 32 33 34 35	<ul> <li>3) Participants introduced themselves.</li> <li>a) Beth Bland, Valley Program for Aging Services, provide services for adults 60 years and older</li> <li>b) Sarah Coleman, Church World Service Harrisonburg/ Refugee Resettlement Program, serves refugees new to the area</li> </ul>

- c) Gayl Brunk, Valley Associates for Independent Living, serves all planning district 6, and work with individuals with disabilities physical, sensory, cognitive, intellectual, any disability, any age.
  - d) John Malone, Community Service Board, works with adults and children with behavioral, health, substance abuse, and developmental disabilities.
  - e) Daniel Anderson, client of Community Services Board, VAIL, has a disability.

42
43 4) Thanh – In a typical week, what services do you and/or your clients need to get to and how

- do they get there?

  a) John most services are at the center, clients coming from county and city to center and
  - traveling around to doctors, social services, family, friends, etc.

    b) Gayl Workswith folks with disabilities in the community, going from their homes to
  - b) Gayl Workswith folks with disabilities in the community, going from their homes to wherever they need to go. Some need to get out to the County, or live in the County and need to get to the City. Sometimes they are going to UVA for medical services but mostly around the community.
  - c) Sarah Many people going to social services, social security, etc. which are all located downtown. Also going to English classes. Career Development Academy in Memorial Hall, RMH, S. Main, and Harrisonburg Community Health Center. Many work outside of the city and getting there is a challenge.
    - i) Thanh How are they getting there now?
  - (1) Sarah Carpool.
    d) Beth Echoes previous comments. Her agency does provide some transportation to and from senior center. People going to supermarket, doctor's appointments, etc. very much like everyone else. Just recently started a limited transportation program within the city
    - for 60+ year olds or with some sort of disability. Price Rotary Center Senior Center at Westover Park.
  - e) Daniel
    - i) Uses Harrisonburg transit but has a tough time working around JMU's bus schedule to get to and from work. May have a job that goes to 8-9 at night at Wal-mart, taking a cab is too expensive for someone on a budget with supplementary income. Need to have transportation beyond JMU schedule to go later year around, like when JMU is out of session. Bus fare is 50 cents, and maybe people would be willing to pay more.
    - ii) City traffic is more of an issue he has now. Bought a Moped and uses it to commute even though he's been hit by reckless drivers 3 times and feels unsafe on higher speed roads because people barrel past him. He has spoken with police department.
    - iii) Difficult for some people with disabilities to get from bus stop to Summit House. Could the city transit add a new bus stop beside Summit House entrance?
- 5) Thanh Asked the whole group, is the JMU schedule an issue?
  - a) Sarah The buses stopping as early as they do is a problem for our clients who need to get around later in the evening and they can't get home after it's over. And the working around the summer schedule is difficult. Would like to see a more consistent bus schedule.
  - b) John Agrees with Sarah
  - c) Gayl They can't go to the movies on the weekends.

- 6) Thanh Are there any areas in the city where your services aren't accessible from a bus stop?
  - a) John The bus stop across from CSB, no pedestrian crossing. CSB on west side, bus stop on east side. Pedestrians could go down to stop light and cross but they choose not to. There isn't a bus shelter but had asked a couple of years ago for one, a lot of clients wait there for a while.
    - i) Adam Have there been any specific complaints about there being no sidewalks on N. Main?
      - (1) John Nobody has come to me but I'm sure people complain because it is a pedestrian thruway. Frightening is when people use mobility devices on Main St. We get a lot of traffic from CSB to apartments down Main Street. They typically just walk in the street. Does the city need a certain number of names/ comments to make improvements?
      - (2) Adam not necessarily.
- 7) Thanh Do you have suggestions to improve our outreach?
  - a) Sarah For out folks, it's tough to read the bus schedule. Teaches people to ride the bus because she teaches English classes and wants to help her students get there. She shows them to look at the map to see where the stops are, then shows them to find the bus number and look at the schedule. She uses google maps to figures out the routes, but not everyone has access to the internet. It is difficult to read the paper map especially for people who are still learning English.
  - b) Beth People have trouble understanding and comprehending the schedule, getting to and from the bus, needing assistance with carrying packages and groceries, and organizing their day to match the bus schedule because it drops them off, then they have to wait a long time for it to come back.
    - i) Sarah Heard this complaint too. Leaving for English class 2 hours before the class then waiting 45 minutes after class to take the bus home. Takes up half their day waiting for the bus.
  - c) Gayl Would like to see Harrisonburg Transit come out with their own app for smart phones. Particularly as a service provider it would help her share information.
    - i) Thanh How many folks have smart phones?
      - (1) Gayl Everyone has smart phones. There are programs you can get them for free.
      - (2) Sarah agreed with Gayl that everyone has smart phones.
      - (3) Daniel QR code reader isn't great and doesn't work properly.
      - (4) Sarah NextBus doesn't really do much good because figuring out the route they need is more important than when the next bus is arriving.
      - (5) Beth Very few of her clients have smart phones.
- 8) Thanh What influences decisions to walk or bike for those who are able to do so?
  - a) Gayl –

- i) Path of Travel.
- ii) Commends Public Works for making the city more accessible. Been at VAIL for 16 years and has seen a lot of improvement with wider sidewalks and ramps, especially with the downtown streetscape.

- iii) Knows a man in a wheelchair who got cited as a motorized vehicle because he got hit in the street. Case got dropped because the state code was clearly meant to for mopeds. He was traveling on a street without sidewalks.
- iv) She worked to get sidewalks into the City's Design & Construction Standards Manual. She fought to get sidewalks in the area but there are still some places that need improvements.
- v) There are even in places without accessible parking.
- b) Sarah Clients do tend to walk unless they have children or bigger families. Children can't keep up as well. Biking depends on culture, how biking is perceived in their native culture. Sometimes they bike a lot, sometimes biking was for kids.
- c) Beth Majority of people she works with can't walk or bike.
- d) John Many clients can afford vehicles and upkeep so many people do walk.
- e) Sarah For some its affordability. Many of clients don't know English and can't get their licenses so they are forced to walk, bike, take the bus, or beg for a ride.
- f) Daniel -

- i) Got a job coach to help get a job and difficult to find employment that fit the bus schedule. Got a job that threw in \$500 to buy a Moped to get to work. Hard to find the extra time to take the bus. Tough to find a cab from the east side of town to the north side of town.
- ii) Has noticed down at Vine, southbound to N. Main, there is not a lot of room to get down there and thinks there should be a crosswalk there to get across safely. Not enough sidewalk downtown. Roads need to be redone by police department down to Blue Ridge Florist because the road is bumpy.
- iii) Left on Wolfe Street, road is messed up there. Reservoir Street, going toward E. Market there isn't enough lighting especially past the cemetery. How serious does something have to be to get a speed bump?
  - (1) Thanh Talk to Brad after the meeting about Traffic Calming.
- g) Sarah –Some of her staff mentioned crosswalks to shopping areas, were it was not set up for people walking, was set up with drivers in mind, people crossing busy streets. Specifically around University Boulevard & Reservoir Street around Wal-mart. Will find more specific locations to send to us later.
- 9) Thanh Suggestions to improve our outreach or how you can be conduits to get information to other people?
  - a) Daniel crosswalk near parking deck on N. Mason St., almost hit multiple times. Needs to be fixed. He'll make a list of places.
    - i) Thanh How would you suggest friends or family get in contact with the city?
      - (1) Daniel Put out a petition, he like being hands-on and helps out.
      - (2) Gayl There were focus groups in the past where Jim Baker and Drew Williams had attended. But now clients call her and then she calls the city. Could to have more targeted meetings maybe once a year because people appreciate those.
      - (3) Beth Maybe we could bring all organizations that are offering transportation to see where there is duplication, opportunities to enhance programs. To possibly pull in Rockingham County's transportation program. And other ways to collaborate and expand.

- (4) Gayl We used to do that; bringing in area transportation providers come to share. We might be primed for a new opportunity with more conversations happening. Agrees with Beth's idea of bringing groups together and to see where there was overlap and opportunities.
- (5) Daniel Saw cement trucks racing on Erickson Avenue while he was on his scooter and felt unsafe. Will the sidewalks on Erickson be finished?
  - (a) Tom the next phase will be finishing sidewalks through Garbers Church Road.
- 10) Thanh Are they any other ideas for encouragement programs or education?

- a) John Gather or distribute information at sites where there are many pedestrians and give them contact information. A lot of people walk to his agency.
- b) Gayl Has there been any thought for the individual that doesn't have Medicaid, has lower income, with no car, and needs to get to UVA?
  - i) Brad There has been talks within Planning District Commission for transportation between JMU and UVA. Doesn't know much more.
  - ii) Avery Went to a focus group meeting where there were talks of transporting to and from UVA, trying to come up with idea of participants, but it is something that hasn't really been developed yet.
  - iii) Daniel Expressed a complaint about a cab company.
    - (1) Gayl There is a complaint process for Logistic Care and she'll get that information to Daniel.
- 11) Thanh The City receives a lot of input on where projects are needed. If you were given a list of projects, how would you prioritize projects?
  - a) Sarah Prioritize bus schedule, expand the bus schedules, or add more buses. We would like more sidewalks, but my clients use the bus a lot.
  - b) Daniel Is there any law against talking on the phone while biking? Anything can be done to those who violate the law?
    - i) Brad Cyclists are subject to the same laws as vehicle operators when riding in the street. Police will enforce those laws. You should contact the Police Department to let them know.
    - ii) Daniel Has a problem with police when he was in a Moped accident on Carlton Street with a driver pulling out of the shopping center. Daniel received a citation for not having a registration. The police did not issue the driver a citation because there was less than \$1,500 in damage done. Says it is not always damage to vehicle that matters. If a human being is hurt and an ambulance is called why would the driver not get a citation for reckless driving?
    - iii) Thanh Those are important points. We don't have a representative from Police Department here and we can help you get in touch with the Police to get answer to those questions.
  - c) Thanh Do you have suggestions for how the City should prioritize projects? Sarah had suggested bus schedule expansion.
    - (1) Daniel The bus schedule is most important. He rides his scooter, but hard in wintertime.

- d) John Would prioritize the bus schedule, then sidewalks, then bike lanes because of weather issues. If it's really bad weather or really hot, the buses are the best way.
  - e) Gayl –

- i) She agrees about bus schedule.
- ii) Looking at infrastructure, everything should be accessible. Particularly, because we get federal funding. Ex. CDBG funding.
- iii) We need to look at bus stations and bus stops making sure they are accessible. Getting people off paratransit and onto main bus routes.
- iv) Then sidewalks and curb cuts to be fully accessible, that creates path of travel throughout the community that is more seamless.
- f) Thanh To make everything accessible, how would you prioritize existing infrastructure vs. need for new infrastructure or is it location based on proximity to places?
  - i) Gayl—if somebody is building a housing complex they should build everything to be accessible, unless they get an exemption. Then we should make sure that everything we already have is accessible. Make sure existing sidewalks have curb cuts, and then plan for future growth and create new accessibility.
- g) Daniel Since City buses were bought by JMU, how much influence does JMU have on Harrisonburg Transit since they bought it?
  - i) Avery A common misunderstanding. 80% of buses purchased through federal funding, 10% from state, 10% combination of city and JMU.
- h) Daniel Is there any way to get Logistic Care to pay for bus tickets to help people get around the city, instead of paying for cab rides?
  - i) Avery I can speak with you after the meeting.
- i) Beth Older population has very unique needs, while so much has been focus on the student community and they are important, we need to look at how we can better meet the needs of older adults with limited options. Many can't drive, have physical disabilities, cognitive disabilities, because they still have to get places. What partnerships might we might form to meet those needs?
  - i) Brad What are some examples you have in mind to help the elderly?
    - (1) Beth Finances to pay for cabs or paratransit and we don't have enough assistance to help carry groceries, put on coats, etc. Having to wait for a vehicle to drop them off and circle back around can be difficult for them.
    - (2) Brad Are there specific pedestrian improvements?
      - (a) Beth Not many elderly walking very far, they need some type of vehicular transportation.
      - (b) Daniel some people who qualify for paratransit don't take advantage of it because they do find that a \$4 round trip is more expensive than a \$1 round trip ticket.
- j) Elise Sounds like affordability might be a good way to prioritize.
- k) Sarah Her clients receive Medicaid for 8 months so they get the discount for price. She thinks it's very affordable for public transportation. Harrisonburg is the cheapest bus system she's seen.. Thinks that the people paying 50 cents might pay a little more if it meant they didn't have to wait so long. But that's an opinion of her population.
- l) Daniel Summit House has been generous enough, if people stay long enough they do provide them with a bus ticket home. There are some people who don't take advantage of the system, they use it properly and they hang on by a thread. It depends on what you

- receive every month. Affordability is a big problem for most friends he goes to Summit
  House with.
  - m) Beth Her agency doesn't charge, instead they ask for a donation. Could provide more services if they had more volunteers.
    - i) Daniel Maybe there could be a program that receives donated vehicles to City transit, or other organization. If people don't need a hydraulic lift and they were able to get into a car, have a separate service that volunteers could drive people to places. Similar to Logistic Care, but similar to paratransit in scheduling pick up.
      - (1) Thanh What are opportunities or challenges to Daniel's suggestion?
        - (a) Gayl Can't get the volunteers to drive. Also have issues. For example, Uber drivers are not held to the same accountability and regulations as taxi drivers. There's a battle between those two communities. Anyone want to guess what locality in the Commonwealth of Virginia has the most Uber registered drivers? Answers, Harrisonburg. Many JMU students. May not be highly utilized yet.
        - (b) Gayl- The bus is very affordable. It's getting to the bus, the bus schedule, and the logistics.
        - (c) John This bus is fine. But any alternative to the bus, not walking, taking a cab, that is challenge. Cabs are expensive.
  - n) Thanh Summarizing what was been said:

- i) Prioritize bus schedule expansion,
- ii) Accessibility of sidewalks leading up to bus stops,
- iii) Repairing existing sidewalks to make more accessible, safety at pedestrian crossings. Separately, make sure the city's design standards and construction process ensures that new facilities are accessible.
- o) John Specifically no sidewalk on North Main.
- p) Sarah When would you need suggestions for sidewalks? She could talk to clients.
  - i) Thanh Provides overview of Bicycle & Pedestrian Plan process. Input was received in May 2015, and through a previous collection effort with Rockingham Co. Open to receiving information whenever but would like comments November 15<sup>th</sup> at the latest for the first draft of the Plan.
- q) Daniel How much does JMU have say in how city transit runs? Where does JMU get their money to build new convocation center, a plaza, etc.?
  - i) Gayl Its 2 separate pots of money; one for capital funding and one for other.
- 12) Gayl Since Harrisonburg is an MPO, which includes some of the County, what point should we expect to see the transportation, biking, and pedestrian plan be all inclusive of the whole MPO area.
  - a) John What is MPO?
  - b) Gayl Metropolitan Planning Organization.
  - c) Avery From City transit's perspective, it would be when the county contributes to transportation.
  - d) Thanh The Metropolitan Planning Organization member jurisdictions are Harrisonburg, Rockingham County, Bridgewater, Dayton, and Mt. Crawford. The group is made up of elected officials and city staff to facilitate transportation planning transit, bike, ped, freight, etc.

