

**Item 3 –
Motion to Recommend Approval of
prioritization of TDOT projects for
consideration in the 2022-2024
TDOT 3-Year Program to the
Executive Board**

Presenter: Mike Conger, TPO Staff

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TN

Prioritizing and Ranking of Tennessee's Projects



TN

Project Prioritization

- Comprehensive Multimodal Program
- Highway Program
- 3 Year Plan

What is it?

How can you help?

- New Start Projects
 - Remaining Phase Projects
-
- Tell us your priority
 - Be honest and be realistic
 - Bring us new project ideas
 - Creative alternatives
 - Bring us new projects
 - Support your projects financially

Data we use:

Funding Phase	FY 2023 (Year 3)	FY 2022 (Year 2)	FY 2021 (Year 1)
Environmental Studies	Project that requires extensive work to be completed prior to an alignment selection and defined scope and cost.	Funding Phase	Final work to be completed prior to an alignment selection and defined scope and cost.
PE (1)	Projects with multiple alternatives Projects that are high profile, controversial, or with enhanced public involvement anticipated	Environmental Studies	Project that requires extensive environmental work to be completed prior to an alignment selection and defined scope and cost.
ROW	NEPA DOC approved (Activity 300) within 24 months or by January 2022 Prepare ROW Plans (Activity 535) underway or by January 2020	PE (1)	Projects with multiple alternatives, uncertain scope or terminus Projects that are high profile, controversial, or with enhanced public involvement anticipated
Construction or Stage Construction	ROW Plans Distribution (Activity 625) complete January 2020	ROW	NEPA DOC approved (Activity 300) within 24 months or by January 2022 Prepare ROW Plans (Activity 535) underway or by January 2020
Paving	Stage Construction complete within 30-36 months June 20		
CMQC or DB	Can show PE, ROW, &/or Construction project dates.		

(1) Year 1 of the work program will include an estimated amount of PE funds (State 480 funds) needed to initiate the Planning and Environmental Studies for any new start projects listed in Year 2 or year 3 of the work program. When the project planning reports are complete and the projects are included in the appropriate TIP's and STIP's the Programming Division will authorize PE-NEPA and will distribute the federal-aid project number accordingly.

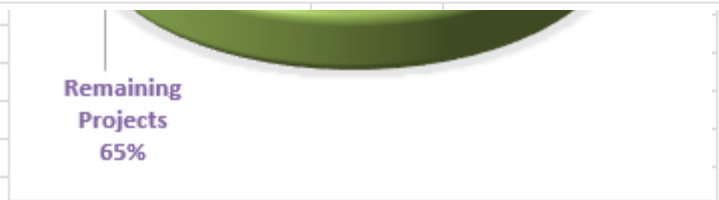
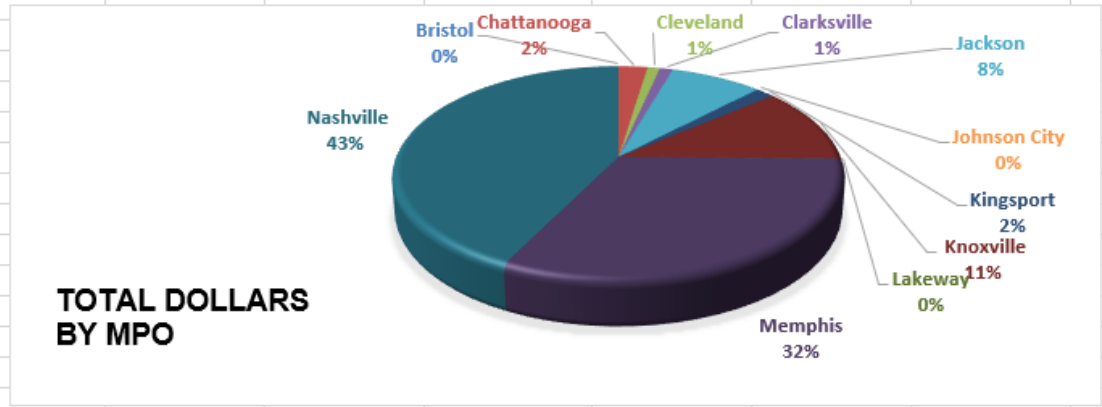
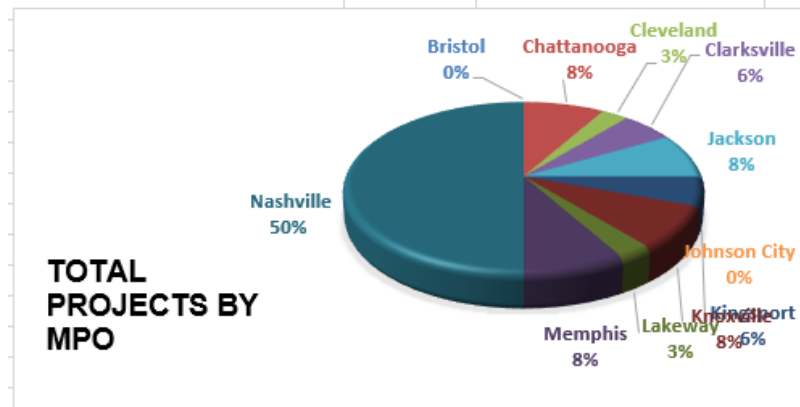
Documents and Projects

- List of Projects/Phases
- Year
- Budget
- RPO/MPO
- Distressed/At-Risked Counties
- Regions
- Actual PPRM Project Schedules

Highway Program

Document and Projects

DOLLARS AND COUNT BY MPO AREA				All Years Totals				
FY-22	FY-23	FY-24		Count	Dollars	FY 22	FY 23	FY 24
0	0	0	Bristol	0	0.0	0.0	0.0	0.0
2	1	0	Chattanooga	3	9.4	2.3	0.0	465.4
0	0	1	Cleveland	1	4.0	0.0	4.0	117.5
0	2	0	Clarksville	2	4.2	4.2	0.0	46.8
2	1	0	Jackson	3	30.0	6.0	0.0	106.8
0	0	0	Johnson City	0	0.0	0.0	0.0	2.3
1	1	0	Kingsport	2	6.2	3.8	0.0	9.0
1	2	0	Knoxville	3	44.1	43.4	0.0	266.8
0	1	0	Lakeway	1	0.1	0.1	0.0	51.7
1	1	1	Memphis	3	124.9	4.0	87.5	304.9
9	9	0	Nashville	18	165.4	42.9	0.0	864.5
16	18	2	Total	36	2625.1	106.7	91.5	2235.7



