

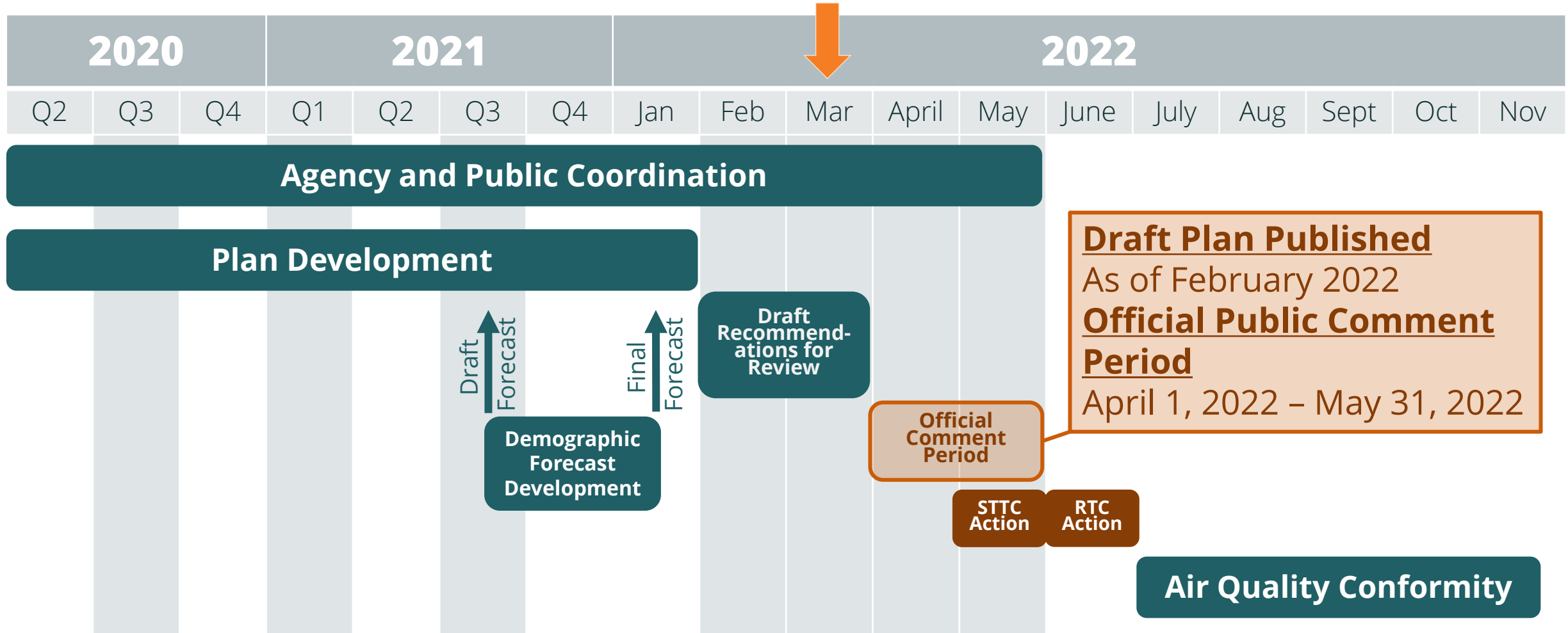
# MOBILITY 2045 UPDATE

## SCHEDULE AND DRAFT PLAN PROGRESS

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Surface Transportation Technical Committee  
March 25, 2022

