MOBILITY 2045 UPDATE
SCHEDULE AND DRAFT PLAN PROGRESS

Surface Transportation Technical Committee
March 25, 2022
# PLAN SCHEDULE

<table>
<thead>
<tr>
<th>2020</th>
<th>2021</th>
<th>2022</th>
</tr>
</thead>
<tbody>
<tr>
<td>Q2</td>
<td>Q3</td>
<td>Q4</td>
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## Agency and Public Coordination

## Plan Development

- Draft Forecast
- Final Forecast
- Demographic Forecast Development
- Draft Recommendations for Review
- Draft Plan Published

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

### Draft Plan Published
As of February 2022

**Official Public Comment Period**
April 1, 2022 – May 31, 2022

### Air Quality Conformity
DRAFT MAPS AVAILABLE ONLINE

www.nctcog.org/PlanInProgress
# DRAFT FINANCIAL PLAN

## EXPENDITURES

### MAXIMIZE EXISTING SYSTEM

<table>
<thead>
<tr>
<th>Description</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Infrastructure Maintenance</td>
<td>$39 B</td>
</tr>
<tr>
<td>Maintain and operate existing transit and roadway facilities</td>
<td></td>
</tr>
<tr>
<td>Management and Operations</td>
<td>$10 B</td>
</tr>
<tr>
<td>Improve efficiency and remove trips from system</td>
<td></td>
</tr>
<tr>
<td>Growth, Development, and Land Use Strategies</td>
<td>$1 B</td>
</tr>
<tr>
<td>Improve transportation and land use balance</td>
<td></td>
</tr>
</tbody>
</table>

### STRATEGIC INFRASTRUCTURE INVESTMENT

<table>
<thead>
<tr>
<th>Description</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rail and Bus</td>
<td>$42 B</td>
</tr>
<tr>
<td>Encourage switch to transit</td>
<td></td>
</tr>
<tr>
<td>HOV/Managed Lanes</td>
<td>$56 B</td>
</tr>
<tr>
<td>Increase auto occupancy</td>
<td></td>
</tr>
<tr>
<td>Freeways/Tollways and Arterials</td>
<td></td>
</tr>
<tr>
<td>Add vehicle capacity</td>
<td></td>
</tr>
</tbody>
</table>

**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

148 B
8 B Revenue Enhancements
41 B Baseline
99 B Baseline Revenue
Pressures Potentially Diminishing Transportation Revenue

Legacy Revenue Structure
- Periodic
- Federal/State Infusions
- Baseline: Stable Funding
- Gas Taxes
- Registration Fees

Recent Mobility Plans
- Forecasted Revenue Enhancements
- Baseline: Diminishing Revenues
- Gas Taxes
- Registration Fees
- State/Federal/Local

Mobility 2045 Update
- Forecasted Revenue Enhancements
- Adjusted Baseline: i.e., Federal Infusion, IIJA, Prop. 1/7
- Baseline: Diminishing Revenues
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

**Mobility 2045**

**Mobility 2045 Update**

**Next Plan**

**Public Involvement**

Activities Include:

- Public Meetings
- Speaking Engagements
- Outreach Events
- Publications
- Press Releases
- Social Media
- Development Activities
Safety of merging, poor visibility, and blind spots are often mentioned.

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

Safety is a top factor impeding people from walking or biking.

Dashboard Available at: 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

<table>
<thead>
<tr>
<th>Traffic Analysis Zone Category</th>
<th>Below Poverty</th>
<th>All Protected Classes*</th>
<th>Non-Protected Classes</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2045 Build (No-Build of Tolled Facilities)</td>
<td>2045 Build (Including Tolled Facilities)</td>
<td>2045 Build (No-Build of Tolled Facilities)</td>
</tr>
<tr>
<td>Jobs Within 30 Minutes by Automobile**</td>
<td>703,602</td>
<td>719,145</td>
<td>678,491</td>
</tr>
<tr>
<td>Average Speed (mph)**</td>
<td>24</td>
<td>26</td>
<td>23</td>
</tr>
<tr>
<td>Minutes to Travel 20 Miles**</td>
<td>50</td>
<td>46</td>
<td>53</td>
</tr>
</tbody>
</table>

*Below Poverty, Total Minority, and Limited English Proficiency

**AM Peak
JOB ACCESS BY AUTO AND TRANSIT

Number of Accessible Jobs (AM Peak)

<table>
<thead>
<tr>
<th>Current Network</th>
<th>2045 Build</th>
</tr>
</thead>
<tbody>
<tr>
<td>Protected Access Within 30 Minutes by Automobile</td>
<td>746,963</td>
</tr>
<tr>
<td>Protected Access Within 60 Minutes by Transit</td>
<td>491,099</td>
</tr>
<tr>
<td>Non-Protected Access Within 30 Minutes by Automobile</td>
<td>333,437</td>
</tr>
<tr>
<td>Non-Protected Access Within 60 Minutes by Transit</td>
<td>175,116</td>
</tr>
</tbody>
</table>
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
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
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
<table>
<thead>
<tr>
<th>DATE</th>
<th>ACTIVITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>April – December 2021</td>
<td>RTC &amp; STTC – Mobility Plan Update Schedule, Project Selection, and Demographic Assumptions</td>
</tr>
<tr>
<td>January 2022</td>
<td>RTC – Mobility Plan Update Progress</td>
</tr>
<tr>
<td>January 2022</td>
<td>STTC – Mobility Plan Update Progress</td>
</tr>
<tr>
<td>February 2022</td>
<td>RTC – Mobility Plan Update Progress</td>
</tr>
<tr>
<td>February 2022</td>
<td>STTC – Action Requested: Recommend RTC Direct Staff to Enter Public Comment Period</td>
</tr>
<tr>
<td>March 2022</td>
<td>RTC – Action Requested: Direct Staff to Enter Public Comment Period</td>
</tr>
<tr>
<td><strong>March 2022</strong></td>
<td><strong>STTC – Mobility Plan Update Progress</strong></td>
</tr>
<tr>
<td>April – May 2022</td>
<td>Official Public Comment Period</td>
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<tr>
<td>April 2022</td>
<td>RTC – Mobility Plan Update Progress</td>
</tr>
<tr>
<td>April 2022</td>
<td>STTC – Mobility Plan and Air Quality Conformity</td>
</tr>
<tr>
<td>May 2022</td>
<td>RTC – Mobility Plan and Air Quality Conformity</td>
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<tr>
<td><strong>May 2022</strong></td>
<td><strong>STTC – Action Requested: Recommend RTC Adopt Mobility 2045 - 2022 Update</strong></td>
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<tr>
<td>June 2022</td>
<td>RTC – Action Requested: Adopt Mobility 2045 - 2022 Update</td>
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