Regional Transportation Council
February 8, 2018

Emily Beckham, Grants & Contracts Supervisor
Purpose of Initiative

Focus on 3 Elements:

Blue – Water
Green – Environment
Grey – Transportation Infrastructure

Advance Projects or Programs with Innovative Outcomes

Seed Money to Develop Ideas for Full Funding/Implementation

Leverage Funding Available
Silo Busting

Water (Blue)  Environment (Green)  Transportation Infrastructure (Grey)
Eligible Applicants
Universities, Cities, Counties, Transit Authorities, Private Firms, Non-Profits, and Individuals

Project or Program Should be Located in 12-County Metropolitan Planning Area

Awarded Projects or Programs Must be Submitted to Implementing Agency or Fully Implemented within 12 months of Notice to Proceed
## Evaluation and Scoring Criteria

<table>
<thead>
<tr>
<th>Category</th>
<th>Scoring (points)</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>Team Qualifications</td>
<td>10</td>
<td>Team includes the correct mix of experience and expertise.</td>
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<tr>
<td>Impact</td>
<td>30</td>
<td>Project has a long-term effect and ability to change future designs.</td>
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<tr>
<td>Innovation/Significance</td>
<td>30</td>
<td>Project shifts current designs/practices by utilizing new approaches, design, or methodologies. Project addresses three elements (water, environment, transportation infrastructure). Project address an important problem or challenge.</td>
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<tr>
<td>Applicability, Adaptation, Transferability, and Practicality</td>
<td>30</td>
<td>Project could be used in other communities or settings. Project is realistic. Program is consistent with eligible funding programs and Regional Transportation Council objectives.</td>
</tr>
</tbody>
</table>
### Recommended Projects

<table>
<thead>
<tr>
<th>Entity</th>
<th>Project Name</th>
<th>Recommended Funding</th>
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</thead>
<tbody>
<tr>
<td>City of Southlake</td>
<td>Burney Lane Biofiltration System</td>
<td>$50,000</td>
</tr>
<tr>
<td>City of Farmers Branch</td>
<td>Green Bus Stop Design Guidelines</td>
<td>$30,000</td>
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<tr>
<td>Dallas Area Rapid Transit</td>
<td>Community Gardens Hatcher Station Pilot</td>
<td>$29,170</td>
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<tr>
<td><strong>Total</strong></td>
<td></td>
<td><strong>$109,170</strong></td>
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<tr>
<td>Milestone</td>
<td>Estimated Timeframe</td>
<td></td>
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<tr>
<td>----------------------------------------</td>
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<tr>
<td>Announced at Irving Summit</td>
<td>August 2017</td>
<td></td>
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<tr>
<td>Application Published</td>
<td>October 4, 2017</td>
<td></td>
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<tr>
<td>Pre-Application Meeting</td>
<td>October 17, 2017</td>
<td></td>
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<tr>
<td>Final Questions Due</td>
<td>October 20, 2017</td>
<td></td>
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<tr>
<td>NCTCOG Responds to Questions</td>
<td>October 23, 2017</td>
<td></td>
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<tr>
<td>Applications Due</td>
<td>November 3, 2017</td>
<td></td>
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<tr>
<td>Review/Scoring of Applications</td>
<td>November – December 2017</td>
<td></td>
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<tr>
<td>STTC Approval of Awards</td>
<td>January 25, 2018</td>
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<tr>
<td>RTC Approval of Awards</td>
<td>February 8, 2018</td>
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<tr>
<td>Executive Board (Agreement Approval)</td>
<td>February 22, 2018</td>
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</tbody>
</table>
Action Requested

Approval of Blue-Green-Grey Awards using Regional Transportation Council Local funds to:

- City of Southlake in the amount of $50,000
- City of Farmers Branch in the amount of $30,000
- Dallas Area Rapid Transit in the amount of $29,170

Ability to Administratively amend the TIP/STIP and UPWP as appropriate to include Blue-Green-Grey awards.
For More Information

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ebeckham@nctcog.org
FOLLOW UP TO THE TEXAS TRANSPORTATION COMMISSION MEETING

Michael Morris, P.E.
Director of Transportation

Regional Transportation Council
February 8, 2018
IH 635 EAST PHASE 3: WORK UNDERWAY

Noise Walls

Major Utility Relocation

Right-of-Way Purchase

Skillman/Audelia Funds Already Approved by Commission
RTC PARTNERSHIP WITH TXDOT

November 2017:
  TxDOT Initiative to Advance IH 635 East EIS

December 2017:
  TxDOT Approves Non-tolled Elements

January 2018:
  RTC Requests Design-build Procurement to Proceed in Parallel with Funding Gap Closure
  Chairman Requests this be Tightened Up Now for Better Transparency
Major Roadway Recommendations

- New or Additional Freeway Capacity
- New or Additional Managed Lane Capacity
- New or Additional Toll Road Capacity
- Staged Facility (Frontage Roads)
- Asset Optimization