Criteria



Maximize Safety and Security



Preserve & Manage Existing Transportation System



Support the State's Economy



Build Partnerships for Livable Communities

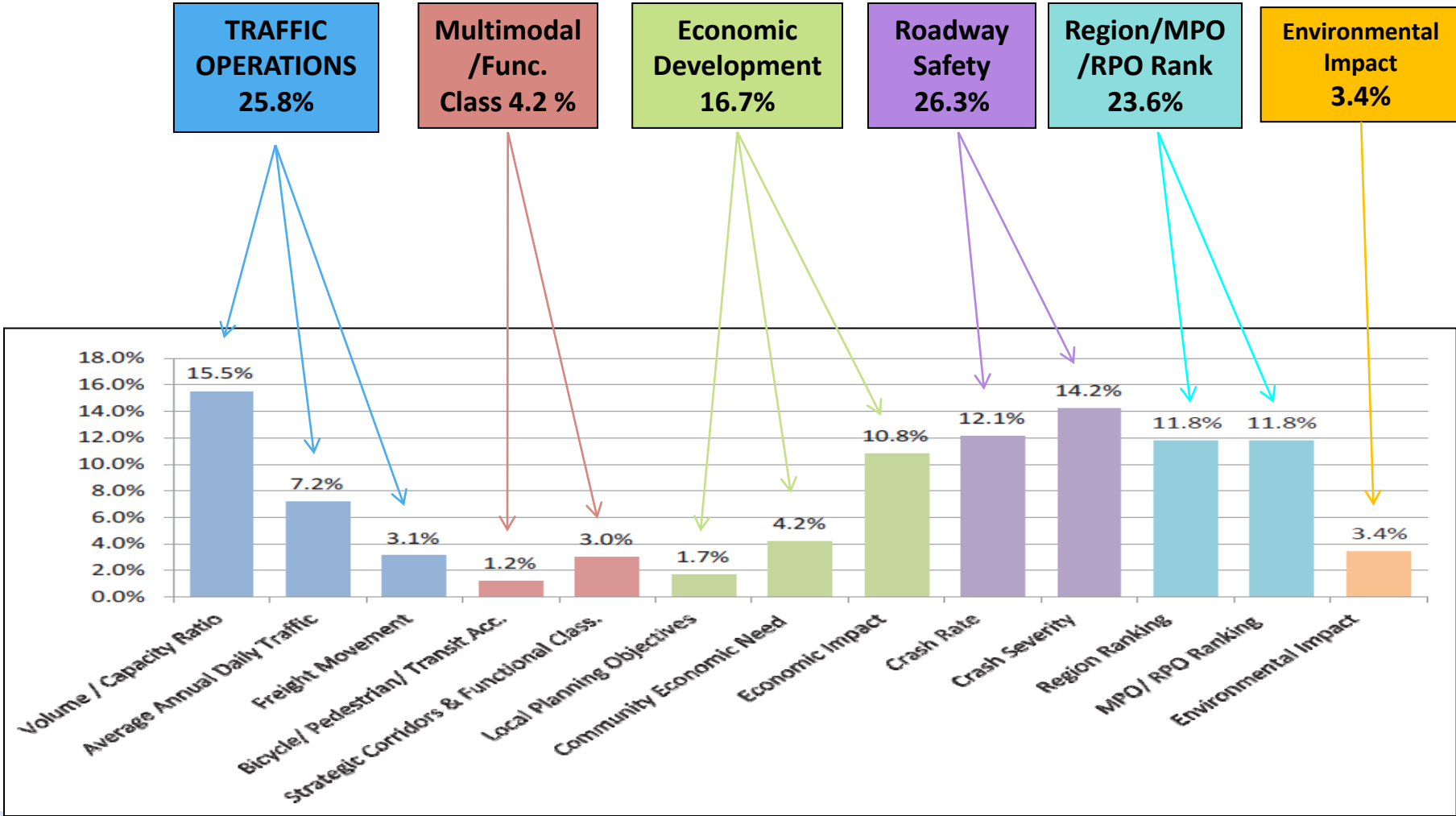


Move a Growing, Diverse, Active Population



Promote Stewardship of the Environment

Criteria Weight



Technical Score

- Projects to Score:
 - Projects list from Program Development & Administration Division.
- Schedule & Cost:
 - Data is pulled from PPRM
 - Project Phases move forward as schedule is met.
- Calculate Criteria Information:
 - All the weighed data:
 - Crash Data, AADT, V/C, MPO& RPO Rankings, Bicycle LOS, Functional Class, Environmental and Economic Need.

Summary

- Projects Ranked based on:
 - Technical Score
 - Investment (Cost of the Phase of Work)
 - Funding Source
 - Scheduling Constraints
- Additional Ranking Considerations
 - Even Distribution of Projects per Region
 - Phase of development (PE/ROW/CONST)
 - MPO/RPO distribution

Questions?