# PLAN SCHEDULE

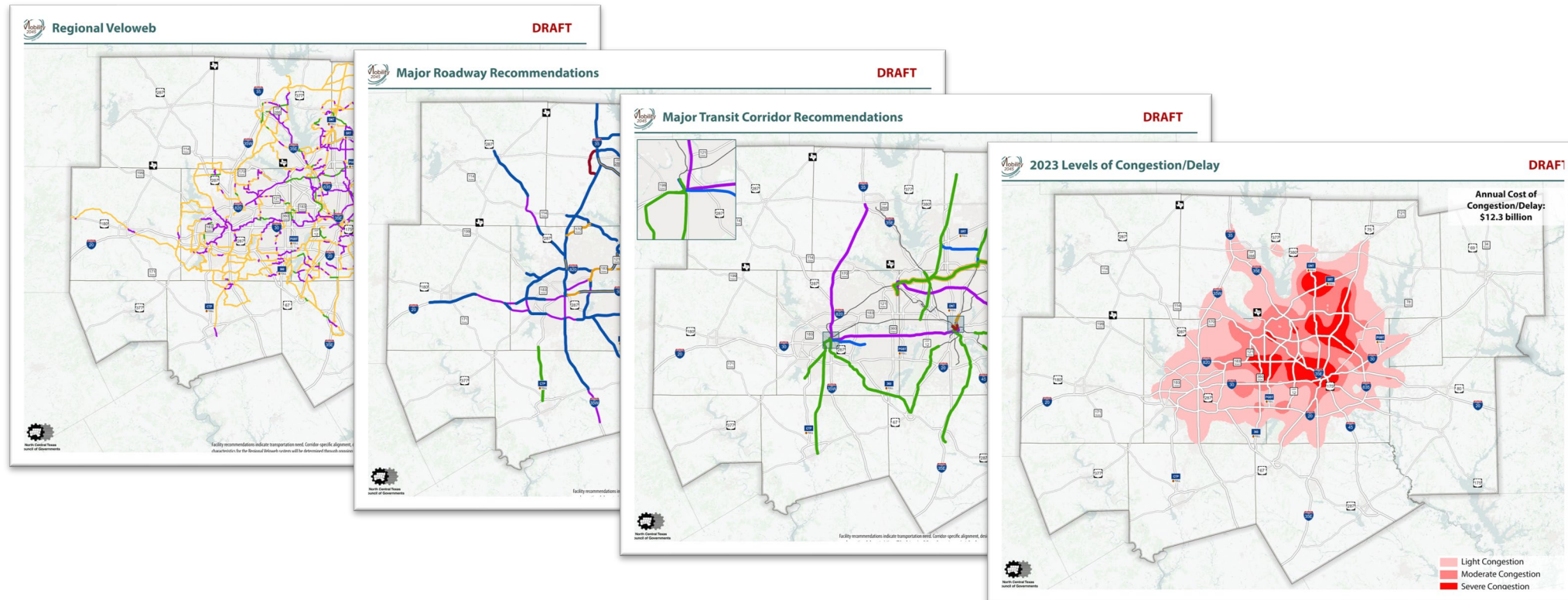


Notes:

- Public meetings held during highlighted months.
- Regional Transportation Council action on Mobility 2045 Update scheduled for June 9, 2022.

# DRAFT MAPS AVAILABLE ONLINE

[www.nctcog.org/PlanInProgress](http://www.nctcog.org/PlanInProgress)



