

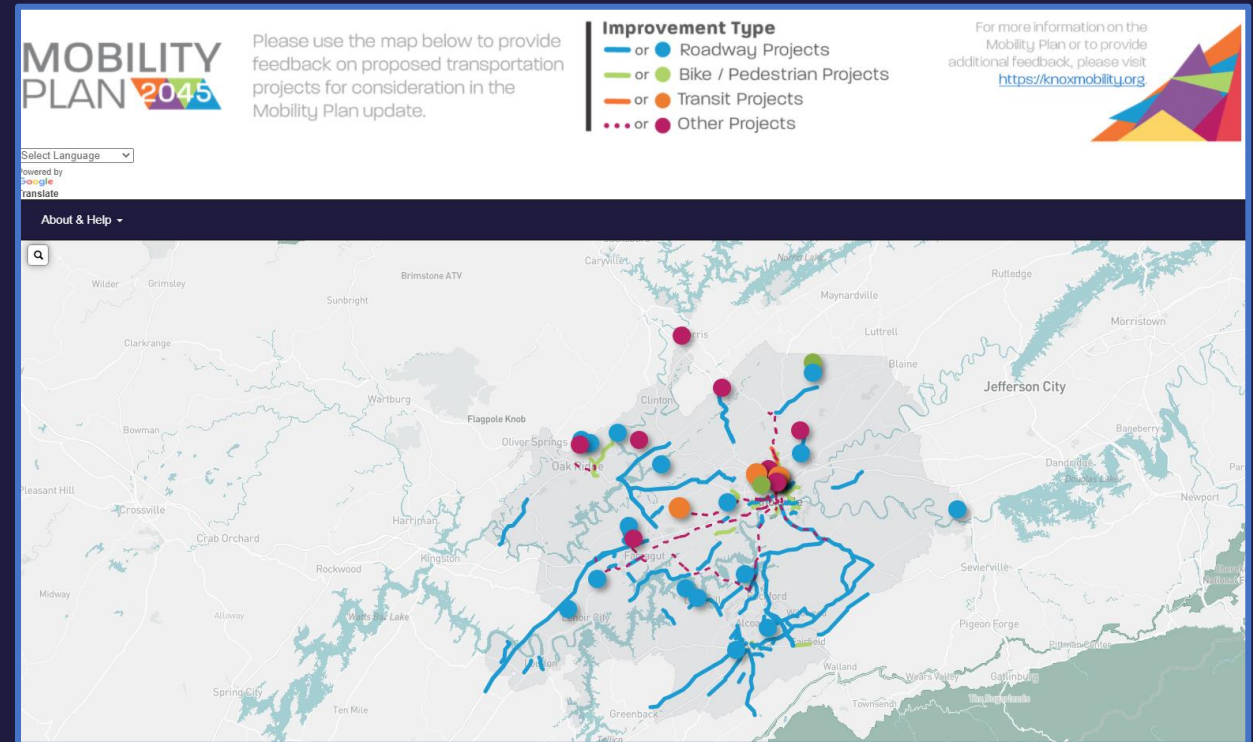
Item 4 – Review of TPO Staff recommended transportation projects to be included in the Mobility Plan 2045 Report

Presenter: Craig Luebke, TPO Staff

Mobility Plan 2045 - Draft Fiscally Constrained Projects List

Code of Federal Regulations Title 23 Part 450.204 –

Fiscal constraint means that the metropolitan transportation plan includes sufficient financial information for demonstrating that projects in the plan, can be implemented using committed, available, or reasonably available revenue sources, with reasonable assurance that the federally supported transportation system is being adequately operated and maintained.



Mobility Plan L-STBG Forecast

Horizon Year 2021-2026

Rollover Revenue \$61.0M	New Revenue \$94.5M	Expenditures \$213.5M	Balance -\$58.0M
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Horizon Year 2027-2035

Rollover Revenue -\$58.0M	New Revenue \$167.0M	Expenditures \$418.0M	Balance -\$309.0M
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Horizon Year 2036-2045

Rollover Revenue -\$309.0M	New Revenue \$228.3M	Expenditures \$197.0M	Balance -\$277.7M
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Mobility Plan Total - All Candidate Projects

Total Revenue \$550.8M	Total Expenditures \$828.5M	Balance -\$277.7M
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Expenditures by Mobility Plan Status - All Candidate Projects

2040 Plan Projects	2040 Plan Illustrative Projects	New for 2045 Plan Projects
\$443.6M	\$132.8M	\$252.0M

Mobility Plan L-STBG Draft Constraint

Horizon Year 2021-2026

Rollover Revenue \$61.0M	New Revenue \$94.5M	Expenditures \$152.2M	Balance \$3.4M
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Horizon Year 2027-2035

Rollover Revenue \$3.4M	New Revenue \$167.0M	Expenditures \$162.6M	Balance \$7.8M
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Horizon Year 2036-2045

Rollover Revenue \$7.8M	New Revenue \$228.3M	Expenditures \$197.0M	Balance \$7.6M
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Mobility Plan Total - All Candidate Projects

Total Revenue \$550.8M	Total Expenditures \$543.2M	Balance \$7.6M
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Expenditures by Mobility Plan Status - All Candidate Projects

2040 Plan Projects	2040 Plan Illustrative Projects	New for 2045 Plan Projects
\$362.9M	\$47.9M	\$132.4M

Mobility Plan Total Revenues

Mobility Plan Total - All Projects		
Total Revenue \$6.7B	Total Expenditures \$3.2B	Balance \$3.5B
National Highway Performance Program (NHPP)		
Total Revenue \$3.3BM	Expenditures \$380.9M	Balance \$2.9M
Highway Safety Improvement Program (HSIP)		
Total Revenue \$442.7M	Expenditures \$34.3M	Balance \$408.4M

Significant expenditures from the NHPP and HSIP programs are captured within TDOT's National Highway System Preservation/Operation and Safety Groupings at the TIP level and are not reflected by specific projects identified in the draft Mobility Plan project list

