SH-183 Scope of Irving

Legend

- Area of Interest

Regional Transportation Council
May 10, 2018

Michael Morris, P.E.
Director of Transportation

Ken Kirkpatrick
Counsel for Transportation

Christie Gotti
Senior Program Manager
Transportation Project Programming
SUMMARY OF IH 635 EAST PROJECT DEAL POINTS

Applies to IH 635 East
Advances Design-Build Procurement this Month
Minimizes Areas of Risk (Advances Family 6)
Reconfirmed Soft Match for Category 12 to Region
Consistent with RTC Policy P17-01
Consistent with Proposed Mobility 2045
Closes Funding Gap without Cashing In Projects
Includes Skillman/Audelia Interchange
Completes 20-Year Process for IH 635
Proposes Equitable Funding Table Partnership
ACTION REQUESTED

Approve RTC Item 5.2, Cover Letter

Item 5.3, Resolution

Item 5.4, Funding Table

No Longer Pursue NTTA Approach

Add Details to All TIP Documents and UTP Requests
2019-2022 TRANSPORTATION IMPROVEMENT PROGRAM LISTINGS

Regional Transportation Council

May 10, 2018
A COOPERATIVE EFFORT

Local Governments
- Cities
- Counties

Texas Department of Transportation
- Dallas District
- Fort Worth District
- Paris District

Transit Agencies
- DART
- Trinity Metro
- DCTA

Transportation Agencies
- North Texas Tollway Authority
- DFW Airport

2019-2022 Transportation Improvement Program for North Central Texas
2019-2022 TRANSPORTATION IMPROVEMENT PROGRAM (TIP): DEVELOPMENT PROCESS

- Review existing projects and gather information on additional locally funded projects.
- Make needed revisions to existing project schedules, funding, and/or scope.
- Develop revised project listings.
- Financially constrain project programming based on estimated future revenues.
- Conduct Mobility Plan and Air Quality conformity review.
- Solicit public input.

- Finalize project listings and submit to the Texas Department of Transportation (TxDOT) and Federal Highway Administration (FHWA).
SCOPE OF PROGRAMMING

• $8.23 Billion in the 2019-2022 TIP (Roadway and Transit)
  • $3.30 Billion in Federal Commitments
  • $1.07 Billion in State Commitments
  • $0.15 Billion in Regional Commitments
  • $0.58 Billion in Local Commitments
  • $3.13 Billion in Transit Commitments

• 1,114 Active Projects (Roadway and Transit)

• 76 Implementing Agencies (Roadway and Transit)
REQUESTED ACTION

• RTC approval of:
  • The projects and project changes shown in the 2019-2022 TIP roadway double entry report and transit listings (Reference Item 6.2)
  • Amending the Unified Planning Work Program (UPWP) and other planning/administrative documents to incorporate TIP-related changes
  • Submitting the final 2019-2022 TIP document to TxDOT for inclusion in the Statewide Transportation Improvement Program (STIP)
  • The resolution adopting the 2019-2022 TIP which will be transmitted to federal, state, and local impacted agencies (Reference Item 6.3)
  • The ability to administratively amend individual TIP projects to match the new Mobility 2045 recommendations (including LBJ East and SH 183) as needed

• Only projects in FY 2019-2022 will be included in the new TIP
  • Projects in FY 2023+ will be included in an appendix to allow project development activities to continue.
<table>
<thead>
<tr>
<th>Date Range</th>
<th>Activity Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>May – October 2017</td>
<td>Conducted meetings with implementing agencies</td>
</tr>
<tr>
<td>August 2017 – February 2018</td>
<td>Data entry and financial constraint</td>
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<tr>
<td>February - March 2018</td>
<td>Presented draft listings to STTC and RTC for Information</td>
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<tr>
<td>April 2018</td>
<td>Conduct public meetings</td>
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<td></td>
<td>Present final listings to STTC for Action</td>
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<tr>
<td><strong>May 2018</strong></td>
<td><strong>Present final listings to RTC for Action</strong></td>
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<tr>
<td>June 2018</td>
<td>Transmit final document to TxDOT</td>
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<tr>
<td>August 2018</td>
<td>Anticipate approval of the STIP by Texas Transportation Commission</td>
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<tr>
<td>October/November 2018</td>
<td>Anticipate federal approval of the STIP</td>
</tr>
</tbody>
</table>
2019-2022 TIP DEVELOPMENT: QUESTIONS/COMMENTS

Christie J. Gotti
Senior Program Manager
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Brian Dell
Transportation Planner III
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The Problem

Improperly discarded tires lead to a number of harmful effects on:

- The environment
- Human health
- Safety
Scrap tire recycling and collection programs would:

- Improve the environment
- Increase safety
- Create jobs
Mobility 2045 – Language inclusion into the Environmental Considerations Chapter

“Transportation-related businesses also can support healthy communities and the environment. For example, byproducts of transportation that may otherwise be dumped in the natural environment or stored at landfills can be recycled into new transportation sources, such as crumb rubber asphalt or railroad ties. This process promotes healthy communities by eliminating a potential breeding ground for mosquitoes when rainwater collects in abandoned transportation byproducts, such as tires.”