# DRAFT FINANCIAL PLAN EXPENDITURES

## MAXIMIZE EXISTING SYSTEM

### Infrastructure Maintenance

Maintain and operate existing transit and roadway facilities

\$39 B

### Management and Operations

Improve efficiency and remove trips from system

\$10 B

### Growth, Development, and Land Use Strategies

Improve transportation and land use balance

\$1 B

## STRATEGIC INFRASTRUCTURE INVESTMENT

### Rail and Bus

Encourage switch to transit

\$42 B

### HOV/Managed Lanes

Increase auto occupancy

\$56 B

### Freeways/Tollways and Arterials

Add vehicle capacity

**TOTAL**

**\$148 B**

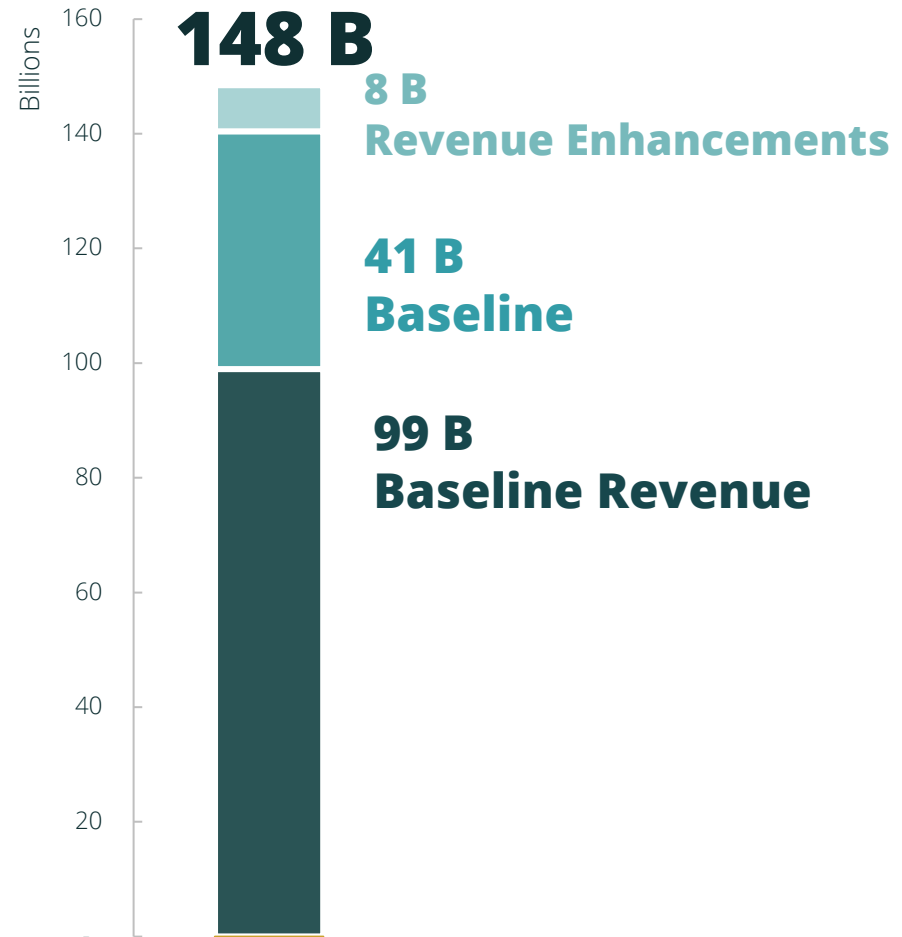
# FINANCIAL CONSTRAINT

## IN PROGRESS

~~Forecast stage: developing/refining costs and revenues~~