2045 Mobility Plan: Draft Fiscally Constrained Project List

Project Name	KRMP ID	TIP ID	From	To	Length (miles)	Final Description	Requested Horizon Year	TPO Staff Recommended Horizon Year	Horizon Year Cost	Proposed Funding Source
City of Alcoa										
North Park Blvd & Airbase Rd Safety Improvements	13-210		Intersection		0.3	Realign North Park Boulevard to Airbase Road	2026	2026	\$8,401,024	HSIP
Pellissippi Place Access Road Extension	09-204		Pellissippi Place Existing Terminus	Wildwood Rd	1.2	Construct new 2-lane road with center turn lane or median and bicycle/pedestrian facilities	2030	Illustrative	\$0	L-STBG
Harvest Lane Extension	13-208		Existing Harvest Ln terminus	Louisville Rd (SR-334)	0.2	Construct new 2-lane road with sidewalks	2030	2030	\$2,393,802	L-STBG
Robert C Jackson Dr Extension - Ph I	09-202		Middlesettlements Rd	Louisville Rd (SR-334)	0.7	Construct new 4-lane roadway	2030	2030	\$17,185,013	L-STBG
Robert C Jackson Dr Extension - Ph II	13-203		Louisville Rd (SR-334)	US 129 Bypass (SR-115)	0.5	Construct new 4-lane roadway and grade separated interchange connecting US-129 and Associates Boulevard	2035	2040	\$47,910,322	L-STBG
Topside Road (SR-333) Improvements	09-248		Wrights Ferry Rd	Alcoa Hwy (SR-115/US-129)	1.3	Reconstruct 2-lane road with addition of continuous center turn lane and bicycle/pedestrian facilities	2045	2045	\$9,748,760	S-STBG
Home Avenue Extension	09-220		McCammon Ave	Calderwood St	0.2	Construct new 2-lane road with center turn lane to extend Home Ave through existing shopping center to Calderwood St	2045	2045	\$11,546,153	L-STBG
Wrights Ferry Road Center Turn Lane Improvements	09-207		Airbase Rd	Topside Rd	1.4	Reconstruct 2-lane road with addition of continuous center turn lane and bicycle/pedestrian facilities	2045	2045	\$24,380,779	L-STBG
Blount County										
Blount County Greenway Trail - Phase 1	18-202	20-2017-048			2.27	Greenway trail contained completely within US Highway 321 right-of-way from Heritage High School to Perry's Mill Parking area. It will also include additional bike access link to Old Walland Highway across Melrose Station Bridge.	2026	2026	\$4,310,136	L-STBG-TA
Old Lowes Ferry Rd at Louisville Rd (SR-333) Intersection Improvements	13-214		Intersection		0	Realign intersection and add turn lanes	2026	2026	\$696,588	HSIP
Morganton Road Reconstruction - Phase 1	09-211	20-2014-060	Foothills Mall Dr	William Blount Dr (SR-335)	2.2	Reconstruct 2-lane road with addition of continuous center turn lane and bicycle/pedestrian facilities	2026	2026	\$8,439,940	L-STBG
Ellejoy Rd Reconstruction	09-209		Tuckaleechee Pike	Jeffries Hollow Road	3.7	Reconstruct 2-lane road with addition of turn lanes	2026	2040	\$20,370,866	L-STBG
Burnett Station Rd Reconstruction	09-221		Sevierville Road/SR 35/US 411	Chapman Highway/SR 71/US 441	4.4	Reconstruction of 2-lane road with addition of turn lanes	2026	Illustrative	\$0	L-STBG
Old Niles Ferry Road Reconstruction	09-213		Maryville City Limits	Calderwood Hwy (SR-115)	3.3	Reconstruct 2-lane road with addition of turn lanes	2030	2040	\$19,519,138	L-STBG
Wildwood Rd Reconstruction	09-234		Maryville City Limits	Sevierville Road.	6.1	Reconstruct 2-lane road with addition of turn lanes	2030	Illustrative	\$0	L-STBG
Louisville Rd (SR-333/SR-334) Reconstruction - Phase 1	13-215		Alcoa City Limits	Lackey Creek Bridge	1.9	Reconstruct 2-lane road with addition of turn lanes	2035	Illustrative	\$0	S-STBG
Middlesettlements Rd at Miser Station Rd Intersection Improvements	13-218		Intersection		0	Realign intersection and add turn lanes	2035	2035	\$899,412	HSIP
Morganton Rd Reconstruction - Phase 2	09-229		William Blount Drive	Walker Road	3.3	Reconstruct 2-lane roadway with addition of turn lanes	2035	Illustrative	\$0	L-STBG
Mentor Rd Reconstruction	09-227		Louisville Road/SR 334	Wrights Ferry Road	3.2	Reconstruct 2-lane roadway with addition of turn lanes	2035	Illustrative	\$0	L-STBG
Peppermint Rd Reconstruction	09-244		Wildwood Road	Sevierville Road	1.1	Reconstruct 2-lane road with addition of turn lanes	2035	Illustrative	\$0	L-STBG
Old Knoxville Hwy (SR-33) Reconstruction	09-212		Wildwood Rd	E. Hunt Rd (SR-335)	1.3	Reconstruct 2-lane road with addition of turn lanes	2040	2040	\$11,241,042	S-STBG

