



Appendix A

Constrained Long Range Project (CLRP) and Visioning Lists

Charlottesville-Albemarle Metropolitan Planning Organization

Thomas Jefferson Planning District Commission

2040 LRTP AMENDED JULY 23RD 2014: Amendments to the 2040 LRTP were approved by the MPO Policy Board at its July 23rd MPO Policy Board meeting. These amendments reflect changes to several projects in the 2040 LRTP due to the Commonwealth Transportation Board's approval of the FY15 to FY20 Six Year Improvement Program. This amendment process mostly pertained to projects that are part of the Route 29 Solutions process, but also included changes to other projects outside this process including moving projects I3, B16, and B17 out of the SYIP list to other LRTP project lists. These other changes were made to reflect the removal of these projects from the FY15 to FY20 SYIP.

2040 LRTP AMENDED SEPTEMBER 24TH 2014: An amendment to the 2040 LRTP was approved by the MPO Policy Board on September 24th 2014. This amendment resulted in the inclusion of a signalization improvement in the City of Charlottesville from Hydraulic Road and US 29 to University Ave and Ivy Road. This signalization improvement extends the signalization project currently included in the Route 29 Solutions process. This project is listed in the intersection section of the fiscally-constrained project list.

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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
11	Interchange I-64 and US 29 (Exit 118)	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	PE/RW/CN	S/S/M	\$170,855,000	UnJAM 2035 ID: I-12
⑨ Total Cost						\$170,855,000	
⑩ TOTAL COST LRTP FISCALLY-CONSTRAINED						\$170,855,000	

