

Agenda

Lakeway MPO
2050 MTP Update

Technical Advisory Committee (TAC)
TAC#2 Meeting

February 15, 2024 @ 10 AM (in-person)

Meeting Agenda

1. **Welcome / Introductions** – *Today's objectives* (LAMTPO) - 5 min
2. **Review of Schedule, Outreach, Resource Needs** (Stantec) - 5 min
3. **FHWA Requirements for MTP Update** (Stantec) - 15 min
4. **Vision & Goals Discussion** (Stantec) – 30 min
5. **Funding Trends** (Stantec) – 15 min
6. **Action Items / Next Steps** (Stantec) – 5 min

Meeting Attendees & Notes:

Attendees: (15); Steve Neilson (LAMTPO), Troy Ebert (TDOT), Mike Patterson (ETHRA), Mark Potts (Jefferson County), Laura Smith (ETDD), Ekem Eamonoo-Lartson (ETDD), Michael Dick (TDOT), Josh Cole (Morristown), Larry Clark (Morristown), Gary Chesney (Morristown), Jodi Barnard (Chamber of Commerce), Bill Brittain (Hamblen County), Porter Massengill (Jefferson City), Tony Cox (Morristown), Andrew Ellard (Morristown)

Discussed TDOT 10-Year Plan – Build with Us (Troy Ebert, TDOT) <https://www.tn.gov/tdot/build-with-us.html>

- o Each of TN's 4 regions will receive \$750M for the first 3-year priority projects (total of \$3B)
- o Transportation Management Areas (TMAs) will receive additional funding (Lakeway is not a TMA)
- o Assumes a 3.8% annual inflation rate (more conservative in the short term)
- o Projects are prioritizing: Safety, Congestion, Economic Growth, Preservation, and Livability/Sustainability

Three (3) projects overlap with the LAMTPO Boundary

FY2024-2026 – 3-year Plan Project

- o (5) Hamblen County – State Route 34 widening \$67M
 - o (6) Hawkins County – State Route 31 reconstruction \$11M – LAMTPO boundary touches this roadway
- #### TMA Bridge Program
- o (R1-B1) Jefferson County – Bridge Maintenance Program \$216M

Review of Schedule & Outreach to Date

- This project is transitioning from Phase 1 (outreach and assembly) to Phase 2 (needs analysis), where a significant amount of data analysis and synthesis of information will occur.
- We reviewed the varying outreach strategies for different groups of people, from the very broad/general public to the specific/technical TAC members.
- Outreach to date has included:
 - o 110+ unique visitors to the project website www.LAMTPOforward.com
 - o 120+ survey participants – **would benefit from more transit users**
 - o 72 points of interest added to the ArcGIS Online interactive map
 - o ~28 sign in participants to our Community Open House event (Thursday evening)

FHWA Requirements for MTP Update

- Reviewed the essential elements of an MTP update, including all modes, 20+ years into the future, and the movement of people and goods (freight).
- This is a good reminder of the flexibility that FHWA provides its MPOs to plan for *their* future accordingly.
- Reminder of Stantec's role in this process, receiving data/plans from LAMTPO's members and providing:
 - Validation // Synthesis // Integration of needs
- Review of the revised TPO boundary, which has been revised as of the Census 2020 definition for urbanized boundaries:
 - added land surrounding Bean Station, and lost area near New Market, for a net gain of +1.37 square miles (+0.44%)

Visioning Discussion

- Reminder of what TAC#1 meeting discussed
- Review of Population projections to 2045 from the prior plan, and discussion of whether this annual growth rate (+0.6%) still feels reasonable/appropriate for our 2050 projections
 - Discussed that residential permits would be an interesting trend of recent housing growth
 - Also discussed school enrollment trends
- Will likely utilized population growth projections that are *consistent* with Knoxville TPO projections
 - Woods & Poole projections (data purchase)