2045 Mobility Plan: Draft Fiscally Constrained Project List

Project Name	KRMP ID	TIP ID	From	To	Length (miles)	Final Description	Requested Horizon Year	TPO Staff Recommended Horizon Year	Horizon Year Cost	Proposed Funding Source
Blount County (Continued)										
Sevierville Rd (SR-35/US-411) Reconstruction	09-250		Swanee Dr (Maryville City Limits)	Chapman Hwy (US-441/SR-71)	11.9	Reconstruct 2-lane road with addition of turn lanes	2045	2045	\$78,285,495	S-STBG
Jeffries Hollow Road	21-200		Ellejoy Road	Sevier County Line	2.8	Reconstruction from Ellejoy Rd to Sevier County	2045	2045	\$25,954,490	L-STBG
Old Knoxville Hwy (SR-33) Reconstruction - Rockford	09-231		Pellissippi Pkwy (SR-162)	Knox County Line	4.6	Reconstruct 2-lane road with addition of turn lanes	2045	Illustrative	\$0	S-STBG
Louisville Rd (SR-333) Reconstruction - Phase 2	13-216		Lackey Creek Bridge	Old Lowes Ferry Rd	2.3	Reconstruct 2-lane road with addition of turn lanes	2045	Illustrative	\$0	S-STBG
Montvale Rd (SR-336) Reconstruction	09-249		Maryville City Limits	Six Mile Rd	4.4	Reconstruct 2-lane road with addition of turn lanes	2045	Illustrative	\$0	S-STBG
Morganton Road Phase III	21-205		Walker Road	Henry Lane	2.3	Reconstruct 2-lane roadway with addition of turn lanes	2045	Illustrative	\$0	L-STBG
Morganton Road Phase IV	21-206		Henry Lane	Loudon County Line	2.4	Reconstruct 2-lane roadway with addition of turn lanes	2045	Illustrative	\$0	L-STBG
Ralph Phelps Road	21-207		Lowes Ferry	Louisville Road	1.8	Reconstruct 2-lane road with addition of turn lanes	2045	Illustrative	\$0	L-STBG
Denso Greenway Trail Extension	19-800	20-2020-305	Atchley Dr.	Louisville Rd.		Construction of multi-modal greenway - Project includes a pedestrian bridge,	2026	2026	\$1,126,065	S-STBG-TA
City of Loudon										
Maremont Parkway Resurfacing	21-402		State Route 72	Highland Avenue	1.4	Resurfacing (Roadway milling and installing new pavement for the entire street)	2026	Illustrative	\$0	L-STBG
Corporate Park Drive Resurfacing	21-401		State Route 72	Cul de sac Corporate Park Drive	2.4	Resurfacing project	2026	Illustrative	\$0	L-STBG
Grove Street Resurfacing	17-403		US-11	SR-72	1.3	Resurface roadway and add left turn lane on Hwy 72	2030	Illustrative	\$0	L-STBG
ETHRA										
ETHRA Transit Vehicle Replacement Project	21-1002	20-2020-203			N/A	Purchase of demand response transit vehicles for fleet replacement	2026	2026	\$1,348,650	L-STBG
Town of Farragut										
Jamestowne Boulevard Study	19-703	20-2020-305	SR-1 (Kingston Pike)	Campbell Station Road	N/A	Feasibility and planning study to determine needed improvements to Jamestowne Boulevard in Farragut to provide additional route for motorists and pedestrians to bypass intersection of Kingston Pike at Campbell Station Road.	2026	2026	\$88,184	L-STBG
Farragut Advanced Traffic Management System - Phase 1	13-813	20-2017-024			N/A	Upgrade signal communications and equipment at all signalized intersections within the Town to allow for a centrally controlled signal system	2026	2026	\$7,738,167	CMAQ
Union Rd/N Hobbs Rd Reconstruction	13-601	20-2014-082	Everett Rd	Kingston Pike (SR-1)	1	Reconstruct 2-lane road with addition of turn lanes and bicycle/pedestrian facilities	2026	2026	\$4,546,000	L-STBG
Virtue Road Reconstruction	09-630	20-2020-002	2200' S of Broadwood Dr	Boyd Station Rd	0.95	Reconstruct 2-lane road with addition of turn lanes and bicycle/pedestrian facilities	2026	2026	\$7,716,121	L-STBG
I-40/I-75/Campbell Station Road Interchange	09-629				0	Reconfigure existing interchange to improve capacity, safety and operations.	2030	2030	\$54,546,881	NHPP
I-40/75 Auxiliary Lanes	13-603		Campbell Station Rd Interchange	Lovell Rd Interchange	1.4	Construct eastbound and westbound auxiliary lanes between interchanges	2030	2030	\$12,412,500	NHPP
I-40/75 Widening	09-691		I-40/75 Interchange	Campbell Station Rd Interchange	5.3	Widen from 6 to 8 lanes	2035	2035	\$54,503,516	NHPP

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Project Name	KRMP ID	TIP ID	From	To	Length (miles)	Final Description	Requested Horizon Year	TPO Staff Recommended Horizon Year	Horizon Year Cost	Proposed Funding Source
Town of Farragut (Continued)										
Kingston Pike (SR-1) Widening	09-668		Smith Rd	Campbell Station Rd	1.4	Widen from 4 to 6 lanes with addition of bicycle/pedestrian facilities	2040	2040	\$28,812,844	NHPP
Everett Road Improvements	09-669		Watt Rd	Split Rail Lane	2.5	Reconstruct 2-lane road with addition of continuous center turn lane and bicycle/pedestrian facilities	2045	2045	\$41,173,191	L-STBG
KAT										
Purchase KAT Vehicles - Fixed Route Buses	21-1003	20-2020-205			N/A	Purchase of fixed-route buses for fleet replacement or minor expansion	2026	2026	\$5,185,861	L-STBG
Purchase KAT Vehicles - Fixed Route Buses	21-1003	20-2020-205			N/A	Purchase of fixed-route buses for fleet replacement or minor expansion	2026	2026	\$20,294,499	CMAQ
KAT Bus Engine Overhauls	21-1004	20-2020-210			N/A	Mid-life engine overhauls on 46 transit buses. An engine "overhaul" is a mid-life action on a major component that enables an asset to achieve its useful life and is an FTA-eligible activity under Circular 5010.1E	2026	2020	\$2,210,373	L-STBG
KAT Bus Engine Overhauls	21-1004	20-2020-210			N/A	Mid-life engine overhauls on 46 transit buses. An engine "overhaul" is a mid-life action on a major component that enables an asset to achieve its useful life and is an FTA-eligible activity under Circular 5010.1E	2026	2026	\$3,038,598	L-STBG
Knox County										
County-wide Transportation Study (Knox)	19-707	20-2020-305			N/A	Prepare a countywide transportation plan in conjunction with the General Plan update in order to determine priorities for transportation improvements that address existing and proposed land use	2026	2026	\$688,939	L-STBG
Gibbs Schools Pedestrian Bridge	21-801				N/A	Pedestrian Bridge over Tazewell Pk to serve Gibbs Elementary, Middle, and High Schools	2026	2026	\$2,755,757	MMAG
Knox County Advanced Traffic Management System - Phase II	19-604	20-2017-063			N/A	Installation of DSRC, video detection, and battery backups at all ten intersections from Phase I, and five new intersections; retime all 15 intersections; and install new signal cabinets and wireless interconnect at four new signals.	2026	2026	\$1,705,263	CMAQ
Tazewell Pike and Fairview Road Intersection Realignment	21-604				0	Tazewell Pk and Fairview Rd Intersection Realignment (Intersection improvement with turn lanes and traffic signal)	2026	2026	\$1,929,030	HSIP
I-40/I-75/Watt Rd Interchange	09-651		Interchange at Watt Rd		0	Reconfigure existing interchange to improve capacity, safety and operations.	2026	2026	\$24,250,665	NHPP
Schaad Rd Widening	09-625	20-2014-006	Oak Ridge Hwy (SR-62)	Pleasant Ridge Rd	1.5	Widen from 2 to 4 lanes with addition of sidewalks	2026	2026	\$12,676,484	Local
Intersection Improvement at Beaver Ridge Road and West Emory Road	21-602				0	Installation of turn lanes and signalization at Beaver Ridge Rd and W. Emory Rd in Karns	2026	2026	\$1,653,454	HSIP
Pellissippi Pkwy (SR-162)	09-647		Edgemoor Rd (SR-170)	Dutchtown Rd	6	Corridor safety and capacity improvements to include access control, interchange reconstruction, frontage roads, auxiliary lanes and provision for a shared use path	2026	2030	\$101,976,781	NHPP