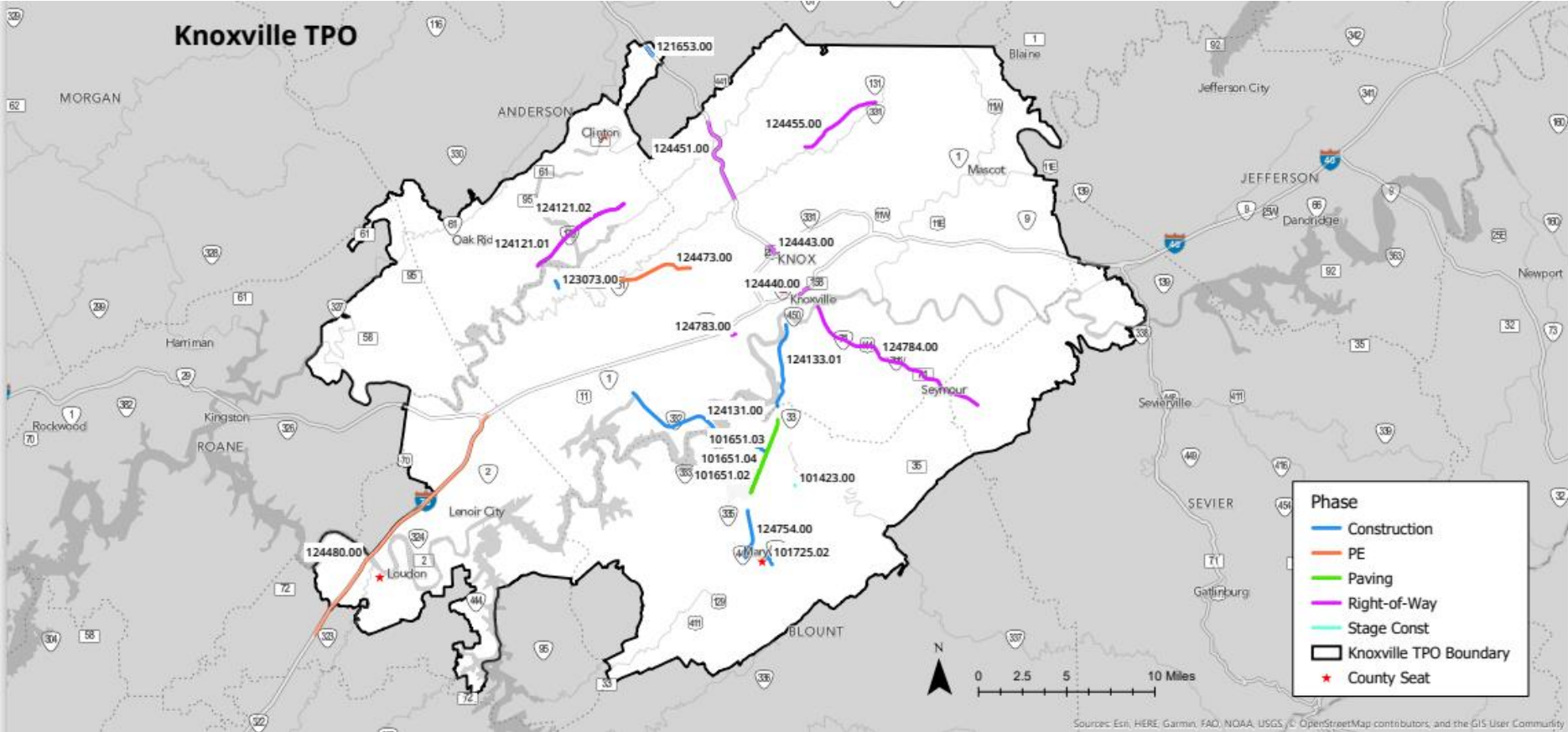
Project Rankings

TDOT Region 1

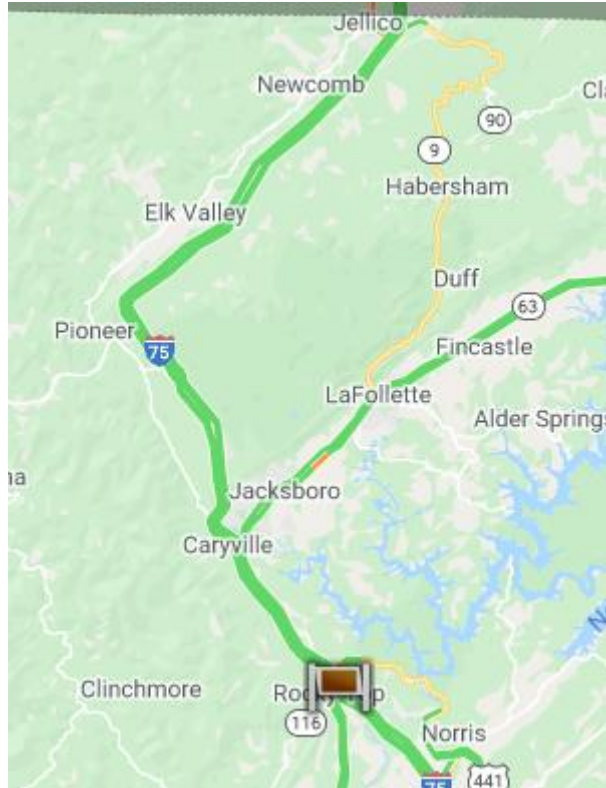
Knoxville TPO TCC & Executive Board

OCT Region 1

Projects Overview

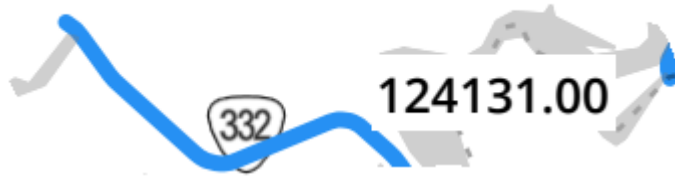


Knox/Anderson County – I-75 ITS Expansion



- 124453.00/20-2017-034
- ITS Expansion from MM 109.6 to just before SR61 (Exit 122) (IA - "IMPROVE Act" Project) Note - this now includes the previous 3rd ranked ITS Project at just the Interchange at Exit 122.

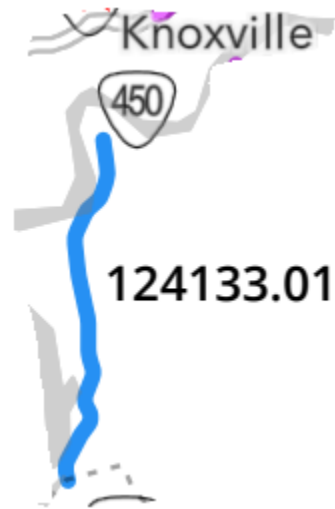
Knox and Blount County – I-140 ITS Expansion



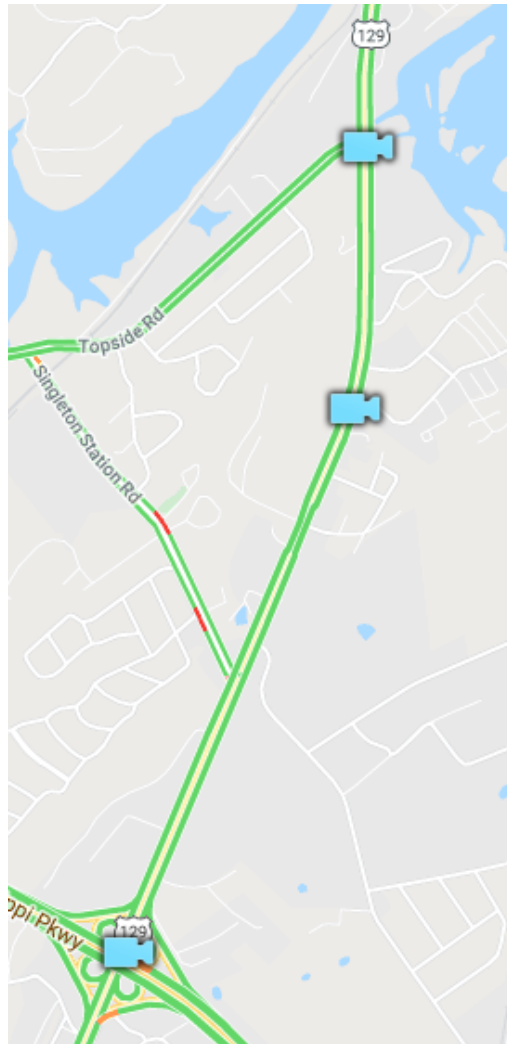
- 124131.00/ 20-2017-50
- ITS Expansion From I-140 MM 2 to SR-115 (US-129, Alcoa Hwy., Exit 11) (IA)

