

CITY OF CHARLOTTESVILLE  
"A World Class City"

**Department of Neighborhood Development Services**

City Hall Post Office Box 911  
Charlottesville, Virginia 22902  
Telephone 434-970-3182  
Fax 434-970-3359  
[www.charlottesville.org](http://www.charlottesville.org)



May19, 2014

**TO: Charlottesville Planning Commission, Neighborhood Associations &  
News Media**

# Please Take Notice

A Work Session of the Charlottesville Planning Commission will be held on **Tuesday May 27, 2014 at 5:00 p.m. in the NDS Conference Room in City Hall (610 East Market Street).**

## AGENDA

1. Update on Long Range Transportation Plan

At 5:25, the Commission will move to CitySpace (100 5<sup>th</sup> Street NE) for the following:

Design Charette on City Street Design

5:30-6:30 – Presentation by Ian Lockwood on the topic of Livable Streets.

6:30-7:30 – Planning Commission Stakeholder Meeting

cc: City Council  
Maurice Jones  
Aubrey Watts  
Jim Tolbert  
Neighborhood Planners  
Melissa Thackston, Kathy McHugh  
Mary Joy Scala  
Craig Brown, Lisa Robertson



## Charlottesville-Albemarle Metropolitan Planning Organization

POB 1505, 401 E. Water St, Charlottesville, VA 22902 [www.tjpd.org](http://www.tjpd.org)

(434) 979-7310 phone • (434) 979-1597 fax • [info@tjpd.org](mailto:info@tjpd.org) email

---

### Memorandum

To: City of Charlottesville Planning Commission  
From: Sarah Rhodes, MPO Program Manager  
Date: May 19<sup>th</sup> 2014  
Re: 2040 LRTP: Process Update

**Purpose:** To provide the City of Charlottesville Planning Commission with an update on the Charlottesville-Albemarle Metropolitan Planning Organization's (MPO) 2040 Long Range Transportation Plan (LRTP).

**Background:** Since October 2012 the Charlottesville-Albemarle Metropolitan Planning Organization has been developing its 2040 Long Range Transportation Plan (LRTP). Long Range Transportation Plans are federally-mandated documents that outline a region's future transportation vision and include a list of projects for achieving that vision. This plan update will replace the existing Long Range Transportation Plan, the 2035 United Jefferson Area Mobility (UnJAM 2035) Plan.

The 2040 LRTP has an anticipated approval date of May 28<sup>th</sup> 2014 by the MPO Policy Board. All information about the 2040 LRTP can be found on the Plan's website

<http://www.tjpd.org/LRTP/index.asp>

**Summary:** The 2040 LRTP is now in its final phase for completion. The first public hearing for the plan was held on March 26<sup>th</sup> 2014. The final public hearing will be held on May 28<sup>th</sup> 2014. The plan document is available for review and MPO staff will continue to incorporate edits into the document until May 21<sup>st</sup>. The document can be found on the website noted above.

The 2040 LRTP, as it is currently structured, includes the US 29 Western Bypass project. Throughout the LRTP process this project was fully-funded in the state's Six Year Improvement Program (SYIP). Due to this status, the Western Bypass and other projects in the SYIP were included in the MPO's 2040 LRTP as base improvements.

Due to recent events surrounding the US 29 Western Bypass, there is a degree of uncertainty regarding the region's future transportation vision. At this time the MPO's decision-making body, the MPO Policy Board, has elected to continue forward with the 2040 LRTP as it is currently structured, in order to meet the May 28<sup>th</sup> deadline for renewing the 2040 LRTP. However, MPO staff and the MPO Policy Board realize that the 2040 LRTP will need to be reevaluated once the approach to improving the US 29 Corridor is more developed through the Route 29 Solutions process ([http://www.virginiadot.org/projects/route\\_29\\_feedback.asp](http://www.virginiadot.org/projects/route_29_feedback.asp)) and any subsequent action has been taken by the Commonwealth Transportation Board.

Once the approach to improving congestion and mobility in the US 29 corridor is better defined, MPO staff will begin working with its MPO committees to develop a method for addressing these issues in the 2040 LRTP document. The approach will be discussed during the May 2014 meeting cycle.

**Recommendation:** At this time the MPO is not asking for any action from the Planning Commission regarding this plan.

**Attachments:** Included with this memo is the fiscally-constrained and visioning project list for the 2040 LRTP. It should be noted that this list is still undergoing formatting revisions. While the project information is final, some additional notes and information are likely to be added.



Charlottesville/Albemarle MPO  
**Long Range Transportation Plan**

# ***Appendix A***

## ***Constrained Long Range Project (CLRP) and Visioning Lists***

*Charlottesville-Albemarle Metropolitan Planning Organization*

*Thomas Jefferson Planning District Commission*



## Constrained Long Range Project (CLRP) List - Guide Sheet

① ID	② Name	③ Description	④ Purpose	⑤ Phase	⑥ YOE Term	⑦ TOTAL (Inflated to YOE)	⑧ Remarks / Comments
12	Berkmar Drive Extended (Rte 1403)	Extend existing roadway from current northern terminus of Hilton Heights Road over the South Fork of the Rivanna River to the North Fork of the Rivanna River. Includes bike and pedestrian facilities.	Alternate Route, Increase Connectivity	Preliminary Engineering Only	S	\$296,000	UnJAM 2035 ID: N-1
						<b>⑨ Total Cost</b>	<b>\$296,000</b>
						<b>⑩ TOTAL COST LRTP FISCALLY-CONSTRAINED</b>	<b>\$296,000</b>

- ① Identification number assigned for the LRTP 2040
- ② Project name used to identify the improvements to be covered under obligated funds
- ③ Details on location, jurisdiction, and specific improvements to be made under this project
- ④ Main goals or objectives for this project
- ⑤ Which stages of the project are covered by funding (e.g. preliminary engineering, right of way, or construction)
- ⑥ Specifies whether the funding allocated assumes the project will be completed in the short, mid, or long term (represented by S, M, and L, respectively)
- ⑦ Existing estimate adjusted for inflation based on the Year of Expenditure (YOE) Term. The longer the project takes to be implemented, the higher the cost will be, due to inflation (Project cost is also affected by implementation phasing)
- ⑧ Additional details including identification numbers assigned for the UnJAM 2035 LRTP if the project was included in that plan or indicate if the project is a priority for VDOT (Includes other general project notes)
- ⑨ Subtotal cost for the above category of projects
- ⑩ Total fiscally-constrained cost for all projects within a particular mode of transportation (e.g. Roadways)

## SIX YEAR IMPROVEMENT PROGRAM (SYIP) PROJECTS\*

ID	Name	Description	Purpose	Total Cost	Remarks/Comments
----	------	-------------	---------	------------	------------------

### ROADWAY PROJECTS

#### Improvement Projects

SR1	<b>US 29 Widening</b>	Complete widening to 6 lanes between Ashwood Blvd. to Town Center Drive.	Improve Safety / Operations and Increase Capacity	\$32,573,000	UnJAM 2035 ID: I-5
SR2	<b>Rte 29/250 Bypass Interchange Improvements</b>	Add third southbound lane on US 29 and add an additional ramp lane at Best Buy.	Improve Safety and Operations	\$11,150,000	UnJAM 2035 ID: I-10
SR3	<b>Route US29 - Fontaine Ave</b>	Roadway improvements, add bicycle lanes and sidewalks	Improve Safety and Operations	\$1,021,000	Previous PE work has been done on this project. Current Status is inactive. Need input on this project from the City. UnJAM 2035 ID: I-2

<b>TOTAL COST</b>	<b>\$44,744,000</b>
-------------------	---------------------

#### New Construction Projects

SR4	<b>Route 29 Bypass</b>	New limited access 4 lane divided Bypass road with southern terminus begin at 29/250 Bypass and northern terminus at 29 south of Ashwood Blvd.	Alternate Route, Increase Connectivity	\$244,594,000	UnJAM 2035 ID: N-6. This project is currently being reevaluated as part of the Route 29 Solutions process.
SR5	<b>US 250 / McIntire Rd (Rte 3405)</b>	Construct grade-separated interchange.	Alternate Route, Increase Connectivity	\$34,473,000	UnJAM 2035 ID: N-5
SR6	<b>Hillsdale Drive Extended (Rte 1427)</b>	Add new roadway from southern terminus of existing Hillsdale (at Greenbrier) to Hydraulic Road.	Alternative Route, Increase Connectivity	\$13,670,000	UnJAM 2035 ID: N-2

<b>TOTAL COST</b>	<b>\$292,737,000</b>
-------------------	----------------------