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Project Name	KRMP ID	TIP ID	From	To	Length (miles)	Final Description	Requested Horizon Year	TPO Staff Recommended Horizon Year	Horizon Year Cost	Proposed Funding Source
Knox County (Continued)										
Strawberry Plains Pike Improvements	21-603		I-40	Gov. John Sevier Highway	3.4	Widening of Strawberry Plains Pk from Governor John Sevier Hwy to I-40)	2030	Illustrative	\$0	L-STBG
Lovell Rd Widening (SR-131)	09-637	20-2014-002	Cedardale Ln	Middlebrook Pk	1.7	Widen 2-lane to 4-lane, including pedestrian and bicycle facilities.	2030	2030	\$25,490,954	L-STBG
Campbell Station Rd Improvements	10-700		I-40	Hardin Valley Road	3.3	Widening and realignment of Campbell Station Rd from I-40 to Hardin Valley Rd	2030	2030	\$27,487,702	L-STBG
Northshore Dr (SR-332)	09-646		Pellissippi Pkwy (SR-162)	Concord Rd (SR-332)	4.5	Reconstruct 2-lane road with addition of turn lanes and bicycle/pedestrian facilities	2035	2040	\$47,359,784	S-STBG
Northshore Dr (SR-332)	09-645		Morrell Rd	Ebenezer Rd	3.5	Reconstruct 2-lane road with addition of turn lanes and bicycle/pedestrian facilities	2035	2035	\$31,875,020	S-STBG
Northshore Drive Improvements	09-680		Concord	Harvey Road	3.6	Northshore Dr (SR-332) Improvements (Provide better connectivity from Town of Farragut to the residents)	2035	Illustrative	\$0	L-STBG
Gov John Sevier Hwy (SR-168)	09-644		Alcoa Hwy (SR-115/US-129)	Chapman Hwy (US-441/SR-71)	6.5	Widen from 3 to 4-lane divided roadway	2035	2035	\$105,690,856	S-STBG
Oak Ridge Hwy (SR-62)	09-673		Byington Beaver Ridge Rd (SR-131)	Pellissippi Pkwy (SR-162)	4.2	Widen from 2 to 4 lanes	2035	2035	\$62,743,460	NHPP
Maryville Pk (SR-33)	09-675		Gov John Sevier Hwy (SR-168)	Blount County Line	1.2	Reconstruct 2-lane road with addition of turn lanes	2040	Illustrative	\$0	S-STBG
Knoxville - Knox County CAC										
Knoxville-Knox County CAC Transit Capital Project	21-1000	20-2020-204			N/A	Purchase of demand response transit vehicles for fleet replacement	2026	2026	\$1,055,625	L-STBG
Knoxville-Knox County CAC Transit Capital Project	21-1000	20-2020-204			N/A	Purchase of demand response transit vehicles for fleet replacement	2026	2026	\$1,316,563	L-STBG
Knoxville-Knox County CAC Transit Volunteer Assisted Transportation	21-1001	20-2020-201			N/A	Purchase of vehicles for assisted demand response transit services	2026	2026	\$468,479	L-STBG
City of Knoxville										
James White Parkway Roadway improvements	21-606		Sevierville Pk	Bridge over TN River	1.2	This project will relocate the two northbound travel lanes to share the existing pavement for the southbound lanes while maintaining 2 travel lanes in each direction. This will allow the current northbound travel lanes and adjacent excess land to be repurposed to a linear park.	2026	2026	\$11,023,029	L-STBG
Chapman Highway Multiuse Path	13-884		Young High Pk	Stone Rd	0.8	Construct a new shared use path along Chapman Highway from Young High Pike to Stone Road	2026	2026	\$2,667,573	State
South Knoxville Bridge Greenway	21-800		Anita Dr	Morningside Greenway at Riverside Dr	0.6	Construct multi-modal path along James White Pkwy	2026	2026	\$2,645,527	L-STBG-TA
Magnolia Avenue Streetscape - Phase 3	17-608a	20-2017-017	N. Bertrand St	N. Kyle St	0.2	Construct streetscape improvements in the existing right of way that include raised medians replacing center left-turn lane, signal improvements, bike lanes, improved sidewalks, bus pull-offs, and amenities	2026	2026	\$5,511,515	L-STBG
Magnolia Avenue Streetscape - Phase 4	17-608b		N. Kyle St	Spruce St	0.3	Construct streetscape improvements in the existing right of way that include raised medians replacing center left-turn lane, signal improvements, bike lanes, improved sidewalks, bus pull-offs, and amenities	2026	2026	\$7,164,969	L-STBG