Knox/Blount County –Alcoa Hwy ITS Expansion 1

- 124133.01/ 20-2020-009
- ITS expansion from south of Topside Road to Cherokee Trail Interchange (IA) Priority 1

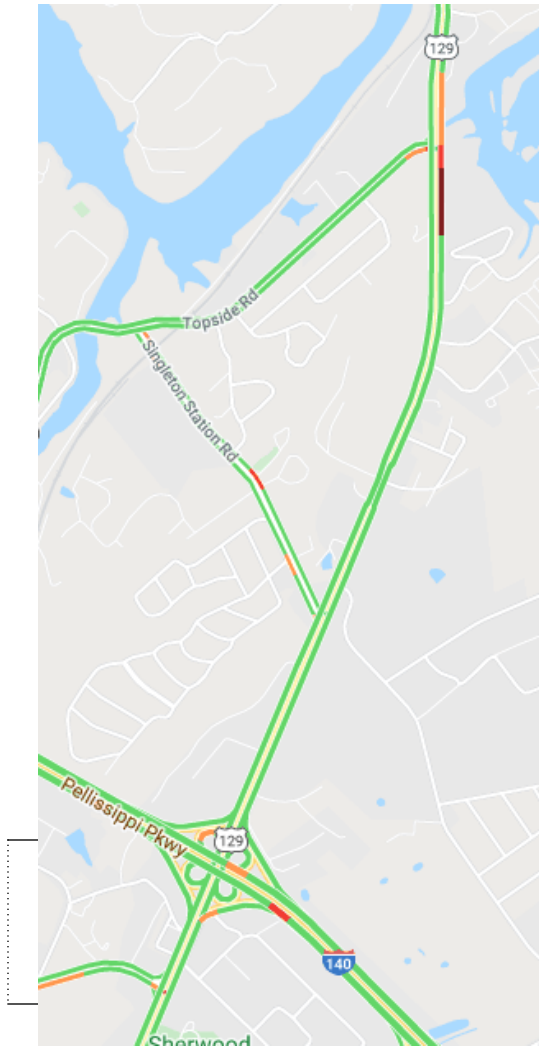


Knox/Blount County –Alcoa Hwy ITS Expansion 2



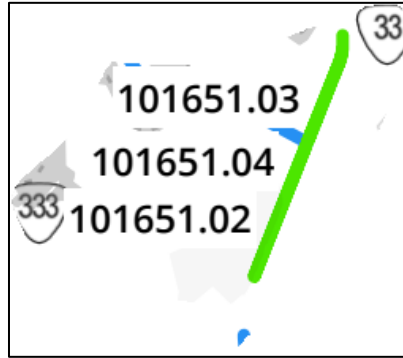
- 124133.02/20-2020-010
- ITS expansion from I-140 to South of Topside Road (IA) Priority 2

Blount County – Alcoa Hwy Widening



- 100241.01/20-2014-003
- (Alcoa Highway); Pellissippi Parkway to South of Topside Road (IA)

Blount County – Relocated Alcoa Highway



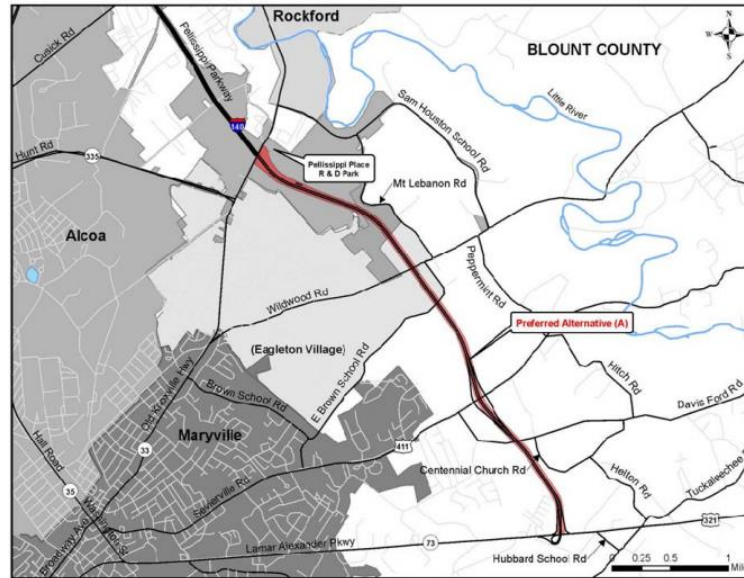
- 101651.02/20-2014-035
- Relocated Alcoa Highway), From Proposed Interchange at Tyson Boulevard to SR-162 (Pellissippi Parkway) (IA)
- 101651.03/ Not in TIP
- (Relocated Alcoa Highway) From SR-162(Pellissippi Parkway) to existing SR-115 at Singleton Station Road (IA)
- 101651.04/ Not in TIP
 - Final Paving of the entire project



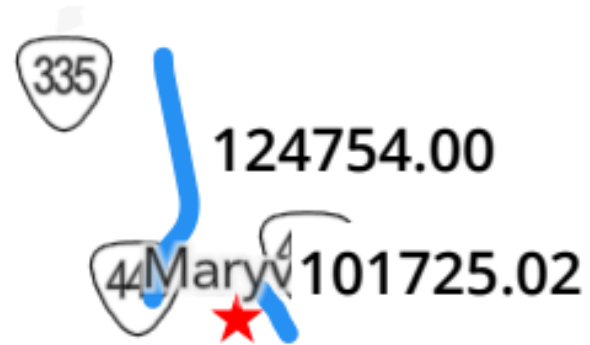
Blount County – Pellissippi Parkway Extension

101423.00

- 101423.00/ 20-214-025
- (Pellissippi Pkwy) From SR-33 to SR-73 (US-321) (Re-Budgeted-ROW&Stage Const) (IA)



Blount County – Montvale Road (SR-336)



- 101725.02/ 20-2017-082
- (Montvale Rd.), From Montvale Station Road to SR-73 (Lamar Alexander Pkwy) (IA)