- e) Brad MPO is currently working Bike/Ped Plan to encompass entire area. Rockingham County and JMU are working on plans. We are always talking to each other to coordinate efforts and connect facilities, but many different challenges come into play across jurisdictions.
- f) Gayl Fascinating that we've been an MPO for a while but most of its concentrated within the city limits.

315 13) Daniel – Is CAT's bus connected to city transit?

- a) Avery A company called Virginia Regional Transit contracted with Blue Ridge Community College. They run services from Blue Ridge to/ from JMU.
- b) Daniel only 50 cents to get from JMU to Staunton.
- c) Gayl But you can't get back in the same day.

14) Thanh – Before we wrap up, is there anything that we've missed?

- 1) Elise Is there anyone not here who you think would be important to hear feedback from?
  - a) Sarah Would have been interested to have a few of her clients represent their communities here. We had 60 people arrive in September so we have been very busy and were unable to invite community leaders to this meeting. They would know what their community members are using and needs.
  - b) Daniel Pleasant View(?) would have some good feedback.
  - 2) Avery We schedule a "Ride the Bus" program to help people get acquainted with the bus system. And could coordinate this with your organizations on a bi-annual basis.
- 331 3) Thanh Thank you for coming out today.

1 2	Bicycle & Pedestrian Plan Focus Group Three: Higher Education & Retirement Communities
3	Friday, October 16, 2015, 1:30pm-3pm
4	Meeting Summary
5	Focus Group Participants:
6 7 8 9	<ul> <li>Lee Eshelman, James Madison University</li> <li>Angela Crow, James Madison University</li> <li>Eldon Kurtz, Eastern Mennonite University</li> <li>Heather Yoder, Virginia Mennonite Retirement Community</li> </ul>
10	City Department Participants:
11 12 13	<ul> <li>Adam Fletcher, Planning &amp; Community Development Department</li> <li>Brad Reed, Public Works Department</li> <li>Avery Daugherty, Harrisonburg Department of Public Transportation</li> </ul>
14	Other Participants:
15 16 17 18	<ul> <li>Moderator, Thanh Dang, Public Works Department</li> <li>Notetaker, Danielle Morris, Public Works Department</li> <li>Eric Saner, Bicycle and Pedestrian Subcommittee</li> </ul>
19 20	1) Thanh welcomed the group, described the purpose, and guidelines for this meeting.
21 22	Thanh introduced City department representatives.
23 24 25 26	<ul> <li>2) Participants introduced themselves.</li> <li>a) Heather Yoder – VMRC Wellness Center. Residents and community members can use the wellness center.</li> <li>b) Lee Eshelman – JMU Transportation Demand Management. Responsible for supporting</li> </ul>
27 28 29 30 31	<ul> <li>transit, bicycle &amp; pedestrian planning and implementation, transportation safety and signage on campus.</li> <li>c) Angela Crow – JMU writing and rhetoric department, does research on bicycling, and serves on JMU Bicycle &amp; Pedestrian Advisory Committee.</li> <li>d) Eldon Kurtz – EMU, Director of Facilities – works with traffic and infrastructure</li> </ul>
32 33 34	3) Thanh – In a typical week, what places do you, students, faculty, staff, residents need to go to and how do they get there?
35 36 37 38 39 40	<ul> <li>a) Lee –         <ol> <li>i) JMU has a contract with Public Transit to use their buses to get students from off-campus to on-campus, and runs shuttles across campus all day into the early evening. Public Transit serves approximately 2-2.5 million riders per year. JMU also uses them for games and graduation events. All buses have bike racks. Has done surveys,</li> <li>ii) Lots of walking and biking on campus. Has collected data on key corridors.</li> </ol> </li> </ul>

- iii) Bluestone Trail lots of students bike from the apartments to campus via the trail. JMU plans to build the trail thru campus soon and wants to connect with Northend Greenway.
  - iv) Lee is wondering what are safe routes from apartment complexes; especially those that are further out from campus. Ex. Copper Beech, South View, etc.
  - v) JMU has surplus bike racks they don't know what to do with them.

## b) Eldon –

- i) Residents surrounding EMU and EMU students go to the Harmony Square shopping center by biking, walking, driving, and bus.
- ii) Red Front there is a need for pedestrian enhancements to get residents and students there safely. Also a route towards downtown, and La Morena.
- iii) The shopping center along Mt. Clinton Pike (Gift & Thrift/ Traditions) students and residents go there via all modes of transportation.
- iv) There are people who work/ attend EMU who are residents living in/around downtown and would like a route to bike and walk between EMU and downtown without competing with the chicken trucks.
- v) Eldon is noticing more bus riders, observed people at bus stops. But there is a big delay between the buses that service the area so people drive instead of waiting an hour to hour and a half. Need more frequency of buses.

## c) Heather -

- i) VMRC is next to EMU, so share similar needs with transportation.
- ii) Residents who can't drive rely on each other for transportation or buses, but have to wait on the buses due to the delay between buses on the routes. Some residents need the para-transit buses, which is helpful for those have limited mobility.
- iii) Some residents walk (or use motorized chairs) to Harmony Square. Relatively safe to get there, but it isn't always safe at the roadway crossings or drive entrance crossings.
- iv) Residents also go to Rite-Aid on Rt. 42.
- v) They are seeing younger residents at VMRC who bike. They bike on Rt. 42 North, but the bike lanes "cut-off" as you enter the City from the County.
- vi) Staff sometimes use the bus system, but most staff live in Elkton, VA or in Bergton, WV.

## d) Angela -

- i) Has been trying to figure out how to do education for JMU students, but has been difficult. Trying to partner with UREC.
- ii) Her freshmen students are gathering information on other universities' education programs/ videos and will share with Lee.
- iii) The women in her classes say they would not walk/bike alone, but would in a group. Most do not feel safe walking alone especially at night. Most live in apartments, etc. that are in "less visible" areas. Some even don't feel safe walking through Arboretum at night.
- iv) She suggested a college-level "safe routes to school" program (with different name) to help women group together to walk home.
- v) She said that JMU makes campus a safe place to walk.

## e) Lee –

i) Is working on a campus survey on transportation that asks about perceptions about safety.

- Thanh Have you experienced, observed, or received feedback about difficult places and routes to access places in Harrisonburg?
  - a) Lee is working on a survey out asking students where the most dangerous locations or conditions on campus are.
  - b) Heather difficult to get to Rite-Aid, Gift & Thrift (on Mt. Clinton Pike) and Harmony Square (even though it's on the same side of the road, getting across roadway crossings & drive entrances is difficult)
  - c) Eldon & Heather Parkwood Dr has no sidewalks so you have to walk in the roadway and the high school is on that road.
  - d) Eldon will there be mid-point crossings in new roundabout on Mt. Clinton Pike?

- 5) Thanh What could be done to encourage people to walk, bike, or take transit more?
  - a) Lee build infrastructure to make it more attractive and safe and then do more education. And then enforce. You shouldn't start writing tickets to bicyclists who don't have anywhere safe to ride or haven't been educated.
  - b) Thanh asks, what features makes a route for walking or biking more attractive and safe?
  - c) Lee Shared use path concept is good. It does not physically separate bicyclists and pedestrians from each other, but separates them from drivers.
  - d) Angela Shared use paths need signage to explain shared space.
  - e) Lee
    - i) In ideal world we would be able to separate and give bicyclists, pedestrians, and drivers each their own space.
    - ii) The Bluestone Trail is gorgeous from Purcell Park to JMU, along Newman Lake. Its attractive.
  - f) Heather
    - i) Well maintained,
    - ii) No trip hazards,
    - iii) Benches placed along the way for when people need to take a break when they get tired.
  - g) Eldon
    - i) Appropriate lighting
    - ii) Trees and vegetation can enhance a space, but beware of creating "lurking" spots around vegetation. Balance those things.
  - h) Angela
    - i) Student population not comfortable on roads, the paths are a starting point to help get them acclimated.
    - ii) For women, having groups of women able to ride with other women helps them learn how to ride on the road more safely. Such as Harrisonburg Women on Wheels group and group in Staunton. Having a group women encourages women to try biking, gives them a sense that the streets are not as horrific as they thought. Research shows that women are less likely to take risks on bicycles. Research shows that women will take risks if they are not riding alone and there is someone there to help them learn. If the can be a program supported by the City or others, it would be good.
  - i) Lee
    - i) Other part of the equation is to educate drivers.

- ii) Lots of drivers are in a hurry and don't know how to drive around bicyclists and pedestrians.
  - iii) JMU trying to change the signage on campus to make it more apparent that the bicyclist does not need to accommodate the vehicle, the vehicle needs to accommodate the bicyclist.
  - iv) Also have skateboarders to educate.
  - j) Thanh asks what programming have you seen other communities do to educate?
    - i) Heather VMRC offers drivers safety courses with AARP.
    - ii) Lee Educate drivers about the right-of-way for bikes and the three foot rule. He doesn't think that is common knowledge.
    - iii) Eldon it's been a long time since he's taken drivers education and how to drive around bicyclists and pedestrians wasn't included then.
    - iv) Avery –

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- (1) Transit drivers are trained and model how to drive around bicyclists and pedestrians
- (2) Thinks there needs to be some consequence after education efforts are made or bad behaviors will continue.
- v) Eldon -
  - (1) Cultural awareness needs to develop. Now drivers are stopping on Park Rd at crosswalks, but it didn't use to be that way.
  - (2) More traffic calming.
- vi) Angela Signage can be confusing
  - (1) "BIKE LANE ENDS" doesn't mean the bicyclists have to get off the roadway, but some people think that.
  - (2) Maybe another sign indicating the bike has use of the full lane "Bikes May Use Full Lane".
  - (3) Consistency of signage across the city recommended.
  - (4) Recognizes there are limited ways to teach bicyclists and drivers; can't require all to take drivers exams again.
- vii) Thanh ... Changing laws and expectations...
- viii) Eldon ... greater prominence of bicycles as a viable form of transportation.
- ix) Angela Other community, Mobile(?), created videos to show people how to pass.
- x) Lee maybe pamphlets on windshields.
- xi) Adam advertising on transit buses.
- xii) Angela
  - (1) Stanford has a commuting buddy system.
  - (2) Suggests creating sticky stories to encourage
  - (3) Connect people to the Comfort Bike Map
- xiii) Brad explained the Comfort Bike Map.
- k) Thanh summarized what was discussed:
  - i) Education for bicyclists, pedestrians, and motorists
  - ii) Improved infrastructure such as crossings
    - iii) Shared use path design to be safe and attractive
- iv) Improve Public Transit
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- 177 6) Thanh If you were given a list of new bike/ped projects and programs needed in the City, 178 how would you prioritize which projects should be funded? How would you decide what is 179 the most important? What considerations would you make?
  - a) Heather Safety. Defined as looking at accident rates
  - b) Lee Identify major thru-fares for bicyclists and pedestrians and then make them more attractive and safe so then they would use those more, and stay off of busy streets and out of parking lots. North-south shared use path is great, what about east-west corridors?
  - c) Eldon Noted a written piece by Bob Berson Why not have something [a trail] head out to Dayton or Bridgewater?
  - d) Eldon for prioritization observe bike and ped heavy use areas
    - i) Where's the heavy use? If we build it, will it get used?
  - e) Thanh asks what are indicators of where heavy use is and where it could be?
    - i) Lee & Eldon where we don't have sidewalks we see cow paths
    - ii) Lee JMU Bicycle & Pedestrian Master Plan had a smart phone app to trace where the bike/ped person moves to/from (voluntary), could be used in city to track people (JMU MOVES app) could also see where they are going for future projects.
  - f) Thanh asks how do we determine where people want to go?
    - i) Lee create routes such as Grace St corridor improvements by looking at maps and seeing where people are going
  - g) Angela Gender issues. Men and women have different comfort levels and often choose routes differently.
  - h) Avery asks does JMU or EMU have a registration requirement for bicycles?
    - i) Eldon & Lee JMU & EMU do not require registration for bicycles currently
    - ii) Lee Kicking around idea that if you do register you'd get a free bike helmet and a pamphlet with education information. But there's really no incentive to register your bike. We don't have a big theft issue in Harrisonburg so why would you register your bike?
    - iii) Eldon It is recommended, especially if bike were to be stolen and left somewhere.
    - iv) Avery sometimes people forget and leave their bikes on the transit bus. About one bike per week.
  - i) Thanh These are all great ideas. When we summarize this report, I hope it will spur other good ideas and partnerships.
    - i) Lee The beauty of this discussion is if we could standardize some of these approaches enforcement, signage, wayfinding, registration, etc try to make it uniform to reduce confusion. It would be good to keep this going with ideas.
    - ii) Eldon This would help reinforce the culture we are trying to develop.
  - j) Thanh What ideas do you have for encouraging this type of conversation with these players? Are there any other players missing? What kind of forum? How frequent would they meet? What would incentivize people to participate?
    - i) Angela likes the JMU BPAC. There is overlap with the City Bike-Ped subcommittee.

