MOBILITY 2045 UPDATE
SCHEDULE AND DRAFT PLAN PROGRESS

Surface Transportation Technical Committee
April 22, 2022
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

Results and Recommendations Available for Public Review (60 Days)

Information

Results and Recommendations Available for Public Review (60 Days)

Information

Results and Recommendations Available for Public Review (60 Days)

Information

Results and Recommendations Available for Public Review (30 Days)
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
- Tolled Managed Lane System Policy Boundary

**Project Maps/Listings**

- Select Asset Optimization, Freeway/Tollway, and RSA identification numbers updated
- No change to transit or roadway recommendations

**Chapter Content**

- Map Your Experience summaries added to Mobility Options and Social Considerations chapters
- Air Quality Conformity results added to Environmental Considerations chapter
- Financial refinements made in Financial Reality chapter

www.nctcog.org/PlanInProgress
DRAFT MAPS AVAILABLE ONLINE

www.nctcog.org/PlanInProgress
# Draft Financial Plan

## Expenditures

<table>
<thead>
<tr>
<th>MAXIMIZE EXISTING SYSTEM</th>
<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>Infrastructure Maintenance</td>
<td>Maintain and operate existing transit and roadway facilities</td>
<td>$39 B</td>
</tr>
<tr>
<td>Management and Operations</td>
<td>Improve efficiency and remove trips from system</td>
<td>$10 B</td>
</tr>
<tr>
<td>Growth, Development, and Land Use Strategies</td>
<td>Improve transportation and land use balance</td>
<td>$1 B</td>
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<table>
<thead>
<tr>
<th>STRATEGIC INFRASTRUCTURE INVESTMENT</th>
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</thead>
<tbody>
<tr>
<td>Rail and Bus</td>
<td>Encourage switch to transit</td>
<td>$42 B</td>
</tr>
<tr>
<td>HOV/Managed Lanes</td>
<td>Increase auto occupancy</td>
<td>$56 B</td>
</tr>
<tr>
<td>Freeways/Tollways and Arterials</td>
<td>Add vehicle capacity</td>
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</tbody>
</table>

**Total**

|  | $148 B | $148.3 B |
Comments Received Via:

- Community Events
- Map Your Experience
- NCTCOG Public Meetings
- Social Media
- Online Comment Form
- Mail

Question and Comment Topics:

- Support for expansion of transit network 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

Official Public Comment Period:
April 1, 2022 - May 31, 2022
## PLAN SCHEDULE

<table>
<thead>
<tr>
<th>2020</th>
<th>2021</th>
<th>2022</th>
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<tbody>
<tr>
<td>Q2</td>
<td>Q3</td>
<td>Q4</td>
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<tr>
<td>Q1</td>
<td>Q2</td>
<td>Q3</td>
</tr>
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<td>Q4</td>
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<td>Oct</td>
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<td>Nov</td>
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### Agency and Public Coordination

- **Plan Development**
- **Draft Forecast Development**
- **Draft Recommendations for Review**
- **Official Comment Period**
  - April 1, 2022 – May 31, 2022

### Draft Plan Published

As of February 2022

### Official Public Comment Period

April 1, 2022 – May 31, 2022

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

### Air Quality Conformity

**STTC Action**

**RTC Action**
<table>
<thead>
<tr>
<th>DATE</th>
<th>ACTIVITY</th>
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<tr>
<td>April – December 2021</td>
<td>RTC &amp; STTC – Mobility Plan Update Schedule, Project Selection, and Demographic Assumptions</td>
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<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>
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<tr>
<td>March 2022</td>
<td>STTC – Mobility Plan Update Progress</td>
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<td>April – May 2022</td>
<td>Official Public Comment Period</td>
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<td>April 2022</td>
<td>RTC – Mobility Plan Update Progress</td>
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<td><strong>April 2022</strong></td>
<td><strong>STTC – Mobility Plan and Air Quality Conformity</strong></td>
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<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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PURPOSE

*Required* by Federal Legislation

*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

Scenarios
  Conformity Demonstration Against Current Motor Vehicle Emissions Budgets (Analysis year 2017, Meteorological Data 2012), OR
  Conformity Demonstration Against Anticipated Motor Vehicle Emissions Budgets (Analysis year 2020, Meteorological Data 2011)

Analysis Years
  2023, 2026, 2036, and 2045
2023 TRANSPORTATION CONFORMITY RESULTS (SCENARIO 1)

NITROGEN OXIDES (NOₓ) (TONS/DAY)

VOLATILE ORGANIC COMPOUNDS (VOC) (TONS/DAY)

Includes Reductions from RTC Initiatives of 1.16 tons/day

Includes Reductions from RTC Initiatives of 0.23 tons/day

2017 MVEB¹ = 130.77 tons/day

2017 MVEB² = 64.91 tons/day

¹Adequacy 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)

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

- 2023: 75.22
- 2026: 66.05
- 2036: 52.24
- 2045: 59.43

VOLATILE ORGANIC COMPOUNDS (VOC) (TONS/DAY)

- 2023: 41.31
- 2026: 36.62
- 2036: 27.76
- 2045: 28.15

Includes Reductions from RTC Initiatives of 1.16 tons/day

2020 MVEB\textsuperscript{1} = 107.25 tons/day

Includes Reductions from RTC Initiatives of 0.23 tons/day

2020 MVEB\textsuperscript{1} = 62.41 tons/day

\textsuperscript{1}Anticipated Dallas-Fort Worth, Texas Reasonable Further Progress 8-Hour Ozone Motor Vehicle Emission Budgets for Transportation Conformity Purposes, 85 FR 64084
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Air Quality Conformity