Knox/Blount/Sevier County – Chapman Highway

- 124784.00/ 20-2017-040
- (Chapman Hwy) From Blount Ave to SR-338 (Boyd's Creek Hwy) in Seymour (IA)



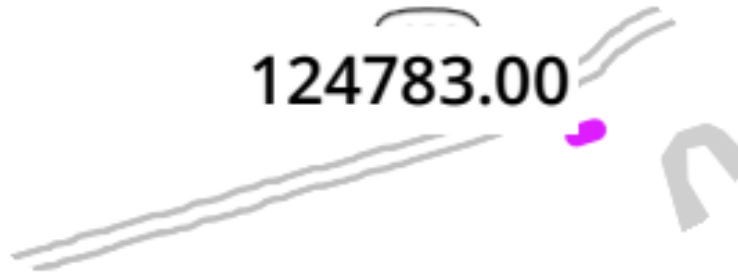
Knox County – I-640/I-75/I-275



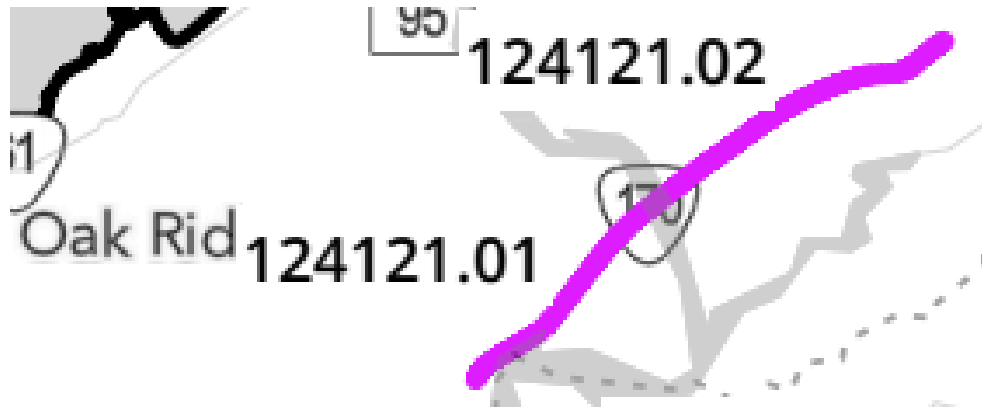
- 124443.00/ 20-2017-038
- Interchange at I-640/I-275 (Sharps Gap) (IA)

Knox County – Kingston Pike at Northshore Drive

- 124783.00/ 20-2017-039
- (Kingston Pk.) Intersection with SR-332 (Northshore Dr.) (IA)



Anderson County – Edgemoor Road (SR-170)

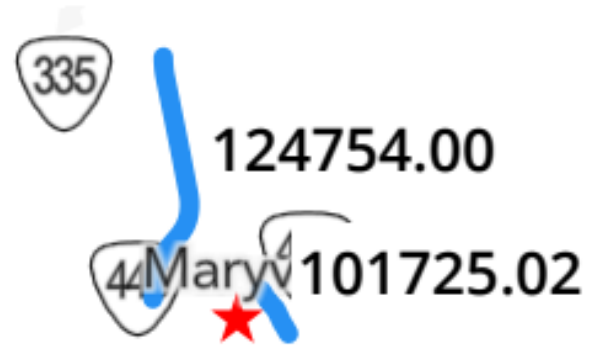


124121.01/ 20-2017-037
From SR-62 (Oak Ridge Highway) to near Melton Lake Road (IA) 2.6 Miles

124121.02/ 20-2017-037
From near Melton Lake Road. to SR-9 (US-25W, Clinton Highway) (IA)

Blount County – US 129 Bypass

- 124754.00/20-2017-005
- US-129 Bypass) From SR-73 (Lamar Alexander Pkwy) to SR-35 (IA)



Knox County – Oak Ridge Hwy at Pellissippi Pkwy (Solway Interchange)

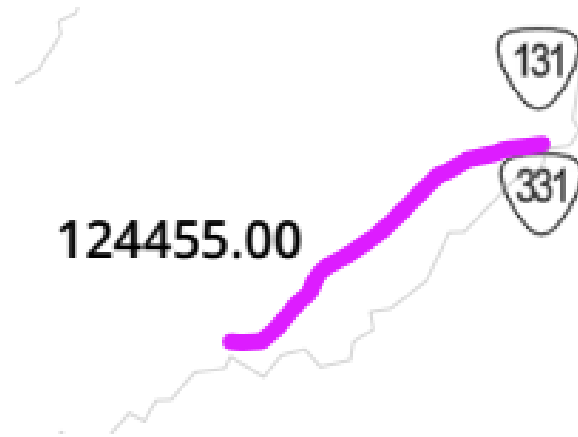
123073.00

123073.00/ 20-2020-09

(Pellissippi Pkwy)
Interchange at SR-62
(Oak Ridge Hwy) in
Solway (IA)



Knox County – Emory Road (SR 131)



- 124455.00/ 20-2017-36
- (E. Emory Rd.) From Near SR-33 to near SR-331 (IA)

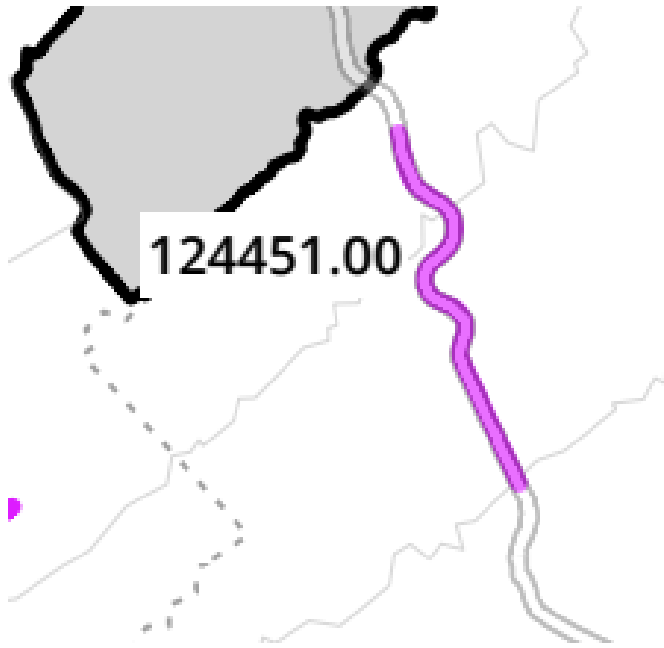
Knox County – Oak Ridge Highway (SR-62)