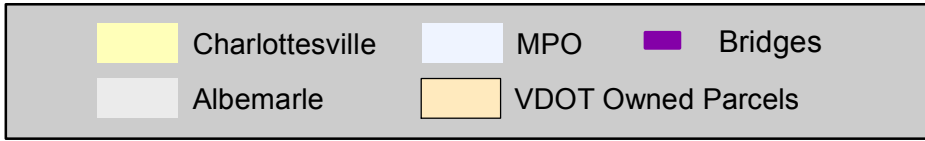
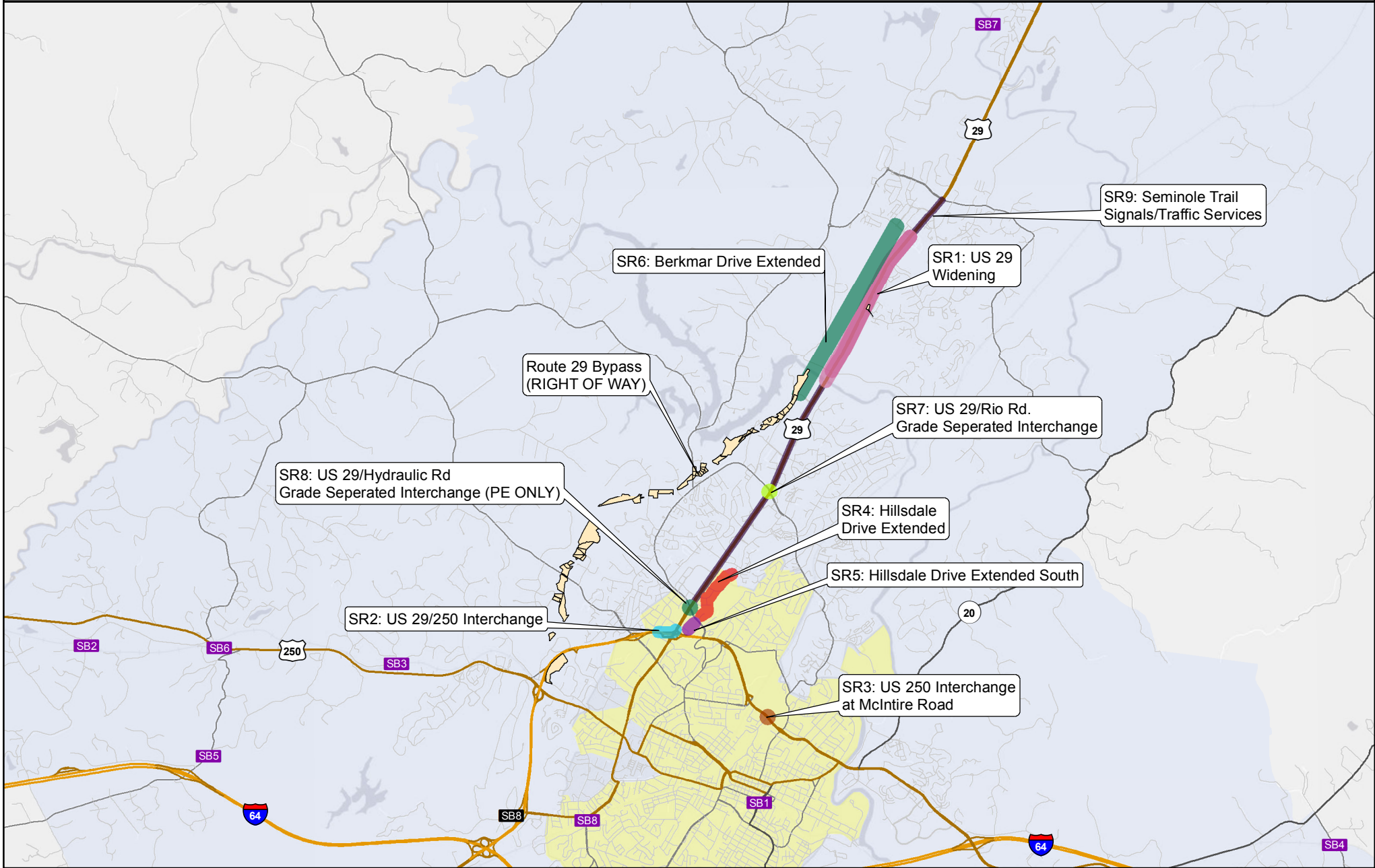
- ① Identification number assigned for the LRTP 2040
- ② Project name used to identify the improvements to be covered under obligated funds
- ③ Details on location, jurisdiction, and specific improvements to be made under this project
- ④ Main goals or objectives for this project
- ⑤ Which stages of 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	US 29 Widening	Complete widening to 6 lanes between Polo Grounds Rd. and Town Center Drive.	Improve Safety / Operations and Increase Capacity	\$50,573,000	UnJAM 2035 ID:1-5; SYIP UPC: 77383
SR2	Rte 29/250 Bypass Interchange Improvements (Best Buy Ramp)	Add third southbound lane on US 29 and add an additional ramp lane at Best Buy.	Improve Safety and Operations	\$17,150,000	UnJAM 2035 ID: I-10; SYIP UPC: 85708. Total costs includes noise abatement, which is not yet finalized.
				TOTAL COST	\$67,723,000
New Construction Projects					
SR3	US 250 / McIntire Rd (Rte 3405)	Construct grade-separated interchange.	Alternate Route, Increase Connectivity	\$34,473,000	UnJAM 2035 ID: N-5; SYIP UPC: 60234
SR4	Hillsdale Drive Extended (Rte 1427)	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; SYIP UPC: 60233
SR5	Hillsdale Drive Extended SOUTH	PRELIMINARY ENGINEERING ONLY to add new roadway from Hillsdale Dr. (CITY) and Hydraulic Rd. intersection south to Holiday Dr.	Alternative Route, Increase Connectivity	\$10,000,000	SYIP UPC: 106138, To be studied in concert with the Hydraulic Road Interchange. The MPO does NOT endorse the obligation of right of way or construction funding for this project until the scope of the project, particularly the southern terminus has been studied completely and the MPO agrees to the collaboratively determined next steps.
SR6	Berkmar Drive Extended	Extend existing roadway from current northern terminus of Hilton Heights Road over the South Fork of the Rivanna River to Town Center Drive. Includes bike and pedestrian facilities.	Alternative Route, Increase Connectivity	\$54,000,000	UnJAM 2035 ID: N-1; SYIP UPC: 106137
SR7	US 29/Rio Rd Grade Separated Interchange	Construct a grade-separated interchange at Rio Rd and US 29 to replace the current signalized intersection. Includes Bicycle and Pedestrian facilities.	Improve Safety / Operations and Increase Capacity	\$81,000,000	UnJAM 2035 ID: I-6; SYIP UPC: 106136
SR8	US 29/Hydraulic Grade Separated Interchange	PRELIMINARY ENGINEERING ONLY to Construct a grade-separated interchange at Hydraulic Rd and US 29 to replace the current signalized intersection. Includes Bicycle and Pedestrian facilities.	Improve Safety / Operations and Increase Capacity	\$10,000,000	PRELIMINARY ENGINEERING ONLY, UnJAM 2035 ID: Visioning List; SYIP UPC: 106137, To be studied in concert with the Hydraulic Road Interchange.
				TOTAL COST	\$203,143,000
New Traffic Management/Engineering					
SR9	Seminole Trail-Signals/Traffic Services	Adaptive signal improvements from Hydraulic Rd to Airport Rd. <i>(Signalization project for the city of charlottesville is listed under intersection improvements)</i>	Improve Operations	\$3,720,000	SYIP UPC: 104153. The MPO recommends that this project be extended into the City of Charlottesville to Ivy Road as either a phase 2 of this existing project or as a separate project to be incorporated at a later date.
				TOTAL COST	\$3,720,000
N/A	Route 29 Bypass (Awaiting Project Funding Resolution)	New limited access 4 lane divided Bypass road with southern terminus beginning at 29/250 Bypass and northern terminus at US 29 south of Ashwood Blvd.	Alternative Route, Increase Connectivity	\$58,215,000	UnJAM 2035 ID: N-6; SYIP UPC: 102419. MPO is awaiting final resolution on the project, as there are remaining allocations that need to be addressed.
BRIDGE PROJECTS					
Replace Facility					
SB1	9th Street (Route 20)	Bridge replacement over CSX Railroad and Water Street.	Replace existing bridge	\$14,465,713	VDOT Priority, UnJAM 2035 ID: I-17, SYIP UPC: 75878
SB2	Dry Bridge Rd. (708)	Bridge replacement over Buckingham Branch RR in Albemarle County.	Replace existing bridge	\$4,393,000	VDOT Priority, UnJAM 2035 ID: I-24; SYIP UPC: 77274
SB3	Broomley Rd. (677)	Bridge replacement over Buckingham Branch RR in Albemarle County.	Replace existing bridge	\$4,677,000	VDOT Priority, UnJAM 2035 ID: I-25, SYIP UPC: 95114
SB4	Black Cat Rd. (616)	Bridge replacement over Buckingham Branch RR in Albemarle County.	Replace existing bridge	\$3,736,000	VDOT Priority, UnJAM 2035 ID: I-26, SYIP UPC: 95113
SB5	Dick Woods Rd. (637)	Bridge replacement over Ivy Creek in Albemarle County.	Replace existing bridge	\$2,458,000	VDOT Priority, UnJAM 2035 ID: I-27: SYIPUPC: 95159
SB6	Ivy Rd. (US 250)	Bridge replacement over Little Ivy Creek in Albemarle County.	Replace existing bridge	\$2,918,000	VDOT Priority, SYIP UPC: 98804
SB7	Dickerson Rd (606)	Bridge replacement over North Fork Rivanna River in Albemarle County.	Replace existing bridge	\$5,066,121	VDOT Priority, UnJAM 2035 ID: I-18: SYIP UPC: 82123
SB8	Jefferson Park Ave	Bridge replacement over Norfolk/Southern Railroad in Charlottesville	Replace existing bridge	\$11,700,000	UNJAM 2035 ID: I-16: In Close Out
				TOTAL COST	\$49,413,834
				All PROJECTS FULLY-FUNDED IN THE SYIP	\$323,999,834

*Projects in the SYIP are fully-funded and listed as part of the Commonwealth's transportation priorities.

*The Route 29 Solutions Project Package also includes additional funding for new AMTRAK service from Lynchburg to Washington DC. This project is supported by the Charlottesville-Albemarle MPO.