- ii) Thanh There's the Harrisonburg & Rockingham Bike-Walk Summit coming up, is that the forum?
  - iii) Eldon Events like "Bikes, Burgers, and Beers"?
  - iv) Lee if someone like Angela brought an idea to him, he can reach out to city staff to discuss?
  - v) Angela if groups get together they can see what each are doing and not waste time by doing the same thing and spinning their wheels.
  - vi) Lee said JMU BPAC has organized subcommittees around 5Es education, encouragement, engineering, enforcement, and evaluation.
  - vii) Angela there are now also 5C's for women.

- k) Thanh summarized the discussion on prioritizing projects, not in any order:
  - i) Safety looking at accident history; identifying opportunities where short term fixes are;
  - ii) Look at where heavy use exists and where there is potential for heavy use using apps and talking to people about where they want to go;
  - iii) Identify major corridors for pathways for bicyclists and pedestrians to go north-south and to go east-west;
  - iv) Need a forum to help coordinate messaging and infrastructure improvements across organizations and throughout the community.

- l) Eldon While encouraging people to bike, providing places to park bikes is important; Also consider appropriate storage for the length of time people need
- m) Lee JMU campus is evaluating their bike racks number and locations, including sheltered bike racks and appropriate style of bike racks; sometimes bike racks are overflowing
- n) Adam suggested huge posters in department stores (Walmart, Target), on city buses, where I pay my bills with a "DID YOU KNOW..." kind of message. Would need to be a consistent design. Maybe put on side of transit buses. Not a small handbill. WOW factor, in your face.
  - i) The group expressed support of this.
  - ii) Discussion of importance of consistent messaging, consistent visual cues, branding so people will remember. Example: Doodie-Free Harrisonburg campaign from 2008.
- o) Eldon evening news could reach out to older residents.
- p) Brad asked if JMU or EMU was exploring Bike Share Programs
  - i) Eldon said a number of years ago there was a bike share program with yellow painted bikes, but then they were taken and wrecked.
  - ii) JMU said that UREC has a bike share program.
  - iii) There was discussion about a more professional bike share program, rental with credit card that would also be tied with off-campus housing.
- q) Avery Is it a requirement/could it be a requirement for students who register for classes to indicate where they live in the city? If so, that information could be used to show initial surges of where students are coming from and when.
  - i) Eldon Information exists in a protected directory. EMU could not give addresses out unless it was voluntary.

- ii) Brad Points could be provided on a map like it was for SRTS projects he's worked on. Info from school provides areas the students are from represented as dots on a map no detailed address or other specifics are provided.
- iii) Lee are there places where bikes should not go/be?

7) Thanh asked if Eric had any questions or thoughts for the group. Eric -

- a) Noticed a lot of interest in education and getting information out there. There was a suggestion to do this by requiring people to register their bikes and giving out materials then. He recommended also giving out materials to educate drivers when they register their cars for parking on campus and suggested handouts with rules of the road for drivers.
- b) Noted discussion about enforcement and suggested not forgetting also to do positive enforcement. A short PSA could be to stop people who are doing things the right way. Maybe the evening news would cover or you could get a gift card.
- c) Cautions against required bike registration. Especially if it leads to ticketed enforcement. It could hurt low income people and a barrier to everyone biking.
- d) Liked comment made about need for good parking facilities. Noted SVBC has program that encourages community bulk bike rack purchase.

8) Thanh - did we miss anything?

- a) Angela Marking streets May make sense to identify with markings on the street which streets are safer to ride on. Some people don't know what markings are supposed to mean. Just came back from a trip in the Netherlands where markings were clear.
- b) Lee there may be some places where we shouldn't have bikes. There's no shoulder or room to share, and speeds are very high. How do we make that work safely?
- c) Angela consider if there is another safer route vs. improvements to be made where there is not an alternative.
- d) Heather Bus System/Schedule There are residents who have lost their licenses or their family don't think it's safe for them to drive anymore. They need to pick up groceries and the bus schedule can be overwhelming to those who have never done it. Is there a program to help teach them to use the buses?
  - i) Avery already partners with Bob Horst at VMRC to assist elderly on how to navigate the system twice a year. Additional times can be scheduled. Transit brings a bus and para-transit to show them how to get on, etc.
- e) Adam & Heather is it possible for the bus drivers to help/assist the person getting on the bus: putting bike on rack, etc.?
  - i) Avery liability issues for potential damage to bicycles. Drivers can only help from the edge of the ramp up to the bus per ADA regulations.
  - ii) Heather VMRC may need to think about enhancing their own transportation program versus using public transit.
- 9) Thanh summarized next steps for the Bicycle & Pedestrian Plan.
  - a) Thank you for coming out today.

1	Bicycle & Pedestrian Plan Focus Group Four: Business & Economic Vitality
2	Tuesday, October 20, 2015, 1:30pm-3pm
3	Meeting Summary
4	Focus Group Participants:
5 6 7 8 9	<ul> <li>Kevin McDermott – Central Shenandoah Planning District Commission</li> <li>Joan Hollen – Shenandoah Valley Partnership</li> <li>Frank Tamberino – Harrisonburg-Rockingham Chamber of Commerce</li> <li>Thomas Jenkins – Shenandoah Bicycle Company</li> <li>Daniel Martin – Valley Mall Management</li> </ul>
10	City Department Participants:
11 12 13	<ul> <li>Brian Shull, Department of Economic Development</li> <li>Tom Hartman, Public Works Department</li> <li>Jim Baker, Public Works Department</li> </ul>
14	Other Participants:
15 16 17 18	<ul> <li>Moderator, Thanh Dang, Public Works Department</li> <li>Notetaker, Zach Nagourney, Public Works Department</li> <li>Carl Droms, Bicycle &amp; Pedestrian Subcommittee</li> </ul>
19 20	1) Thanh welcomed the group, described the purpose, and guidelines for this meeting.
21 22	2) Thanh introduced City department representatives.
23 24	Participants introduced themselves.
25 26 27 28 29 30 31 32 33	<ul> <li>3) Thanh – What kind of places do you, your customers, or employees go in a typical week and how do they get there (walk, bike, bus, drive)? What influences their decision?</li> <li>a) Frank – <ul> <li>i) Staff drive their cars and go to various meetings in personal vehicles. People coming to meet at his office also drive. Sometimes they might carpool, but are autodependent.</li> <li>ii) Depending on the size of the meeting they will try to meet at a more centralized location, like downtown.</li> <li>iii) Also needs to keep in mind some people may be coming from outside the area. Always makes sure there are plenty of parking spaces.</li> </ul> </li> </ul>
35 36 37	<ul> <li>iv) Some people can combine multiple meetings in downtown, but he may have to drive to Massanutten, then to Broadway and back to Harrisonburg.</li> <li>b) Joan –</li> </ul>
38	i) Works at the Icehouse downtown.

- ii) People who work downtown who come to her building will walk. But people who work in office, to go to meetings they have to drive because they cover a broad area. They live outside of Harrisonburg have to drive to work.
- iii) She loves to work downtown because she likes to walk around downtown. Can walk to local restaurants or just around the block.
- c) Thomas -

- i) Majority of staff rides bikes to work due lifestyle and to convenience. Having safe bike, covered bike parking solves where do I park my bike? Errands that the staff runs are close enough to ride bike, e.g. bike is close to shop.
- ii) Majority of customers drive to the store. Do have some that bike. Seen more of an increase in pedestrian traffic as we have seen more people working downtown. Walking to the shop during lunch. And this is more skewed then most other businesses. A good majority of JMU students are riding bikes to the shop. The shop is easy to get to by bike and makes it easier for customers to get to.
- d) Daniel
  - i) 90% of both staff and customers are driving. Most of his staff live outside of Harrisonburg in Bridgewater, Augusta, Grottoes, etc.
  - ii) Other 10% are JMU students taking public transportation.
  - iii) When the City added sidewalks, he thought we would have seen more biking and walking, but haven't.
- e) Kevin Are there any bike racks?
  - i) Daniel 3 bike racks
- f) Thomas asks Daniel Have the sidewalks spurred more walking in that area? People working or shopping coming from outside the sidewalk area?
  - i) Daniel Yes.
- g) Frank People in hotels, within a couple of blocks from there, has seen people walk all the time.
  - i) Thomas Yes, when I stay out of town at a hotel. I get to walk for a few minute because I've been stuck in a car or a conference all day.
- h) Daniel A lot of it is mindset. If I want to go to Chick-Fil-A for lunch, why don't I walk? The sidewalks are there. If the City is going to make the investment for infrastructure and public safety, we need to educate people to use the sidewalks. Maybe with more traffic and population growth it would force people to walk? Like in big cities. It hasn't happened here yet to force people to walk.
- i) Joan The time to get somewhere influences the decision to drive.
- j) Kevin When you get outside of the immediate downtown and JMU the density changes. The route from the mall to Chic-Fil-A isn't that far, but it seems far away.
- k) Daniel When he worked in DC he would walk further than that. You don't think about it.
- 1) Frank It's all perception.
- m) Kevin When you live in those places, there's a greater attraction to walking. He's not familiar with East Market St, but imagines that you're walking along long stretches of parking lots. There isn't much scenery to look at while walking, and the Chick-Fil-A that looks so far away. You don't think about that in a more dense place.
- n) Kevin The people he serves, through the HRMPO, are taking work trips, school trips, and shopping trips. 85 90% of those trips are taken by car. The college students are

biking and are who use transit the most. Once outside of JMU area, the public doesn't use transit as much.

- 4) Thanh What're the most important transportation factors that influence a business location?
  - a) Frank It depends on the type of business. For chains and commercial businesses that are dependent upon traffic coming through the door (retail, service) most look at Average Daily Traffic count how many cars are passing by. Can you turn in and turn out? For companies that are not dependent on that traffic, like IT companies, can locate anywhere. Not sure how many are not downtown. Most are in downtown because that is what they want and they want to intermingle with others and have synergy between them. However, if they are looking to relocate and are used to being a suburban location, they may just choose another suburban location with a large footprint.
  - b) Joan Sometimes companies who want to locate here will ask if there is public transportation available for employees to get around. SRI was in favor of bike paths for their employees. Some companies use biking as a huge asset for quality of living.
  - c) Frank Some people see biking as either a recreational activity or a form of transportation.
  - d) Thomas From a retail perspective, he looks at traffic around the business and ease of getting in and out. Non-retail depends on other things. Sometimes companies see a location and having the option of a facility nearby for employees to bike for transportation to work is an appealing feature for employers. So that recreational cyclists may find they can do it for transportation. DEQ office on the southside of Harrisonburg is a hard place to get by bike. They have lots of employees who are environmentally conscious who would bike but are limited. Public transit would be appealing for big stores like Wal-mart, Target to attract employees and shoppers.
  - e) Thanh (directed to Joan) What kind of response do you give to people calling?
    - i) Joan Promotes Bike the Valley website, City's recognition for biking. Hasn't promoted bike to work because she doesn't have material to promote what she doesn't know.
    - ii) Thanh What about transit?
    - iii) Joan Only Harrisonburg, Staunton, Waynesboro have transit.

- f) Kevin The Governor and others, when talking about VTrans vision process. Another way for cities to attract businesses and have a great economy to focus more on making your place a place where people want to stay and live. And then they'll come and build their business from the ground. He thinks Harrisonburg has a great start on that with JMU here. If you can make it attractive for people to live and they will want to stay. The Millennial generation wants a town that is bikeable, walkable and transit friendly. It makes it more attractive.
- g) Thomas D.C. is trying to figure out a way to retain the Millennials. The cost of living keeps going up.
- h) Daniel Tyson's Corner is trying to make it easier to work, play, live and stay in that area.
- i) Frank Reston, VA, building a small city and shutting everyone out.
- j) Kevin Out in Denver, many malls that were not doing well have been redeveloped into community centers and residential areas have been put in alongside retail.

- k) Frank In Denver, a business's rented bikes for a beer tour. 131
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- 5) Thanh Do you think improved infrastructure would attract businesses and/or local tourism? 133 134
  - a) Kevin -100% yes!
    - b) Joan agrees.
    - c) Kevin People want to vacation at places that are easy to get around.
    - d) Thomas Agree. Bicycle tourism has increased and will continue increase. But people want to be able to bike not just for recreational purposes, but they want that whole day experience to be able to walk to restaurants, to hotel, etc. or use public transportation. I think that is still missing here.

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- 6) Thanh Are there any examples of transportation infrastructure improvements that you have seen that promotes this type of environment?
  - a) Joan Adding sidewalks and crosswalks by the mall has been helpful for people walk out there. Has improved safety. And allowed people to walk to restaurants, etc.
  - b) Kevin Downtown streetscape improvements, ascetics, has really helped add to the pride of Harrisonburg. If they are visiting, they may think they want live in a place like Harrisonburg, how fun it looks, that is easy to walk around.
  - c) Kevin There are a lot of mountain biking and hiking opportunities outside of the city, like Shenandoah National Park. That is really attractive and those resources that successful cities play off of.