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Project Name	KRMP ID	TIP ID	From	To	Length (miles)	Final Description	Requested Horizon Year	TPO Staff Recommended Horizon Year	Horizon Year Cost	Proposed Funding Source
City of Knoxville (Continued)										
KAT Express Transit Service Enhancement - Broadway Transit Signal Priority Implementation	17-1006	20-2017-028			N/A	Implementation of traffic signal and transit enhancements to create a new express BRT route along existing KAT Broadway Route 22. Features include installation of transit signal priority technology, new BRT stops equipped with passenger information systems and potential queue jump applications.	2026	2026	\$12,125,332	CMAQ
First Creek Greenway - Broadway Streetscape	13-838	20-2017-009	Woodland Ave	Cecil Ave	0.3	Construct a new shared use path extending First Creek Greenway from near Cecil Ave to near Woodland Ave	2026	2026	\$1,804,148	L-STBG
East Knox Greenway - Phase 1	17-901	20-2017-011	Willow Ave	Knoxville Botanical Gardens	1.6	Construct a new shared use path connecting First Creek Greenway to Knoxville Botanical Gardens and Arboretum	2026	2026	\$1,806,825	L-STBG
Knoxville Advanced Traffic Management System - Phase 1	13-602	20-2014-042			19	Purchase, installation and integration of signal controllers, signal monitors, closed loop equipment and software. Project also includes development of new signal timing plans for the new equipment and software	2026	2026	\$5,350,000	L-STBG
Woodland Ave. Complete Street	19-606	20-2020-004	N. Broadway	Glenwood Ave	0.5	Install bike lanes, sidewalks, and pedestrian crossing improvements. Project connects a greenway to existing bike lanes.	2026	2026	\$2,755,757	L-STBG
Pleasant Ridge Road	09-616	20-2014-037	Merchant Dr	Knoxville City Limits	1.6	Reconstruct 2-lane road with addition of turn lanes and bicycle/pedestrian facilities	2026	2026	\$4,450,000	L-STBG
South Knoxville Waterfront Roadway Improvements	09-617	20-2014-032	Davenport Rd	Island Home Ave	0.3	Construct roadway streetscape improvements and utility relocations along Sevier Ave and new roundabout at the intersection of Foggy Bottom/Seiver Ave/Island Home Ave.	2026	2026	\$2,170,845	L-STBG
South Knoxville Waterfront Roadway Improvements	09-617	20-2014-032	Davenport Rd	Island Home Ave	0.3	Construct roadway streetscape improvements and utility relocations along Sevier Ave and new roundabout at the intersection of Foggy Bottom/Seiver Ave/Island Home Ave.	2026	2026	\$6,696,063	S-STBG
Chapman Highway Advanced Traffic Management System	13-1003	20-2014-078	Mountain Grove Dr	Blount Ave	6.3	Expand the City of Knoxville's Advanced Traffic Management System along Chapman Highway.	2026	2026	\$3,504,221	CMAQ
Washington Pike	09-615	20-2014-038	I-640	Murphy Rd	1.7	Widen from 2 to 4 lanes	2026	2026	\$19,422,578	L-STBG
Traffic Signal Improvements for the U.T. Area	19-603	20-2017-061			N/A	Addition of following elements: an ATMS data server, DSRC capable ATC controllers, high speed wireless network, and radio equipment. This proposal will increase ATMS capabilities and decrease traffic delay by being better able to sense traffic flow and provide SPaT and related data sharing features.	2026	2026	\$3,270,533	CMAQ
Tyson Fort Sanders Bike Connection	17-911	20-2020-305	Fort Sanders Neighborhood	Tyson Park	0.5	Construct new shared use path between Fort Sanders Neighborhood and Tyson Park	2026	2026	\$6,062,666	L-STBG-TA
Middlebrook Pike (SR-169) ATMS Expansion	18-603	20-2017-051	College St	Joe Hinton Rd	6.5	Expand the City of Knoxville's Advanced Traffic Management System along Middlebrook Pike/Univesity Ave.	2026	2026	\$2,678,596	CMAQ
Liberty Street Multimodal Project	13-1004	20-2014-080	Middlebrook Pk (SR 169)	Sutherland Ave	1.1	Addition of sidewalks and bicycle facilities along Liberty and Division Streets.	2026	2026	\$1,555,500	L-STBG
Knoxville Northwest Greenway Connector Ph. 2	13-858	20-2020-305	Middlebrook Pk. at Third Creek Rd.	SR 62 Western Ave. pedestrian bridge		New trail connecting from Middlebrook Pk. At Third Creek Rd. to SR 62 Western Ave. pedestrian bridge. ADA upgrades and pedestrian lighting.	2026	2026	\$2,569,950	S-STBG-TA
South Waterfront Greenway - East of Suttree	17-850	20-2017-049	Suttree Landing Park	Riverside Landing Park	1.9	Construct a new shared use path along the Tennessee River connecting South Waterfront Greenway to Will Skelton	2026	2026	\$7,617,311	L-STBG

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Project Name	KRMP ID	TIP ID	From	To	Length (miles)	Final Description	Requested Horizon Year	TPO Staff Recommended Horizon Year	Horizon Year Cost	Proposed Funding Source
City of Knoxville (Continued)										
Atlantic Avenue Sidewalk	13-880	20-2020-305	Pershing St	Broadway	0.6	Construct 3,000 linear feet of sidewalks on Atlantic Ave between Pershing St and Broadway	2026	2026	\$1,333,787	L-STBG
Papermill Drive Complete Street	09-689		Weisgarber Rd	Kingston Pike (SR-1)	0.6	Reconstruct 2-lane road with addition of turn lanes and bicycle/pedestrian facilities	2026	2030	\$13,225,215	L-STBG
Knoxville Center Mall Circulation Study	17-605				N/A	Conduct a planning study of the Knoxville Center, I-640 Interchange, frontage roads, and nearby arterial and collectors including a feasibility study to add a new exit from I-640)	2030	Illustrative	\$0	L-STBG
Magnolia Avenue Streetscape - Phase 5	17-608c		Spruce St	N. Cherry St	0.4	Construct streetscape improvements in the existing right of way that include raised medians replacing center left-turn lane, signal improvements, bike lanes, improved sidewalks, bus pull-offs, and amenities	2030	2030	\$12,187,943	L-STBG
First Creek Greenway - Downtown East	13-844		Caswell Park	Morningside Park	1.4	Construct a new shared use path along First Creek connecting Caswell Greenway to Morningside Greenway	2030	2030	\$2,567,248	L-STBG-TA
Middlebrook Pike Complete Street	19-605	20-2020-003	Western Ave	Proctor St	0.85	Install protected bicycle facilities, improve sidewalks and upgrade bike/pedestrian treatments at three intersections. Project connects existing bike/ped facilities on University Avenue to the greenway on Middlebrook Pike at Proctor Street.	2030	Illustrative	\$0	L-STBG
Knoxville Advanced Traffic Management System - Phase 2	17-801				N/A	Additional upgrades of the City traffic signal system following Phase 1.	2030	2030	\$9,983,741	CMAQ
Magnolia Ave/Rutledge Pike/Asheville Hwy Interchange Improvements	21-600				0	Construct interchange improvements to consist of intersection improvements, bike lanes and enhanced sidewalks	2030	2030	\$15,818,395	L-STBG
James White Parkway corridor improvements	21-605				1.2	Address vehicular, pedestrian, and cyclist needs in local roadway network adjacent to James White Pkwy. Includes: Hillwood Ave from Anita Dr to Island Home Ave, Anita Dr from Sevier Ave to Hillwood Ave and Sevierville Pk from Woodlawn Pk to Sevier Ave	2030	2030	\$6,482,949	L-STBG
Adair to Old Broadway Connection	21-802		Old Broadway	N Broadway	0.2	Construct new multiuse path to connect existing path on Old Broadway to north of Adair Drive	2030	2030	\$3,110,368	L-STBG-TA
Knoxville South Waterfront Pedestrian/Bicycle Bridge	13-852	20-2014-073	Clancy Ave	UT	0.3	Construct a new pedestrian/bicycle bridge over the Tennessee River connecting the South Knoxville Waterfront redevelopment area to the University of Tennessee	2035	Illustrative	\$0	L-STBG
First Creek Greenway - North Knox	13-855		Edgewood Park	Mineral Springs Ave	1.3	Construct a new shared use path along First Creek connecting Edgewood Park to the proposed First Creek Greenway - Old Broadway segment at Mineral Springs Avenue	2035	2035	\$4,194,082	L-STBG-TA
Tazewell Pike Sidewalk	17-910	20-2017-047	Old Broadway	Jacksboro Pk	0.6	Construct sidewalk along Tazewell Pike from Old Broadway to Jacksboro Pike	2035	2035	\$1,521,308	L-STBG-TA
Baker Creek Greenway	13-854		Maynard Glenn Park	Island Home Ave	1	Construct a new shared use path along Baker Creek, connecting Maynard Glenn Park, Mary James Park, to the proposed South Waterfront Greenway	2040	2040	\$2,959,987	L-STBG-TA