124473.00/ New
Project for TIP

(Oak Ridge Hwy.)
From near SR-131
to near Schaad
Road (IA)

Knox County – I-75 Widening



- 124451.00/ 20-2017-056
- From Near SR-131 (Emory Road) to Near SR-170 (Raccoon Valley Road) (IA)

Knox County – I-40 at I-275 Westbound Approach



- 124440.00/ Not in TIP
- Interchange with I-275 (I-40 Westbound Approach) (IA)

Loudon County – I-75 Widening



- 124480.00/Not in TIP

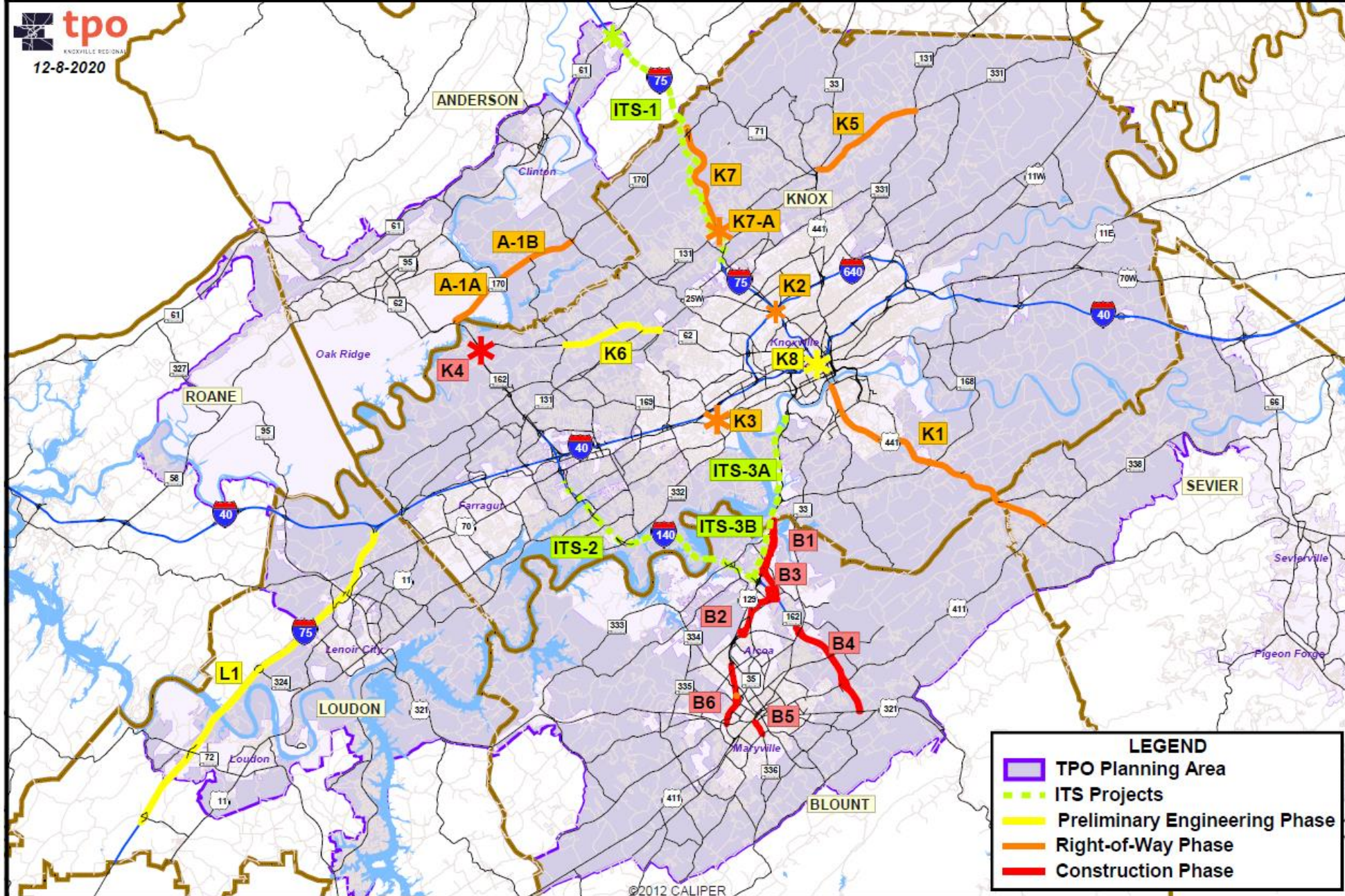
From SR-323 (Pond Creek Road) to the I-40/I-75 Junction (IA)

Thank You

QUESTIONS?

PROPOSED FY 2022-2024 TDOT Three Year Program in KRTPO

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12-8-2020



LEGEND

- TPO Planning Area
- ITS Projects
- Preliminary Engineering Phase
- Right-of-Way Phase
- Construction Phase

TDOT Candidate Projects for FY 2022-2024 3-Year Program

Map ID	County	PIN	Route	Description	Length	Phase	Phase Readiness per TDOT Region 1 Project Development Staff	Scope of Work	2040 Mobility Plan Horizon Year	Previous Rank	Proposed TPO Staff Ranking	Technical Committee Ranking
ITS Projects Under Development												
ITS-1	Knox-Anderson	124453.00	I-75	ITS Expansion from MM 109.6 to just before SR-61 (Exit 122) (IA - "IMPROVE Act" Project) Note - this now includes the previous 3rd ranked ITS Project at just the Interchange at Exit 122.	13.0	Construction	Ready to Move Forward	Smartway geographic expansion	2022	1	1	1
ITS-2	Blount, Knox	124131.00	I-140	ITS Expansion From I-140 MM 2 to SR-115 (US-129, Alcoa Hwy., Exit 11) (IA)	9.2	Construction	Ready to Move Forward	Smartway geographic expansion	2022	2	2	2
ITS-4A	Blount, Knox	124133.01	SR-115 US-129	ITS expansion from south of Topside Road to Cherokee Trail Interchange (IA)	5.6	Construction		Smartway geographic expansion	2022	4A	3A	3A
ITS-4B	Blount, Knox	124133.02	SR-115 US-129	ITS expansion from I-140 to South of Topside Road (IA) Priority 2	1.9	Construction		Smartway geographic expansion	2022	4B	3B	3B
Previously Ranked Legacy Projects												
B1	Blount	100241.01	SR-115 US-129	(Alcoa Highway); Pellissippi Parkway to South of Topside Road (IA)	2.4	Construction		Reconstruct 4-lanes and 6-lanes, including a frontage road system, new interchanges at Singleton Station Road and Topside Road (SR-333), modify the existing SR-115 and SR-162 interchange, and build a multi-use path.	2026	5	4	4
B2	Blount	101651.02	SR-115 US-129	(Relocated Alcoa Highway), From Proposed Interchange at Tyson Boulevard to SR-162 (Pellissippi Parkway) (IA)	2.9	Stage Construction	Ready to Move Forward	New alignment, four lane divided facility, construct an interchange at Pellissippi Parkway (SR-162)	2026	6A	5A	5A
B3	Blount	101651.03	SR-115 US-129	(Relocated Alcoa Highway) From SR-162(Pellissippi Parkway) to existing SR-115 (Alcoa Hwy) at Singleton Station Road (IA)	1.3	Stage Construction	Ready to Move Forward	Construct New 4-Lane	2026	6B	5B	5B
B4	Blount	101423.00	SR-162 EXT	(Pellissippi Pkwy) From SR-33 (Old Knoxville Hwy) to SR-73 (US-321, Lamar Alexander Pkwy) (Re-Budgeted-ROW&Stage Const) (IA)	4.5	Stage Construction		Construct New 4-Lane	2026	7	6	6
B5	Blount	101725.02	SR-336	(Montvale Rd.), From Montvale Station Road to SR-73 (Lamar Alexander Pkwy) (IA)	0.6	Construction		Reconstruct 2-lane road with addition of continuous center turn lane and bicycle/pedestrian facilities	2026	8	7	7

