MOBILITY 2045 UPDATE
ACTION ITEM: DRAFT FINAL PLAN

Surface Transportation Technical Committee
May 27, 2022
## TIMELINE

<table>
<thead>
<tr>
<th>DATE</th>
<th>ACTIVITY</th>
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<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>
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<tr>
<td>March 2022</td>
<td>RTC – Action Requested: Direct Staff to Enter Public Comment Period</td>
</tr>
<tr>
<td>March 2022</td>
<td>STTC – Mobility Plan Update Progress</td>
</tr>
<tr>
<td>April – May 2022</td>
<td>Official Public Comment Period</td>
</tr>
<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>
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<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:</strong> Recommend RTC Adopt Mobility 2045 - 2022 Update</td>
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<tr>
<td><strong>June 2022</strong></td>
<td><strong>RTC – Action Requested:</strong> Adopt Mobility 2045 - 2022 Update</td>
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</tbody>
</table>
MAJOR MOBILITY PLAN COMPONENTS

PLAN CONTENT
- PROGRAMS
- POLICIES
- PROJECTS

FINANCIAL PLAN
- FINANCIAL CONSTRAINT

NONDISCRIMINATION ANALYSIS
- NO DISPARATE IMPACTS

AIR QUALITY CONFORMITY
- CONSISTENCY WITH FEDERAL/STATE AIR QUALITY GOALS

Information

Results and Recommendations
- Available for Public Review (60 Days)

Results and Recommendations
- Available for Public Review (60 Days)

Results and Recommendations
- Available for Public Review (60 Days)

Results and Recommendations
- Available for Public Review (30 Days)
PLAN CONTENT: RECENT REVISIONS

Mobility 2045: 2022 Update

The Mobility 2045: 2022 Update draft materials are available. Reasonable funding sources to help meet the current and growing transportation needs will be included in the draft plan. Consideration of the draft plan by the Regional Transportation Council is expected on June 9, 2022.

Draft Plan Materials
Draft Maps

- Changes to Major Roadway Recommendations
- Major Roadway Recommendations
- Highway Corridor Projects
- Arterial Capacity Improvements
- Priced Facilities
- Tollified Managed Lane System Policy Boundary

www.nctcog.org/PlanInProgress

Project Maps/Listings

- Select Asset Optimization, Freeway/Tollway, and RSA identification numbers and costs updated to make consistent with TIP
- Project development phases and staging adjustments for consistency
- Only change to map recommendations: added one asset optimization project for US 175

Chapter Content

- Map Your Experience summaries added to Mobility Options and Social Considerations chapters
- Air Quality Conformity results added to Environmental Considerations chapter
- Financial Reality chapter updated with final figures
**PUBLIC COMMENTS: MAJOR THEMES**

- Support for expansion of transit network including rail to alleviate congestion
- Congestion and maintenance relationship
- Cost of congestion methodology
- Safety included as part of Mobility Plan
- Add capacity to suburban highways to alleviate downtown congestion
- Expanding trails and pedestrian access

- Make sure transportation “accessible to ALL disabilities, like wheelchairs, vision impairment, walkers, etc.”

- “I hope future projects will include Vision Zero goals, incorporate mass transit and safe dedicated bicycle infrastructure.”

- Questions and comments:
  - Make sure transportation is accessible to ALL disabilities.
  - I hope future projects will include Vision Zero goals and incorporate mass transit and safe dedicated bicycle infrastructure.