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- 7) Joan Are the any statistics of people who come from outside of Harrisonburg, who come here for recreational biking? She lives outside of Bridgewater and sees tons of people on bikes. The evening bicyclists may be local. On the weekends, there may be hundreds of people biking by and wonders if people are parking somewhere and then riding.
  - a) Carl a lot of people from Harrisonburg, Massanutten, and other places do park in Bridgewater and then bike.
  - b) Kevin Currently working on an Economic impact Study. A survey was released around April 2015 using survey monkey, as promoted for visiting and local bicyclists to go on to answer some questions about what their spending habits regarding bicycling and how often they visit and where they ride. Survey will close in mid-November 2015. Results will be run through an economic impact model to see what economic impact of local bicyclist is. About 1,200 people have filled of the survey to date.

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- 8) Thanh Have you observed or received feedback of difficult places and routes to access for biking, walking, or transit?
  - a) Frank Anywhere along 33 where there isn't a sidewalk.
  - b) Daniel North Main Street from the county building to the north. There's always people walking on the road and in the grass.
  - c) Thomas
    - i) Anywhere on Country Club Road.
    - ii) Getting from east-west sides of town to the other.
- iii) Along Route 33 crossing 81.
  - iv) On MLK Jr. Way from Route 33 to 42 is difficult.
- v) And hard to get to the very south end of town, DEQ offices. 176

d) Kevin –

- i) Big break from inside the city to outside. Hard to get around outside the core of the City and going out into the County.
- ii) 33 on the east and west side.
- iii) 11 on both the north and south side are difficult.
- iv) Also heard difficult to get from Belmont to the City.
- e) Daniel What about Reservoir St improvements?
  - i) Tom It will have bike lanes and sidewalks.
- f) Frank Not having sidewalks on a road isn't a bad thing if traffic is moving slowly, people are more courteous. But for roads with higher traffic and higher speeds, you're taking your life into your own hands.
- 9) Thanh What can be done to encourage people to bike and walk more? Infrastructure, encouragement, education.
  - a) Thomas Education is a big thing. Getting people in the mindset that walking and biking doesn't take that long door to door. Employers should encourage biking/walking from a health perspective. Parking can be a big expense, such as in places like downtown. To educate from different angles from the city and employers example: you work here, these are all the places that are a 5 minute walk. Some people are driving a few blocks to get to lunch and it takes longer than walking.
  - b) Thanh Have you seen any employer programs that should be tried around here?
    - i) Frank In Florida, employers encouraged employees to walk and bike so they wouldn't have to pay for all the parking spots. The best incentives is a disincentive, make it inconvenient for people to use a vehicle. But that can be counterproductive if people say they just won't go there any more, it could hurt a business.
    - ii) Daniel There is probably a distance, that helps people decide whether to bike or walk. A lot of the mall employs people from outside Harrisonburg. Education is key once you're at the location you park at the mall or you live downtown, then you park your car for the day and walk, bike, or use transit to get around within the City.
    - iii) Thomas Thinks that staff at JMU could commute to campus via car. Then when they get here, they could park at a satellite parking lot for staff, they could retrieve their bike out of a covered/ secure locker, and then bike to and around campus all day and for errands. I think people get into the mindset that it's one or the other, but I think it can be both.
  - c) Thanh Have you thought more about a carpool lot, Park & Ride in the area?
    - i) Kevin Thinks it's been a missed opportunity not to have a Park & Ride in Harrisonburg. Thinks it's needed. Putting one outside of downtown, then provide transit service or walk into downtown or to JMU campus. It works both ways. People in Harrisonburg and Rockingham might park there and carpool to Staunton, Augusta, and Waynesboro for work. Kevin lives out near Charlottesville and see this type of Park & Ride around the UVA campus, where people park outside of campus and takes a bus in for free.
    - ii) Thomas Thinks RMH had some incentives when they were located in their old location.
      - (1) Brian Many RMH employees would park in municipal lots the ride or walk in.

- iii) Kevin Does EMU have any issues with parking? Would they be attracted to Park & Rides?
  - (1) Frank –Doesn't think EMU has any issues. Bridgewater is starting to develop some issues with parking availability.
  - (2) Brian EMU has started adding more bike sheds with new dorms.

- 10) Thanh If you were given a list of new bike/ped projects and programs needed in the City, how would you prioritize which projects should be funded first? What factors are most important?
  - a) Joan Safety, places where people have been hit.
  - b) Daniel Areas where there's congestion for vehicles, buses, etc. Should alleviate tensions in those areas.
  - c) Frank Highest priorities would be congested areas.
  - d) Kevin Whatever projects get you the most bang for your buck, areas that could help the most people. Look at population density and job density.
  - e) Frank Sidewalks, too. Sidewalks may not take a lot of people off the road, but anything you can do helps.
  - f) Thomas There needs to be a balance between long term vision and planning, and fixing congestion issues now. If you're always dealing with what is the problem now, you will always being playing catch-up. You have to have the vision for what is down the pipeline, projects being planned for 20 years out. Consider a goal to increase public transportation or increase trips by walking and biking. Average citizen might not understand the balance, but there need to be one.
  - g) Daniel Transportation issues are difficult to fix because there is never enough money to fund the projects. In DC, when Springfield exchange was done, it took so long to do that the improvements became obsolete when the project was completed. Wants to fix things now but has to also plan for the future. The hot points identified now could move in 5 years due to changes, or other improvements.
  - h) Kevin looking at future land use goals, not just transportation.
  - i) Thomas Regarding the University, looking at how much congestion is due to students commuting to school. As a citizen, he chooses parts of town he'd travel to or avoid based on time of year or time of day, based on university schedule. Maybe look at transportation dollars differently. The university is such a major part of the transportation issue.
  - j) Daniel Assumes there is a bad point elsewhere in the City that was fixed when the Southeast Connector opened because people changed their routine. If you were to try to fix that one small bad point, you may have wasted a lot of money.
  - k) Frank part of it is mindset and tolerance level. You could keep widening Reservoir Street until you have no stops along it, or do you just live with it. He now plans his commutes based on time of days or choose an alternative route.
  - 1) Thomas Does the City track peak hours?
    - i) Tom Yes we do. We build sequencing into the traffic signals based on peak hours and peak direction of travel.
  - m) Thanh To summarize, the group would prioritize projects by
    - i) Looking at long term planning versus short term fixes, to carefully evaluate opportunities

- ii) Safety, such as accident information
  - iii) Areas with congestion
  - iv) What is the cost benefit, look at population densities and where people are moving
  - v) Sidewalk safety (not really a priority factor)
- n) Frank sometimes you have to build where you want people to go.

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- 11) Thanh Have we missed anything?
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- a) Frank How much PR, publicity goes on from a public transportation standpoint? If
  - you're a student you're probably getting that information. But other people coming to town or dependent on public transportation or who might be willing to take transit with awareness.
    - Thanh Will relay that question to transit. In other focus group meetings, Avery from transit offered bus riding education programs to community organizations.
    - ii) Kevin We have a Ride Share Program, grant funded by Department of Rail & Public Transportation. The program promotes any types of non single occupancy vehicle choices in transportation. Trying to incorporate more transit PR.
    - iii) Thanh Are there ideas to promote public transit that we can relay to Kevin's office or to Transit?
      - (1) Frank More awareness. Most people aren't in the automatic mindset to catch the
      - (2) Kevin Envisions the Ride Share Program helping people become more aware of transit. Sending employer human resources departments bus schedules and the bike comfort map that Harrisonburg made. Great resource that could be provided.
- b) Thomas Is there any incentive programs for employers or schools to reduce the number of car trips going to that location? Parents dropping off one kid at the school or business employees all driving to work. Are there municipalities out there who reduce the demand on our infrastructure by working with employers through incentives? Maybe that's money better spent then on infrastructure.
  - i) Thanh Doesn't know of any.
  - ii) Tom The city has the Safe Routes to School program that encourages parents to walk their kids to school. If a new business comes into the city the developer is required to build sidewalks, connector roads for interconnectivity, etc. We don't have the level of your idea.
- c) Thomas Suggests the city consider a cost share program to provide infrastructure to connect housing developments. Looking at big college housing units that are not integrated. Understands that they are private businesses and private developments, but there are opportunities there to connect them. There could be path connection The Overlook to the back of The Overlook to Hunters Ridge. What financial incentive can the city offer to the neighbors to reduce demand on our infrastructure?
  - i) Jim Would love to take a \$2 million project, instead of building \$2 million worth of roadway, but to break it out into multiple smaller funds, and take it to private developers to build interconnectivity and paths. But part of the education process goes beyond educating our own people. We need to educate the people who provide the funding to the City. The strings that come attached to the dollars the City received require that it only be spent for roads for motor vehicles. Federal highway funds can't easily be used for building paths. As we update the Bike/Ped Plan to show these

315		projects, we can add a narrative about bicycle and pedestrian plan to change the
316		mindset.
317	ii)	Kevin – There may be opportunity to incentivize building those internal connections
318		by allowing them to reduce other required road improvements. Or to reduce the
319		number of parking spaces they are required to build in exchange for building
320		interconnectivity with neighbors. Incentivize transit and alternative forms of
321		transportation.
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323	12) Thanh	<ul> <li>summarized next steps for the Bicycle &amp; Pedestrian Plan.</li> </ul>
324	a) Th	ank you for coming out today.

- a) Thank you for coming out today.

1 2	Bicycle & Pedestrian Plan Focus Group Five: Real Estate Development & Property Management
3	Wednesday, October 21, 2015, 1:30pm-3pm
4	Meeting Summary
5	Focus Group Participants:
6 7 8 9	<ul> <li>Kim Young, Pheasant Run Apartments and Willow Hills Subdivision</li> <li>Jennifer McCloskey – The Hills Harrisonburg</li> <li>Mary Masserley, Matchbox Realty</li> <li>Luke Smith, Funkhouser Realty</li> </ul>
10	City Department Participants:
11 12 13 14 15 16	<ul> <li>Adam Fletcher, Planning &amp; Community Development Department</li> <li>Brad Reed, Public Works Department</li> <li>Tom Hartman, Public Works</li> <li>Jim Baker, Public Works</li> <li>James Wininger, Harrisonburg Department of Public Transportation</li> <li>Alleyn Harned, Bicycle and Pedestrian Subcommittee</li> </ul>
17	Other Participants:
18 19 20	<ul> <li>Moderator: Thanh Dang, Public Works Department</li> <li>Notetaker: Danielle Morris, Public Works Department</li> </ul>
21 22	1) Thanh welcomed the group, described the purpose, and guidelines for this meeting.
23 24	Thanh introduced City department representatives.
25 26 27 28 29 30 31 32 33	<ul> <li>2) Participants introduced themselves.</li> <li>a) Kim Young, Pheasant Run Townhomes. Student community, also get young professionals and graduates.</li> <li>b) Jennifer McCloskey, The Hills. South View, North View, and Stone Gate. Jennifer new to the area.</li> <li>c) Luke Smith, Funkhouser Real Estate Group. Works with homeowners and potential investors. Went to JMU and has lived here as a young professional.</li> <li>d) Mary Masserley, Matchbox Realty. Main clients are students in downtown Harrisonburg.</li> </ul>
34 35 36 37 38 39 40	<ul> <li>3) Thanh – In a typical week, what places do you, students, staff, residents need to go to and how do they get there? What influences the decision to bike, walk, take the bus, or drive?</li> <li>a) Kim –</li> <li>i) Kim lives in Rockingham County. When she comes to Harrisonburg it's to and from work, conducting business, doctor's appointments, and groceries. She does have employees have moved into the City to be closer to downtown and events. Residents bike, walk or take the bus, going to JMU, to downtown areas. For new homes that she</li> </ul>

has built in Willow Hills, new homeowners purchase in the City to be closer to JMU where they work. They like being closer to restaurants, Farmers Market, and downtown. The Bluestone Trail offers more benefits and a lot of Pheasant Run residents walk or bike to JMU along the trail. Before the Bluestone Trail opened she had noticed more residents biking on South Main St bike lanes and walking along Main St to JMU when JMU closed campus to vehicles. Now with the trail, if you're not an expert and don't feel comfortable biking on South Main St you can use the trail as an alternative. Lots of residents run for exercise along the Bluestone Trail, and walk to campus. Since JMU is becoming more bike/walk friendly, the students are starting to become so.