Six Year Improvement Program Projects



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ROADWAY PROJECTS

ID	Name	Description	Purpose	Phase	YOE Term	TOTAL (Inflated to YOE)	Remarks/Comments
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Improvement Projects

I1	Interchange I-64 and US 29 (Exit 118)	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	Interchange I-64 and US 250 (Exit 124)	Increase capacity and rebuild the interchange to be safer for higher volumes of traffic. 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 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	
I3	Rt. 29/Fontaine Ave	Roadway improvements, add bicycle lanes and sidewalks	Improve Safety and Operations	Interim Improvements	S	\$1,157,999	UnJAM 2035 ID: I-2; Previously in SYIP. Current Status is inactive.
				Preliminary Engineering	S	\$1,256,000	
				Right-of-Way	S	\$5,023,000	
				Construction	S	\$3,767,000	
				All		\$10,046,000	
TOTAL COST						\$213,085,069	

New Construction Projects

TOTAL COST						\$0	
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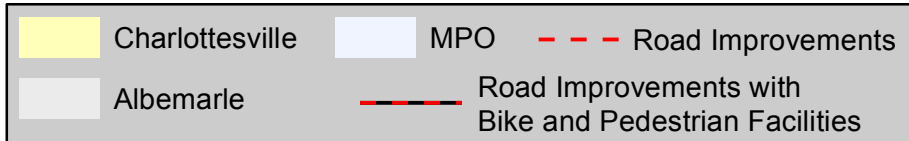
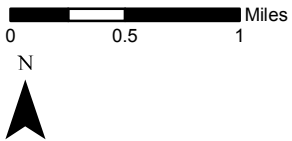
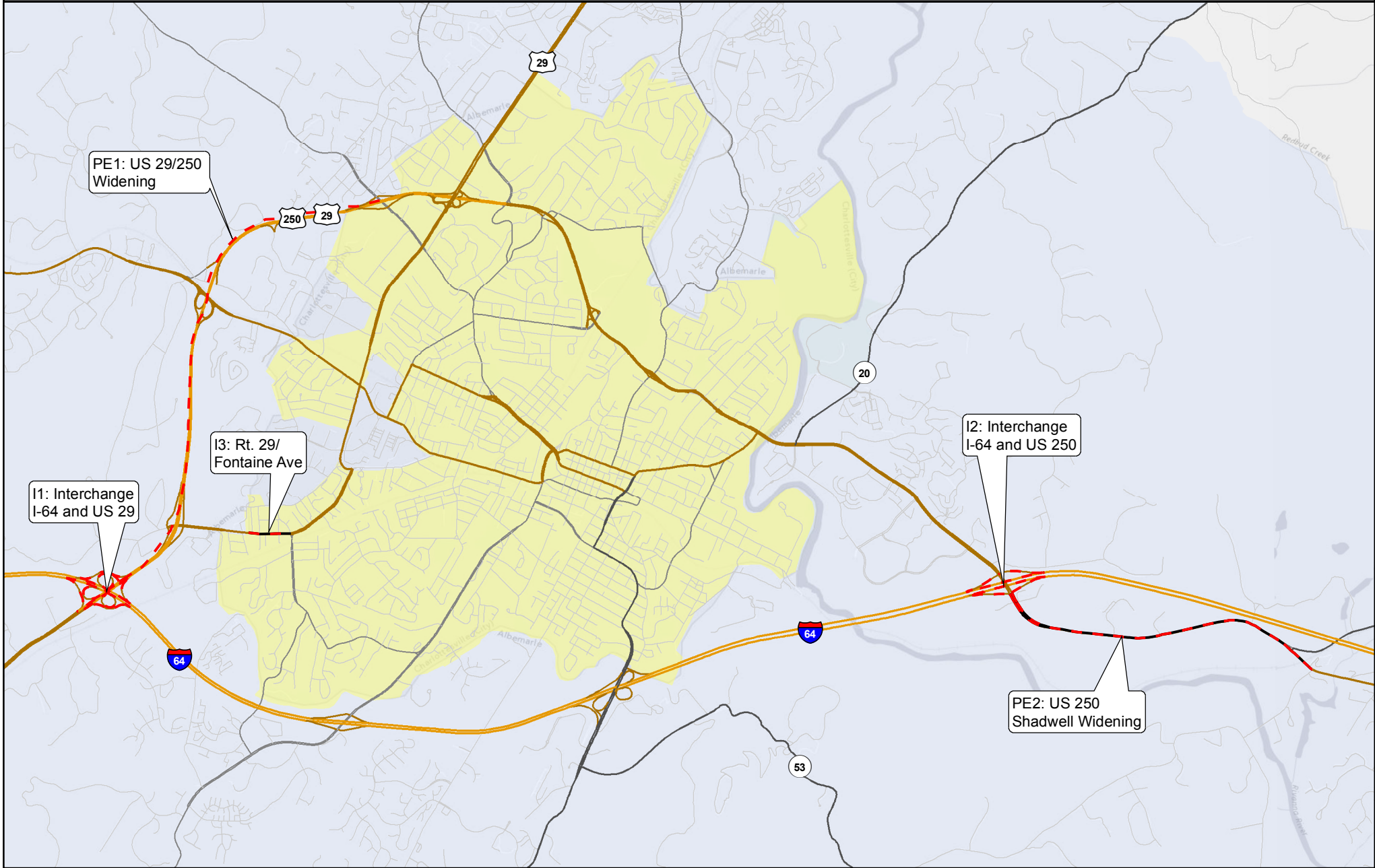
Preliminary Engineering Only

PE1	US 29/250 Widening	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	US 250 Shadwell Widening	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	

TOTAL COST						\$7,192,000	
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TOTAL COST LRTP FISCALLY-CONSTRAINED						\$220,277,069	
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2040 LRTP Road Projects