Continue discussions with Regional Transportation Council and local governments to implement regional program

Include in forthcoming Metropolitan Transportation Plan Policy Bundle
Requested Action

Request Regional Transportation Council Approval of:

Adding Tire Recycling Program language to Mobility 2045 for incorporation into the Metropolitan Transportation Plan Policy Bundle

Allow staff to engage the Regional Transportation Council and local governments to advance conversations for policy implementation
Contact

Jenny Narvaez
Principal Air Quality Planner
(817) 608-2342
jnarvaez@nctcog.org
Regional Transportation Council Legislation and Finance Partnership - Committee of the Whole Meeting Follow-Up and Legislative Update

MAY 10, 2018

AMANDA WILSON, AICP
NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS
RTC State Legislative Program

Potential 2019 Topics

Vehicle miles traveled (VMT) based collection

Electric vehicles

Use Comptroller revenues as infrastructure bank
  ◦ Two benefits: Comptroller and ability to borrow money

Transit and high speed rail; new technology companies (next generation people movers)

Local Option
RTC Federal Program

Potential New Topics

VMT
Donor State
Latest US Census Formula
Electric Vehicles
New Pilot Test
Federal Update

FY18 Appropriations

Approved March 23

$1.3 trillion for all departments

Transportation-HUD increase of $12.6B over FY17 ($57.7B to $70.3B)

- $47.5B for FHWA programs (+$2.55B); no rescission of highway contract authority
- $10.5B for transit formula grants (+$834M)
- $2.6B for Capital Investment Grants (+$232M)
- $1.5B for TIGER ➔ Now BUILD (+$1B)
Federal Update

Better Utilizing Investments to Leverage Development (BUILD) Transportation Discretionary Grants

- $1.5B for BUILD
- Rural set aside of 30 percent
- Maintains $25M maximum grant size
- No more than 10 percent awarded to a single state
- Up to $15M for planning
- Notice of funding announced April 20, 2018; applications due July 19, 2018
Federal Update

Trump Administration Infrastructure Plan

Official plan released February 12, 2018

Principles:

◦ Stimulate Infrastructure Investment – $200 billion in Federal funds to spur $1.5 trillion in infrastructure investments

◦ Invest in rural America – $50B for rural areas

◦ Increase State and local authority in permitting decisions

◦ Eliminate regulatory barriers

◦ Streamline permitting

◦ Strengthen and support America’s workforce
Federal Update

One Federal Decision Executive Order

April 9, 2018 MOU implementing “One Agency, One Decision” permitting framework

◦ Recommended in Trump plan
◦ Establishes a cooperative relationship for environmental reviews
◦ Two-year goal
◦ Concurrent reviews
Federal Update

FY19 Appropriations

FHWA, FTA discussed proposed budget requests in April House Appropriations Subcommittee hearing

HR 5515 – FY19 National Defense Authorization
  ◦ May 9 Markup in House Armed Services Committee
  ◦ Proposes funding cuts to the Office of Economic Adjustment (OEA)
  ◦ OEA grants fund Joint Land Use Study implementation

Congress considering a $15 billion rescissions package; $279 million to DOT accounts, older unspent funds/earmarks
Texas Legislature

Recent Interim Committee Hearings

Senate Transportation

- April 24 on State and Federal funding to accelerate project delivery; UTP funding allocations and project selection; TxDOT Sunset bill implementation

House Transportation

- April 18 on new and existing transportation finance mechanisms; toll authority oversight
Texas Legislature

Upcoming Interim Committee Hearings

House Appropriations

◦ May 24 on TERP fund balance
Action Requested

**Recommend for RTC Approval:**

- Electric Vehicles – Send letter to Comptroller’s Office supporting work on transportation revenue impacts associated with electric vehicle use; support potential statutory updates
- LIRAP/LIP – Support the appropriation of the residual balance of previously collected LIRAP/LIP funds in the RTC Legislative Program
- Engage state officials by hosting a lunch/workshop for legislators or their staff on transportation issues
- Develop and share legislative positon with local governments and other partner entities
Action Requested

Recommend for RTC Approval:

◦ Advance communications with the Federal Railroad Administration’s Office; host a workshop to discuss federal transportation issues and project leveraging

◦ Approve support for the Department of Defense’s Office of Economic Adjustment
Contact Information

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Rebekah Hernandez
Communications Supervisor
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www.nctcog.org/legislative
Mobility 2045 Update
Arterial Capacity Improvements

Disclaimer: Lines indicate arterials with funds for improvement.