## b) Luke -

- i) Lives a couple blocks from downtown. Spends a lot of time downtown at restaurants and events. Goes to Westover Park. If going downtown or to Westover Park he walks or bikes, and thinks others in his neighborhood do the same.
- ii) If he goes to his office, he drives. He works near University Boulevard & Reservoir Street and would like to see more sidewalks and bike lanes in the area.
- iii) He would like to try shopping at Costco on his bike with a trailer in the future, if he felt better about biking on Reservoir St or East Market St.
- iv) Sometimes he grabs lunches around his office and might drive. He knows that new construction requires sidewalks to be constructed, and believes it would be a challenge to retrofit new sidewalks in that area, but seems like that area could use them. He sees visitors staying at nearby hotels and they are walking to restaurants and are walking in the street, which doesn't look good and can't be comfortable. Thinks this area could be more walkable. What's happening with Reservoir Street?
  - (1) Tom Reservoir Street Project will provide more sidewalk and bike lanes on Reservoir between south city limits to Neff Avenue, and only sidewalks between Neff Avenue to University Blvd. Also, pending grant funding there's a new Safe Routes to School project planned for Spotswood Elementary that proposes sidewalks along Reservoir St. in that area.
- c) Jennifer Is new to the area and drives mostly between three properties. She has tried to walk, but it's a lot of time. Residents take the bus because it's easier than taking your car to JMU campus. Some residents are runners, but some don't feel safe running in the area due to site development taking place. A lot of residents are choosing to go to the fitness center to run/ walk because they don't want to be on the main road. They would prefer to be outside.
- d) Mary Most of her residents are going to campus. Has parking garages under Urban Exchange and there are as man bicycles as there are cars. They have had to install more bike racks in the garage and outside for visitors. Residents also go Farmer's Market and downtown. It's free to park a bike in the garage, but costs money to park a car.
- 4) Thanh Some people purchase a bike and then it gets left parked for a long time. What do you think influences people's decision to ride their bike?
  - a) Mary The weather is the biggest influence.
  - b) Luke –The weather and where you are going. If you're going to campus or around downtown or to one of the parks on the west side, it is easy, faster, and fun to get around

- on your bike. But if you have to go to East Market St or Reservoir St, you'd probably hop in your car because it's a further distance and it's safer.
  - c) There was nodding in agreement from the other participants.
  - d) Jennifer A lot of her residents don't choose to drive to campus because of the parking situation on campus. It takes them longer to drive and park and walk to class. To take the bus and get dropped off where they need to go is a lot easier.
  - e) Luke And the expense of the parking permit.

- f) Luke He was on the Bluestone Trail recently and asked Kim if Pheasant Run has a bike kiosk.
  - i) Kim Yes.

ii) Kim-

- (1) Agrees that weather and where they are going influences whether they bike or not. Resident scan enroll in the bike share program for \$30 per year for unlimited 12 hour use. There are 6 bikes available for use. Helmets are available for free. Has about 30% increase of use on that program since last year.
- (2) Has seen more and more resident's bike more often.
- (3) Residents from Park Apartments next door are also using the Bluestone Trail. They are walking through Pheasant Run to get to the trail, and she sees one gentleman walk by around the same time every day.
- iii) Brad is the bike share program open to anybody?
  - (1) Kim Yes. Open to all sign up online.
- iv) Luke Has been seeing more bike shares in other cities he has visited, and stations are available everywhere. Thinks that Harrisonbug would be a good candidate for that for a bike share program. Would be nice if City had a Bike Share program with stations around the city. It could be good for citizens and visitors. Might also be good for people who don't want to make a commitment to buy a bike.
- v) Kim That actually was what started her bike share program. Each year, there were 10-15 bikes per year that got left behind. She thought initially of doing a program on her own to offer free access to bikes. But then saw a bike share program when she traveled somewhere, and thought this partnership in a more structured environment would keep the bikes better maintained, avoid problems with being stolen or lost, or liability issues. So she entered into a partnership with Zagster. Zagster could expand bikes and kiosks to other locations on campus and downtown.
- vi) Luke if you are visiting town it would add to the experience.

122 vii) Kim – 123 (1) Th

- (1) There are people, like her, who wouldn't necessarily bike for the physical activity, but would for the enjoyment. Some people want to bike to experience the area without driving.
- (2) Bike share gives them an opportunity without the financial investment.
- (3) Pheasant Run has also partnered with Bluestone Bike & Run for events to show residents opportunities in the area.

5) Thanh – What are important transportation factors that influence where future residents choose to move within the City?

132 a) Luke –

- i) If you have family, how busy the roads are.
  - ii) If you are JMU student or a parent, then bus routes are important.
  - iii) Doesn't hear about bus routes from many other people.
  - iv) Biking is important to people who are bikers.
  - b) Mary
    - i) Bus routes are huge. She has spoken with Harrisonburg Public Transportation about bus routes and it doesn't seem that setting up bus routes in certain areas is not as critical to them. But to a parent or to a property manager, where you put that bus route is critical. Where you put the bus route, and if it's not a direct route to campus it could make or break a property.
    - ii) Urban Exchange does not have a direct bus route to campus. It is a roundabout route to Cloverleaf Shopping Center, etc. To get to JMU, you have to either walk, bike, or have a car. So for parents who don't send their kids here with cars anymore, that is make or break during lease signing and where they choose to live. Feels there is insensitivity when talking about bus schedule. It would be nice if the Urban Exchange had a direct route to JMU to serve the 192 apartments that are primarily students, even if only a couple times a day.
  - c) Jennifer Arboretum Trail is nice so students are not on the main road walking from Stone Gate Apartments. Parents like that because their son or daughter can walk or bike away from the main road.
  - d) Luke Even if you're outside of downtown, being able to walk around safe at all hours of the day without being worried about being mowed over a by a vehicle.
  - 6) Thanh What factors make a place more "walkable"?
    - a) Luke
      - i) Sidewalks help a lot.
      - ii) Crosswalks at busy roads.
      - iii) Slow traffic patterns.
      - iv) On Bruce Street, sometimes crossing 42 you have to wait a while. People are flying. The way it comes around the bend, feels that it is probably more risky to cross in a car.
    - b) Mary
      - i) Shrubbery. Sometimes in the downtown area, it's hard to see around shrubs at night. Is that the homeowners or the city's responsibility?
      - ii) Taking care of sidewalks for trip hazards.
      - iii) Parking spaces have been added in front of Benny's and it's a car hazard, pulling out into traffic to see around the cars.
    - c) Luke the sidewalk on the west side of the parking garage on Liberty Street. Half of the sidewalk is taken up by the holy bushes. Two people can't walk side by side.
    - d) Thanh encouraged additional comments like this from the participants. If there are other problem areas please email them to Thanh.
- 7) Thanh What transportation infrastructure improvements have been positive for the
   community?
- 177 a) Kim –

- i) Bluestone Trail is a nice asset. It's great to see different factions of the community using it. Not just students. It's pulling all the aspects of our unique community together for everyone to enjoy. It's a fantastic addition.
- ii) Likes all the pocket parks in different residential areas, makes it more accessible to walk or bike to those facilities.
- iii) Appears that there are a lot of people using bike lanes and sidewalks along Stone Spring Road. Notices more people out and about.
- iv) Improvements in downtown area that is more aesthetically pleasing gives more character to the downtown area.
- b) Luke –

- i) Ice House Expansion and landscaping is nice.
- ii) Is at Westover and Hillandale Park a lot disc golf and trails.
- iii) There are a lot of doggy bag stations and it's great for dog owners.
- iv) As downtown is starting to expand to the north and Liberty Street is starting to get more used.
- v) And more use along Wolfe Street with the food trucks and new brewery, hopefully will get more people walking along that corridor.
- vi) JMU making it more difficult to drive across campus with the gates makes it nicer to bike across.
- c) Kim
  - i) If you're not a JMU student and you don't have access to get around campus, it is difficult to get onto campus. She volunteers for an organization, and can't park anywhere. Attending the housing fair can be unbearable to cart all of her things. It restricts the interactiveness, but is probably better for JMU.
  - ii) Thinks people like being in small town, where people are approachable, all of these additions to parks, paths, beatification projects, makes people want to spend more time in the city and invest in the area.
  - iii) Thinks all the projects have enhanced the city.
- 8) Thanh Have you experienced, observed, or received feedback about difficult places and routes to access places in Harrisonburg?
  - a) Luke
    - i) Holy bushes along Bruce St parking deck on Liberty Street.
    - ii) University Blvd & Reservoir Street needs more sidewalks. He would walk to restaurants during his lunch breaks if he didn't have to walk on the road or through parking lots. A lot of people in his office drive to lunch too.
    - iii) Trying to cross Route 42 from the downtown area to go to Westover Park is not very safe. The two crosswalks are Market St and MLK, which is far away. Suggested considering a tunnel under Route 42 for pedestrians and bike riders.
  - b) Kim concerned about trails in Purcell Park. Doesn't recommend that people walk through there even as it's getting dark. Says some of the area is questionable. At one point in time, there were homeless people closer to the Interstate.
  - c) Mary Reservoir Street between 1pm 5pm, there is a lot of traffic coming off Evelyn Byrd Ave and they stay in the right lane which causes a lot of backup.
    - i) Adam a lot of it is due to students trying to get home to Chestnut Ridge Dr. and other student housing to the south.

- ii) Brad should be taken care of with the Reservoir Street Project.
- Thanh What could be done to encourage people to walk, bike, or take transit more?
   Infrastructure & Education, Enforcement, Encouragement?
  - a) Kim –

- i) Half of her residents don't even know there is a park just beyond Pheasant Run. If residents at other properties are the same, many students don't know beyond what they can't see.
- ii) With Bike Share Program, Pheasant Run lets the students ride the bikes, get on the trail and explore Purcell Park.
- iii) Suggests education and visibility about the city parks, trails and amenities in the city with brochures
- iv) She markets the Bluestone Trail heavily for getting to Purcell Park and to JMU.
- v) Doesn't think most college students know what's around them. A lot of students don't know about Westover Park.
- b) Luke Lots of students have no idea about the parks and what they offer Westover Park offers fisbee golf, fooseball, weight room, etc.
- c) Kim There is overall lack of knowledge about the amenities in this area.
- d) Thanh Summarized the discussion that if residents, including students, knew about amenities near them, they might walk and bike more.
- 10) Thanh In addition to a community map, what other ideas do you have to share this information with neighbors, customers, etc?
  - a) Mary Create phone app to show nearby attractions. Students don't use paper maps, but have their phones with them 24/7.
  - b) Kim App of things to do in the area. The app might feature different things to do in the area to expose students to different things to do.
  - c) Mary If Bike Share Program set up around Harrisonburg, each station could have electronic informational kiosks to tell people what destinations are near the kiosks
  - d) Luke Encouraged YELP reviews for parks and community centers Is used a lot in other places, but not used as much in this area.
  - e) Brad Do students/ customers not use google maps or similar tools to search for what's nearby?
    - i) Kim they are not focused on looking unless something specific is suggested to them.
    - ii) Mary you have to market the park like you would market an apartment and show what you have to offer.
  - f) Kim subscribes to the City Bike/Walk Monthly Newsletter and it has given her information that she relays to her residents by facebook, etc. It's a great resource that would be of interest to other people.
  - g) Jennifer It would be nice to give residents a paper Move-In brochure about the amenities to give to new people moving in would be nice.
  - h) Thanh asked if an organization in the City could create that and distribute a brochure to the apartment complexes, would they distribute it?
    - i) Jennifer Yes, she would distribute it because it helps her residents.

- ii) Kim Thinks that JMU would want to help promote this information as an alternative to drinking
- i) Thanh this information will be relayed to Parks & Recreation Department
- 11) Thanh What programs have benefited you/your clients? What programs do you wish to see more of, or are there new ones that you would like to see?
  - a) Kim Has partnered with Bluestone Bike & Run who has come and given bike and trail safety, etiquette, and maintenance talks at Pheasant Run for residents.
  - b) Luke Thinks those workshops are happening frequently in our area at other bike shops too. Pointing people to the local bike shops for information to be aware of events.
  - c) Mary Works also at Harrisonburg Fire Department and gives out informational brochures about brain injury awareness, bicycle and pedestrian safety, helmets, etc. that she could get for apartment complexes to give out. Contact her.
- 12) Thanh If you were given a list of new bike/ped projects and programs needed in the City, how would you prioritize which projects should be funded? How would you decide what is the most important? What considerations would you make?
  - a) Kim-

- i) She would look concentration of housing and retail areas, using population numbers
- ii) Would put new sidewalks where there are people.
- b) Luke connect areas where the most people spend the most time
- c) Kim Agrees with Mary on buses. Pheasant Run gets infrequent service on weekends and over the summer it's on demand. Many residents are choosing not to have cars. More people walking and biking, and affordability is a bigger issue. Not having buses run regularly is a big negative for residents.
- d) Adam what are the vacancy rates over the summer?
  - i) Kim if they have jobs they are staying. Many are taking classes over the summer. She sees a drop only in July and August, but consistent numbers the rest of the year.
  - ii) Mary doesn't have a ton of drop. Over the summer, students may go home for a few days and come back because their apartment is home. Not having a direct bus route to campus is a tough sell.
- e) Kim thinks the gate system on campus is forcing more and more people not to have cars. Pushing people to walk, bike, and take transit more. Is the City finding increases in bus ridership? Or is it the same?
  - i) James not really tied to gate system. Number of students has remained about the same, but changes with new housing off campus.
  - ii) Kim says when Pheasant Run first opened, they were giving out passes for 4 parking spaces per apartment. Now she may give out 2 or 3 per apartment. She is seeing more bikes and is purchasing more bike racks and is seeing more people at bus stops. Maybe in her community it's not making an impact over the whole system.
  - iii) James ridership has gone up over the last 10 years, maybe nearly doubled. And more people are riding the bus from one side of campus to the other.
  - iv) Mary She has spoken with Reggie at Public Transit, he said that Urban Exchange doesn't have any students who ride the bus. Mary says it's because they have no direct routes.