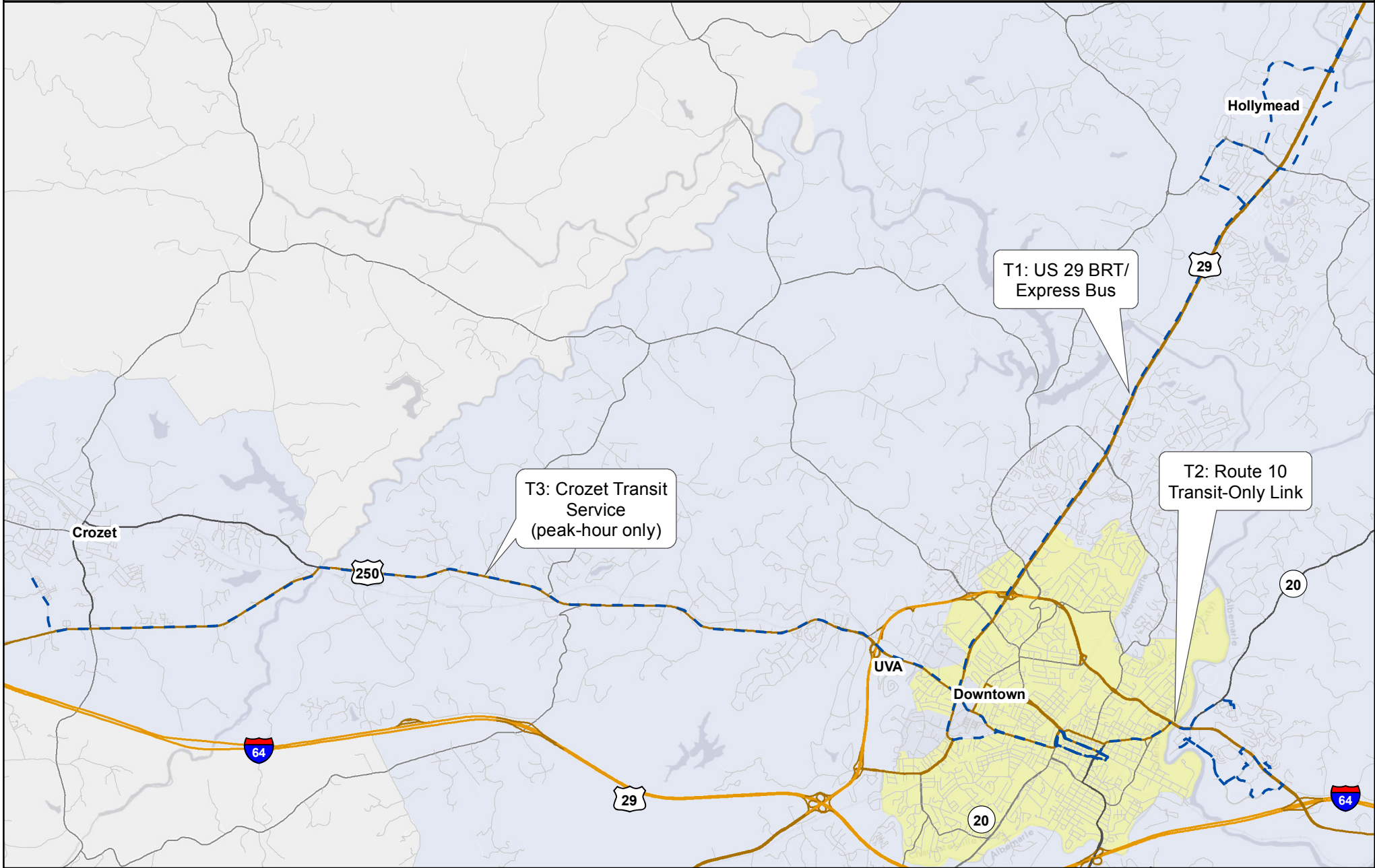
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TRANSIT PROJECTS*							
ID	Name	Description	Purpose	Project Phase	YOE Term	TOTAL (Inflated to YOE)	Remarks/Comments
Infrastructure Improvements							
T1	Transit-Focused US 29 and US 29 BRT/Express	Reshape US 29 to allow for BRT rapid transit infrastructure, 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	Route 10: Transit-Only Link	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	
New Service Only							
T3	Crozet Transit Link	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	
TRANSIT PRIORITIES						\$143,722,551	

*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.

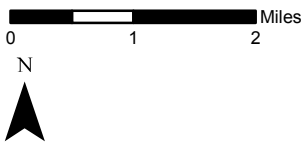
2040 LRTP Transit Projects



T3: Crozet Transit Service (peak-hour only)

T1: US 29 BRT/ Express Bus

T2: Route 10 Transit-Only Link



	Charlottesville		Albemarle
	MPO		Transit Projects

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BRIDGE PROJECTS

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

B1	250 Bypass bw Park and Locust	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.
TOTAL COST					\$14,002,000	