2045 Mobility Plan: Draft Fiscally Constrained Project List

Project Name	KRMP ID	TIP ID	From	To	Length (miles)	Final Description	Requested Horizon Year	TPO Staff Recommended Horizon Year	Horizon Year Cost	Proposed Funding Source
City of Knoxville (Continued)										
South Waterfront Greenway -West of Cityview (A riverwalk connector from the existing CityView Public Riverwalk to Scottish Pike Park)	17-859		City View Public Greenway	Scottish Pk Park	1.9	A riverwalk connector from the existing CityView Public Riverwalk to Scottish Pike Park	2040	2040	\$11,481,160	L-STBG-TA
Westland Drive Bike Lane	17-913		Morrell Rd	Northshore Dr (SR-332)	1.9	Construct bicycle lanes along both sides of roadway	2040	Illustrative	\$0	L-STBG-TA
City of Lenoir City										
US 11 at Industrial Park Drive Intersection Improvement	17-407		Intersection of US 11 at Industrial Park Dr		0.2	Intersection improvements including turn lanes and new traffic signal	2026	2026	\$909,400	HSIP
Loudon County										
Muddy Creek Road Intersection Realignment	17-416		Intersection		0.1	Realign intersection and add turn lanes	2026	2026	\$529,877	HSIP
City of Maryville										
Maryville to Townsend Greenway - Phase 1 (Brown Creek)	13-833	20-2017-006	Aluminum Ave	US 321	1.2	Construct a new shared use path between the existing Maryville/Alcoa Greenway at Aluminum Avenue to Lamar Alexander Pkwy along Brown Creek	2026	2026	\$1,806,269	L-STBG
Carpenters Grade Rd Reconstruction and Intersection Improvements	09-223	20-2017-042	Raulston Rd	Kirkland Estates Blvd	0.7	Reconstruct 2-lane road with addition of turn lanes and sidewalk. Construct roundabout at Peterson Ln, Cochran Rd and Raulston Rd intersection.	2026	2026	\$3,761,000	L-STBG
Sevierville Rd (SR-35/US-411) Widening	09-214	20-2014-059	Washington St (SR-35)	Walnut St	0.4	Reconstruct 2-lane road with addition of continuous center turn lane and bicycle/pedestrian facilities	2026	2026	\$14,660,629	L-STBG
Foothills Mall Drive Extension Phase II	10-260	20-2020-005	Foch Street	McCammon Ave	0.7	Construct new 2-lane road with center turn lane and sidewalks	2026	2026	\$4,723,831	L-STBG
W Broadway Ave (SR-33/US-411) Improvements	09-242	20-2020-006	S Cedar St	US 321	0.5	Construct additional westbound left turn lane at intersection with Lamar Alexander Pkwy and convert continuous center turn lane to additional westbound through lane along W Broadway Avenue. Project includes construction of new shared use path and other bicycle/pedestrian enhancements	2030	2030	\$6,754,584	L-STBG
Old Niles Ferry Road Widening	21-202		Savannah Park Drive	W. Broadway Avenue	1.5	Widen existing 2-lane roadway to include curb, gutter, and sidewalk on both sides	2030	2030	\$6,476,530	L-STBG
Sandy Springs Rd at Montgomery Ln Intersection Improvements	09-240		Intersection		0	Intersection improvements including turn lanes and new traffic signal	2030	2030	\$1,495,108	HSIP
W. Broadway Avenue (S.R. 33) Improvements from Old Niles Ferry Road to S. Cedar Street	21-203		Old Niles Ferry Road	S. Cedar Street	0.5	Widen existing 2-lane roadway to include concrete curb, gutter, and sidewalk on both sides of the roadway and installation of auxiliary turning lanes where needed. Modification of an existing traffic signal at Magnolia Ave. Realignment and geometric improvements at the intersection of Old Niles Ferry Rd, which will include Best St	2035	2035	\$5,947,970	L-STBG
Washington Street Improvements from E. Broadway Ave. to U.S. 321	21-204		E. Broadway Avenue (S.R. 33)	E. Lamar Alexander Parkway (U.S. 321/S.R. 73)	0.4	Reconstruction of the existing 5-lane roadway to contain standard width lanes, curb, gutter, and sidewalk, along with a pedestrian buffer along both sides of the roadway	2035	2035	\$14,488,645	L-STBG
Sevierville Rd (SR-35/US-411) Widening	09-245		Everett High Rd	Maryville City Limits	2	Reconstruct 2-lane road with addition of continuous center turn lane and bicycle/pedestrian facilities	2035	2035	\$29,398,113	NHPP