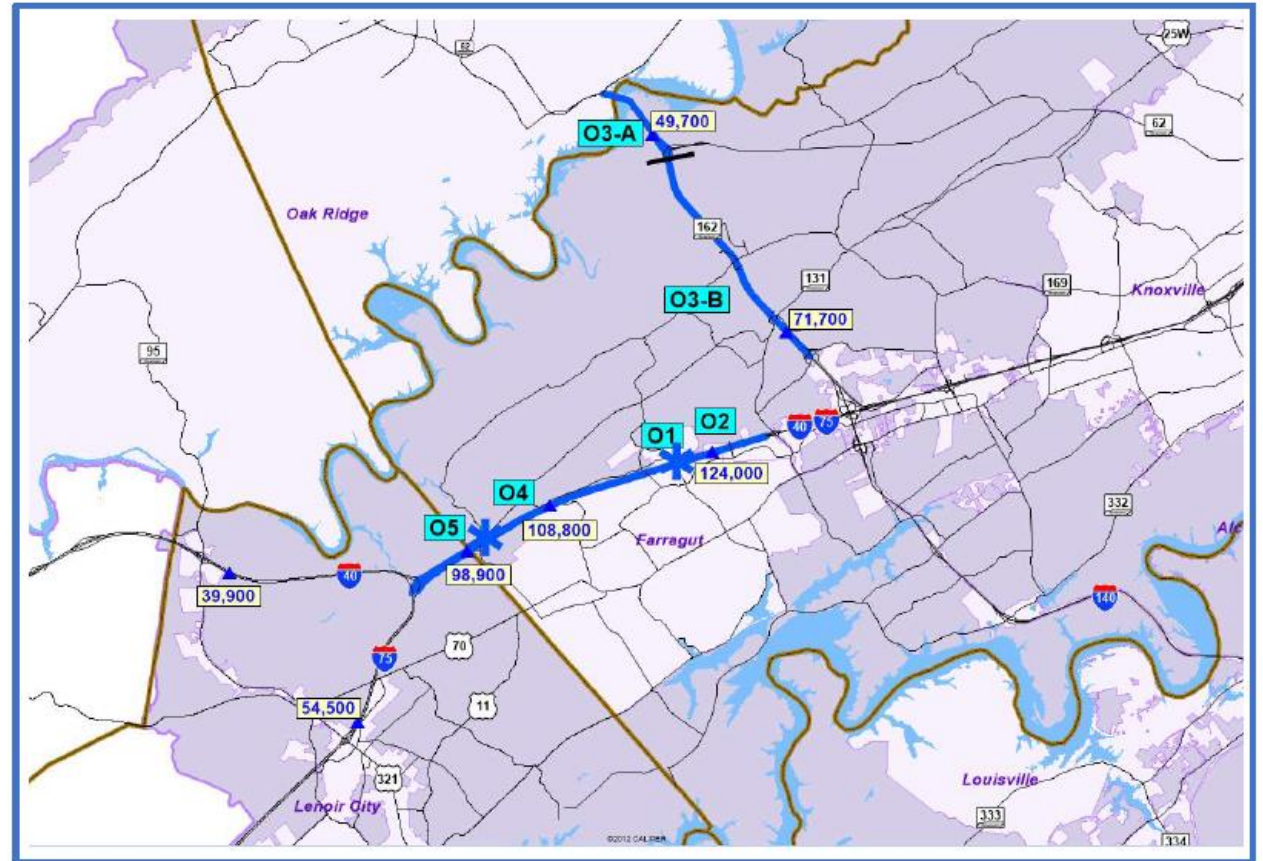
TDOT Candidate Projects for FY 2022-2024 3-Year Program