Replace Facility

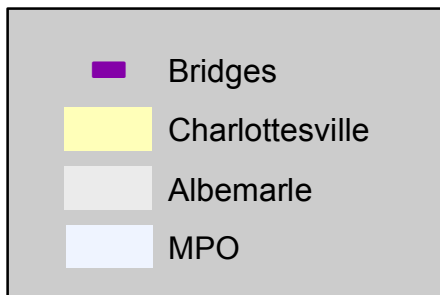
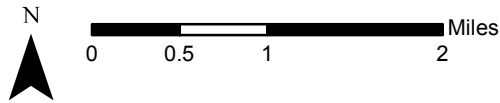
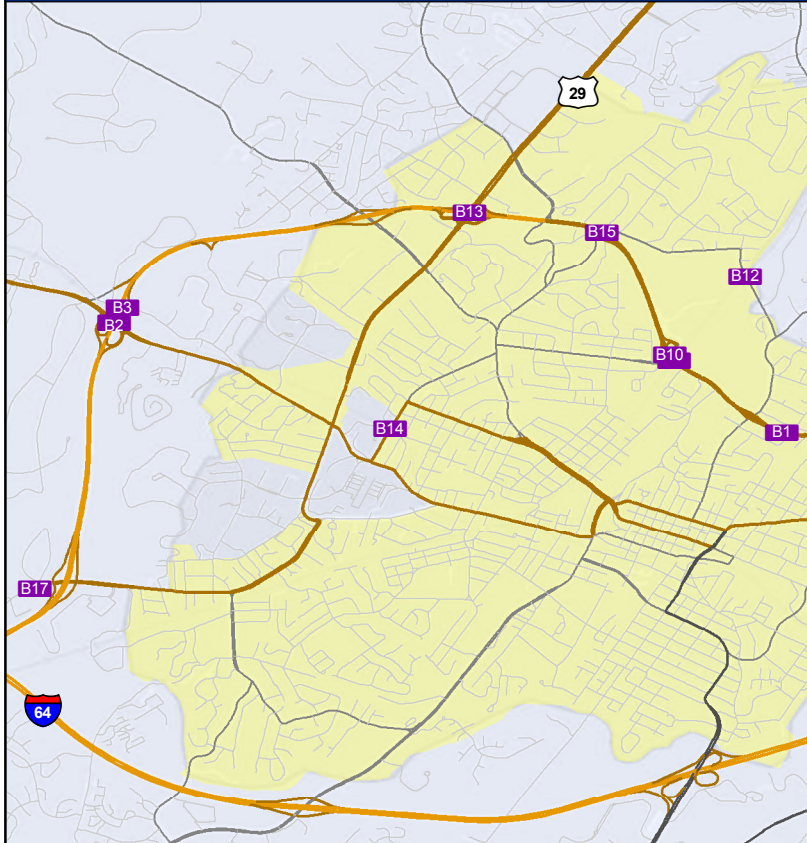
B2	Ivy Rd. (US 250)	Albemarle US 29/US250 Bypass	Bridge Construction, Primary Road: Replace	S	\$21,025,000	VDOT Priority; Would be lengthened to accommodate future widening of US 250/US 29
B3	Old Ivy Rd. (601)	Albemarle US 29/US250 Bypass	Bridge Construction, Primary Road: Replace	S	\$5,796,000	VDOT Priority; Would be lengthened to accommodate future widening of US 250/US 29
B4	Richmond Rd (US 250)	Albemarle Shadwell Creek	Bridge Construction, Primary Road: Replace	S	\$4,611,000	VDOT Priority; Could be replaced with Box Culvert
B5	Crozet Avenue (240)	Albemarle Lickinghole Creek	Bridge Construction, Primary Road: Replace	S	\$2,988,000	VDOT Priority
B6	Louisa Rd (22)	Albemarle Branch Carrol Creek	Bridge Construction, Primary Road: Replace	S	\$2,575,000	VDOT Priority
B7	Red Hill Rd. (708)	Albemarle North Fork Hardware River	Bridge Construction, Secondary Road: Replace	S	\$4,090,000	VDOT Priority
B8	Browns Gap Rd. (680)	Albemarle Lickinghole Creek	Bridge Construction, Secondary Road: Replace	S	\$3,330,000	VDOT Priority
B9	Watts Passage Rd. (600)	Albemarle Preddy Creek	Bridge Construction, Secondary Road: Replace	S	\$3,338,000	VDOT Priority
B10	US 250 Bypass	Charlottesville Rugby Ave	Bridge Construction, Urban Road: Replace	S	\$16,230,000	UNJAM 2035, City Priority
B11	US 250 Bypass	Charlottesville Norfolk Southern Railroad	Bridge Construction, Urban Road: Replace	S	\$13,600,000	UNJAM 2035, City Priority
B12	Melbourne Rd	Charlottesville Norfolk Southern Railroad	Bridge Construction, Urban Road: Replace	M	\$11,402,000	City Priority
B13	US 250 Bypass	Charlottesville US 29	Bridge Construction, Urban Road: Replace	M	\$24,678,000	City Priority
B14	Rugby Rd.	Charlottesville Railroad	Bridge Construction, Urban Road: Replace	M	\$7,073,000	City Priority
B15	Dairy Rd	Charlottesville Route 250 Bypass	Bridge Construction, Urban Road: Replace	S	\$4,798,000	UNJAM 2035, City Priority
B16	Frays Mills Rd. (641)	Albemarle Marsh Run	Bridge Construction, Secondary Road : Replace	S	\$3,289,000	VDOT Priority, UnJAM 2035 ID: I-29
B17	Fontaine Ave. Ext. (702)	Albemarle Morey Creek	Bridge Construction, Secondary Road : Replace	S	\$3,341,000	VDOT Priority

TOTAL COST	\$132,164,000
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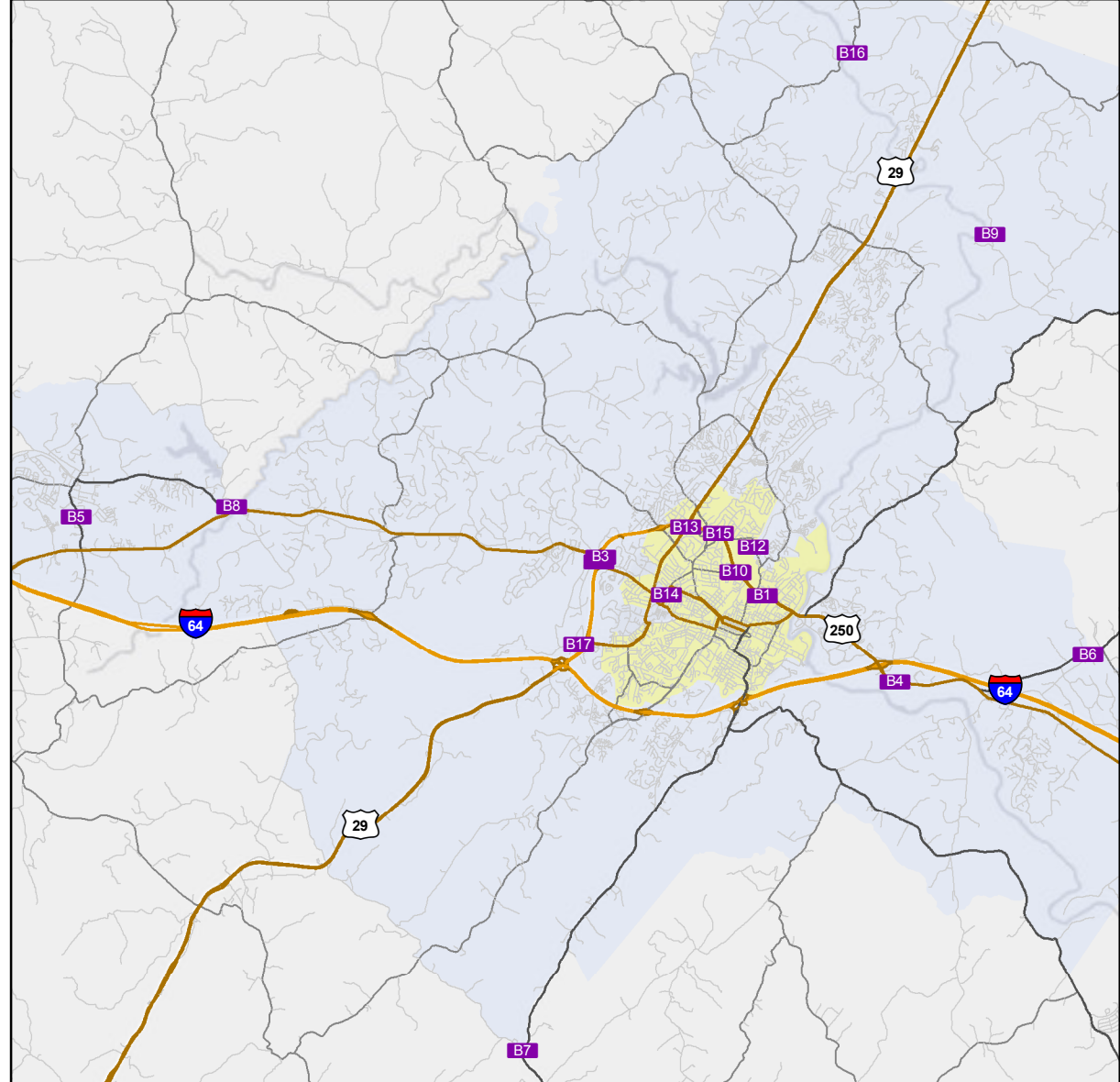
TOTAL COST LRTP FISCALLY-CONSTRAINED	\$146,166,000
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2040 LRTP Bridge Projects