2045 Mobility Plan: Draft Fiscally Constrained Project List

Project Name	KRMP ID	TIP ID	From	To	Length (miles)	Final Description	Requested Horizon Year	TPO Staff Recommended Horizon Year	Horizon Year Cost	Proposed Funding Source
City of Maryville (Continued)										
Intersection Improvements on U.S. 321 Realign Amerine Road and Grandview Drive	21-201				0	Intersection improvements on Lamar Alexander Pkwy (SR-73/US-321) near Grandview Drive and Amerine Road/Janet Lane to include realignment and signalization	2040	2040	\$10,046,015	L-STBG
Montvale Rd (SR-336) Widening	09-239		Montvale Station Rd	Maryville South City Limits	2.4	Reconstruct 2-lane road with addition of continuous center turn lane and bicycle/pedestrian facilities	2040	2040	\$16,776,845	S-STBG
Wilkinson Pike Widening	09-243		Court Street	City Limits	0.9	Reconstruct 2-lane road with addition of turn lanes and sidewalk	2040	2040	\$7,101,797	L-STBG
Tuckaleechee Pike Reconstruction	09-241		US 321	Grandview Dr	1.1	Reconstruct 2-lane road with addition of turn lanes and sidewalk	2045	2045	\$11,965,999	L-STBG
Amerine Road Improvements	17-201		Fielding Drive	Sevierville Rd	0.5	Reconstruct 2-lane road with addition of turn lanes and sidewalk	2045	Illustrative	\$0	L-STBG
City of Oak Ridge										
TVA Bull Run Site Study	19-708	20-2020-305			N/A	Study to evaluate the redevelopment opportunities and transportation impacts of the TVA Bull Run Fossil Plant facility	2026	2026	\$68,894	L-STBG
Oak Ridge Traffic Control & Communication System Upgrades	13-802	20-2017-053			N/A	Replace traffic control and communication system, adding pedestrian safety and bicycle friendly elements, including emergency vehicle accommodation.	2026	2026	\$3,147,516	CMAQ
Emory Valley Road at Lafayette Drive Intersection	17-101		Intersection		0	Remove dedicated right turn lane from Emory Valley (west) to Lafayette Drive (north) with standard right turn lane.	2026	2026	\$485,013	HSIP
Oak Ridge Rails to Trails	13-830	20-2017-046	Melton Lake Rd/Greenway	Scarboro Rd	4.5	Construct new shared use "rails-to-trails" path along an abandoned rail line through the City of Oak Ridge.	2026	2026	\$4,073,508	L-STBG
Oak Ridge Signal Timing Optimization Program: Phase III	19-100	20-2017-064			N/A	Primary elements of include the installation of advanced traffic controllers (ATC) at ten (10) intersections, the installation/replacement of wireless interconnect at eleven (11) intersections, the replacement of loop detectors with non-intrusive radar vehicle detection at ten (10) intersections, installation of dedicated short-range communications (DSRC) equipment at eleven (11) intersections and the installation of flashing yellow arrow signal heads at ten (10) intersections. Additional improvements include replacing signal heads with more efficient LED signal heads, installing accessible pedestrian signals at all intersections, signing and marking upgrades, and the reconstruction of curb ramps that are not ADA compliant.	2026	2026	\$3,257,305	CMAQ
Emory Valley Road at Melton Lake Drive Roundabout	13-101		Intersection		0	Construct roundabout	2026	2026	\$1,079,155	HSIP
Lafayette Drive Bicycle and Pedestrian Safety Improvements	21-100		From S Illinois (SR 62)	Oak Ridge Turnpike (SR 95)	1.5	Widen Lafayette Dr to add bicycle lanes on both sides between S. Illinois (SR-62) and Oak Ridge Turnpike (SR-95), construct 1.5 miles of sidewalk with curb along the entire west side of the street, and add one new crosswalk at the Manchester/Hendrix intersection to provide direct connection to the Rails to Trails greenway	2030	2030	\$1,750,396	L-STBG-TA
Tulane Avenue at Pennsylvania Avenue Roundabout Construction	13-102		Intersection		0	Construct roundabout	2030	2030	\$1,269,361	HSIP
West End Corridor Intersection Improvements	21-101		Renovare Boulevard	Broadberry Avenue at Gallaher Road (SR 58)	N/A	Intersection improvements along Oak Ridge Turnpike (SR-95/SR-58) at Renovare Blvd, Novus Dr, Heritage Center Blvd, and Broadberry Ave at Gallaher Rd	2030	2030	\$2,593,179	L-STBG