### BRIDGE PROJECTS

#### Replace Facility

SB1	<b>9th Street (Route 20)</b>	Bridge replacement over CSX Railroad and Water Street.	Replace existing bridge	\$14,465,713	VDOT Priority, UnJAM 2035 ID: I-17
SB2	<b>Dry Bridge Rd. (708)</b>	Bridge replacement over Buckingham Branch RR in Albemarle County.	Replace existing bridge	\$4,393,000	VDOT Priority, UnJAM 2035 ID: I-24
SB3	<b>Broomley Rd. (677)</b>	Bridge replacement over Buckingham Branch RR in Albemarle County.	Replace existing bridge	\$4,677,000	VDOT Priority, UnJAM 2035 ID: I-25
SB4	<b>Black Cat Rd. (616)</b>	Bridge replacement over Buckingham Branch RR in Albemarle County.	Replace existing bridge	\$3,736,000	VDOT Priority, UnJAM 2035 ID: I-26
SB5	<b>Dick Woods Rd. (637)</b>	Bridge replacement over Ivy Creek in Albemarle County.	Replace existing bridge	\$2,458,000	VDOT Priority, UnJAM 2035 ID: I-27
SB6	<b>Frays Mills Rd. (641)</b>	Bridge replacement over Marsh Run in Albemarle County.	Replace existing bridge	\$2,698,000	VDOT Priority, UnJAM 2035 ID: I-28
SB7	<b>Ivy Rd. (US 250)</b>	Bridge replacement over Little Ivy Creek in Albemarle County.	Replace existing bridge	\$2,918,000	VDOT Priority
SB8	<b>Fontaine Ave. Ext. (702)</b>	Bridge replacement over Morey Creek in Albemarle County.	Replace existing bridge	\$2,741,000	VDOT Priority
SB9	<b>Dickerson Rd (606)</b>	Bridge replacement over North Fork Rivanna River in Albemarle County.	Replace existing bridge	\$5,066,121	VDOT Priority, UnJAM 2035 ID: I-18
SB10	<b>Jefferson Park Ave</b>	Bridge replacement over Norfolk/Southern Railroad in Charlottesville	Replace existing bridge	\$11,700,000	UNJAM 2035 ID: I-16

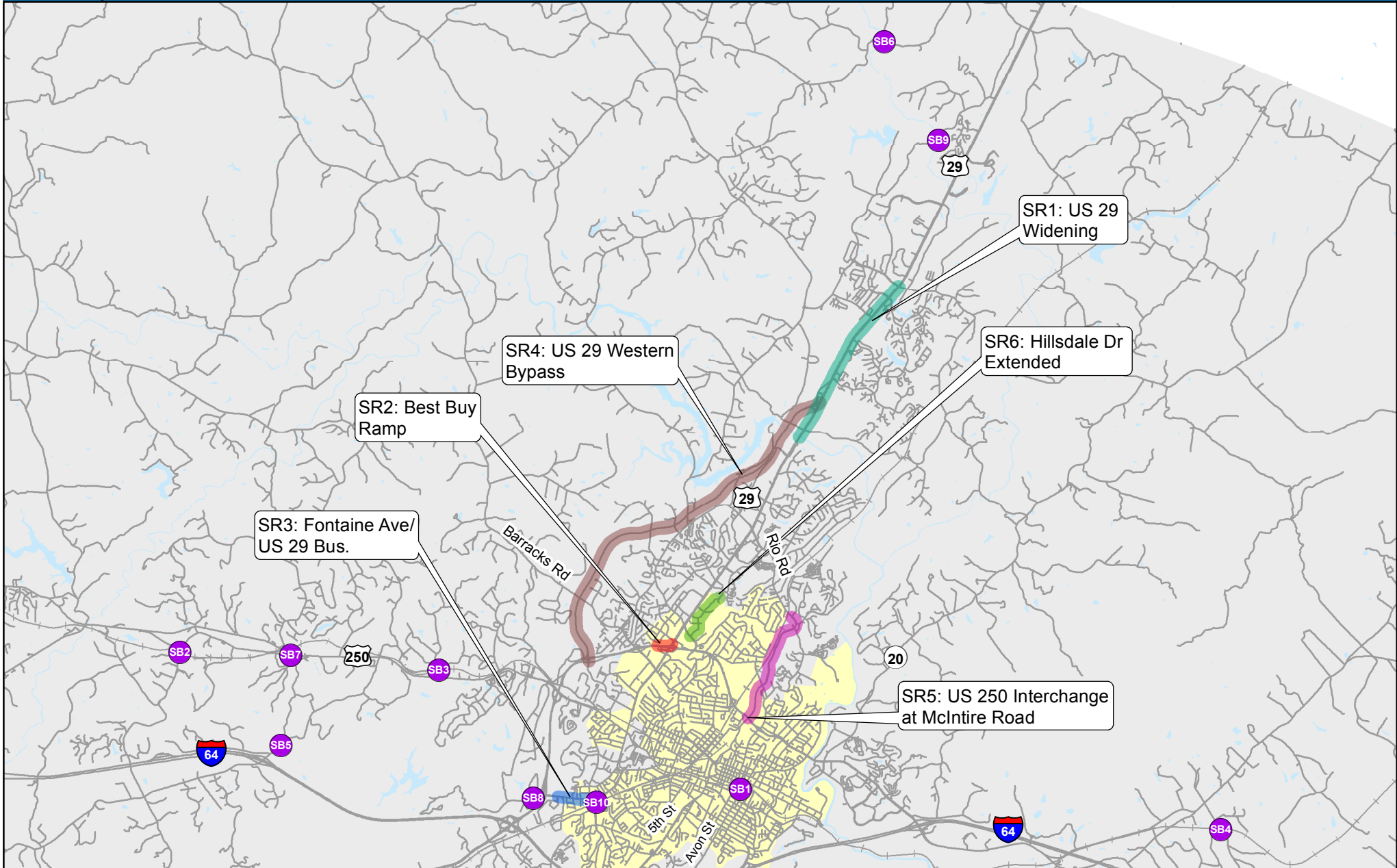
<b>TOTAL COST</b>	<b>\$54,852,834</b>
-------------------	---------------------

<b>All PROJECTS FULLY-FUNDED IN THE SYIP</b>	<b>\$392,333,834</b>
--	----------------------

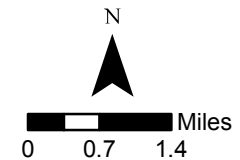
\*Projects in the SYIP are fully-funded and listed as part of the Commonwealth's transportation priorities. The road projects in this list were treated as committed projects throughout the 2040 LRTP process.