City of Charlottesville



MPO



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BIKE AND PEDESTRIAN PROJECTS*

ID	NAME	Description		Purpose	YOE Term	TOTAL (Inflated to YOE)	Remarks/Comments
		FROM	TO				
US 29 Projects							
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
TOTAL COST						\$15,840,000	

City Projects							
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
TOTAL COST						\$13,717,000	

Pantops Projects							
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 South	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
TOTAL COST						\$2,577,000	

Crozet Projects							
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
TOTAL COST						\$7,334,000	

South Projects							
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
TOTAL COST						\$12,516,000	

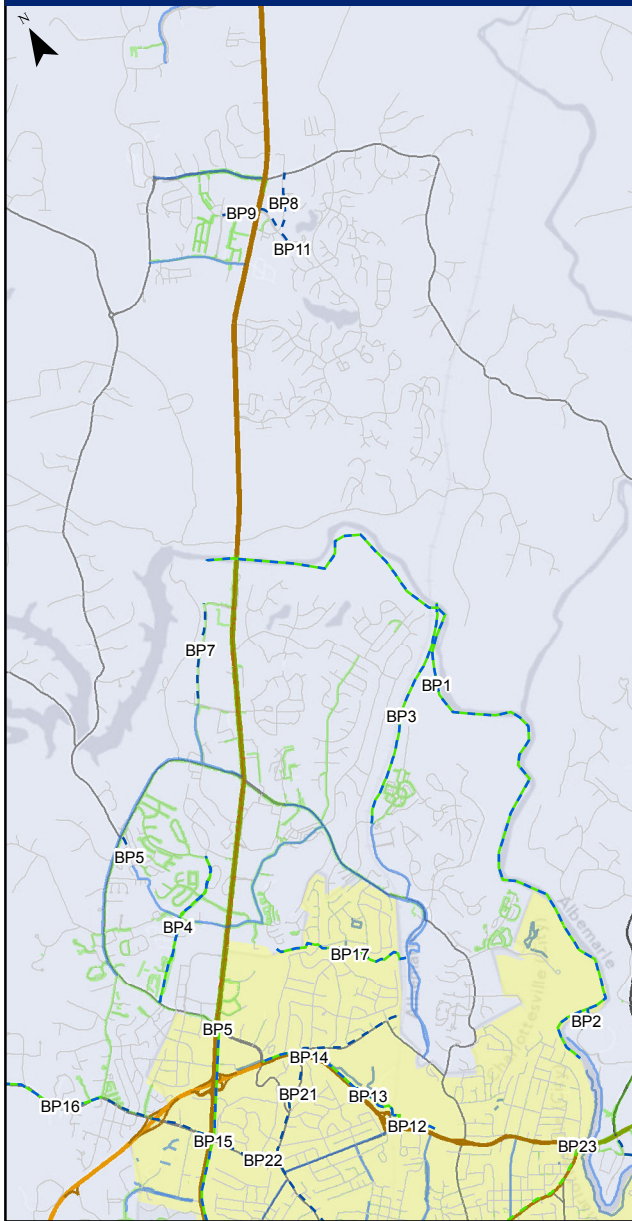
TOTAL COST LRTP FISCALLY-CONSTRAINED **\$51,984,000**

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

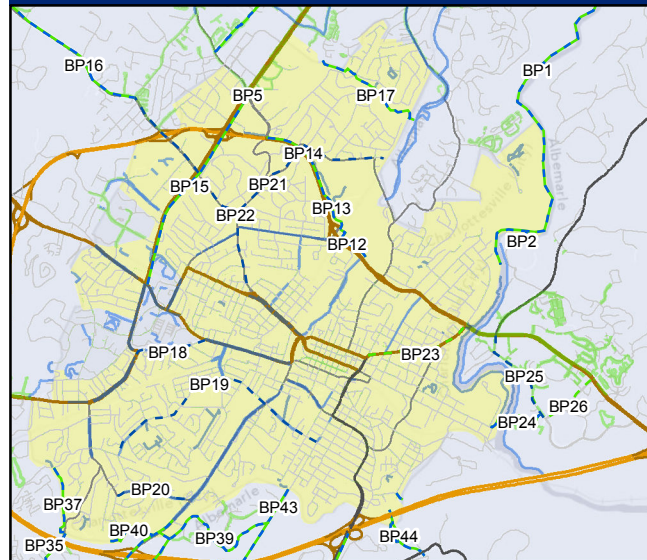
*This funding amount is derived from Group 4 of the MPO's Transportation Improvement Program
 *All estimates are planning-level, based on facility-type and distance
 * Project areas refer to map reference not jurisdiction.