- v) Kim says she has hourly service, but there's not a direct route either from Pheasant Run. On demand service was problematic for her residents.
  - vi) James Acknowledged the big hurdle involved with asking riders to transfer buses.
- f) Thanh summarized the priorities discussed

- i) Prioritizing biking and walking infrastructure based on concentration of housing
- ii) Connecting where people spend the most time
- iii) Improving the bus schedule and provide more direct service
- g) Kim is glad Pheasant Run did the lighting along the trail within Pheasant Run.
  - i) Tom Purcell Park is technically closed at night which is why it was not lighted.
- h) Kim suggested connecting to what's in existence and making it better. Add on and extend to new location. Enhancing and increasing what is there, to make a longer trail, rather than start at a whole new place.
- 13) Thanh Have we missed anything? Any questions for staff or from staff to the participants?
  - a) Adam In communities, how many are not students and what mode of travel are they using the most?
    - i) Kim only about 2-3% are not students and they drive
    - ii) Mary about 40% are not students (grad students on up) and they utilize all modes of travel. They have chosen to live downtown to be within walking and biking distance. They may get into their car to go to work, but they chose this as home to enjoy the downtown amenities.
    - iii) Jennifer little to no non-students. North View has more non students due to lower pricing and her company will be raising the price.
  - b) Luke Really don't have a use for the bus system because he really doesn't see a place to bus to. He has situated himself where he wants to walk to places.
  - c) Kim Willow Hills is a good example of an opportunity where residents may utilize trails if they led to downtown, campus etc. Perhaps there is an opportunity to use the Bluestone Trail by Stone Spring Road, but it is rather intimidating with the hills and the traffic. Thinks people would use trail system to get to downtown, campus, Purcell, etc.
  - d) Luke Hills are a barrier for biking/walking. We live hilly area. Thinks that may be where more bus routes should go, to connect those areas to parks and downtown. Thinks more frequent bus lines would be good. Could charging more help? Are the buses free?
    - i) James Only "free" to JMU students. Transit has a contract with JMU and it costs a \$1.00 to ride the bus for non-JMU students (per ride), ridership has stayed steady for the past few years.
  - e) Alleyn Do you use the trails only during the day?
    - i) Kim yes, I don't encourage using them at night due to no lighting, I don't feel safe or secure at it gets closer to dusk. I don't worry about it during the day. Feels safe and comfortable during the day. Its utilized frequently and a lot of traffic. Feels unsafe during downtime when people are not around.
    - ii) James Arboretum not lit at night, very treacherous.
- 14) Thanh summarized next steps for the Bicycle & Pedestrian Plan.
- 15) Adam Went over the 2016 Comprehensive Plan and encouraged them to come make comments, etc. Also, made them aware of the Bike/Ped Plan.

# **Appendix D:**

ActiveTrans Methodology



## Harrisonburg Bicycle and Pedestrian Plan - 2017

## ActiveTrans Methodology

Individual variables within each of the five major categories – stakeholder input, constraints, existing conditions, connectivity, and equity – were scored based on metrics that are specific to each; yes or no, vehicles per day, distance across an intersection, citizen input from public work sessions, traffic speeds, persons per square mile, etc. For each variables or measurement, a decision has to be made as to what deserves priority; Is it more important to add bicycle and pedestrian facilities to high traffic streets, or low traffic streets? Should we improve intersections with short crossings first because they are easier, or long crossings first because they pose greater risks to pedestrian safety? The answers to these priority decisions are found below for each ActiveTrans variable, along with which projects (*Pedestrian Segments, Pedestrian Intersections, Bicycle Segments, or Shared Use Paths*) each variable applies to.

Scaling is also applied to each variable to compare variables that may be measured in different units, and to compare non-numeric values like "yes" or "no" by converting them to numeric values like 0 and 1. Proportionate scaling is used when a range of values has no outliers, while Quantile scaling is used for value ranges that may have outliers, dividing the values into either 4 or 10 quantiles. Inverse scaling can also be used with either Proportionate or Quantile scales when a high value for a variable is not a desirable quality. For mare about variable scaling and ActiveTrans methodology, consult the ActiveTrans Priority Tool Guidebook published by the National Cooperative Highway Research Program.

All variables are scored from 0 to 10, then multiplied by the weight factor for their category (constraints, equity, etc.) found on page 18, and added together to produce the Prioritization Scores found in Appendix E.

## **Stakeholder Input**

## **Number of Citizen Comments**

Applies to: All Projects
Scaling: Proportionate

The projects assessed by the ActiveTrans tool were generated by public comments gathered through:

- A Wiki Mapping exercise conducted by the Harrisonburg-Rockingham Metropolitan Planning Organization between April 19<sup>th</sup> and June 28<sup>th</sup>, 2013.
- One public input session held on May 19<sup>th</sup>, 2015,
- Five subsequent focus group meetings in Fall 2015, and
- Public comments collected during the development of this plan, the bulk was collected in May and June 2015.

Projects were scored based on the number of mentions or identifications each received during the public input process. The ActiveTrans analysis prioritized those projects with the highest level of public support or concern.

## **Included in an Existing Plan**

Applies to: All Projects
Scaling: Proportionate

The ActiveTrans analysis prioritized those projects that were already included in existing City plans including the 2010 Bicycle and Pedestrian Plan, the 2011 Comprehensive Plan, and the city's Capital Improvements Plan. Projects with previous inclusions in these plans were prioritized over newly suggested projects.

## **Constraints**

## **Available Right of Way**

Applies to: All Projects
Scaling: Proportionate

Pedestrian and bicycle projects that can be constructed within existing rights-of-way (property owned by the City) will be easier, faster, and less costly to build. Therefore, the model prioritized projects that can be accomplished without purchasing additional right-of-way. The availability of right-of-way was estimated by taking measurements from the city's existing GIS mapping. The analysis required 8 feet of available space for pedestrian segments, or 17 feet for shared use paths. If these widths were not available at any point along the proposed segment, the project was judged to require additional right-of-way. For bicycle segments, a general assessment of pavement space was made, judging the potential to install bicycle lanes without widening roads or reducing number of vehicle travel lanes.

## **Major Utility Relocation**

Applies to: All Projects

Scaling: Inverse Proportionate

Utilities include electric, gas, water, sewer, etc. Utility relocation can be complex and expensive. The ActiveTrans analysis promoted those projects that can likely be constructed without disturbing existing utility locations, both above and underground. A visual inspection of proposed projects was used to generally assess utility conflicts, although some underground utility conflicts can be hard to see. Projects were scored as having either no conflicts, minor conflicts affecting utility pedestals and other small features, of major conflicts requiring the relocation of overheard utility poles.

## **Existing Conditions**

#### **Vehicle Lanes**

Applies to: Pedestrian Segments, Shared Use Paths

Scaling: Proportionate

The ActiveTrans model was constructed to prioritize pedestrian projects along those streets with more than 2 lanes. These wider roads are often main routes, connecting the city's most important destinations, and where pedestrians and cyclists are most in need of safe accommodations. For the purposes of this analysis, shared center turn lanes were included in the overall vehicle lane count. For Bicycle Segments, see Traffic Stress.

## **Speed Limit**

Applies to: Pedestrian Segments, Pedestrian Intersections, Shared Use Paths

Scaling: Proportionate

In line with an overall approach to prioritize projects where the safety of pedestrians is most at risk, the ActiveTrans model prioritized pedestrian projects along streets with faster moving traffic. For Bicycle Segments, see Traffic Stress.

## **Average Daily Traffic**

Applies to: Pedestrian Segments, Pedestrian Intersections, Shared Use Paths

Scaling: Proportionate

Prioritizing sidewalks, bike lanes, and path projects along high volume streets further promotes the approach of establishing a pedestrian network where safety is paramount. Therefore, the ActiveTrans model was constructed to promote projects along busy routes where safe pedestrian accommodations are needed most. For Bicycle Segments, see Traffic Stress.

#### **Traffic Stress**

Applies to: Bicycle Segments Only

Scaling: Proportionate

The Traffic Stress Index was established as a part of the Harrisonburg Community Bike Map Project to rate city streets based on their suitability for riders of different levels, from children and beginners to confident expert cyclists. The Traffic Stress Index was calculated by considering variables such as traffic, roadway speeds, road width, and whether bicycle lanes were present. These existing traffic stress scores were incorporated into the ActiveTrans model to promote bicycle segments that have the lowest stress and highest comfort for riders of all levels. For the map and Review Guide, visit www.harrisonburgva.gov/bike-map.

## Type of Traffic Control

Applies to: Pedestrian Intersections Only

Scaling: Inverse Proportionate

For pedestrian intersection projects, the model rated whether traffic controls are currently in place, and what kind. Intersections were ranked as either having no traffic signal, a traffic signal only, or a traffic signal that includes pedestrian crossing signals. Intersections that currently have no existing signal at all were prioritized by the model.

#### **Presence of Raised Median**

Applies to: Pedestrian Intersections Only

Scaling: Proportionate

When crossing wide streets or divided routes, a raised median between travel lanes moving in opposite directions can serve as a refuge for crossing pedestrians, letting them confront only one direction of traffic at a time. Where a median is available or planned as part of a future improvement project, a proposed crossing project can be made to be safer and more comfortable; therefore, projects including a median were promoted.

## **Distance from Nearest Traffic Signal**

Applies to: Pedestrian Intersections Only

Scaling: Inverse Quantile 10

In the interest of safety, pedestrians should only cross roadways at intersections. Where intersections are far apart, pedestrians are not given convenient options to cross. For this reason, the ActiveTrans model gave higher priority to pedestrian intersection improvements when the next available intersection is farther away, promoting more, and more closely spaced, opportunities for pedestrian crossing.

## **ADA Compliance**

Applies to: Pedestrian Intersections Only

Scaling: Proportionate

The city's existing intersections vary in their compliance with the Americans with Disabilities Act (ADA), requiring curb ramps for wheelchair users and other disabled pedestrians. The model made improvements where ADA upgrades are needed a high priority, helping to serve the needs of all users. While curb ramps are necessary for many disabled users, they are also a great convenience for older users, young children, and parents with strollers.

## **Longest Crossing Distance**

Applies to: Pedestrian Intersections Only

Scaling: Quantile 4

With variation in the width of city streets, pedestrians must sometimes cross long distances, especially when crossing major routes. Very long crossings are most in need of safe pedestrian options; therefore, the model ranked pedestrian intersection projects based on the longest crossing leg, prioritizing improvements to long crossings where pedestrian safety and comfort are most needed.

## Connectivity

## **Connects to Existing or Proposed Sidewalks and Paths**

Applies to: All Projects
Scaling: Proportionate

The ultimate goal of the Bicycle and Pedestrian Plan is to construct a network of connected improvements that allow seamless pedestrian and bicycle trips in all areas of the city. To best meet this goal, the ActiveTrans analysis promotes those projects that connect to other existing or proposed facilities, maximizing the overall bicycle and pedestrian network.

#### Safe Route to School Link

Applies to: All Projects
Scaling: Proportionate

Safe routes to schools are especially important to the overall connectivity goals of the Bicycle and Pedestrian Plan, and promote safe and convenient opportunities for children to bike and walk to and from schools. The importance of projects that provide safe routes to schools is compounded by the availability of special grants to fund projects of this type. For the purposes of this analysis, the model promoted bicycle improvements located within 1 mile of a school, and pedestrian projects located with 0.5 miles of a school.

## **Along Public Transit Route**

Applies to: Pedestrian Segments, Bicycle Segments, Shared Use Paths

Scaling: Proportionate

Connections between bicycle, pedestrian, and transit facilities further enhances the ability of residents and visitors to navigate Harrisonburg without access to an automobile. For this reason, the model promoted projects that are along established transit routes. Project segments that are parallel to existing transit routes are ranked higher by the model, as well as some non-parallel routes at the discretion of city staff and the Bicycle & Pedestrian Subcommittee.

## **Equity**

## **Equity Score**

Applies to: All Projects
Scaling: Proportionate

While pedestrian and bicycle facilities are an amenity to many residents of Harrisonburg, they are a necessity for those who do not have access to a car because of their age, financial situation, or disability. To help deliver bicycle and pedestrian infrastructure to those who need it most, city staff and the Bicycle and Pedestrian Subcommittee devised an equity score of each project based on four criteria:

- 1. Percentage of the population classified as low and moderate income
- 2. Percentage of the population under 18 years old
- 3. Percentage of the population over 65 years old
- 4. Percentage of households who do not own a vehicle

Each of these factors was mapped for census block groups nearest a proposed project, and projects with high equity scores ranked higher by the ActiveTrans model.

## **Population Density**

Applies to: All Projects Scaling: Quantile 10

The ActiveTrans model promoted projects near where more people live in order to serve the greatest need for bicycle and pedestrian facilities, and to deliver the greatest benefit to residents for limited construction funds. This analysis uses census block group data for population density.

## **Activity or Employment Density**

Applies to: All Projects
Scaling: Quantile 10

In order to prioritize projects where demand for pedestrian and bicycle routes is high, the model gave higher ranking to projects in or near activity and employment centers, creating options for biking or walking to work and other errands.