# Six Year Improvement Program Projects



- Rail
- Charlottesville
- Albemarle
- Waterbody
- Bridges - SYIP



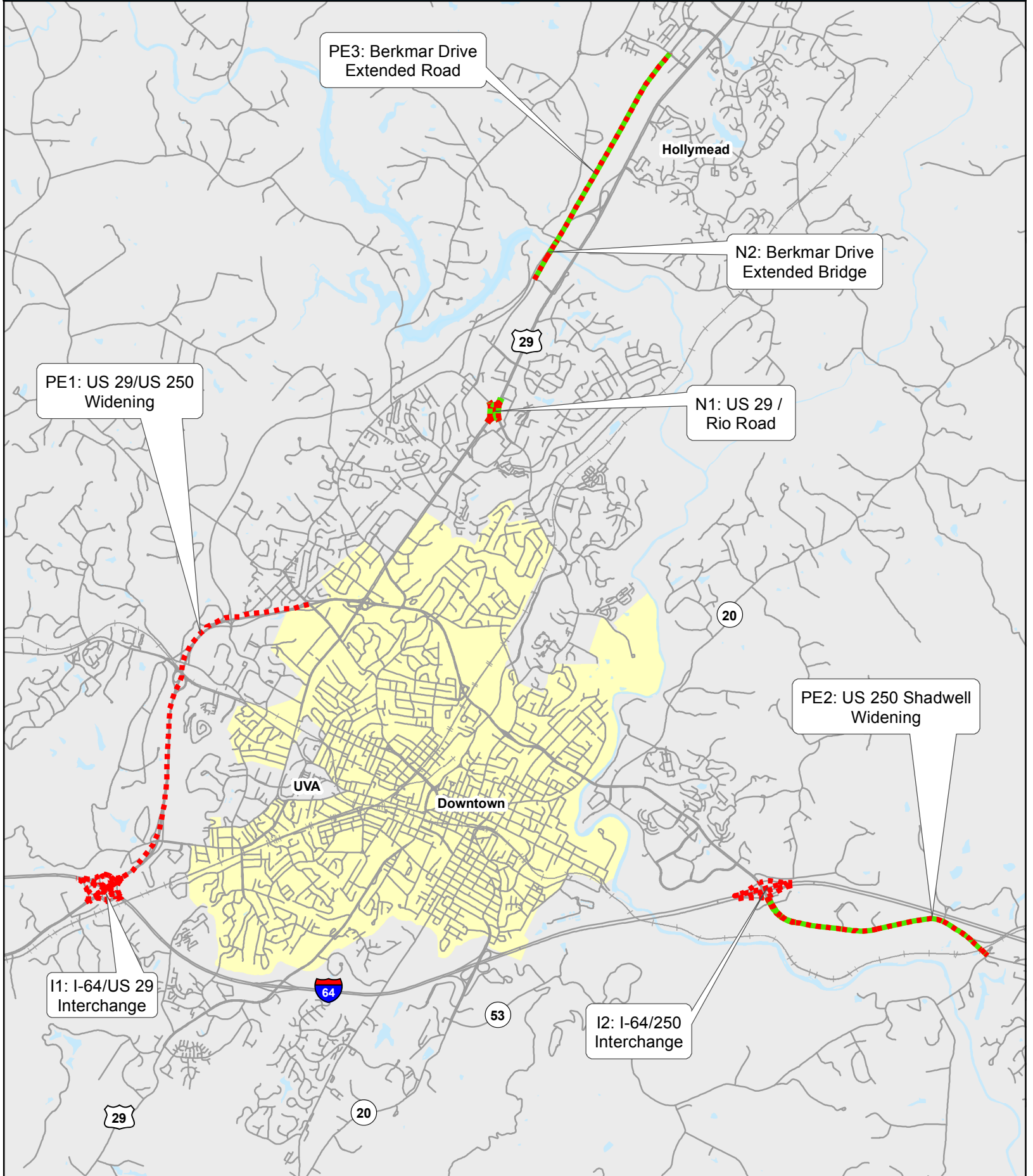


## ROADWAY PROJECTS

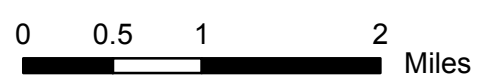
ID	Name	Description	Purpose	Phase	YOE Term	TOTAL (Inflated to YOE)	Remarks/Comments
<b>Improvement Projects</b>							
I1	<b>Interchange I-64 and US 29 (Exit 118)</b>	Full replacement of I-64/US 29 Interchange, includes some improvements to Fontaine Ave Interchange (not full replace, developer funding). Replacement both for capacity and safety.	Improve Safety / Operations and increase Capacity	Preliminary Engineering	S	\$9,752,000	UnJAM 2035 ID: I-12
				Right-of-Way	S	\$2,316,000	
				Construction	M	\$158,787,000	
				All		\$170,855,000	
I2	<b>Interchange I-64 and US 250 (Exit 124)</b>	Increase capacity and rebuild the interchange to be safer for higher volumes of traffic.	Improve Safety / Operations and increase Capacity	Preliminary Engineering	S	\$7,923,000	Project is not fully-funded due to limited funding availability.
				Right-of-Way	S	\$24,261,069	
	PE & RW Only		\$32,184,069				
		<b>Interchange I-64 and US 250 (Exit 124)</b>	Extension of left turn lanes on US 250 to I-64 (both sets). Possible proffers from MJH may assist with project costs.	Improve Safety / Operations	Interim Improvements	S	\$1,158,000
<b>TOTAL COST</b>						<b>\$204,197,069</b>	
<b>New Construction Projects</b>							
N1	<b>US 29 / Rio Road (Rte 631)</b>	Construct a grade-separated interchange to replace the current signalized intersection. Includes Bicycle and Pedestrian facilities.	Improve Safety / Operations and increase Capacity	Preliminary Engineering	S	\$6,948,000	UnJAM 2035 ID: I-6
				Right-of-Way	S	\$27,671,000	
				Construction	S	\$39,252,000	
				All		\$73,871,000	
N2	<b>Berkmar Drive Extended BRIDGE ONLY</b>	Build new road facility	Increase Connectivity	Preliminary Engineering	S	\$3,556,000	UnJAM 2035 ID: N-1
				Right-of-Way	M	\$6,807,000	
				Construction	M	\$24,196,000	
				All		\$34,559,000	
<b>TOTAL COST</b>						<b>\$108,430,069</b>	
<b>Preliminary Engineering Only</b>							
PE1	<b>US 29/250 Widening</b>	Widen to 6 lanes with median and includes replacement of the RR Bridge, other bridge improvements that would be required for this project are included on the bridges lists. The interchange improvements for the I-64 and US 29 interchange would also provide improvements between the I-64 interchange and the Fontaine Research Park Exit that would provide capacity along this corridor.	Improve Safety / Operations and increase Capacity	Preliminary Engineering Only	S	\$5,120,000	
PE2	<b>US 250 Shadwell Widening</b>	Widen to 4 lanes with median and include bicycle and pedestrian facilities. The required bridge widening along this corridor is included on the bridges project list.	Improve Safety / Operations, increase Capacity and provide Bike/Ped Facilities	Preliminary Engineering Only	S	\$2,072,000	
PE3	<b>Berkmar Drive Extended ROAD ONLY</b>	Extend existing roadway from current northern terminus of Hilton Heights Road over the South Fork of the Rivanna River to the North Fork of the Rivanna River. Includes bike and pedestrian facilities.	Alternate Route, Increase Connectivity	Preliminary Engineering Only	S	\$296,000	UnJAM 2035 ID: N-1
<b>TOTAL COST</b>						<b>\$7,192,000</b>	
<b>TOTAL COST LRTP FISCALLY-CONSTRAINED</b>						<b>\$319,819,138</b>	



# Roadway Projects



- Waterbody
- Charlottesville
- Albemarle
- Road Projects
- Projects with Bike/Ped
- Roads
- Rail

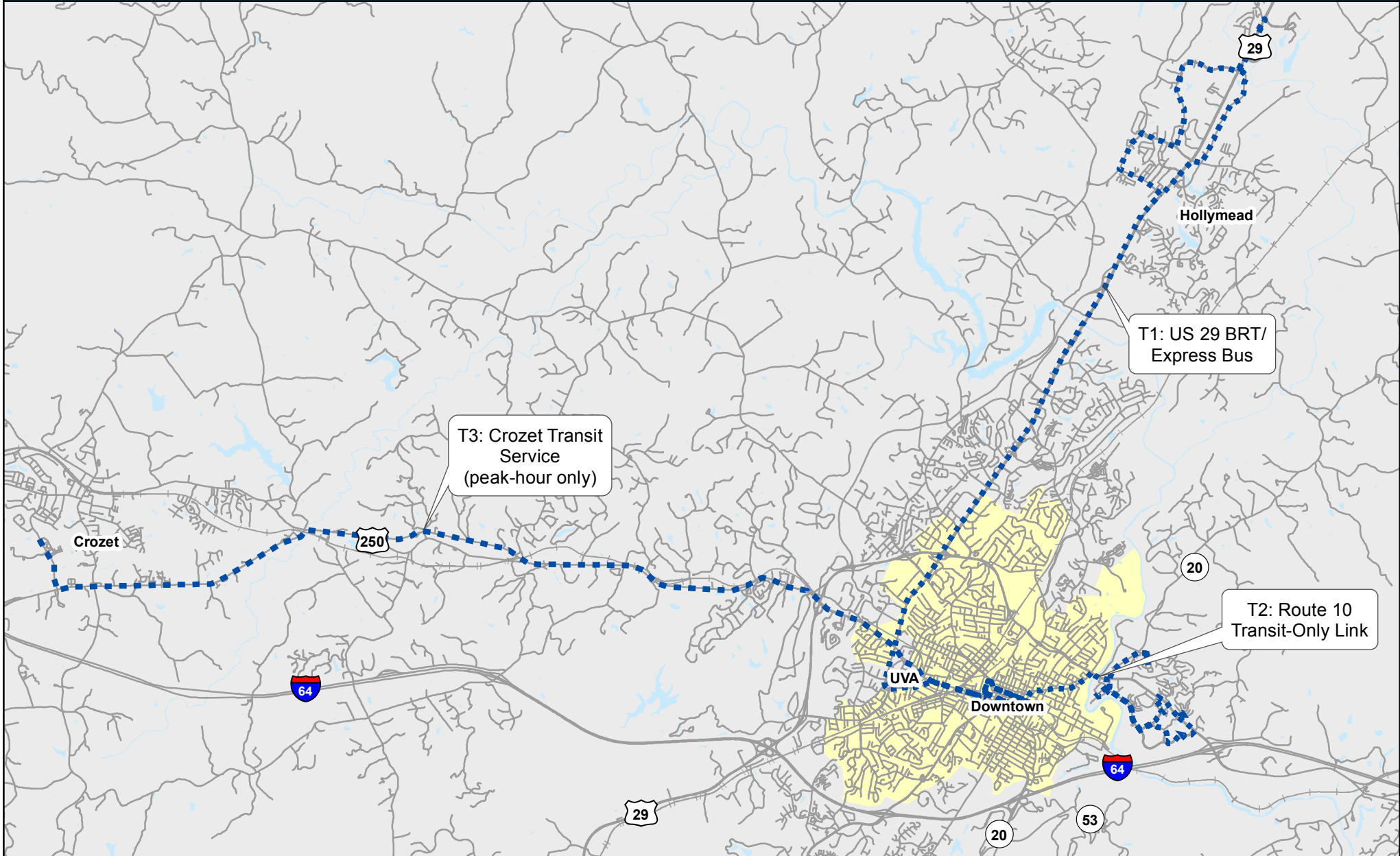


TRANSIT PROJECTS*							
ID	Name	Description	Purpose	Project Phase	YOE Term	TOTAL (Inflated to YOE)	Remarks/Comments
<b>Infrastructure Improvements</b>							
T1	<b>Transit-Focused US 29 and US 29 BRT/Express</b>	Reshape US 29 to allow for BRT rapid transit infrastructure, Bus Rapid Transit Service (between Downtown Charlottesville and the National Ground Intelligence Center), and increased bike and pedestrian infrastructure. The improvement would also include new signal preference technology to facilitate BRT and express bus.	New transit option, facilitates transit mobility	OPERATING (Six Years)	L	\$25,935,957	1) Includes signal preemption along the US 29 corridor and in key locations in town. Includes BRT stations at key locations along the corridor. 2) Costs for Bike and Pedestrian improvements are accounted for in bike and pedestrian section of the fiscally-constrained project list.
				CAPITAL (Initial Investment)	L	\$16,052,184	
				INFRASTRUCTURE (Initial Investment)	L	\$75,911,804	
				All		\$117,899,946	
T2	<b>Route 10: Transit-Only Link</b>	Increase headways on existing CAT Route 10 to 15 minutes during the peak hour and 30 minute off-peak. Also construct a transit-only link on US 250 and existing Free Bridge (adding a lane) that would allow the buses to avoid transit congestion at that location.	Improved transit option, facilitates transit mobility	OPERATING (Six Years)	M	\$1,909,109	Includes bike and pedestrian improvements. Includes signal preemption at High Street and US 250 and Stony Point Road and US 250.
				CAPITAL (Initial Investment)	M	\$2,038,278	
				INFRASTRUCTURE (Initial Investment)	M	\$10,202,719	
				All		\$14,150,106	
<b>New Service Only</b>							
T3	<b>Crozet Transit Link</b>	Transit service connecting Crozet and Downtown Charlottesville. Service would only occur during peak-hours (7am to 10 am) and (4pm to 7pm). Service would run on 30-minute headways.	New transit option	OPERATING (Six Years)	S	\$8,359,758	
				CAPITAL (Initial Investment)	S	\$3,312,741	
				INFRASTRUCTURE (Initial Investment)	none	\$0	
				All		\$11,672,499	
<b>TRANSIT PRIORITIES</b>						<b>\$143,722,551</b>	

\*The transit projects listed here have been identified as regional transportation priorities, yet they are not fiscally-constrained. Due to the manner in which transit projects are funded, it is challenging to anticipate how much funding a region is expected to receive over a 20-year period.