2040 LRTP Bike and Pedestrian Projects

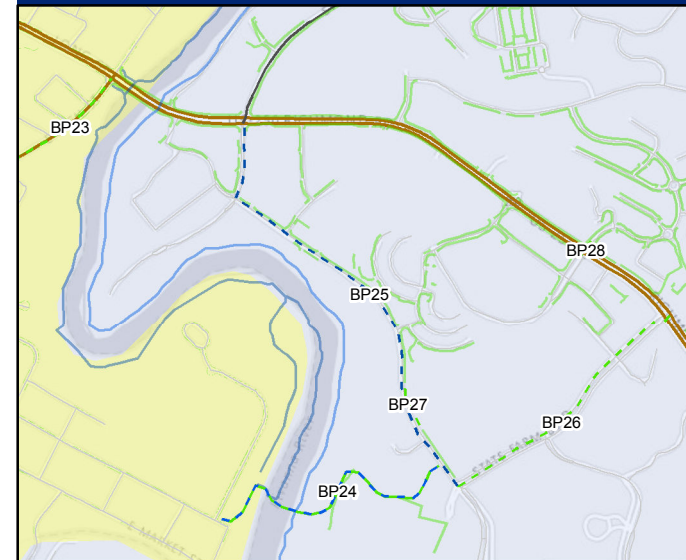
US 29 Corridor



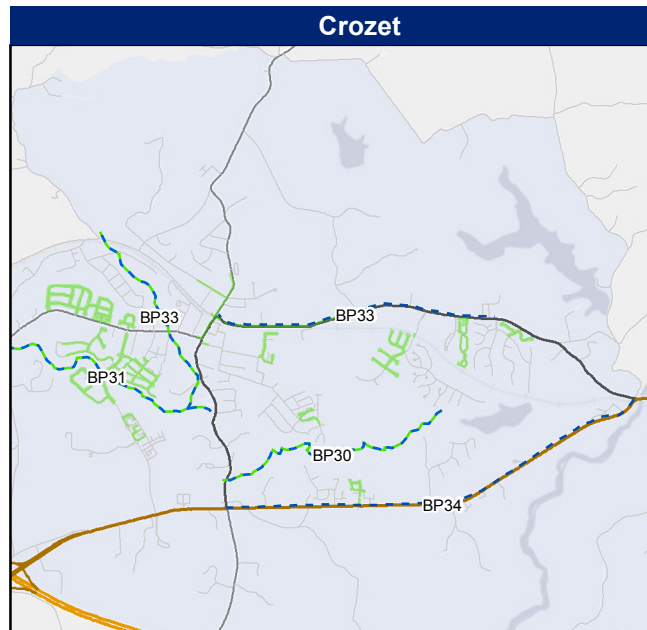
Charlottesville



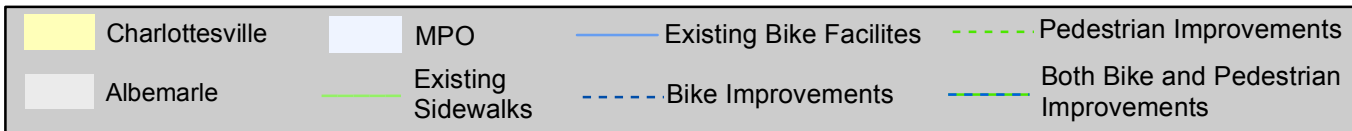
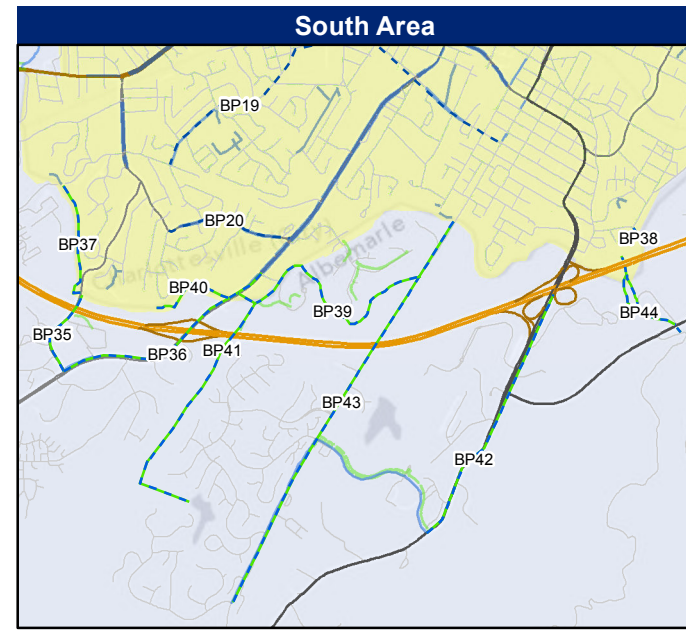
Pantops



Crozet



South Area



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INTERSECTION PROJECTS

ID	Name	Description	Purpose	YOE Term	TOTAL (Inflated to YOE)	Remarks/Comments
n/a	Barracks Road and Emmet Street (US 29/ Route 654)	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	City of Charlottesville US 29/ Emmet Street Adaptive Signalization Project	Extend the US 29 adaptive signal project in Albemarle County into the City along US 29/Emmet Street, terminating at the intersection of Emmet Street and Ivy Road.	Intersection Safety Improvement	S	\$2,000,000	Funding for this project would come from state and local resources, therefore the overall cost of this project does not pull funding from the 2040 LRTP overall estimate. This project is being included in the 2040 LRTP as a regional priority.
n/a	General Intersection Improvements	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.

TOTAL COST	\$56,000,000
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TOTAL COST LRTP FISCALLY-CONSTRAINED	\$56,000,000
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*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.