Funding Trends

- Reviewed assumptions from 2045 MTP, including: (\$350M by 2050)
 - Project revenue growth of **~+2.5% per year**
 - **Inflation** cost increases of **~+3.6% per year** (aligns closely with TDOT 10-year plan assumption)
- Reviewed the previous mix of project funds by funding category:
 - NHPP 53%
 - State-STBG 16%
 - IMPROVE Act 11% (ending; will be different acronym moving forward)
 - Local-STBG 9%
 - HSIP 7%
 - Other – State 4%
 - Transportation Alternatives (TA) <1%

Action items:

TAC members

- Compile and share population trend data, which may be in the form of:
 - Housing unit trends over the past 5+ years, or similar
 - School enrollment trends over the past 5+ years, or similar
- Correct anything that we have mislabeled, or described above
- **Share the project website www.LAMTPOforward.com** and help promote the Survey + Interactive Map
 - Reshare Steve's posts on LinkedIn and NextDoor

Stantec team

- Facilitate and summarize Community Engagement Round #1 (tonight)
- Review financial trend spreadsheet and see input on funding trends (2019-23)

Attachments: Presentation slides

Project Team



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3

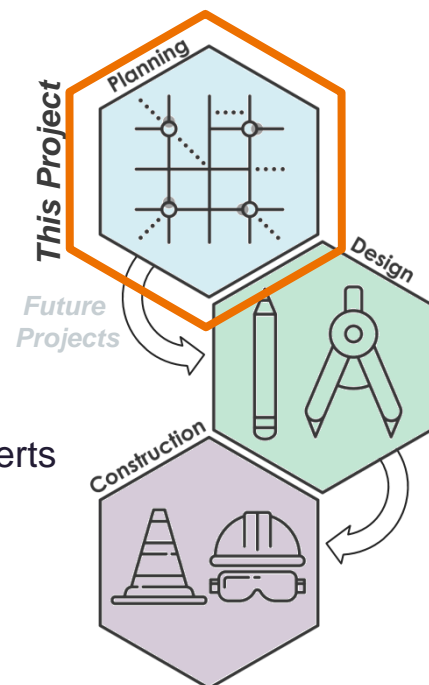
Roles

Stantec—the ‘process’

- Synthesizing information
- Facilitation
- Technical assistance and best practices

Advisory Committee—the local experts

- Meeting logistics, scheduling
- Local area knowledge & community vision
- Identifying the “*who*” needs to be involved?
 - *YOU know YOU better than us!*



4

Interactive Map

72 points
added

24-hours per day – thru Spring 2024

10



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11

FHWA Guidance



- “... development of a transportation plan addressing **at least 20+ years** horizon, featuring both long-range and short-range strategies to develop an **integrated intermodal** transportation system that facilitates the efficient movement of **people and goods**.”
 - Identify **congestion management** strategies, meeting 23 CFR part 500
 - Demonstrate a systemic approach to address current & future transportation demand
 - Identify SOV projects that result in congestion reduction
 - Identify pedestrian walkways, and bicycle transportation facilities 23 USC 217(g)
 - Include a **financial plan** with historical trends and projected revenue sources

12

Good News!

- Much of this work has been accomplished through other projects/plans
 - Lakeway – Morristown Complete Streets Report (2022)
 - ETHRA – Agency Safety Plan (2020)
 - Lakeway TPO – Bike/Pedestrian Plan (2019)
 - Morristown Fixed Route Study (2018)
- Our strategy is to:

VALIDATE

Still
correct /
valuable?