Facility recommendations indicate transportation need. Corridor-specific alignment, design, and operational characteristics will be determined through ongoing project development.
Major Roadway Recommendations

Draft Mobility 2045 Document
Project Recommendation Maps
Project Recommendation Tables

www.nctcog.org/mobility2045

Submit Mobility 2045 Comments by Email

mobilityplan@nctcog.org
Public Comment Topics

April 2018

Finish LBJ East ASAP with Managed Toll Lanes
Complete Green Line Extension Sooner
Additional Bike/Ped Trails in SE Dallas County
Build More Lanes During Initial Construction
Length of Time to Build Projects
How Do We Account for Ride Sharing in the Plan?
# Mobility 2045 Schedule

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<td><strong>Air Quality Conformity</strong></td>
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## Notes:
- Public meetings held during highlighted months.
- Regional Transportation Council action on Mobility 2045 scheduled for June 14, 2018.
2018 Transportation Air Quality Conformity Analysis
2018 Transportation Air Quality Conformity Analysis: Results

Emissions of NO\textsubscript{x} Results for 2008 and 2015 Nonattainment Areas

- **2018**: 111.12 tons/day
- **2020**: 93.14 tons/day
- **2028**: 56.09 tons/day
- **2037**: 43.69 tons/day
- **2045**: 45.04 tons/day

Includes Reductions from RTC Initiatives of 2.12 tons/day

**2017 MVEB = 130.77 tons/day**

- Emissions (tons/day)
- Analysis Years

**Legend**:
- Green = Rockwall County Emissions
2018 Transportation Air Quality Conformity Analysis: Results

Emissions of VOC Results for 2008 and 2015 Nonattainment Areas

Includes Reductions from RTC Initiatives of 0.56 tons/day

2017 MVEB$^1 = 64.91$ tons/day

DRAFT
Questions?

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www.nctcog.org/mobility2045
Transit Corridor Recommendations

**Recommended Rail**
- Existing Rail
- Recommended High-Intensity Bus

DRAFT

Facility recommendations indicate transportation need. Corridor-specific alignment, design, and operational characteristics will be determined through ongoing project development.
Asset Optimization Recommendations

Facility recommendations indicate transportation need. Corridor-specific alignment, design, and operational characteristics will be determined through ongoing project development.
Priced Facility Recommendations

Facility recommendations indicate transportation need. Corridor-specific alignment, design, and operational characteristics will be determined through ongoing project development.
Facility recommendations indicate transportation need. Corridor-specific alignment, design, and operational characteristics will be determined through ongoing project development.
Facility recommendations indicate transportation need. Corridor-specific alignment, design, and operational characteristics will be determined through ongoing project development.
Roadway Corridors for Future Evaluation

Roadway corridors for future evaluation indicate an identified transportation need and do not represent recommendations or specific alignments. Recommendations may be developed for future MTPs through feasibility analyses, thoroughfare plans, and environmental studies.
Toll Managed Lane System Policy Boundary

Congestion Index
- No Congestion
- Light Congestion
- Moderate Congestion
- Severe Congestion

Within Boundary – Year 2018
- 13% Land Area
- 79% Vehicle Hours of Congestion Delay

Cost of Congestion/Delay: $11.9 billion

Congestion Index is based on a percent increase in travel time.
## Mobility 2045 Prioritization and Expenditures

### Maximize Existing System

- **Infrastructure Maintenance**
  - Maintain & Operate Existing Facilities
  - Bridge Replacements
  - **$37.5**

- **Management and Operations**
  - Improve Efficiency & Remove Trips from System
  - Traffic Signals and Bicycle & Pedestrian Improvements
  - **$9.5**

- **Growth, Development, and Land Use Strategies**
  - More Efficient Land Use & Transportation Balance
  - **$3.2**

### Strategic Infrastructure Investment

- **Rail and Bus**
  - Induce Switch to Transit
  - **$33.3**

- **HOV/Managed Lanes**
  - Increase Auto Occupancy
  - **$52.0**

- **Freeways/Tollways and Arterials**
  - Additional Roadway Capacity

*Actual dollars, in billions. Values may not sum due to independent rounding.

### Total Expenditures*

- **$135.4**
Public Comment Topics

October 2017

Eminent Domain
No Lake Corridor Project in Collin County

January 2018

Funding
Hyperloop and Bullet Train
Backup Plan for Toll Road Funding
Arterial Needs Assessment
Draft Plan Available When?