## Harrisonburg Bicycle & Pedestrian Plan 2017

ActiveTrans Priority Tool - Variable Scaling

	Ped Segment	Ped Intersection	Bike Segment	Shared Use
Stakeholder Input				
Requests & Comments	Proportionate	Proportionate	Proportionate	Proportionate
Included in Adopted Plan	Proportionate	Proportionate	Proportionate	Proportionate
Constraints				
Available Right of Way	Proportionate	Proportionate	Proportionate	Proportionate
Major Utility Relocation	Inv. Proportionate	Inv. Proportionate	Inv. Proportionate	Inv. Proportionate
Existing Conditions				
Total Vehicle Lanes	Proportionate	X	X	Proportionate
Posted Speed Limit	Proportionate	Proportionate	X	Proportionate
Average Daily Traffic (ADT)	Proportionate	Proportionate	X	Proportionate
Traffic Stress	Χ	X	Proportionate	X
Type of Traffic Control	Χ	Inv. Proportionate	X	X
Presence of Raised Median for Refuge	X	Proportionate	X	X
Distance from Nearest Traffic Signal	X	Inv. Quantile 10	X	X
ADA Compliance	Χ	Proportionate	X	X
Longest Crossing Distance	X	Quantile 4	X	X
Connectivity				
Connects to Existing Sidewalk/Path	X	Proportionate	X	X
Connects to Proposed Sidewalk/Path	X	X	X	X
Connectivity	Proportionate	X	Proportionate	Proportionate
Safe Routes to School	Proportionate	Proportionate	Proportionate	Proportionate
Located on Transit Route	Proportionate	X	X	Proportionate
Equity				
Equity Score	Proportionate	Proportionate	Proportionate	Proportionate
Population Density	Quantile 10	Quantile 10	Quantile 10	Quantile 10
Activity/Employment Density	Quantile 10	Quantile 10	Quantile 10	Quantile 10

# **Appendix E:**

**Network & Facility Recommendations** 



	34	PEDESTRIAN SEGMENTS - ActiveTrans Priority Rank	S - Active	Trans Prior	ity Rank							
9	LOCATION	Stakeholder Input - <sup>score</sup>	Stakeholder Input - Weighted score	- stais - stais - stais	Constraints - Weighted score	Existing Conditions - score	Existing Conditions - Weighted score	Connectivity - score	Connectivity - weighted score	Equity - score	Equity - Weighted score	Prioritization Score
PS-1	Virginia Ave-Mt Clinton Pk-NCL	6.1	18.2	7.8	77.8	8.4	84.0	5.0	30.0	5.4	32.2	242.2
PS-2	Erickson Ave-Garbers Church Rd-Erickson Ave Phase I Terminus	6.1	18.2	10.0	100.0	4.8	48.2	10.0	0.09	1.9	11.7	238.1
PS-3	E Market St-MLK Jr Way-Linda Ln	7.5	22.5	5.0	50.0	7.3	72.5	5.0	30.0	8.8	52.8	227.8
P.S-4	S Main St-Mosby Kd-SCL Deach Gove Ave-Vina Edwards Wav-Stone Sorina Pd	6.I 5.1	18.2	2.0	50.0	3.0	91.4 30.4	5.0	30.0	5.1	30.5	220.1
PS-6	N Main St-Charles St-North City Limits	6.4	19.3	7.8	77.8	4.2	42.2	5.0	30.0	6.5	38.9	208.1
PS-7	Reservoir St-MLK Jr Way-Evelyn Byrd Ave	1.8	5.4	2.8	27.8	4.7	47.2	10.0	0.09	9.2	55.0	195.4
PS-8	Port Republic rd-Forest Hill Rd-Bluestone Dr	0.0	0:0	7.8	77.8	8.3	83.3	0:0	0:0	5.3	31.7	192.8
PS-9	Port Republic Rd-5 Main st-Bluestone Dr Country, Club Rd-Vine Gt-E Market St	0.01	2.1	0.0	0.0	7.1	71.3	10.0	0.09	8. 8 8.3	50.0	183.4
PS-11	1	0.0	0.0	0.0	0.0	7.2	72.2	10.0	60.0	5.8	35.0	167.2
PS-12		5.7	17.1	2.8	27.8	4.8	48.2	10.0	0.09	1.9	11.7	164.8
PS-13		0.4	1.1	0.0	0.0	4.7	47.2	10.0	0.09	9.5	55.0	163.3
PS-14		5.4	16.1	7.8	77.8	8.0	8.3	5.0	30.0	5.0	30.0	162.2
PS-15		7.9	23.6	2.8	27.8	1.5	15.2	10.0	0.09	5.4	32.2	158.8
PS-16	University Bivd-Reservoir St-E Market St	6.4	19.3	8.7	8.72	5.5	55.1	5.0	30.0	4.3	25.5	157.7
PS-17		0.0	0.0	10.0	100.0	1.0	6.6	5.0	30.0	2.3	13.9	153.7
PS-19		8.6	25.7	2.8	27.8	3.5	35.1	5.0	30.0	5.4	32.2	150.8
PS-20	ΙI	1.8	5.4	0.0	0.0	2.1	20.9	10.0	0.09	9.2	55.0	141.3
PS-21		5.0	15.0	5.0	50.0	1.1	11.0	5.0	30.0	5.3	31.6	137.7
PS-22		5.4	16.1	5.0	20.0	6.0	9.4	5.0	30.0	5.4	32.2	137.6
PS-23	Sterlign St-E Elizabeth St-Effinger St	5.0	15.0	0.0	0.0	1.0	10.3	10.0	0.09	8.5	51.1	136.4
PS-24		0.0	16.1	5.0	50.0	0.8	10.0	5.0	30.0	5.0	30.0	134.4
PS-26		6.1	18.2	0.0	0.0	4.3	42.9	5.0	30.0	6.8	41.1	132.2
PS-27		6.8	20.4	0.0	0.0	5.5	55.1	5.0	30.0	4.3	25.5	131.0
PS-28		6.8	20.4	0.0	0:0	2.3	23.1	10.0	0.09	4.5	27.2	130.7
PS-29		0.7	1.7	0.0	0.00	6.0	8.8	0.0	30.0	0.0	39.4	130.4
PS-30	Singilist-Nockingilain Square Shopping Center-Enckson Ave Contral Ava-Plassant Hill Rd- South Ava	4.0.4	15.0	0.0	0:0	1.1	11.0	10.0	20.0	4.4	41.6	120.2
PS-32		5.5	16.1	5.0	50.0	0.8	8.3	5.0	30.0	88	22.8	127.2
PS-34		0.0	0:0	2.8	27.8	4.2	42.1	5.0	30.0	4.4	26.1	126.0
PS-35		0.4	1.1	0.0	0.0	8.0	8.3	10.0	0.09	9.2	55.0	124.4
PS-36	Hillside Ave-Greystone St-End	5.7	17.1	7.8	77.8	0.8	8.3	0.0	0.0	3.5	21.1	124.4
PS-37		5.0	15.0	5.0	20.0	0.8	8.3	5.0	30.0	2.8	16.7	120.0
PS-38		5.4	16.1	0.0	0:0	4.4	43.8	2.0	30.0	4.3	25.5	115.4
PS-39		5.4	16.1	0.0	0.0	1.3	13.3	10.0	0.09	4.2	25.0	114.3
PS-40	E Bruce St-5 Mason St-Federal St Ni Maja St Ni Mason St Charles St	0.0	1/.1	8.2	8./2	1.0	10.1	0.0	30.0	8. 7	28.9	113.9
PS-42		5.7	17.1	0.0	0:0	1.9	19.3	5.0	30.0	6.9	41.6	108.1
PS-43		0.0	0.0	2.8	27.8	0.8	8.3	5.0	30.0	6.9	41.6	107.8
PS-44		0.4	1.1	0.0	0.0	4.4	43.6	5.0	30.0	5.1	30.5	105.2

	Prioritization S <sub>core</sub>	104.6	104.3	104.1	100.8	6.86	97.1	96.5	94.9	94.4	93.2	93.1	7.06	6.68	88.8	88.2	85.8	80.5	80.1	78.2	75.6	75.5	74.4	73.8	69.4	6.99	62.1	62.1	60.5	59.4	57.2	48.8	41.7	34.0
	Equity - Weighted score	18.9	31.6	46.1	27.8	27.8	21.1	39.4	39.4	55.0	52.8	37.2	32.8	41.7	34.4	33.3	29.4	28.3	37.2	22.8	21.1	21.1	21.1	34.4	30.0	26.1	36.6	36.6	21.1	51.1	42.2	32.2	18.3	23.3
	Equity - score	3.1	5.3	7.7	4.6	4.6	3.5	9.9	9.9	9.2	8.8	6.2	5.5	6.9	5.7	5.6	4.9	4.7	6.2	3.8	3.5	3.5	3.5	5.7	5.0	4.4	6.1	6.1	3.5	8.5	7.0	5.4	3.1	3.9
	Connectivity - weighted score	60.0	0.09	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	0.0	30.0	30.0	30.0	30.0	0.0	30.0	30.0	0.0	0.0	0.0	30.0	0.0	0:0	0.0	0.0	0.0
	Connectivity - score	10.0	10.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	0.0	5.0	5.0	5.0	5.0	0.0	5.0	5.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0
	Existing Conditions - weighted score	9.7	12.7	9.8	15.2	12.3	29.9	8.8	8.3	8.3	8.3	8.8	10.8	18.2	8.3	8.8	10.3	8.3	9.7	8.3	9.5	8.3	8.3	8.3	8.3	13.0	8.3	8.3	8.3	8.3	0.0	16.6	8.3	10.7
y Rank	Existing Conditions - Score	1.0	1.3	1.0	1.5	1.2	3.0	6.0	0.8	0.8	0.8	6.0	1.1	1.8	0.8	6.0	1.0	0.8	1.0	0.8	6.0	0.8	0.8	0.8	0.8	1.3	0.8	0.8	0.8	0.8	0:0	1.7	0.8	1.1
rans Priorit	Constraints - weighted score	0.0	0.0	0.0	27.8	27.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.8	0.0	0.0	0.0	0.0	27.8	0.0	0.0	27.8	0.0	0.0	0.0	0:0	0.0	0.0	0.0	0.0
I) - ActiveT	Stakeholder Input - Weighted score Constraints - score	0.0	0.0	0.0	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	2.8	0.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
(continued		16.1	0.0	18.2	0.0	1.1	16.1	18.2	17.1	1.1	2.1	17.1	17.1	0.0	16.1	16.1	16.1	16.1	3.2	17.1	15.0	16.1	17.1	1.1	1.1	0.0	17.1	17.1	1.1	0.0	15.0	0.0	15.0	0.0
EGMENTS	Stakeholder Input - score	5.4	0.0	6.1	0.0	0.4	5.4	6.1	5.7	0.4	0.7	5.7	5.7	0.0	5.4	5.4	5.4	5.4	1.1	5.7	5.0	5.4	5.7	0.4	0.4	0.0	5.7	5.7	0.4	0.0	2.0	0.0	5.0	0.0
PEDESTRIAN SEGMENTS (continued) - ActiveTrans Priority Rank	ID LOCATION	PS-45 S Dogwood Dr-W Market St-Hidden Creek Ln	PS-46 E Wolfe St-Sterling St-Vine St	PS-47 Ott St-Franklin St-E Water St	PS-48 South Ave-RR Tracks Closest to S High St	PS-49 Park Rd-Mt Clinton Pk-Harmony Dr	PS-50 Waterman Dr-W Market St-Chicago Ave		PS-52 Myers Ave-Paul St-Mountain View Dr	PS-53 Harkins St-Reservoir St-E Market St	PS-54 Paul St-MLK Jr Way-Duke Dr	PS-55 Mountain View Dr-MLK Jr Way-S Carlton St	PS-56 W Wolfe St-N High St-N liberty St	PS-57 Reservoir St- Long Ave-Myers Ave	PS-58 Greystone St-Smith Ave-Chicago Ave	PS-59 Ott St- E Grattan St-Franklin St	PS-60 Sterling St-E Market St-E Elizabeth St	PS-61 Pear St-Erikson Ave-Pleasant Hill Rd	PS-62 Paul St-Myers Ave-MLK Jr Way	PS-63 Stuart St-Taliaferro Dr-3rd St	PS-64 N Willow St-W Gay St-2nd St	PS-65 3rd St-Stuart St-N Dogwood Dr	PS-66 Smith Ave-Existing Sidewalk-Mt. Clinton Pike	PS-67 Greystone St (Complete)	PS-68 Jefferson St-Charles St-W Washington St	PS-69 Pear St-W Mosby Rd-Ruby Dr		PS-71 Shenandoah St-College Ave-Chicago Ave	PS-72 S Willow St-W Market St-JMU Entrance	PS-73 Effinger St-Sterling St-Broad St	PS-74 Myrtle St-E Washington St-Kelley St	PS-75 Mt Clinton Pk-West City Limits-Chicago ave	- 1	PS-77 Parkwood Dr-Virginia Ave-Park Rd

ID LOCATION	Stakeholder Input - score	Stakeholder Input - weighted score	Constraints - <sup>SCOre</sup> Gonstrainte	Constraints - Weighted score Existing Conditions - score	Existing Conditions - Weighted score	Connectivity - score	Connectivity - weighted score	equity - score	Equity - Weighted score	Porioritization Score
Pl-1 Port Republic Rd & S Main St	5.0	15.0 5.0	920.0	7.2	72.2	10.0	0.09	7.2	43.3	240.5
PI-2 N Main St & Gay St	8.0				29.8	10.0	0.09	7.7	46.1	209.9
PI-3 Peach Grove Ave & Lois Ln	0.0				40.7	10.0	0.09	7.6	45.5	196.2
PI-4 S Main St & Pointe Dr	0.0	0.0		4.8	48.0	2.0	30.0	5.8	35.0	190.8
PI-5 S High St & W Water St	0.0			6.5	65.1	10.0	0.09	5.4	32.2	185.1
PI-6 S High St & Pear St	0.0				41.2	10.0	0.09	5.5	32.8	184.0
PI-7 S Liberty St & W Water St	8.0				35.9	10.0	0.09	5.6	33.9	181.5
	0.0	0.0 5.0	) 50.0		68.7	5.0	30.0	5.1	30.5	179.2
	5.0				49.2	10.0	0.09	4.3	25.5	177.5
	8.0			5.5	55.5	10.0	0.09	6.3	37.8	177.2
	0.0	0.0			49.1	10.0	0.09	6.3	37.8	174.6
	8.0				40.6	10.0	0.09	3.4	20.5	172.9
	0.0				42.9	10.0	0.09	6.7	40.0	170.7
	2.0			5.5	55.0	2.0	30.0	3.9	23.3	164.3
	8.0				26.3	10.0	0.09	8.1	48.3	158.7
	2.0				46.2	10.0	0.09	7.7	46.1	158.3
	0.0				52.7	10.0	0.09	7.6	45.5	158.2
	5.0				29.9	10.0	0.09	3.5	21.1	153.8
	0.0				47.2	2.0	30.0	7.2	43.3	148.3
	0.0		0.0	4.9	48.9	10.0	60.0	6.5	38.9	147.8
	8.0				28.2	10.0	60.0	5.5	32.8	145.0
	0.0				27.0	10.0	60.0	9.2	55.0	142.0
	0.0				53.0	10.0	90.0	4.6	27.8	140.8
	0.0				46.4	0.2	30.0	5.1	30.5	134.8
	0.0			9.0	68.7	5.0	30.0	5.1	30.5	129.2
	1.0				50.3	5.0	30.0	7.1	42.8	126.1
	0:0				50.3	5.0	30.0	8.7	16.7	124.7
	0.0		3 27.8	4.3	43.1	5.0	30.0	3.9	23.3	124.2
	0.0				29.8	5.0	30.0	5.6	33.9	121.5
	8.0	24.0 0.0			45.5	5.0	30.0	3.5	21.1	120.6
- 1	0.0				15.9	5.0	30.0	3.5	21.1	117.0
	0.0	0.0 2.8			18.3	5.0	30.0	5.0	30.0	106.0
	0.0			3.9	39.4	5.0	30.0	5.3	31.6	101.0
	0.0			3.8	38.2	0:0	0:0	1.6	9.4	97.6
	0.9			1.9	19.3	5.0	30.0	5.0	30.0	97.3
	0.0	0.0 0.0	0.0	3.0	30.0	5.0	30.0	6.1	36.6	96.6
	0.0			3.6	36.0	5.0	30.0	5.0	30.0	96.0
PI-38 Mt Clinton Pk & Summit Ave	0.0	0.0	0:0	1.6	16.2	0:0	0.0	3.1	18.9	35.1