ALL VISIONING PROJECTS

Project	Description	Purpose	Remarks/Comments
Road Projects			
Rt 20	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.
Bridge Projects			
Keswick Rd (731)	Bridge replacement over Carroll Creek in Albemarle County.	Replace Bridge	
Proffit Rd (649)	Bridge replacement over Norfolk Southern RR in Albemarle County.	Replace Bridge	
Old Three Notch Trail	Bridge replacement over Lickinghole Creek in Albemarle County.	Replace Bridge	
Wheeler Rd	Bridge replacement over Branch Moore's Creek in Albemarle County.	Replace Bridge	
Ivy Depot Rd	Bridge replacement over Little Ivy Creek in Albemarle County.	Replace Bridge	
Wheeler Rd	Bridge replacement over Branch Moore's Creek in Albemarle County.	Replace Bridge	
Blair Park Rd	Bridge replacement over Lickinghole Creek in Albemarle County.	Replace Bridge	
Gilbert Station Rd	Bridge replacement over Norfolk Southern RR in Albemarle County.	Replace Bridge	
Burnley Station Rd	Bridge replacement over Norfolk Southern RR in Albemarle County.	Replace Bridge	
Arrowhead Valley	Bridge replacement over Norfolk Southern RR in Albemarle County.	Replace Bridge	
Bike & Pedestrian Projects			
Rivanna River Trail (north)	Albemarle, US 29 area. From Existing Rivanna River Trail (County); Berkmar Dr Ext (Proposed)	Bike/Ped Multi-Use Path	
Town Branch Trail	Albemarle, US 29 area. Rivanna River Trail (south); Belvedere Dr	Bike/Ped Multi-Use Path	
Dickerson Rd	Albemarle, US 29 area. Chris Greene Lake Rd; Quiet Acres Lane	Bike/Ped Multi-Use Path	
Rio Rd	Albemarle, US 29 area. Crossing Over US 29; Crossing Over US 29	Bike/Ped Bridge	
Timberwood Dr	Albemarle, US 29 area. Crossing Over US 29; Crossing Over US 29	Bike/Ped Bridge	
Berkmar Dr	Albemarle, US 29 area. US 29; W Rio Rd	Bike/Ped Bike Lane	
Hilton Heights Rd	Albemarle, US 29 area. US 29; Berkmar Dr	Bike/Ped Bike Lane	
Carrsbrook Dr	Albemarle, US 29 area. Huntington Dr; US 29	Bike/Ped Bike Lane	
Timberwood Parkway	Albemarle, US 29 area. Timber Pointe Rd; Ashwood Blvd	Bike/Ped Bike Lane	
Ashwood Boulevard	Albemarle, US 29 area. Powell Creek Dr; US 29	Bike/Ped Bike Lane	
Ashwood Boulevard Ext.	Albemarle, US 29 area. Ashwood Boulevard; Berkmar Dr Ext.	Bike/Ped Bike Lane	
Hydraulic Rd	Albemarle, US 29 area. US 250; Commonwealth Dr	Bike/Ped Sidewalk	
Ivy Rd (Bike Rt 76)	Albemarle, city area. Old Ivy Rd; Farmington Rd/Boards Head	Bike/Ped Sidewalk and Bike Lane	
Fontaine Ave	Charlottesville/Albemarle, city area. Fontaine Research Park; Maury Ave	Bike/Ped Sidewalk and Bike Lane	
Sunset Ave/Fontaine Connector	Charlottesville/Albemarle, city area. Sunset Ave; Fontaine	Bike/Ped Multi-Use Path	

ALL VISIONING PROJECTS

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

Intersection Projects

McIntire Rd and Harris St	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
Ridge St/McIntire Rd and West Main St	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
McIntire Rd and Preston Ave	Charlottesville, One-lane roundabout at this location.	Intersection Safety Improvement	Requested by the City of Charlottesville. Intersection Volume; Total Number of Crashes 2005-11
East High St and 9th St NE (BUS 250/20)	Improvement need has been identified but not yet fully assessed.	Intersection Safety Improvement	
Ivy Rd and Owensville Rd (US 250/678)	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 Morgantown Rd. Intersection Vol. 10,000 - 20,000; Total Number of Crashes 2005-11: 6; AADT: 14087
Gordonsville Rd and Louisa Rd (Rt 22/231)	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
US 29 North and Hydraulic Rd (US 29/743)	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
US 250 and Stony Point Rd (US 250/20)	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
US 29 North and Polo Grounds Rd (US 29/643)	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
US 29 North and Ashwood Boulevard (US 29/1670)	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
US 29 North and Airport Rd (US 29/649)	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
US 29 North and Timberwood Boulevard (US 29/1721)	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
Ivy Rd and Emmet St (US 250/29)	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
Rio Rd West and Berkmar Dr (Rt 631/1403)	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
Hydraulic Rd and Lambs Rd (Rt 743/657)	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
Rio Rd and Earlysville Rd (Rt 631/743)	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
Rio Rd and Hillsdale Dr (Rt 631/1427)	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
Crozet Ave and Rockfish Gap Turnpike (Rt 240/250)	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
Hydraulic Rd and Commonwealth Dr (Rt 743/1315)	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
Ivy Rd and Old Ivy Rd (US 250/601)	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
Ridge St and Monticello Ave	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
Rockfish Gap Turnpike and Three Notched Rd (US 250/240)	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
Scottsville Rd and Thomas Jefferson Parkway (Rt 20/53)	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
US 250 and Louisa Rd (US 250/22)	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
Gordonsville Rd and Louisa Rd (Rt 231/22)	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
Ivy Rd and Broomley Rd (US 250/677)	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
Louisa Rd and Black Cat Rd (Rt 22/616)	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
North Milton Rd and US 250 (Rt 729/250)	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
Scottsville Rd and Brookhill Ave (Rt 20/ 1137)	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
Thomas Jefferson Pkwy and Buck Island Rd (Rt 53/729)	Albemarle, Improvement need has been identified but not yet fully assessed.	Intersection Safety Improvement	Total Number of Crashes 2005-11:14; AADT: 9227
Thomas Jefferson and James Monroe Pkwy (Rt 53/795)	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
Thomas Jefferson Pkwy and Milton Rd (Rt 53/ 732)	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

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	\$220,277,069	Summary of Roadway Improvement Projects (Include PE-Only Projects)
Bridges	Bridge Replacement/Reconstruction	Improve Safety and Operations	\$146,166,000	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
Unallocated Funding	Unallocated 2040 LRTP Funds	Multiple	\$93,224,000	This funding is available to redistribute to existing projects or to include new projects in the LRTP.
TOTAL COST LRTP FISCALLY-CONSTRAINED			\$565,651,069	
Transit	Create new services & supporting infrastructure	Facilitate transit mobility	\$143,722,551	Summary of Transit Priorities

Summary Totals