- Online Comment Form
- Mail
- Community Events
- Map Your Experience
- Social Media
- NCTCOG Public Meetings
# DRAFT FINANCIAL PLAN

## EXPENDITURES

### MAXIMIZE EXISTING SYSTEM

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
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<tbody>
<tr>
<td>Infrastructure Maintenance</td>
<td>$39.5 B</td>
</tr>
<tr>
<td>Maintain and operate existing transit and roadway facilities</td>
<td></td>
</tr>
<tr>
<td>Management and Operations</td>
<td>$9.6 B</td>
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<tr>
<td>Improve efficiency and remove trips from system</td>
<td></td>
</tr>
<tr>
<td>Growth, Development, and Land Use Strategies</td>
<td>$1.5 B</td>
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<tr>
<td>Improve transportation and land use balance</td>
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### STRATEGIC INFRASTRUCTURE INVESTMENT

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<th>Description</th>
<th>Amount</th>
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<tbody>
<tr>
<td>Rail and Bus</td>
<td>$44.9 B</td>
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<tr>
<td>Encourage switch to transit</td>
<td></td>
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<tr>
<td>HOV/Managed Lanes</td>
<td>$52.8 B</td>
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<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>
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</table>

## TOTAL

$148.3 B
### PLAN SCHEDULE

#### 2020
- Q2
- Q3
- Q4

#### 2021
- Q1
- Q2
- Q3
- Q4
- Jan
- Feb
- Mar
- April
- May
- June
- July
- Aug
- Sept
- Oct
- Nov

#### 2022

**Agency and Public Coordination**

**Plan Development**

- Draft Forecast
- Demographic Forecast Development
- Final Forecast
- Draft Recommendations for Review
- Official Comment Period
- Draft Plan Published
  - As of February 2022
  - Official Public Comment Period
    - April 1, 2022 – May 31, 2022

**Air Quality Conformity**

**Notes:**
- Public meetings held during highlighted months.
- Regional Transportation Council action on Mobility 2045 Update scheduled for June 9, 2022.
TRANSPORTATION CONFORMITY
2022 TRANSPORTATION AIR QUALITY CONFORMITY ANALYSIS

Nonattainment Areas Under the 8-Hour Ozone Standards
2023 TRANSPORTATION CONFORMITY RESULTS
(SCENARIO 1) DRAFT

NITROGEN OXIDES (NO\textsubscript{X})
(TONS/DAY)

2017 MVEB\textsuperscript{1} 130.77 tons/day

2023 2026 2036 2045

Includes Reductions from RTC Initiatives of 1.19 tons/day

VOLATILE ORGANIC COMPOUNDS (VOC)
(TONS/DAY)

2017 MVEB\textsuperscript{1} 64.91 tons/day

Includes Reductions from RTC Initiatives of 0.24 tons/day

\textsuperscript{1}Adequacy Status of the Dallas-Fort Worth, Texas Attainment Demonstration 8-Hour Ozone Motor Vehicle Emission Budgets for Transportation Conformity Purposes, 81 FR 78591
2023 TRANSPORTATION CONFORMITY RESULTS
(SCENARIO 2) DRAFT

NITROGEN OXIDES (NO$_X$)
(TONS/DAY)

- **2020 MVEB**: 107.25 tons/day

<table>
<thead>
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<th>Emissions (tons/day)</th>
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<tr>
<td>2023</td>
<td>75.19</td>
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<tr>
<td>2026</td>
<td>66.05</td>
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<tr>
<td>2036</td>
<td>0.75</td>
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<tr>
<td>2045</td>
<td>0.99</td>
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Includes Reductions from RTC Initiatives of 1.19 tons/day

VOLATILE ORGANIC COMPOUNDS (VOC)
(TONS/DAY)

- **2020 MVEB**: 62.41 tons/day

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<tr>
<td>2023</td>
<td>41.30</td>
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<td>2026</td>
<td>36.62</td>
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<td>2036</td>
<td>0.42</td>
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<td>2045</td>
<td>0.43</td>
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Includes Reductions from RTC Initiatives of 0.24 tons/day

1 Anticipated Dallas-Fort Worth, Texas Reasonable Further Progress 8-Hour Ozone Motor Vehicle Emission Budgets for Transportation Conformity Purposes, 85 FR 64084
ACTION REQUESTED

The Surface Transportation Technical Committee endorses the projects, programs, and policies contained in Mobility 2045 Update and recommends the Regional Transportation Council adopt the Mobility 2045 Update and associated 2022 Transportation Conformity as presented.
CONTACTS

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Air Quality Conformity