LOCATION	Stakeholder Input - score	Stakeholder Input - Weighted Score	Onstraints - <sup>SCO</sup> re	Constraints - weighted score	Existing Conditions - score	Existing Conditions - Weighted score	Connectivity - score	Connectivity - weighted score	Equity - score	Equity - Weighted score	Prioritization Score
Early Rd (Pleasant Valley Rd to SCL)	0.0	0.0	10.0	100.0	10.0	100.0	5.0	30.0	1.6	9.4	239.4
Erickson Ave (Garbers Church Rd to Erickson Ave Phase I)	7.1	21.4	5.0	50.0	10.0	100.0	10.0	0.09	8.0	5.0	236.4
E Market St (Mason St to Reservoir St)	5.0	15.0	0.0	0.0	10.0	100.0	10.0	0.09	10.0	0.09	235.0
Res. St (Neff Ave to E Market St)	6.4	19.3	0.0	0.0	10.0	100.0	10.0	0.09	9.5	55.0	234.3
MLK (Mason St to East Market St)	7.1	21.4	0.0	0.0	10.0	100.0	10.0	0.09	8.1	48.3	229.7
Waterman Dr (W Market St to Chicago Ave)	5.7	17.1	2.5	25.0	10.0	100.0	10.0	0.09	3.5	21.1	223.2
University Blvd (Carrier Dr to E Market St)	7.9	23.6	0.0	0.0	10.0	100.0	10.0	0.09	6.5	38.9	222.4
Reservoir St (Neff Ave to SCL)	7.1	21.4	0.0	0.0	10.0	100.0	10.0	0.09	6.5	38.9	220.3
S High (Erickson Ave to Rockingham Square Shopping Center)	0.0	0.0	2.5	25.0	10.0	100.0	10.0	0.09	5.8	35.0	220.0
	10.0	30.0	5.0	50.0	5.0	50.0	10.0	0.09	4.9	29.4	219.4
Erickson Ave (WCL to Garbers Church Rd)	0.0	0.0	5.0	50.0	10.0	100.0	10.0	0.09	1.2	7.2	217.2
E Market St (Reservoir St to Vine St)	5.0	15.0	0.0	0.0	10.0	100.0	10.0	0.09	6.9	41.7	216.7
S High St (Erickson Ave to Garbers Crosssing Shopping Center)	0.0	0.0	2.5	25.0	10.0	100.0	10.0	0.09	5.1	30.5	215.5
Greendale Rd (Complete road)	5.0	15.0	2.5	25.0	10.0	100.0	10.0	0.09	2.3	13.9	213.9
Evelyn Byrd Ave (Res. St to E Market St)	6.4	19.3	0.0	0.0	10.0	100.0	10.0	0.09	5.4	32.2	211.5
MLK extended (E Market to Country Club)	5.0	15.0	0.0	0.0	10.0	100.0	10.0	0.09	3.6	21.7	196.7
Port Republic (Forest Hill to Bluestone Dr)	2.1	6.4	2.5	25.0	10.0	100.0	2.0	30.0	5.3	31.7	193.1
N Liberty St (Harrrisonburg City Limit to Mt Clinton Pike)	5.0	15.0	0.0	0.0	10.0	100.0	10.0	0.09	2.0	12.2	187.2
N Liberty St (Rock St to W Market St)	5.7	17.1	7.5	75.0	0.0	0.0	10.0	0.09	5.1	30.5	182.7
Keezletown Rd (Country Club Rd to ECL)	5.0	15.0	2.5	25.0	10.0	100.0	5.0	30.0	2.0	12.2	182.2
Pleasant Valley Rd (Complete road)	5.7	17.1	2.5	25.0	10.0	100.0	5.0	30.0	1.6	9.4	181.6
Pear St (Erickson Ave to Pleasant Hill Road)	5.0	15.0	2.5	25.0	5.0	20.0	10.0	0.09	4.7	28.3	178.3
S Liberty St (West Market to MLK)	5.7	17.1	5.0	50.0	0.0	0.0	10.0	0.09	7.1	42.8	169.9
Peach Grove Ave (Complete road)	5.7	17.1	0.0	0.0	5.0	50.0	10.0	0.09	6.5	38.9	166.0
Maryland Ave (S High St to S Main St)	5.7	17.1	0.0	0.0	5.0	20.0	10.0	0.09	6.5	38.9	166.0
Switchboard Rd (W Market St to NCL)	5.0	15.0	0.0	0:0	10.0	100.0	5.0	30.0	3.1	18.9	163.9
Chicago Ave (Mt. Clinton Pike to Rock. Dr)	8.6	25.7	0.0	0.0	5.0	50.0	10.0	0.09	4.6	27.8	163.5
Devon Ln/Lois Ln (Peach Grove Ave to east of Squire Hill)	5.0	15.0	0.0	0.0	5.0	20.0	10.0	0.09	4.2	25.0	150.0
Mason St (N Main St to MLK)	6.4	19.3	0.0	0.0	0.0	0.0	10.0	0.09	10.0	0.09	139.3
Mt Clinton (WCL to Chicago Ave/Park Rd)	0.0	0.0	0.0	0.0	5.0	50.0	10.0	0.09	4.6	27.8	137.8
N Main St (Wolfe St to Gay St)	5.0	15.0	0.0	0.0	0.0	0.0	10.0	0.09	8.9	53.3	128.3
Pleasant Hill Rd (Complete road)	6.4	19.3	0.0	0.0	0.0	0.0	10.0	0.09	6.2	37.2	116.5
W Grace St (S High St to S Main St)	6.4	19.3	0.0	0.0	0.0	0.0	10.0	0.09	6.1	36.6	115.9
S Main St (MLK to Campbell St)	5.0	15.0	0.0	0.0	0.0	0.0	10.0	0.09	6.3	37.8	112.8
Gay St (Chicago Ave to Broad St)	0.0	0:0	0.0	0.0	0.0	0.0	10.0	0.09	8.1	48.9	108.9
E Wash St (N Main St to Vine St)	5.0	15.0	0.0	0.0	0.0	0.0	10.0	0.09	5.6	33.9	108.9
Damplamond Dd (Complete mad)	0								-		

	Prioritisation S <sub>OO</sub> CO	e,	ı.i	6.	4	,		i w	7	ű.	5.	2) -	0	4	6.	.7	wi	7.		7.	.1	<u>س</u> ،	ξ. 4	6	8	9	7	ا أن	وأ د	1 0	9.	.7	λ.	6,	7.	ri e	عاً وا	
		229.3	195.5	187.9	185	182.7	180.7	176.3	175.2	167.3	163.5	160.1	160.0	155.4	152.9	151.7	151.3	150.7	147.7	147.7	147.1	144.3	138.4	136.9	136.8	136.3	134.7	131.9	131.9	127.9	124.6	117.7	117.5	116.9	109.7	102.5	101.9	79.9
	Equity - Weighted score	55.0	38.3	38.9	57.8	34.4	34.4	32.2	42.8	22.8	43.3	36.6	16.1	16.1	22.8	30.0	16.1	20.5	40.5	41.1	45.5	38.9	12.2	16.1	27.8	16.1	30.0	31.7	33.9	16.1	16.1	34.4	16.1	16.1	16.1	36.6	29.4	28.9
	Equity - score	9.2	6.4	6.5	9.6	7.5	7.0	5.4	7.1	3.8	7.2	6.7	2.7	2.7	3.8	5.0	2.7	3.4	6.8	6.8	7.6	6.5	3.1	2.7	4.6	2.7	5.0	5.3	5.6	2.7	2.7	5.7	2.7	2.7	2.7	6.1	2.7	4.8
	Connectivity - Weighted score	0.09	20.0	0.09	0.09	60.0	90.0	40.0	0.09	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	0.09	40.0	40.0	40.0	40.0	40.04	40.0	40.0	40.0	40.0	20.0	40.0	40.0	40.0	40.0	20.0	20.0	20.0	20.0	40.0	20.0
	Onnectivity - score	10.0	3.3	10.0	10.0	10.0	10.0	6.7	10.0	6.7	6.7	10.0	6.7	6.7	6.7	6.7	6.7	10.0	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	3.3	6.7	6.7	6.7	6.7	3.3	3.3	3.3	3.3	6.7	3.3
	Existing Conditions - Weighted score	70.3	58.8	59.1	45.5	55.5	6 8 9	53.5	55.1	39.0	29.6	46.7	53.3	52.3	39.0	61.9	29.6	53.4	38.8	38.2	32.6	37.1	40.4	29.6	40.7	29.6	64.1	29.6	29.6	50.2	51.7	43.3	30.8	29.6	29.6	29.6	31.3	30.4
	Existing Conditions - score	7.0	5.9	5.9	4.5	5.5	1.0	5.4	5.5	3.9	3.0	4.7 8.7	5.3	5.2	3.9	6.2	3.0	5.3	3.9	3.8	3.3	3.7	4.0	3.0	4.1	3.0	6.4	3.0	3.0	5.0	5.2	4.3	3.1	3.0	3.0	3.0	3.1	3.0
y Rank	Constraints - weighted score	27.8	77.8	0.0	0.0	0.0	0.00	50.0	0.0	20.0	50.0	0.0	50.0	27.8	20.0	0.0	20.0	0.0	27.8	27.8	27.8	27.8	0.0	50.0	27.8	20.0	0:0	50.0	27.8	0:0	0.0	0.0	20.0	20.0	27.8	0.0	27.8	0.0
ans Priorit	Constraints - score	2.8	7.8	0.0	0.0	0:0	0.0	5.0	0.0	2.0	5.0	0.0	5.0	2.8	2.0	0:0	2.0	0.0	2.8	2.8	2.8	2.8	0.0	5.0	2.8	2.0	0:0	5.0	2.8	0.0	0.0	0.0	5.0	5.0	2.8	0.0	0.0	0:0
- ActiveTr	Stakeholder Input - weighted score	16.2	9.0	30.0	22.2	22.2	0.4.0	0.6	17.4	15.6	0.6	16.2	0.6	19.2	1.2	19.8	15.6	16.8	0.6	9.0	1.2	9.0	18.0	1.2	9.0	9.0	9.0	9.0	9.6	21.6	16.8	0.0	9.0	1.2	16.2	16.2	1.2	0.6
SHARED USE PATHS - ActiveTrans Priority Rank	Stakeholder Input - score	5.4	0.2	10.0	7.4	7.4	0.1	0.2	5.8	5.2	0.2	5.4	0.2	6.4	0.4	9.9	5.2	5.6	0.2	0.2	0.4	0.2	9.4	0.4	0.2	0.2	0.2	0.7	0.5	7.2	5.6	0.0	0.2	0.4	5.4	5.4	6.0	0.2
SHARED	LOCATION	SU-1 Norfolk Southern Rail Line	SU-2 Trail Connection: Walnut Ln-MLK Jr Way	SU-3 Bluestone Trail/Northend Greenway Connection/Mt Clinton Pk: Park Rd-Virginia Ave		SU-5 Bluestone Trail/Northend Greenway Connection: Downtown (Downtown Farmers Market-MLK Jr Way) SU-5 Market Str FCI - Iniversity Blvd			SU-9 Old Furnance Rd: Vine St-Smithland Rd			50-12 Bluestone Trail/Northend Greenway Connection: JMU (MLK Jr Way-Port Republic Rd) ST-13 Bluestone Trail/Northend Greenway Connection: North End Greenway (Virginia Ave-N Main St)	Trail Connection: S Dogwood Dr-Erickson Ave					SU-19 Garbers Church Rd: Erickson Ave-heritage Center Way		l.	SU-23 Trail Connection: Warsaw Ave-Ohio Ave/New York Ave		50-25 Linda Lin. E Mai Ret St-Countly Club Rd S1L26 Smithland Rd: Old Eurnance Rd:Stip at Smithland Socrer Fields		SU-28 Trail Connection: Maryland Ave-W Grace St				5U-32 Trail Connection: Woodleigh Ct Terminus-Mt Clinton Pk								SU-41 Irail Connection: Bluestone Irail-Kamblewood Park/Greendale Kd SU-42 Trail Connection(Cale Trail):Westover Park-THMS	