# Transit Projects



Waterbody

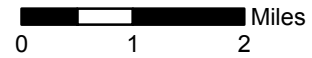
Charlottesville

Albemarle

Rail

Roads

Transit Projects



## BRIDGE PROJECTS

ID	Name	Description	Purpose	YOE Term	TOTAL (Inflated to YOE)	Remarks/Comments
----	------	-------------	---------	----------	-------------------------	------------------

### Repair Facility

B1	<b>250 Bypass bw Park and Locust</b>	Charlottesville 250 Bypass bw Park and Locust	Bridge Repairing of Retaining Walls, Urban Road	M	\$14,002,000	City Priority; Repair retaining walls along US 250 between the Park Street and Locust Ave interchanges.
----	--------------------------------------	---	---	---	--------------	---

<b>TOTAL COST</b>	<b>\$14,002,000</b>
-------------------	---------------------

### Replace Facility

B2	<b>Ivy Rd. (US 250)</b>	Albemarle US 29/US250 Bypass	Bridge Construction, Primary Road: Replace	S	\$21,025,000	VDOT Priority; Would be lengthened to accommodate future widening of US 250/US 29
B3	<b>Old Ivy Rd. (601)</b>	Albemarle US 29/US250 Bypass	Bridge Construction, Primary Road: Replace	S	\$5,796,000	VDOT Priority; Would be lengthened to accommodate future widening of US 250/US 29
B4	<b>Richmond Rd (US 250)</b>	Albemarle Shadwell Creek	Bridge Construction, Primary Road: Replace	S	\$4,611,000	VDOT Priority; Could be replaced with Box Culvert
B5	<b>Crozet Avenue (240)</b>	Albemarle Lickinghole Creek	Bridge Construction, Primary Road: Replace	S	\$2,988,000	VDOT Priority
B6	<b>Louisa Rd (22)</b>	Albemarle Branch Carrol Creek	Bridge Construction, Primary Road: Replace	S	\$2,575,000	VDOT Priority
B7	<b>Red Hill Rd. (708)</b>	Albemarle North Fork Hardware River	Bridge Construction, Secondary Road: Replace	S	\$4,090,000	VDOT Priority
B8	<b>Browns Gap Rd. (680)</b>	Albemarle Lickinghole Creek	Bridge Construction, Secondary Road: Replace	S	\$3,330,000	VDOT Priority
B9	<b>Watts Passage Rd. (600)</b>	Albemarle Preddy Creek	Bridge Construction, Secondary Road: Replace	S	\$3,338,000	VDOT Priority
B10	<b>US 250 Bypass</b>	Charlottesville Rugby Ave	Bridge Construction, Urban Road: Replace	S	\$16,230,000	UNJAM 2035, City Priority
B11	<b>US 250 Bypass</b>	Charlottesville Norfolk Southern Railroad	Bridge Construction, Urban Road: Replace	S	\$13,600,000	UNJAM 2035, City Priority
B12	<b>Melbourne Rd</b>	Charlottesville Norfolk Southern Railroad	Bridge Construction, Urban Road: Replace	M	\$11,402,000	City Priority
B13	<b>US 250 Bypass</b>	Charlottesville US 29	Bridge Construction, Urban Road: Replace	M	\$24,678,000	City Priority
B14	<b>Rugby Rd.</b>	Charlottesville Railroad	Bridge Construction, Urban Road: Replace	M	\$7,073,000	City Priority
B15	<b>Dairy Rd</b>	Charlottesville Route 250 Bypass	Bridge Construction, Urban Road: Replace	S	\$4,798,000	UNJAM 2035, City Priority

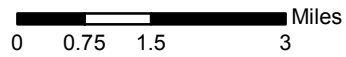
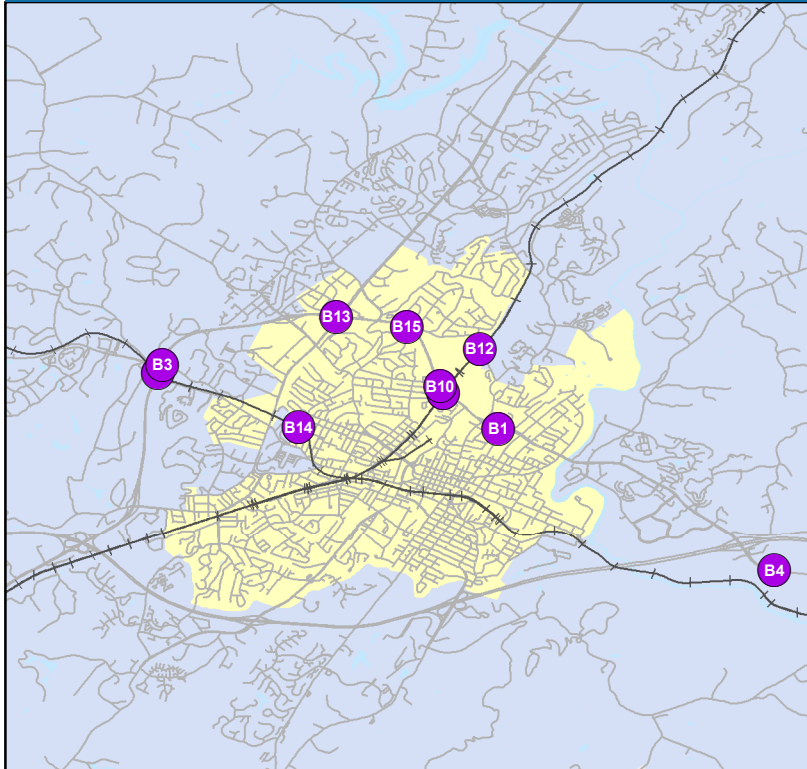
<b>TOTAL COST</b>	<b>\$125,534,000</b>
-------------------	----------------------

<b>TOTAL COST LRTP FISCALLY-CONSTRAINED</b>	<b>\$139,536,000</b>
---	----------------------

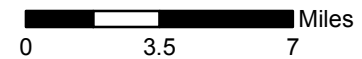
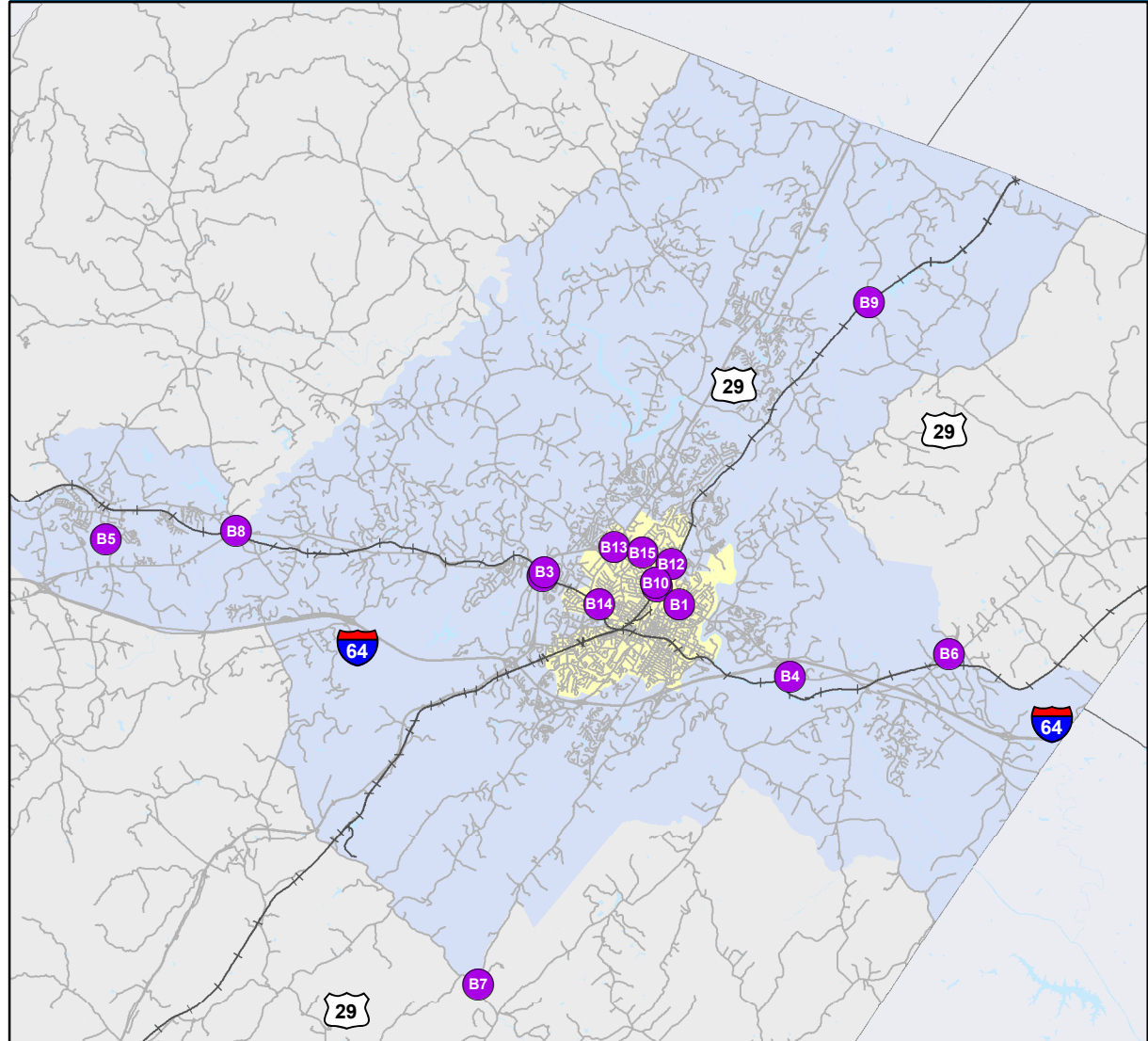