SYNTHESIZE

Condense
, Simplify

INTEGRATE

Fold
together

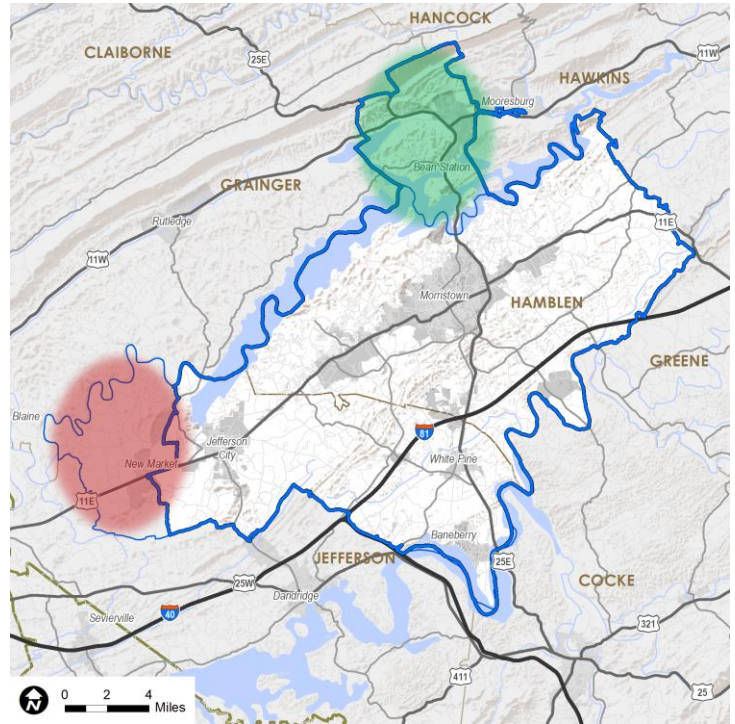
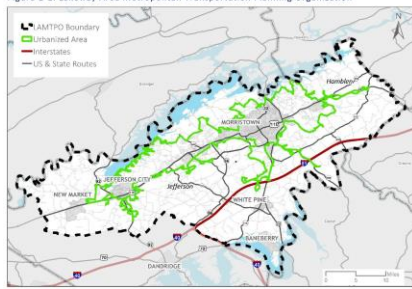
13

LAMTPO Boundary

Adjustments since 2021

- **Added** to LAMTPO
- **Removed** from LAMTPO
- Net change:
 - +1.37 square miles (+0.44%)

Figure 1-1. Lakeway Area Metropolitan Transportation Planning Organization



14



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16

TAC#1 Meeting we discussed...

- US Census data / Demographics
- Employment
- Transit Service
- Current TIP projects
- Goals
- Now let's discuss...
 - What we do with this, and
 - How we project population growth

17

Population growth projections

From the 2045 Mobility Plan →

- **2018 Base Year**
- **Data sources:**
 - LAMTPO Travel Demand Model
 - *Others?*
- **Projections for:**
 - Total population (+15k by 2045)
 - Land Uses
 - **Agricultural** land conversion:
 - Residential (+37%)
 - Commercial (+35%)
 - Industrial (+12%)



Land Use	2018 Land Use (Acres)	2045 Land Use (Acres)	Change (2018-2045)	% Change (2018-2045)
Agriculture	89,964.1	73,269.2	-16,694.8	-18.6%
Commercial	3,246.1	4,375.3	1,129.2	34.8%
Industrial	4,371.9	4,875.4	503.5	11.5%
Public Lands	8,705.5	8,705.5	0.0	0.0%
Residential (High-Density)	6,073.2	6,996.0	922.7	15.2%
Residential (Low-Density)	64,333.4	78,504.1	14,170.7	22.0%
Total	176,694.2	176,725.5	-	-

Source: LAMTPO, 2020

Table 5-2. Lakeway Region Change in Population, 2018 to 2045

County	2018	2045	Change (2018-2045)	% Change (2018-2045)
Hamblen	64,569	72,535	7,966	12.3%
Jefferson (MTP Portion)	28,500	35,709	7,209	25.3%
Total	93,069	108,244	15,175	16.3%

Source: LAMTPO Travel Demand Model, 2020

+0.6% annual growth

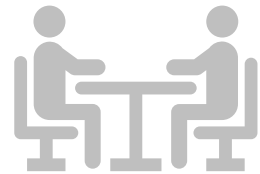
19

Let's discuss...