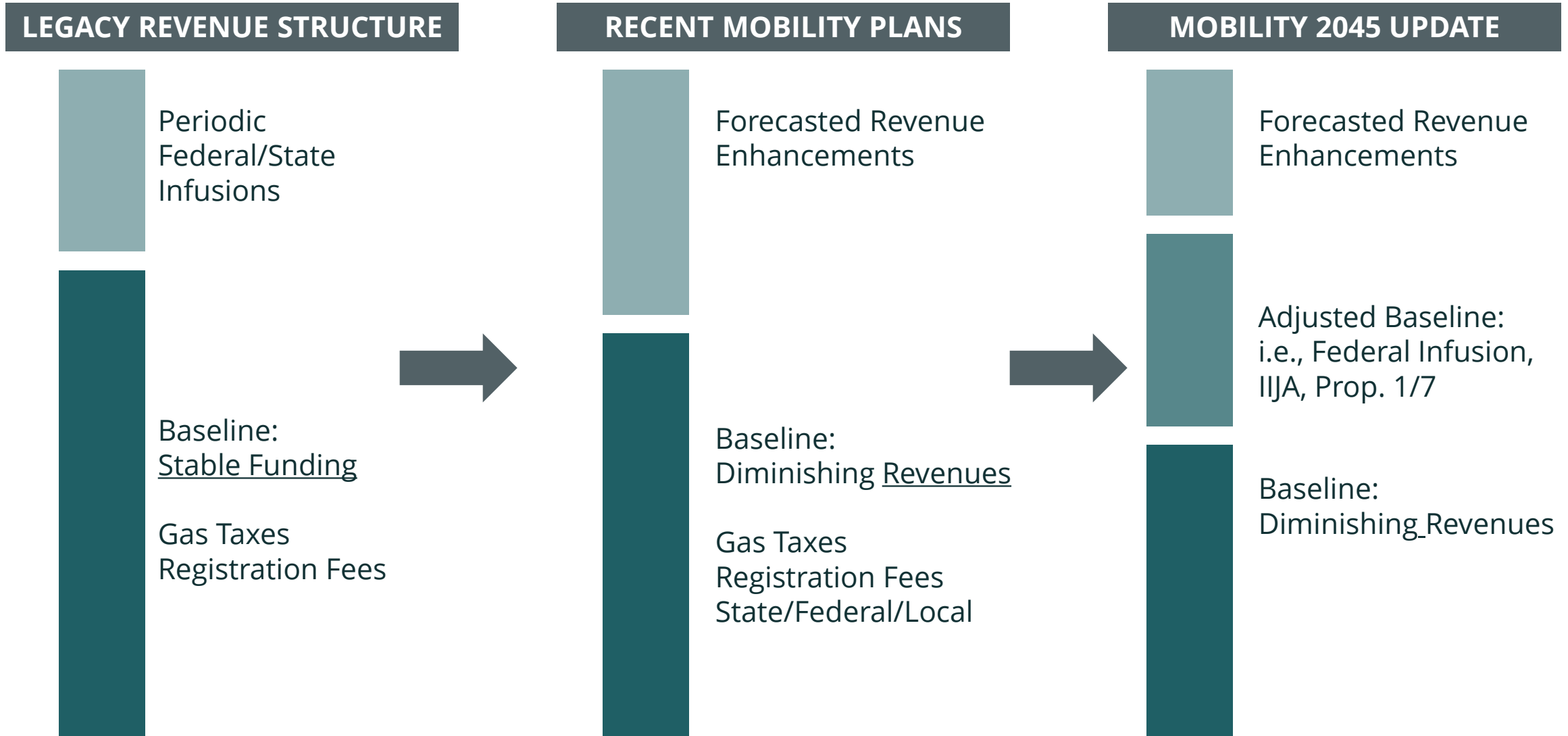
**Final stage: confirming final costs and revenues, draft exports and balancing**

**FINANCIAL CONSTRAINT ACHIEVED**



# Pressures Potentially Diminishing Transportation Revenue

Electric Vehicles    Inflation    Political Action    Natural Resources  
Fuel Efficiency    Travel Behavior    Consumer Habits    Telecommuting



# FUTURE REVENUE SUSTAINABILITY

## PRESSURES AND IMPACT



Forecasted Revenue Enhancements

May eventually replace gas tax as traditional revenue source and become new "baseline"



Adjusted Baseline: Federal Infusion

Periodic state/federal limited infusions help, but may be unsustainable over long term