# Bridge Projects

City of Charlottesville



MPO



- Waterbody
- Charlottesville
- Albemarle
- Roads
- Rail
- L RTP Bridge Projects



**BIKE AND PEDESTRIAN PROJECTS\***

ID	NAME	Description		Purpose	YOE Term	TOTAL (Inflated to YOE)	Remarks/Comments
		FROM	TO				
<b>US 29 Projects</b>							
BP1	Rivanna River Trail (south)	Existing Rivanna River Trail (City)	Berkmar Dr Ext (Proposed)	MUP	M	\$1,802,000	Charlottesville/Albemarle; Include Bridge over the Rivanna River
BP2	Pen Park-Darden Towe	Pen Park	Darden-Towe	Bridge	S	\$4,176,000	Charlottesville/Albemarle
BP3	Belvedere Boulevard	South Fork Rivanna River	E Rio Road	MUP	S	\$1,263,000	Albemarle
BP4	Commonwealth Drive	Hydraulic Road	Four Seasons	SW/BL	M	\$2,381,000	Albemarle
BP5	Hydraulic Rd	Crossing Over US 29	Crossing Over US 29	Bridge	S	\$4,176,000	Charlottesville/Albemarle
BP6	Townwood Drive	Cool Springs Road	Hydraulic Road	BL	S	\$192,000	Albemarle
BP7	Berkmar Drive	Hilton Heights	Woodbrook Drive	BL	S	\$631,000	Albemarle
BP8	Worth Crossing	Timberwood Boulevard	Proffit Road	BL	M	\$441,000	Albemarle
BP9	Timberwood Boulevard	US 29	Timberwood Blvd (roundabout)	BL	M	\$273,000	Albemarle
BP10	Timberwood Boulevard	Worth Crossing	US 29	BL	M	\$242,000	Albemarle
BP11	Timberwood Boulevard	Timberwood Parkway	Worth Crossing	BL	M	\$263,000	Albemarle
<b>TOTAL COST</b>						<b>\$15,840,000</b>	

<b>City Projects</b>							
BP12	McIntire Park East Trail	McIntire Park West Trail	McIntire Road Ext	MUP	S	\$282,000	Includes Bridge Project, currently under way.
BP13	McIntire Park West Trail	McIntire Park East Trail (Bridge)	Route 250 Bypass Trail	MUP	S	\$282,000	Charlottesville
BP14	Route 250 Bypass Trail	McIntire Park West Trail	Hydraulic Rd	MUP	S	\$603,000	Charlottesville
BP15	Emmet St/Route 29	University Ave	Hydraulic Rd	MUP	M	\$1,636,000	Charlottesville
BP16	Barracks Road	Georgetown Road	Old Garth Road	MUP	L	\$1,688,000	Albemarle
BP17	Meadow Creek Parkway/Greenbrier Park	Meadow Creek	John Warner Parkway	MUP	S	\$909,000	Charlottesville/Albemarle; Under MCP Bridge.
BP18	Jefferson Park Ave	Jefferson Park Ave	W Main St	BL	M	\$630,000	Charlottesville
BP19	Cherry Ave, Elliot Ave	Avon St	Cleveland Ave	BL	S	\$1,883,000	Charlottesville
BP20	Harris Rd	5th Street	Camelia Dr	BL	S	\$576,000	Charlottesville
BP21	Rugby Rd/Dairy Rd/Grove Rd	US 250	Melbourne Rd	BL	M	\$1,575,000	Dairy Rd Bridge, Charlottesville
BP22	Barracks Road/Preston	10th Street	Georgetown Road	BL	M	\$1,974,000	Charlottesville
BP23	East High Street	US 250	9th Street	SW	S	\$1,679,000	Charlottesville
<b>TOTAL COST</b>						<b>\$13,717,000</b>	

<b>Pantops Projects</b>							
BP24	Rivanna River Connector (State Farm)	Riverview Park (City)	S Pantops Drive	MUP	S	\$322,000	Albemarle; Includes Bridge over the Rivanna
BP25	River Bend Drive / Pantops Drive	Route 250/20	State Farm Boulevard	BL	M	\$893,000	Albemarle
BP27	St. Farm Blvd	S. Pantops Drive	US 250	SW	S	\$1,007,000	Albemarle
BP28	S. Pantops Dr.	Existing sidewalk on S. Pantops Dr	Overlook Pl	SW	S	\$99,000	Albemarle
BP29	Hansen Rd across US 250	Hansen Rd	north sidewalk US 250	CW	S	\$128,000	Albemarle; Project is priced based on appropriate striping and signalization improvements
BP30	Rolkin Rd across US 250	Rolkin Rd	Rolkin Rd	CW	S	\$128,000	Albemarle
<b>TOTAL COST</b>						<b>\$2,577,000</b>	

<b>Crozet Projects</b>							
BP31	Lickinghole Creek Trail	Crozet Ave (MUP)	Lickinghole Creek	MUP	S	\$1,553,000	Albemarle
BP32	Lickinghole Creek Trail	Crozet Ave (MUP)	Jarman's Gap Rd	MUP	S	\$1,263,000	Albemarle
BP33	Powell's Creek Trail	Lickinghole Creek Trail (proposed)	Railroad Ave	MUP	M	\$1,368,000	Albemarle
BP34	Route 240	Highlands Subdivision	Crozet Ave	BL	M	\$2,100,000	Albemarle
BP35	Crozet Avenue	Route 240	Route 250	BL	M	\$1,050,000	Albemarle
<b>TOTAL COST</b>						<b>\$7,334,000</b>	

<b>South Projects</b>							
BP36	Old Lynchburg Rd	5th St Ext	City Limit	SW/BL	S	\$837,000	Albemarle
BP37	5th St Extended	Old Lynchburg Rd	Bent Creek Dr	MUP	M	\$1,044,000	Charlottesville/Albemarle
BP38	Moore's Creek	Sunset Ave	Old Lynchburg Road	MUP	S	\$475,000	Charlottesville/Albemarle
BP39	Carlton Bridge	Moore's Creek Trail	Linden Avenue	MUP	S	\$56,000	Charlottesville/Albemarle
BP40	Moore's Creek - 5th St Crossing	Bent Creek Road	5th St Ext	MUP	S	\$805,000	Charlottesville/Albemarle
BP41	Bent Creek Path	Avon Street	5th Street	MUP	S	\$917,000	Albemarle
BP42	Biscuit Run	Moore's Creek	Reynovia Lake	MUP	S	\$1,126,000	Albemarle
BP43	Route 20	City Limit	Avon Street Ext	SW/BL	S	\$5,115,000	Albemarle
BP44	Avon St Extended	Bent Creek Drive Trail	Mill Creek South	MUP	S	\$1,448,000	Albemarle
BP45	Trail/Tunnel Michie Tavern Lane	Moore's Creek Trail (proposed)	Saunders Trail	MUP	M	\$693,000	Charlottesville/Albemarle
<b>TOTAL COST</b>						<b>\$12,516,000</b>	