Use Union Pacific Railroad (UPRR) from Fort Worth to Dallas for Commuter Rail

Alternate Roads, Do Not Expand Other Modes
Public Comment Topics

February 2018

Policy Foundation for Mobility 2045
Transportation Assistance for South Dallas County
Transit Funding
Next Steps

Official Public Comment Period
Ends June 7

Revise Recommendations as Needed

Complete Final Document

Review and Action

STTC – May 25
RTC – June 14
2018 Transportation Air Quality Conformity Analysis: Overview

Reason:
• US DOT Transportation Conformity Determination Using New Budgets within Two Years of Motor Vehicle Emission Budgets Adequacy (Deadline November 23, 2018)
• US DOT Approval within One Year of Designations Effective Date Anticipated Deadline of July-August 2019)

Analysis Areas: 9 and 10-County Ozone Nonattainment Areas

Analysis Years: 2018, 2020, 2028, 2037, and 2045

Latest Planning Assumptions: MOVES2014a Emissions Model
  2014 Vehicle Registration
  2016 Traffic Count Data
  2012 Meteorological Data

Motor Vehicle Emissions Budgets (MVEBs)
Nitrogen Oxides (NO$_X$) = 130.77 tons/day
Volatile Organic Compounds (VOC) = 64.91 tons/day
2008 and 2015 8-Hour Ozone Nonattainment Areas
AIR QUALITY UPDATE

Regional Transportation Council

May 10, 2018

Chris Klaus
Senior Program Manager
8-HOUR OZONE NAAQS HISTORICAL TRENDS

Based on ≤70 ppb (As of May 9, 2018)

Exceedance Levels
- Orange (71-75 ppb)
- Orange (76-85 ppb)
- Red (86-105 ppb)
- Purple (106+ ppb)

Ozone Season (Year)

Exceedance Days

- 1998
- 1999
- 2000
- 2001
- 2002
- 2003
- 2004
- 2005
- 2006
- 2007
- 2008
- 2009
- 2010
- 2011
- 2012
- 2013
- 2014
- 2015
- 2016
- 2017
- 2018

Exceedance Levels
Consecutive Three-Year Periods

Design Value (ppb)

- 1997 Standard < 85 ppb (Revoked)
  - As of May 9, 2018

- 2008 Standard ≤ 75 ppb¹ (by 2017)

- 2015 Standard ≤ 70 ppb (TBD; Marginal by 2020)
North Central Texas Council of Governments

Air Quality
Handbook
Spring 2018

This Air Quality Handbook presents the current status of regional air quality and a summary of the work undertaken by the North Central Texas Council of Governments as the metropolitan planning organization and its partners to reduce air pollution and help the region meet federal air quality standards.

Exhibit 1: North Central Texas Nonattainment* Area and Ozone Monitoring Sites
### 8-HOUR OZONE NAAQS

<table>
<thead>
<tr>
<th>Date</th>
<th>Event Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>November 8, 2016</td>
<td>EPA issued Finding of Attainment for 9-County Region</td>
</tr>
<tr>
<td>March 6, 2015</td>
<td>EPA Designated DFW 10-County Region as Moderate Nonattainment (Attainment Deadline: July 20, 2018)</td>
</tr>
<tr>
<td>April 30, 2018</td>
<td>EPA signed Final Rule Classifying 9 Counties as Marginal Nonattainment (Collin, Dallas, Denton, Ellis, Johnson, Kaufman, Parker, Tarrant, and Wise)</td>
</tr>
<tr>
<td>TBD</td>
<td>Classification Effective Date (Attainment Deadline: Summer 2021)</td>
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<tr>
<td>TBD</td>
<td>Implementation Rule (Revoke Previous Standards?)</td>
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<tr>
<td>Date</td>
<td>Event Description</td>
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<tr>
<td>February 16, 2018</td>
<td>D.C. Circuit partially vacated aspects of EPA’s 2008 Ozone Standards Implementation Rule</td>
</tr>
<tr>
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<td>Court unanimously ruled EPA unlawfully waived statutory attainment deadlines associated with 1997 ozone NAAQS</td>
</tr>
<tr>
<td>April 23, 2018</td>
<td>EPA seeks rehearing for:</td>
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<td>The Court’s interpretation of anti-backsliding requirements when EPA replaces an existing ozone NAAQS with a more stringent standard</td>
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<td>The Court’s interpretation of transportation conformity requirements after a NAAQS has been revoked in maintenance areas</td>
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<td>The Court’s decision on vacating certain 2008 ozone SIP Requirements Rule provisions</td>
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</tbody>
</table>
CONTACTS

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Chris Klaus
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Waiting for You to Cross
Why DFW?

Innovation

AV Legislation
Site Selection Criteria

1. Innovation track record
2. Infrastructure condition
3. Departments work together
4. Speed
5. Public/private partnerships
Today: Rides to 4:30 p.m.; panel discussion @4:30 p.m.
Tomorrow: Rides 11:00 a.m. to 2:00 p.m.

Address: 3201 Dallas Parkway Frisco, TX 75034
Contact Information

Thomas J. Bamonte, Senior Program Manager

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