Baseline: Diminishing Revenues

Continue to diminish; necessary to pursue new mechanisms

## FUTURE MOBILITY PLANS



Periodic Federal/State Infusions



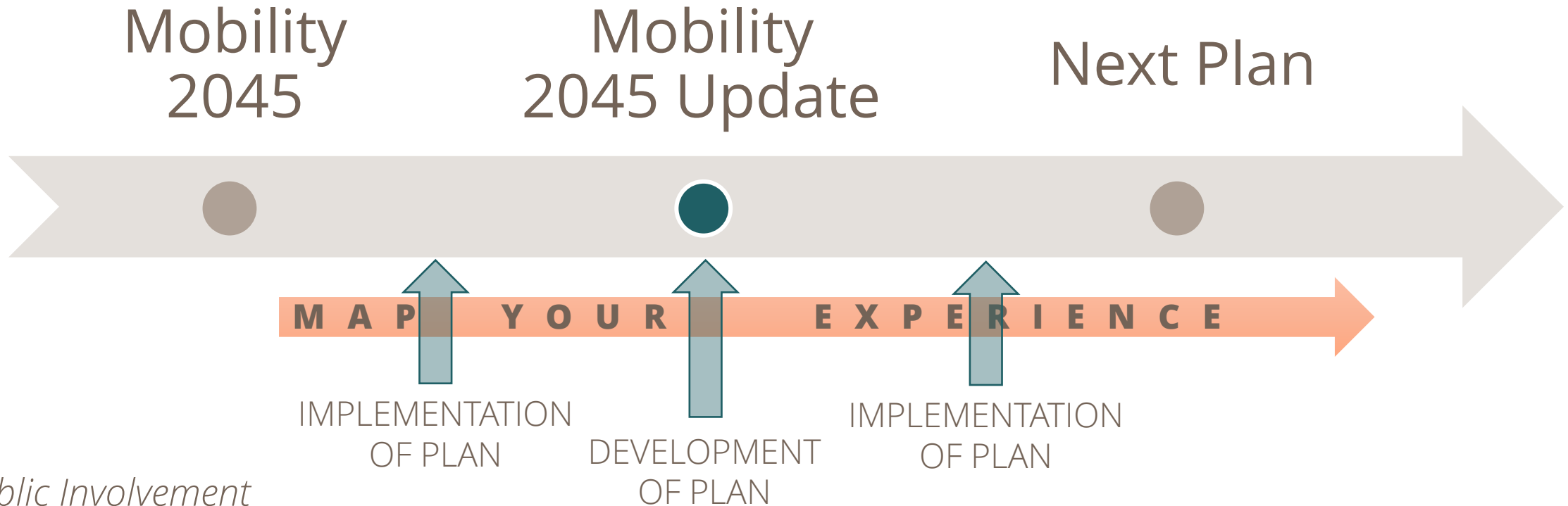
Baseline: Potential Funding

Registration Fees  
EV Registration Fees?  
Indexing?  
VMT Fees?  
Technology as TR Mode?

# **PUBLIC INVOLVEMENT**



# PUBLIC INVOLVEMENT



Public Involvement  
Activities Include:

- Public Meetings
- Speaking Engagements
- Outreach Events
- Publications
- Press Releases
- Social Media
- Development Activities

# MAP YOUR EXPERIENCE

## Bike/Ped

- 1 **Sidewalk/Trail Availability**
- 2 **Safety**
- 3 **Lanes/Stripes/Markings**

Accessibility is the top concern for this mode. Safety is a top factor impeding people from walking or biking.

## Transit

- 1 **Stops/Stations Needed**
- 2 **Other**
- 3 **Service Frequency**

Transit options in areas without existing service, and increasing frequency in areas with it, are top concerns.

## Roadway

- 1 **Traffic**
- 2 **Safety**
- 3 **Road Condition**

Safety of merging, poor visibility, and blind spots are often mentioned.

**Dashboard Available at: [www.nctcog.org/MapYourExperience](http://www.nctcog.org/MapYourExperience)**



# **REGIONAL NONDISCRIMINATION ANALYSIS**



# RESULTS OF TOLLWAYS NONDISCRIMINATION ANALYSIS

Construction of tolled facilities planned for 2023-2045:

- Increases jobs accessible by auto for all groups (protected and non-protected)
- Increases average speed for all groups
- Decreases minutes to travel 20 miles for all groups