**TOTAL COST LRTP FISCALLY-CONSTRAINED** **\$51,984,000**

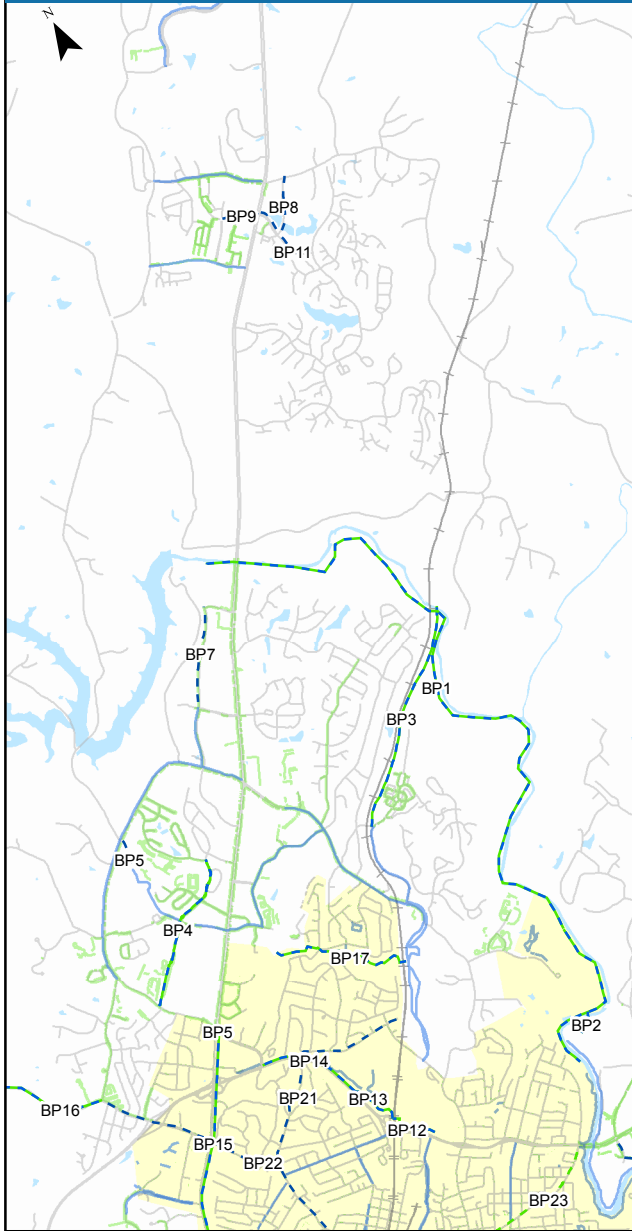
BL - Bke lanes  
 SW - Sidewalk  
 MUP - Multi-use path or shared facility  
 CW-Crosswalk  
 Bridge- bike and pedestrian bridge

\*This funding amount is derived from Group 4 of the MPO's Transportation Improvement Program  
 \*All estimates are planning-level, based on facility-type and distance  
 \* Project areas refer to map reference not jurisdiction.

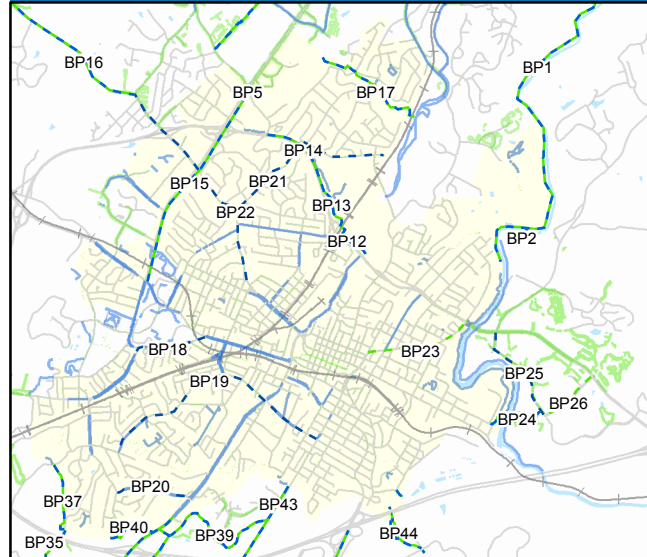


# Bike and Pedestrian Projects

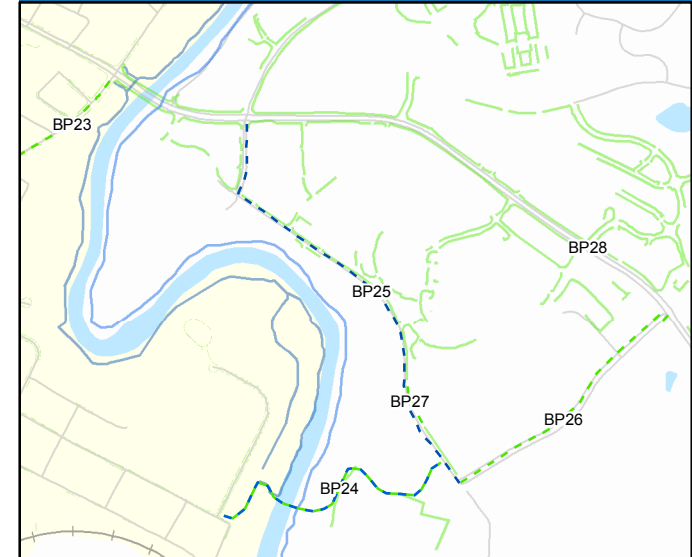
### US 29 Corridor



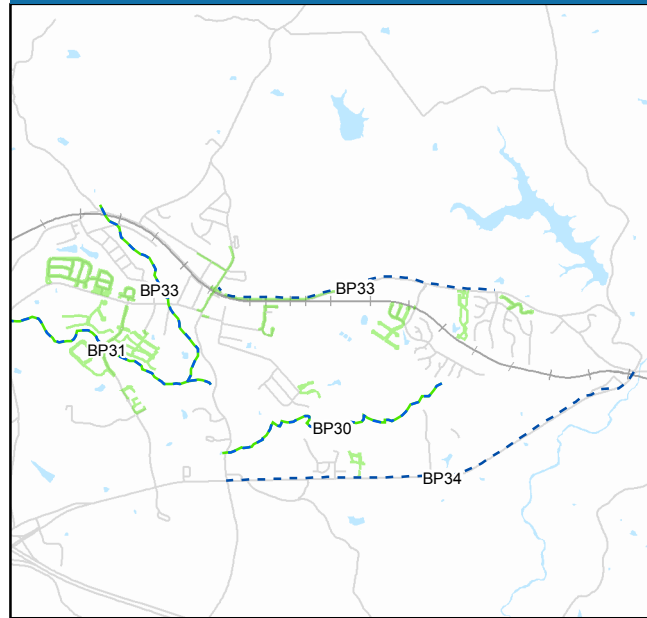
### Charlottesville



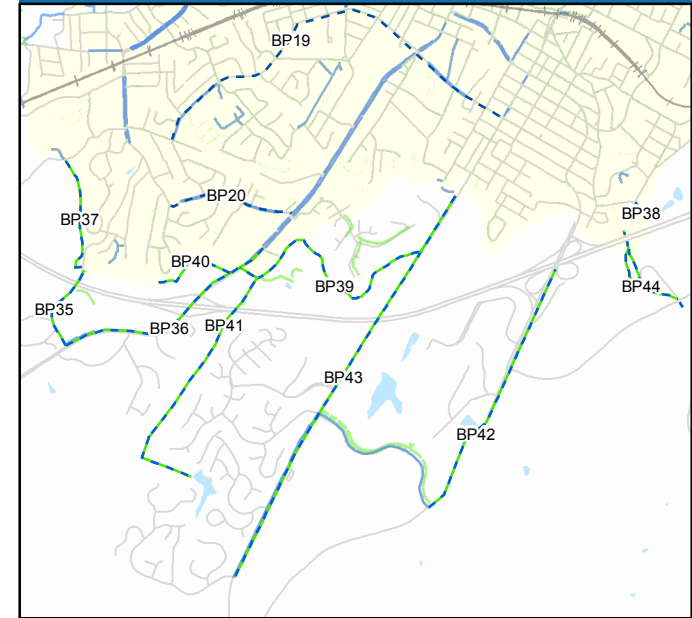
### Pantops













### Crozet



### South Area



- |  |   |   |  |
|--|---|---|--|
|  Waterbody       |  Rail  |  Existing Bike Facilities              |  Bike Improvements       |
|  Charlottesville |  Roads |  Existing Sidewalks                    |  Pedestrian Improvements |
|  Albemarle       |   |  Both Bike and Pedestrian Improvements |  |

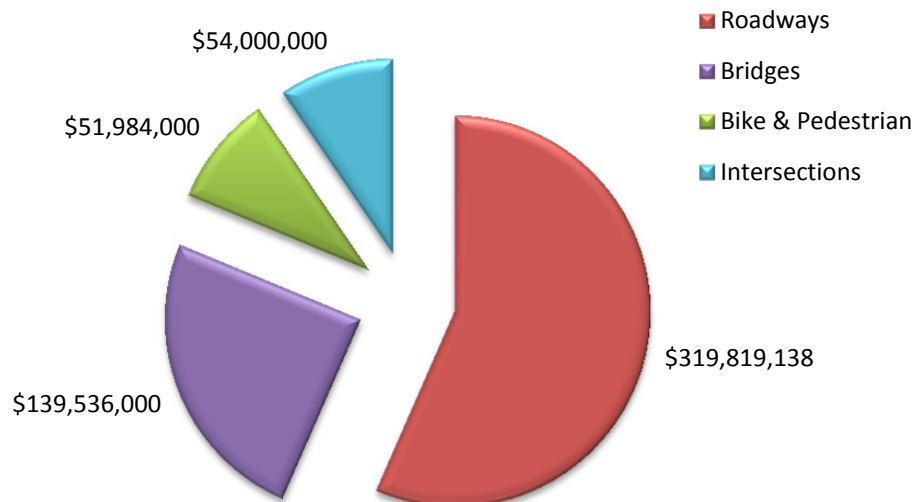


<b>INTERSECTION PROJECTS</b>						
ID	Name	Description	Purpose	YOE Term	TOTAL (Inflated to YOE)	Remarks/Comments
n/a	<b>Barracks Road and Emmet Street (US 29/ Route 654)</b>	Extend the right turn lane on WB Barracks Road at the intersection with Emmet St.	Intersection Safety Improvement	S	\$731,000	Requested by the City of Charlottesville. Intersection Volume 40,000 - 50,000; Total Number of Crashes 2005-2011: 33; AADT: 49,237. PE - \$62,000; RW - \$201,500; CN - \$248,000; TOT - \$511,500
n/a	<b>General Intersection Improvements</b>	Reserved funding for all other intersection and safety improvements	Intersection Safety Improvement	S/M/L	\$53,269,000	This funding amount is derived from Group 3 of the MPO's Transportation Improvement Program.
<b>TOTAL COST</b>					<b>\$54,000,000</b>	
<b>TOTAL COST LRTP FISCALLY-CONSTRAINED</b>					<b>\$54,000,000</b>	

\*When the Charlottesville-Albemarle MPO Policy Board approved the fiscally-constrained project list, they approved this list with a note that City improvements should be prioritized to receive this funding first, if possible, considering how funding is structured.