Map ID	County	PIN	Route	Description	Length	Phase	Phase Readiness per TDOT Region 1 Project Development Staff	Scope of Work	2040 Mobility Plan Horizon Year	Previous Rank	Proposed TPO Staff Ranking	Technical Committee Ranking
Previously Ranked IMPROVE Act New Start Projects												
K7-A	Knox	124451.01	I-75 at SR-131	I-75 Interchange at Emory Road (SR-131) (IA)	0.0	Right-of-Way	New this Year, project split out from larger I-75 Widening Project	Reconstruct Interchange to Diverging Diamond Interchange	2022	NR	8	8
K1	Knox-Blount-Sevier	124784.00	SR-71 US-441	(Chapman Hwy) From Blount Ave to SR-338 (Boyd's Creek Hwy) in Seymour (IA)	10.3	Right-of-Way		Intersection improvements and/or driveway improvements and/or left turn lanes at various locations throughout the project area.	2022	9	9	9
K2	Knox	124443.00	I-75	Interchange at I-640/I-275 (Sharps Gap) (IA)	0.9	Right-of-Way		Interchange reconstruction along with the addition of auxiliary lanes in each direction on I-75.	2030	10	10	10
K3	Knox	124783.00	SR-1/332 US-70	(Kingston Pk.) Intersection with SR-332 (Northshore Dr.) (IA)	0.2	Right-of-Way	Ready to Move Forward	Access management improvements, raised median, improved signal timing, and various intersection improvements.	2026	11	11	11
A1-A	Anderson	124121.01	SR-170	(Edgemoor Road) From SR-62 (Oak Ridge Highway) to near Melton Lake Drive (IA)	3.6	Right-of-Way	Ready to Move Forward	Widen from 2-lanes to 4-lanes with median and/or center turn lane, and includes bicycle/pedestrian facilities and a new bridge	2026	12A	12A	12A
A1-B	Anderson	124121.02	SR-170	(Edgemoor Road) From near Melton Lake Dr. to SR-9 (US-25W, Clinton Highway) (IA)	3.6	Right-of-Way	Ready to Move Forward	Widen from 2-lanes to 4-lanes with median and/or center turn lane, and includes bicycle/pedestrian facilities and a new bridge	2026	12B	12B	12B
B6	Blount	124754.00	SR-115 US-129	(US-129 Bypass) From SR-73 (Lamar Alexander Pkwy) to SR-35 (Hall Road) (IA)	2.9	Construction	Ready to Move Forward	Widen from 4 to 6 lanes	2022	13	13	13
K4	Knox	123073.00	SR-162	(Pellissippi Pkwy) Interchange at SR-62 (Oak Ridge Hwy) in Solway (IA)	0.5	Construction		Reconstruct Interchange to Single Point Urban Interchange	2026	14	14	14
K5	Knox	124455.00	SR-131	(E. Emory Rd.) From SR-331 (Tazewell Pk) to SR-33 (Maynardville Hwy) (IA)	4.9	Right-of-Way		Widen from 2-lanes to 4-lanes with median and/or center turn lane, and including bicycle/pedestrian facilities.	2030	15	15	15
K6	Knox	124473.00	SR-62	(Oak Ridge Hwy.) From SR-131 (Byington-Beaver Ridge Road) to Schaad Road (IA)	4.2	Preliminary Engineering		Widen (assumed, final scope not yet determined)	2030	16	16	16
K7	Knox	124451.00	I-75	From SR-131 (Emory Road) to Raccoon Valley Road (SR-170) (IA)	5.1	Right-of-Way	Ready to Move Forward	Widen from 4 to 6 lanes	2030	17	17	17
K8	Knox	124440.00	I-40	Interchange with I-275 (I-40 Westbound Approach) (IA)	0.3	Preliminary Engineering		Interchange Reconstruction (assumed, final scope not yet determined)	Not in Mobility Plan	18	18	18
L1	Loudon	124480.00	I-75	From SR-323 (Pond Creek Road) to the I-40/I-75 Junction (IA)	16.1	Preliminary Engineering		Widen (assumed, final scope not yet determined)	Not in Mobility Plan	19	19	19

Other Priority Project Needs (Not in IMPROVE Act)

I-40/75 West Corridor & Pellissippi Parkway

- Priority 1 – Interchange Improvements at Campbell Station Road/I-40 Interchange
 - Significant Traffic Growth and Congestion due to Turkey Creek and other Development
- Priority 2 – Construct Auxiliary Lanes between Campbell Station Rd and Lovell Rd Interchanges.
 - Relatively short (1 mile) gap for Westbound direction would address bottleneck situation of lane drop at Lovell Rd Interchange.
- Priority 3 – Pellissippi Pkwy
 - Segment A - Edgemoor Rd (SR-170) to Solway Interchange
 - Segment B - Solway Interchange to Dutchtown Rd
- Priority 4 – Widen I-40/75 from 6 to 8-lanes between I-40/75 Junction to Campbell Station Rd
 - Could also consider extending to I-75 at U.S. 321 Interchange in Lenoir City to widen from 4 to 6-lanes.
- Priority 5 – Interchange Improvements at Watt Road/I-40 Interchange



Other Major Project Needs on State Routes identified by Knoxville Regional TPO

Candidate Other Highway Project Needs on State Routes - TPO Executive Board 12/18/19

County	Route	Location	Length (miles)	Type of Work	Mobility Plan Horizon	Technical Committee Ranking
Knox	I-40/75	Interchange at Campbell Station Road	N/A	Interchange Modification	2030	1
Knox	I-40/75	Auxiliary Lanes EB & WB from Campbell Station Rd to SR-131 (Lovell Rd)	1.0	Add Auxiliary lane	2026	2
Knox	SR-162/SR-62 (Pellissippi Pkwy/Oak Ridge Hwy)	From SR-170 (Edgemoor Rd) to SR-62 (Solway Interchange)	1.5	Access Control, Auxiliary Lanes, Possible Widening, and Study of potential New Alignment through Solway Area	2026	3A
		From SR-62 (Solway Interchange) to Dutchtown Rd	4.5		2026	3B
Knox	I-40/75	I-40/75 Interchange to Campbell Station Rd Interchange	5.3	Widen from 6-lanes to 8-lanes	2034	4
Knox	I-40/75	Interchange at Watt Rd	N/A	Interchange Modification	2034	5

Public Transit and Multimodal Priority Needs

TDOT Transit Funding Support

The Knoxville Regional TPO values the partnership with TDOT to help strengthen the multimodal arm of our transportation network. Just as with roads, bridges, and airports, TDOT funding for transit and pedestrian projects helps make system improvements happen. TPO hereby requests TDOT's continued support in providing State funds for the following items:

1. Matching funding for FTA grants for capital transit projects, which benefits all the urban area transit agencies. Examples of projects include: purchase of buses/mini-buses/vans, passenger amenities such as benches and shelters, technology upgrades, safety and security projects, and facility upgrades.
2. Funding of TDOT's Urban Operating Program (UROP) and Critical Trips Program that provides support for urban area transit services and projects. The need for more transit service is the top request from the public received by all transit providers in the urban area. Residents and visitors take public transit to jobs, educational opportunities, medical facilities, shopping, and entertainment venues while improving air quality and reducing traffic congestion. The Critical Trips Program is extremely important as it provides funding for transit to serve those persons who live outside the fixed-route transit service area.
3. Matching funding for the TPO's FTA Section 5310 grant program. The 5310 program provides capital funding for vans to urban area non-profits that help provide transportation services to seniors and people with disabilities. Also, the 5310 program funds operating projects that support volunteer driver programs. These programs recruit volunteer drivers who provide a one-on-one trip tailored for some of the frailest in our community who often have no other transportation options.
4. Matching funding for ridesharing and travel demand management programs, such as the TPO's SmartTrips and the University of Tennessee's Tennessee Vans program.
5. Funding to support TDOT grant opportunities like the Improve Act Competitive Transit Capital Grant. The TPO would also request that TDOT consider using additional Improve Act funding to augment transit operating funds or to provide State match for operating projects.



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