Metrics are calculated for AM peak home-based work trips

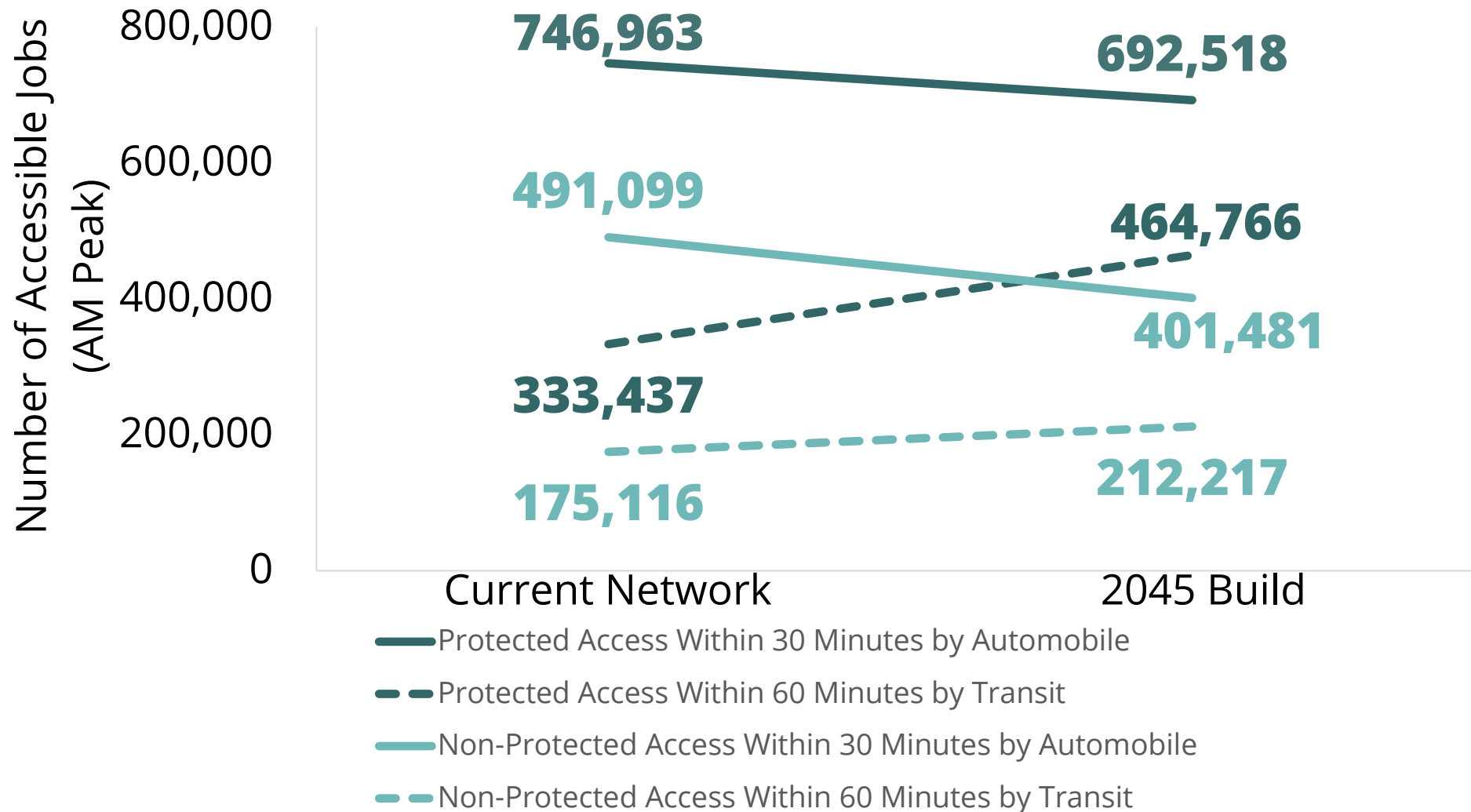
# RESULTS OF TOLLWAYS NONDISCRIMINATION ANALYSIS