SUMMARY TOTALS FOR ALL PROJECTS				
Project Category	Description	Purpose	TOTAL (Inflated to YOE)	Remarks/Comments
Roadways	Road Improvement and New Construction	Improve Safety / Operation Capacity	\$319,819,138	Summary of Roadway Improvement Projects (Include PE-Only Projects)
Bridges	Bridge Replacement/Reconstruction	Improve Safety and Operations	\$139,536,000	Summary of Bridge Projects
Bike & Pedestrian	Sidewalks, bike lanes, crosswalks & multi-use paths	Improve bike and pedestrian mobility	\$51,984,000	Summary of Bike & Pedestrian Projects
Intersections	Safety, Intersection, ITS and Operational Improvements	Improve Safety and Operations	\$54,000,000	System-wide projects to include Safe Route to School Program
<b>TOTAL COST LRTP FISCALLY-CONSTRAINED</b>			<b>\$565,339,138</b>	
Transit	Create new services & supporting infrastructure	Facilitate transit mobility	\$143,722,551	Summary of Transit Priorities

### Summary Totals



## ALL VISIONING PROJECTS

Project	Description	Purpose	Remarks/Comments
<b>Road Projects</b>			
<b>Rt 20</b>	Albemarle From Mill Creek Dr to Rt 53. Extend the 4 lanes section through the signal at Rt 20/53, transition down to 2 lanes and reconstruction the 2-lane section through the Intersection at Mill Creek Dr.	Primary Rd Reconstruction. Improve Safety / Operations.	New project based on request from the County BOS. PE - 1.1 Mil. RW - 4.8 Mil. CN - 6.4 Mil. TOT 12.4 Mil. Project will include Bike and Ped facilities along the section.
<b>Bridge Projects</b>			
<b>Keswick Rd (731)</b>	Bridge replacement over Carroll Creek in Albemarle County.	Replace Bridge	
<b>Proffit Rd (649)</b>	Bridge replacement over Norfolk Southern RR in Albemarle County.	Replace Bridge	
<b>Old Three Notch Trail</b>	Bridge replacement over Lickinghole Creek in Albemarle County.	Replace Bridge	
<b>Wheeler Rd</b>	Bridge replacement over Branch Moores Creek in Albemarle County.	Replace Bridge	
<b>Ivy Depot Rd</b>	Bridge replacement over Little Ivy Creek in Albemarle County.	Replace Bridge	
<b>Wheeler Rd</b>	Bridge replacement over Branch Moores Creek in Albemarle County.	Replace Bridge	
<b>Blair Park Rd</b>	Bridge replacement over Lickinghole Creek in Albemarle County.	Replace Bridge	
<b>Gilbert Station Rd</b>	Bridge replacement over Norfolk Southern RR in Albemarle County.	Replace Bridge	
<b>Burnley Station Rd</b>	Bridge replacement over Norfolk Southern RR in Albemarle County.	Replace Bridge	
<b>Arrowhead Valley</b>	Bridge replacement over Norfolk Southern RR in Albemarle County.	Replace Bridge	
<b>Bike &amp; Pedestrian Projects</b>			
<b>Rivanna River Trail (north)</b>	Albemarle, US 29 area. From Existing Rivanna River Trail (County); Berkmar Dr Ext (Proposed)	Bike/Ped Multi-Use Path	
<b>Town Branch Trail</b>	Albemarle, US 29 area. Rivanna River Trail (south); Belvedere Dr	Bike/Ped Multi-Use Path	
<b>Dickerson Rd</b>	Albemarle, US 29 area. Chris Greene Lake Rd; Quiet Acres Lane	Bike/Ped Multi-Use Path	
<b>Rio Rd</b>	Albemarle, US 29 area. Crossing Over US 29; Crossing Over US 29	Bike/Ped Bridge	
<b>Timberwood Dr</b>	Albemarle, US 29 area. Crossing Over US 29; Crossing Over US 29	Bike/Ped Bridge	
<b>Berkmar Dr</b>	Albemarle, US 29 area. US 29; W Rio Rd	Bike/Ped Bike Lane	
<b>Hilton Heights Rd</b>	Albemarle, US 29 area. US 29; Berkmar Dr	Bike/Ped Bike Lane	
<b>Carrsbrook Dr</b>	Albemarle, US 29 area. Huntington Dr; US 29	Bike/Ped Bike Lane	
<b>Timberwood Parkway</b>	Albemarle, US 29 area. Timber Pointe Rd; Ashwood Blvd	Bike/Ped Bike Lane	
<b>Ashwood Boulevard</b>	Albemarle, US 29 area. Powell Creek Dr; US 29	Bike/Ped Bike Lane	
<b>Ashwood Boulevard Ext.</b>	Albemarle, US 29 area. Ashwood Boulevard; Berkmar Dr Ext.	Bike/Ped Bike Lane	
<b>Hydraulic Rd</b>	Albemarle, US 29 area. US 250; Commonwealth Dr	Bike/Ped Sidewalk	
<b>Ivy Rd (Bike Rt 76)</b>	Albemarle, city area. Old Ivy Rd; Farmington Rd/Boards Head	Bike/Ped Sidewalk and Bike Lane	
<b>Fontaine Ave</b>	Charlottesville/Albemarle, city area. Fontaine Research Park; Maury Ave	Bike/Ped Sidewalk and Bike Lane	
<b>Sunset Ave/Fontaine Connector</b>	Charlottesville/Albemarle, city area. Sunset Ave; Fontaine	Bike/Ped Multi-Use Path	

## ALL VISIONING PROJECTS

Project	Description	Purpose	Remarks/Comments
<b>Rugby Rd</b>	Charlottesville City area. Culbreth Rd; Preston Ave	Bike/Ped Bike Lane	
<b>Locust Ave</b>	Charlottesville City area. Locust Lane; E High St	Bike/Ped Bike Lane	
<b>Rt 20 (Bike Rt 76)</b>	Charlottesville City area. Rt 53; Avon St	Bike/Ped Bike Lane	
<b>Cason Farm Rd/Lego Dr Trail</b>	Charlottesville, Pantops area. Rivanna River Trail (County); Lego Dr	Bike/Ped Multi-Use Path	
<b>Pantops 250 (parallel Rd)</b>	Charlottesville, Pantops area. State Farm/US 250; Rt 20	Bike/Ped Bike Lane	
<b>State Farm Blvd across US 250</b>	Charlottesville, Pantops area. State Farm Blvd; north sidewalk US 250	Bike/Ped Crosswalk	
<b>Crozet Ave MUP</b>	Charlottesville, Crozet area. Licking Hole Creek Trail; Licking Hole Creek Trail (W)	Bike/Ped Multi-Use Path	
<b>Rt 250</b>	Charlottesville, Crozet area. Rt 240; Crozet Ave	Bike/Ped Bike Lane	
<b>Crozet Main St Extension</b>	Charlottesville, Crozet area. Eastern Ave (prop.); Crozet Ave	Bike/Ped Bike Lane	
<b>Avon St</b>	Charlottesville, south area. Moore's Creek Trail (proposed W Avon); Moore's Creek Trail (proposed E Avon)	Bike/Ped Multi-Use Path	
<b>Moore's Creek - Quarry Rd Park</b>	Charlottesville, south area. City of Charlottesville Line; Avon St Ext	Bike/Ped Multi-Use Path	
<b>Rivanna River Trail (south)</b>	Charlottesville/Albemarle 29/Pantops area. Existing Rivanna River Trail (City); Berkmar Dr Ext (Proposed)	Reevaluate Bike/Ped Multi-Use Path	
<b>Rt 240</b>	Albemarle Crozet area. Rt 250; Crozet Ave	Reevaluate Bike/Ped Bike Lane	
<b>Crozet Ave</b>	Albemarle, Crozet area. Thurston Dr; Rt 250	Reevaluate Bike/Ped Bike Lane	
<b>Avon St Extended</b>	Albemarle, south area. City Limits; Rt 20	Reevaluate Bike/Ped Sidewalk, Bike Lane	