2045 Mobility Plan: Draft Fiscally Constrained Project List

Project Name	KRMP ID	TIP ID	From	To	Length (miles)	Final Description	Requested Horizon Year	TPO Staff Recommended Horizon Year	Horizon Year Cost	Proposed Funding Source
Regional Improvement Groupings										
Resurfacing Program	21-702				N/A	Projects for preservation, rehabilitation, resurfacing and restoration of federal aid roadways	2026	2026	\$2,204,606	L-STBG
Safety Improvements Program	21-703				N/A	Projects that correct or improve a hazardous road location or feature or address a highway safety problem.	2026	2026	\$2,204,606	L-STBG
Resurfacing Program	21-702				N/A	Projects for preservation, rehabilitation, resurfacing and restoration of federal aid roadways	2035	2035	\$3,050,241	L-STBG
Safety Improvements Program	21-703				N/A	Projects that correct or improve a hazardous road location or feature or address a highway safety problem.	2035	2035	\$3,050,241	L-STBG
Resurfacing Program	21-702				N/A	Projects for preservation, rehabilitation, resurfacing and restoration of federal aid roadways	2045	2045	\$4,220,242	L-STBG
Safety Improvements Program	21-703				N/A	Projects that correct or improve a hazardous road location or feature or address a highway safety problem.	2045	2045	\$4,220,242	L-STBG
City of Sevierville										
Boyd's Creek Highway (SR 338) at Old Knoxville Highway Intersection Improvements	18-500	20-2017-044	at Old Knoxville Highway Intersection		0	Reconfigure existing intersection to improve safety and operations through geometric layout changes, addition of turn lanes, and installation of a new traffic signal.	2026	2026	\$1,207,022	L-STBG
TDOT										
Alcoa Hwy (SR-115/US-129) ITS Expansion - Ph 1	18-200a	20-2020-009 & 20-2020-010	I-140	Topside Rd	2.2	ITS Smartway Geographic Expansion	2026	2026	\$680,672	NHPP
I-140 ITS Expansion	18-201	20-2017-050	Near MM 2	Near MM 11	9.2	I-140 ITS Expansion to include the installation of a power and communication network and ITS Devices such as CCTV cameras, DMS, and RDS	2026	2026	\$5,180,824	NHPP
I-75 ITS Expansion	18-600	20-2017-034	MM 109.6	SR-61 (Exit 122)	13.03	ITS Expansion	2026	2026	\$551,151	NHPP
Pellissippi Pkwy (SR-162)/Oak Ridge Hwy Interchange	09-649	20-2017-057	Interchange at Oak Ridge Hwy (SR-62)		0	Reconstruct interchange to a Single Point Urban Interchange and provide connection to Solway Rd	2026	2026	\$23,589,283	IA
I-75 at Emory Rd (SR-131) Interchange	09-652				0	Reconfigure existing interchange to a Diverging Diamond Interchange to improve capacity, safety and operations.	2026	2026	\$12,676,484	IA
US 129 Widening	17-202	20-2017-005	Hall Rd (SR-35)	US 321	2.6	Widen from 4 to 6 lanes within existing right-of-way	2026	2026	\$25,022,277	IA
Relocated Alcoa Hwy (SR-115/US-129)	09-257	20-2014-035	Proposed Interchange at Tyson Blvd	Pellissippi Pkwy (SR-162)	2.9	Construct new 4-lane divided highway with auxiliary lanes and new interchanges at McGhee Tyson Airport access, Wright Rd and Pellissippi Pkwy (SR-162)	2026	2026	\$129,300,135	IA
Alcoa Hwy (SR-115/US-129) Widening	09-653	20-2014-069	Woodson Dr	North of Cherokee Trail	1.3	Widen 4-lane to 6-lane including pedestrian and bicycle facilities.	2026	2026	\$72,751,994	IA
Chapman Hwy (US-441/SR-71)	09-626d	HSIP	Hendron Chapel Rd	Simpson Rd	0.9	Add center turn lane	2026	2026	\$9,920,726	HSIP
Pellissippi Pkwy (SR-162) Extension	09-232	20-2014-025	From Henry Lane to Loudon County Line	Lamar Alexander Pkwy (US-321/SR-73)	4.4	Construct new 4-lane highway	2026	2026	\$92,924,138	IA
Relocated Alcoa Hwy (SR-115/US-129)	09-258	17-2014-084	Pellissippi Pkwy (SR-162)	South Singleton Station Rd	1.3	Construct new 4-lane divided highway with auxiliary lanes and new interchange at Singleton Station Rd	2026	2026	\$59,524,359	IA
Edgemoor Road (SR-170) - Phase 2	09-101b	20-2017-037	Melton Lake Dr	Clinton Hwy (US-25W/SR-9)	3.6	Widen from 2-lanes to 4-lanes with median and/or center turn lane. Also includes bicycle/pedestrian facilities and a new bridge over the Clinch River.	2030	2030	\$91,539,234	IA
Montvale Rd (SR-336) Widening	09-262	20-2011-082	Montvale Station Rd	US 321	0.6	Reconstruct 2-lane road with addition of continuous center turn lane and bicycle/pedestrian facilities	2030	2030	\$21,782,707	IA
Alcoa Hwy (SR-115/US-129) Widening	09-216	20-2014-003	Pellissippi Pkwy (SR-162)	Little River (Knox/Blount County Line)	3.2	Widen 4-lane to 6-lane with frontage road system and new interchange at Topside Rd (SR-333). Reconfigure existing	2030	2030	\$138,929,588	IA
Alcoa Hwy (SR-115/US-129) ITS Expansion - Ph 2	18-200b		Topside Rd	Cherokee Trail Interchange	5.2	ITS Smartway Geographic Expansion	2030	2030	\$2,531,591	NHPP
Northshore Drive at Kingston Pike Intersection Improvements	09-658	20-2017-039	Intersection		0	Intersection Improvements	2030	2030	\$29,463,705	IA
Emory Rd (SR-131)	09-643	20-2017-036	Maynardville Hwy (SR-33)	Tazewell Pk (SR-331)	4.9	Widen from 2 to 4 lanes	2030	2030	\$91,539,234	IA

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Project Name	KRMP ID	TIP ID	From	To	Length (miles)	Final Description	Requested Horizon Year	TPO Staff Recommended Horizon Year	Horizon Year Cost	Proposed Funding Source
TDOT (Continued)										
Edgemoor Road (SR-170) - Phase 1	09-101a	20-2017-037	Oak Ridge Hwy (SR-62)	Melton Lake Dr	2.6	Widen from 2-lanes to 4-lanes with median and/or center turn lane. Also includes bicycle/pedestrian facilities and a new bridge over the Clinch River.	2030	2030	\$71,442,093	IA
Chapman Hwy (SR-71/US-441) Operational and Safety Improvements - Knox County	09-626	20-2017-040	Mountain Grove Dr	Knox/Blount County Line	10.3	Operational and safety improvements including turn lanes at various locations along the corridor.	2035	2035	\$77,018,589	IA
I-75/I-640/I-275 Interchange	09-654	20-2017-038			1.6	Interchange improvements to include additional through lanes on I-75 north and southbound ramps.	2035	2035	\$134,210,611	IA
Oak Ridge Hwy (SR-62)	09-638		Schaad Rd	Byington Beaver Ridge Rd	4.2	Widen from 2 to 4 lanes	2035	2035	\$78,238,685	IA
I-75 Widening	09-692	20-2017-056	Emory Rd (SR-131)	Raccoon Valley Rd (SR-170)	5.3	Widen from 4 to 6 lanes	2035	2035	\$183,319,493	IA
I-40 Westbound Interchange at I-275	21-601		I-275	Near I-640	2	Interchange improvements on westbound I-40 from I-275 to near SR-115 (US-129))	2040	2040	\$101,895,293	IA
I-75 Widening	21-400		Pond Creek Rd (SR-323)	I-40/I-75 Junction	16.1	Widen from 4 to 6 lanes	2040	2040	\$361,119,430	IA
TPO										
Smart Trips	21-700	20-2014-207, 20-2017-209			N/A	Smart Trips Comprehensive and Ridesharing Program	2026	2026	\$1,194,070	CMAQ
Bike Parking	21-701	20-2014-225			N/A	Provide convenient and secure bike parking destinations by reducing cost for businesses and agencies to provide bike parking for employees and customers.	2026	2026	\$22,046	CMAQ

Regional Improvement Groupings

- New for 2045 Plan - L-STBG groupings are proposed to establish identified funding for projects addressing grouping intent and deemed eligible
 - Safety Grouping - \$9.5 M over the life of the plan
 - Resurfacing Grouping - \$9.5 M over the life of the plan

Mobility Plan 2045 Schedule Update

- Draft Project List will be reviewed by local partners in November
- Draft Plan components currently undergoing staff review
- TDOT and IAC Review of Draft Plan Jan-Feb, 2021
- Draft Plan also available for Public Review at this time
- FHWA/FTA/EPA March-April, 2021
- Draft Plan also available for Public Review at this time
- Technical Committee and Executive Board Vote on Plan in April 2021

Questions or comments?