	Traffic Analysis Zone Category					
	Below Poverty		All Protected Classes*		Non-Protected Classes	
	2045 Build (No-Build of Tolled Facilities)	2045 Build (Including Tolled Facilities)	2045 Build (No-Build of Tolled Facilities)	2045 Build (Including Tolled Facilities)	2045 Build (No-Build of Tolled Facilities)	2045 Build (Including Tolled Facilities)
Jobs Within 30 Minutes by Automobile**	703,602	719,145	678,491	692,518	392,604	401,481
Average Speed (mph)**	24	26	23	25	21	23
Minutes to Travel 20 Miles**	50	46	53	49	58	51

\*Below Poverty, Total Minority, and Limited English Proficiency

\*\*AM Peak

# JOB ACCESS BY AUTO AND TRANSIT



# TRANSPORTATION CHALLENGES BY THE NUMBERS

45%

TRANSPORTATION + HOUSING  
ABOVE “UNAFFORDABLE”  
PERCENTAGE FOR MOST  
RESIDENTS

Hunt County is the region’s only county where the combined cost of transportation and housing is considered “affordable” – 45% or less of median household income

72%

MAJORITY OF LOW-  
INCOME WORKERS RELY  
ON DRIVING ALONE

72 percent of workers below poverty – currently \$27,750 for a family of four – drive alone in a vehicle to work

45

LOW-INCOME TRANSIT  
RIDERS FACE LONGER  
COMMUTES VS. AUTO

In 2045, the average trip time by transit for people below poverty will take 45 minutes longer than the average trip time by auto, compared with 42 minutes longer in 2023