### Intersection Projects

<b>McIntire Rd and Harris St</b>	Charlottesville, One-lane roundabout at this location.	Intersection Safety Improvement	Requested by the City of Charlottesville. PE - \$282,000; RW - \$916,500; CN - \$1,128,000; TOT - \$2,326,500
<b>Ridge St/McIntire Rd and West Main St</b>	Charlottesville, One-lane roundabout at this location.	Intersection Safety Improvement	Requested by the City of Charlottesville. Intersection Vol. 20,000 - 30,000; Total Number of Crashes 2005-11: 24; AADT: 28479
<b>McIntire Rd and Preston Ave</b>	Charlottesville, One-lane roundabout at this location.	Intersection Safety Improvement	Requested by the City of Charlottesville. Intersection Volum; Total Number of Crashes 2005-11
<b>East High St and 9th St NE (BUS 250/20)</b>	Improvement need has been identified but not yet fully assessed.	Intersection Safety Improvement	
<b>Ivy Rd and Owensville Rd (US 250/678)</b>	Albemarle, One-lane roundabout at this location. Realignment of Owensville Rd to accommodate the new intersection.	Intersection Safety Improvement	Requested by Albemarle County. This location has been studied for a possible Roundabout and Intersection realignment to opposite Morgentown Rd. Intersection Vol. 10,000 - 20,000; Total Number of Crashes 2005-11: 6; AADT: 14087
<b>Gordonsville Rd and Louisa Rd (Rt 22/231)</b>	Albemarle, Improvement need has been identified but not yet fully assessed.	Intersection Safety Improvement	Intersection Vol. 0 - 10,000; Total Number of Crashes 2005-11: 8; AADT: 6666
<b>US 29 North and Hydraulic Rd (US 29/743)</b>	Charlottesville and Albemarle, Improvement need has been identified but not yet fully assessed.	Intersection Safety Improvement	Several studies including the Places 29 Study have recommended grade separation of this intersection. Intersection Vol. Over 60,000; Total Number of Crashes 2005-11: 145; AADT: 80604
<b>US 250 and Stony Point Rd (US 250/20)</b>	Albemarle, Improvement need has been identified but not yet fully assessed.	Intersection Safety Improvement	Intersection Vol. 50,000 - 60,000; Total Number of Crashes 2005-11: 70; AADT: 54489
<b>US 29 North and Polo Grounds Rd (US 29/643)</b>	Albemarle, Improvement need has been identified but not yet fully assessed.	Intersection Safety Improvement	Intersection Vol. 50,000 - 60,000; Total Number of Crashes 2005-11:66; AADT: 51641

## ALL VISIONING PROJECTS

Project	Description	Purpose	Remarks/Comments
<b>US 29 North and Ashwood Boulevard (US 29/1670)</b>	Albemarle, Improvement need has been identified but not yet fully assessed.	Intersection Safety Improvement	Places 29 Study recommended grade separation of this intersection. Rt 29 Widening Project under development will address this intersection issues. Intersection Vol. 50,000 - 60,000; Total Number of Crashes 2005-11: 61; AADT: 53145
<b>US 29 North and Airport Rd (US 29/649)</b>	Albemarle, Improvement need has been identified but not yet fully assessed.	Intersection Safety Improvement	Intersection Vol. 40,000 - 50,000; Total Number of Crashes 2005-11: 64; AADT: 46695
<b>US 29 North and Timberwood Boulevard (US 29/1721)</b>	Albemarle, Improvement need has been identified but not yet fully assessed.	Intersection Safety Improvement	Places 29 Study recommended grade separation of this intersection. Intersection Vol. 40,000 - 50,000; Total Number of Crashes 2005-11:42; AADT: 40268
<b>Ivy Rd and Emmet St (US 250/29)</b>	Charlottesville, Improvement need has been identified but not yet fully assessed.	Intersection Safety Improvement	Intersection Vol. 30,000 - 40,000; Total Number of Crashes 2005-11:32; AADT: 38831
<b>Rio Rd West and Berkmar Dr (Rt 631/1403)</b>	Albemarle, Improvement need has been identified but not yet fully assessed.	Intersection Safety Improvement	Intersection Vol. 30,000 - 40,000; Total Number of Crashes 2005-11:30; AADT: 30440
<b>Hydraulic Rd and Lambs Rd (Rt 743/657)</b>	Albemarle, Improvement need has been identified but not yet fully assessed.	Intersection Safety Improvement	Intersection Vol. 20,000 - 30,000; Total Number of Crashes 2005-11:26; AADT: 27139
<b>Rio Rd and Earlysville Rd (Rt 631/743)</b>	Albemarle, Improvement need has been identified but not yet fully assessed.	Intersection Safety Improvement	Intersection Vol. 20,000 - 30,000; Total Number of Crashes 2005-11:31; AADT: 26418
<b>Rio Rd and Hillsdale Dr (Rt 631/1427)</b>	Albemarle, Improvement need has been identified but not yet fully assessed.	Intersection Safety Improvement	Intersection Vol. 20,000 - 30,000; Total Number of Crashes 2005-11:28; AADT: 29754
<b>Crozet Ave and Rockfish Gap Turnpike (Rt 240/250)</b>	Albemarle, Improvement need has been identified but not yet fully assessed.	Intersection Safety Improvement	Intersection Vol. 10,000 - 20,000; Total Number of Crashes 2005-11:14; AADT: 12879
<b>Hydraulic Rd and Commonwealth Dr (Rt 743/1315)</b>	Albemarle, Improvement need has been identified but not yet fully assessed.	Intersection Safety Improvement	Intersection Vol. 10,000 - 20,000; Total Number of Crashes 2005-11:20; AADT: 17302
<b>Ivy Rd and Old Ivy Rd (US 250/601)</b>	Charlottesville and Albemarle, Improvement need has been identified but not yet fully assessed.	Intersection Safety Improvement	Intersection Vol. 10,000 - 20,000; Total Number of Crashes 2005-11:24; AADT: 17167
<b>Ridge St and Monticello Ave</b>	Charlottesville, Improvement need has been identified but not yet fully assessed.	Intersection Safety Improvement	Intersection Vol. 10,000 - 20,000; Total Number of Crashes 2005-11:18; AADT: 18645
<b>Rockfish Gap Turnpike and Three Notched Rd (US 250/240)</b>	Albemarle, Improvement need has been identified but not yet fully assessed.	Intersection Safety Improvement	Intersection Vol. 10,000 - 20,000; Total Number of Crashes 2005-11:18; AADT: 12770
<b>Scottsville Rd and Thomas Jefferson Parkway (Rt 20/53)</b>	Albemarle, Improvement need has been identified but not yet fully assessed.	Intersection Safety Improvement	Intersection improvements current under development. Additional improvement will be addressed as part of the Rt 20 south improvement Project. Intersection Vol. 10,000 - 20,000; Total Number of Crashes 2005-11:55; AADT: ; AADT: 18643
<b>US 250 and Louisa Rd (US 250/22)</b>	Albemarle, Improvement need has been identified but not yet fully assessed.	Intersection Safety Improvement	Intersection Vol. 10,000 - 20,000; Total Number of Crashes 2005-11:26; AADT: 17932
<b>Gordonsville Rd and Louisa Rd (Rt 231/22)</b>	Albemarle, Improvement need has been identified but not yet fully assessed.	Intersection Safety Improvement	Intersection Vol. 0 - 10,000; Total Number of Crashes 2005-11: 8; AADT: 6666
<b>Ivy Rd and Broomley Rd (US 250/677)</b>	Albemarle, Improvement need has been identified but not yet fully assessed.	Intersection Safety Improvement	Intersection Vol. 0 - 10,000; Total Number of Crashes 2005-11: 13; AADT: 8847
<b>Louisa Rd and Black Cat Rd (Rt 22/616)</b>	Albemarle, Improvement need has been identified but not yet fully assessed.	Intersection Safety Improvement	Intersection Vol. 0 - 10,000; Total Number of Crashes 2005-11: 10; AADT: 7704
<b>North Milton Rd and US 250 (Rt 729/250)</b>	Albemarle, Improvement need has been identified but not yet fully assessed.	Intersection Safety Improvement	Will be addressed as part of the 250 Widening Project Through Shadwell. Intersection Vol. 0 - 10,000; Total Number of Crashes 2005-11: 15; AADT: 8542
<b>Scottsville Rd and Brookhill Ave (Rt 20/ 1137)</b>	Albemarle, Improvement need has been identified but not yet fully assessed.	Intersection Safety Improvement	Will be addressed as part of the Rt 20 south improvement Project. Intersection Vol. 0 - 10,000; Total Number of Crashes 2005-11: 13; AADT: 7228
<b>Thomas Jefferson Pkwy and Buck Island Rd (Rt 53/729)</b>	Albemarle, Improvement need has been identified but not yet fully assessed.	Intersection Safety Improvement	Total Number of Crashes 2005-11:14; AADT: 9227
<b>Thomas Jefferson and James Monroe Pkwy (Rt 53/795)</b>	Albemarle, Improvement need has been identified but not yet fully assessed.	Intersection Safety Improvement	Intersection improvements current under development. Intersection Vol. 0 - 10,000; Total Number of Crashes 2005-11: 8; AADT: 8330

## ALL VISIONING PROJECTS

Project	Description	Purpose	Remarks/Comments
<b>Thomas Jefferson Pkwy and Milton Rd (Rt 53/ 732)</b>	Albemarle, Improvement need has been identified but not yet fully assessed.	Intersection Safety Improvement	Intersection improvements current under development. Intersection Vol. 0 - 10,000; Total Number of Crashes 2005-11: 12; AADT: 9062