- **What worked well? What didn't?**
 - 2018 Plan relied heavily on the Travel Demand Model projections (*0.6% annual growth*)
 - Land use changes were included
 - Jefferson County growth: ½ within LAMTPO portion; ½ outside of LAMTPO

- **What TRENDS are impacting your region?**
 - Housing affordability? Spillover from adjacent Knoxville region?
 - Domestic migration?
 - Aging in place?
 - Other(s)?

- **TPO Boundary has grown for LAMTPO (+1.37 square miles)**
 - + portions Grainger County (Bean Station), Hawkins County
 - - portions of Jefferson County (New Market)



21



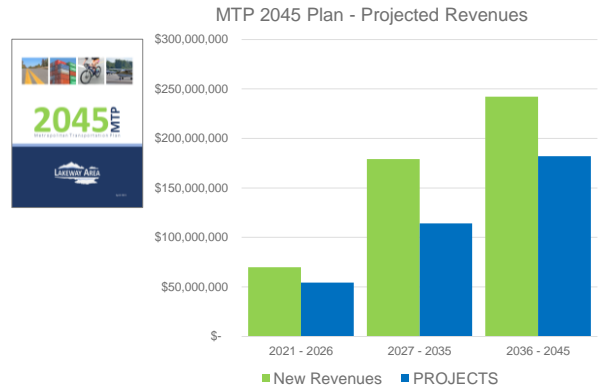
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22

Financial Projections (2045 plan)

- Revenue projections for roadways
 - State funds only to supplement federal dollars.
- Assumptions:
 - Revenue growth: **~2.5% per year**
 - Cost increase: **~3.6% per year**
- Are these assumptions still accurate?



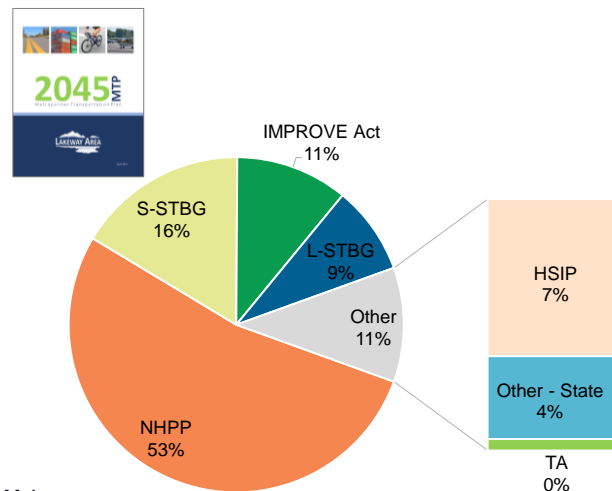
HORIZON	New Revenues	PROJECTS	% Total
2021 - 2026	\$ 69,698,379	\$ 54,492,914	16%
2027 - 2035	\$ 179,191,475	\$ 114,004,866	33%
2036 - 2045	\$ 242,231,254	\$ 181,946,106	52%
	\$ 491,121,108	\$ 350,443,886	

23

Let's Discuss...

- TDOT's recent **10-Year Plan** has implications for the region:
 - *How does this affect our projections?*
- The **IIJA Act** was passed, and **new funding programs are available...** such as...
- Year of Expenditure (YOE) costs
 - TDOT: 3.8% from 10-year plan – **'Build with Us'**
 - **This MTP should use... (discussion)**

Projects by Funding Programs



\$350 Million by 2045 Horizon

24



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28



Action Items



What don't we know?...

- Any knowledge gap(s)?
- Continue to **PROMOTE** the project website www.LAMTPOforward.com

STANTEC is working towards...

- Existing conditions / synthesis
- TAC #3 – **Spring 2024**
- Community Event – Round #1 **TONIGHT!**

29