# **TRANSPORTATION CONFORMITY**





# 2022 TRANSPORTATION AIR QUALITY CONFORMITY ANALYSIS

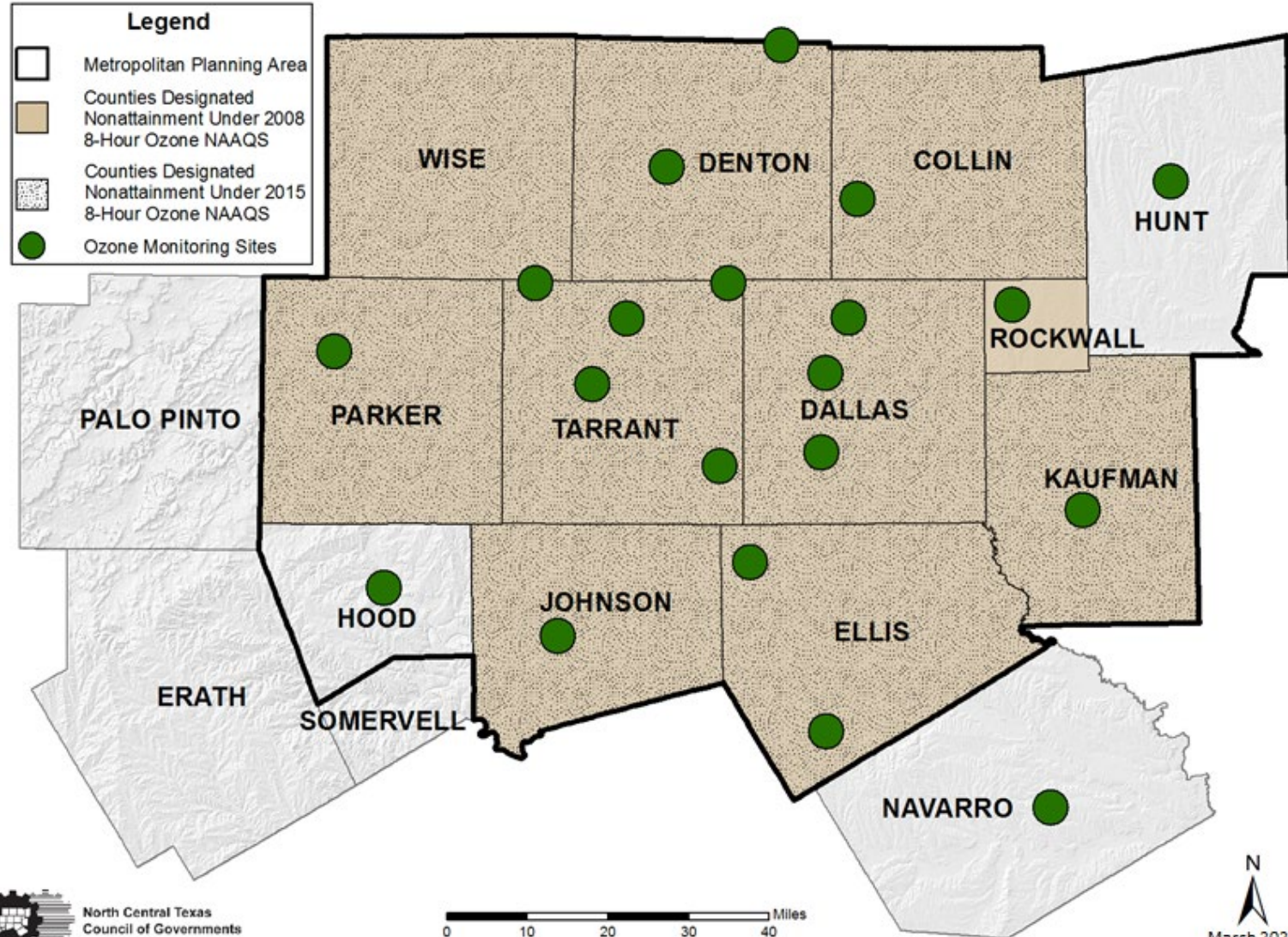
## PURPOSE

Demonstrates that projected emissions from transportation projects are within emission limits (Motor Vehicle Emissions Budgets) established by the State Implementation Plan (SIP)

Ensures federal funding and approval is applied to transportation projects that are consistent with air quality planning goals

# 2022 TRANSPORTATION AIR QUALITY CONFORMITY ANALYSIS

Nonattainment Areas Under the 8-Hour Ozone Standards





# 2022 TRANSPORTATION AIR QUALITY CONFORMITY ANALYSIS

## Reason and Highlights

Mobility 2045 (previous plan)

Adopted by RTC on June 14, 2018

Achieved USDOT Transportation Conformity Determination on November 21, 2018

Updated plan, with conformity determination, required within four years

## Planning Assumptions

Emissions Model is EPA's MOVES3

2018 (end-of-year) Vehicle Registration Data

2015-2019 (five-year-average) Traffic Count Data

2011/2012 Meteorological Data

## Analysis Years

2023, 2026, 2036, and 2045

# TIMELINE

DATE	ACTIVITY
April – December 2021	RTC & STTC – Mobility Plan Update Schedule, Project Selection, and Demographic Assumptions
January 2022	RTC – Mobility Plan Update Progress
January 2022	STTC – Mobility Plan Update Progress
February 2022	RTC – Mobility Plan Update Progress
February 2022	STTC – Action Requested: Recommend RTC Direct Staff to Enter Public Comment Period
March 2022	RTC – Action Requested: Direct Staff to Enter Public Comment Period
<b>March 2022</b>	<b>STTC – Mobility Plan Update Progress</b>
April – May 2022	Official Public Comment Period
April 2022	RTC – Mobility Plan Update Progress
April 2022	STTC – Mobility Plan and Air Quality Conformity
May 2022	RTC – Mobility Plan and Air Quality Conformity
<b>May 2022</b>	<b>STTC – Action Requested: Recommend RTC Adopt Mobility 2045 - 2022 Update</b>
<b>June 2022</b>	<b>RTC – Action Requested: Adopt Mobility 2045 - 2022 Update</b>

# CONTACTS

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## Air Quality Conformity



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