DRAFT

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

Rail
1. Cotton Belt
2. Cotton Belt East Extension
3. Downtown Dallas 2nd Alignment (D2)
4. Dallas Streetcar
5. A-train Extension
6. Frisco Line
7. Mansfield Line
8. McKinney Line
9. Midlothian Line
10. Green Line Extension
11. Cleburne Line
12. Southwest TEX Rail
13. Scyene Line
14. Waxahachie Line

High-Intensity Bus
15. IH 35W Express
16. IH 30 Express
17. Spring Creek Parkway

Existing Rail

Dallas CBD

Fort Worth CBD

DRAFT

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

### DRAFT

<table>
<thead>
<tr>
<th>Category</th>
<th>2040</th>
<th>2045</th>
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</thead>
<tbody>
<tr>
<td><strong>Maximize Existing System</strong></td>
<td></td>
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<tr>
<td>Infrastructure Maintenance</td>
<td>$37.4</td>
<td>$38.7</td>
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<tr>
<td>Maintain &amp; Operate Existing Facilities</td>
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<td>Bridge Replacements</td>
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<tr>
<td>Management and Operations</td>
<td>$7.2</td>
<td>$9.6</td>
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<tr>
<td>Improve Efficiency &amp; Remove Trips from System</td>
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<tr>
<td>Traffic Signals and Bicycle &amp; Pedestrian Improvements</td>
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<tr>
<td>Growth, Development, and Land Use Strategies</td>
<td>$3.6</td>
<td>$3.2</td>
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<tr>
<td>More Efficient Land Use &amp; Transportation Balance</td>
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<tr>
<td><strong>Strategic Infrastructure Investment</strong></td>
<td></td>
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<tr>
<td>Rail and Bus</td>
<td>$27.2</td>
<td>$33.4</td>
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<tr>
<td>Induce Switch to Transit</td>
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<tr>
<td>HOV/Managed Lanes</td>
<td>$43.4</td>
<td>$50.6</td>
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<tr>
<td>Increase Auto Occupancy</td>
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<tr>
<td>Freeways/Tollways and Arterials</td>
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<tr>
<td>Additional Roadway Capacity</td>
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<tr>
<td><strong>Total Expenditures</strong></td>
<td>$118.9</td>
<td>$135.5</td>
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*Actual dollars, in billions. Values may not sum due to independent rounding.
Regional Funding

Roadway Expenditures $51 B

Regional Roadway Needs $389 B

Shortfall $338 B

DRAFT

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

Technology

- Encourage Data Sharing
- Encourage Automated Vehicles
- Support Infrastructure Maintenance
- Encourage Ridesharing

Asset Optimization

Resiliency

- Develop Strategies to Address Vulnerabilities

Roadway Maintenance

- Support Asset Management Policies
Selected Proposed Policy Additions

General

Support Ability to Modify Mobility Plan for Emergency Operational Improvements

- Technology Lanes
- Managed Lanes
- Access Ramps
- Auxiliary Lanes

Managed Toll Lane System

Support Implementation within a Tolled Managed Lane Policy Area
Toll Managed Lane System Policy Boundary

Cost of Congestion/Delay: $25.3 billion
*Congestion Index is based on a percent increase in travel time.
## Toll Facility Effect

### Computer Simulation Analysis

**Average Weekday in 2040**

<table>
<thead>
<tr>
<th>Performance Measure</th>
<th>Toll Facility Presence</th>
<th>Change</th>
</tr>
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<tbody>
<tr>
<td></td>
<td>With</td>
<td>Without</td>
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<tr>
<td><strong>Vehicle Hours of Travel</strong></td>
<td>9,734,528</td>
<td>17,451,493</td>
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<tr>
<td><strong>Average Speed (mph)</strong></td>
<td>32.8</td>
<td>18.5</td>
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<tr>
<td><strong>Vehicle Hours Spent in Delay</strong></td>
<td>3,587,038</td>
<td>10,979,607</td>
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2040 Levels of Congestion/Delay

Cost of Congestion/Delay: $25.3 billion

*Congestion Index is based on a percent increase in travel time.
2040 Levels of Congestion/Delay
No Tolled Facilities

Cost of Congestion/Delay: $77.4 billion
Congestion Index is based on a percent increase in travel time.
Tolled Managed Lanes

Purpose: Manage Congestion
Increase Mobility

Guaranteed Speeds in Tolled Lanes
  Speeds 50% Faster for Non-Tolled Lanes
  Speeds 75% Faster for Tolled Lanes

Project Funding Supplement
Allow Private Sector Participation
Users Average About $10 per Month
Drivers Have Choice and Predictability
### Mobility 2045 Schedule

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<tbody>
<tr>
<td><strong>Plan Development</strong></td>
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<td><strong>Draft Recommendations for Review</strong></td>
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<td><strong>Official Comment Period</strong></td>
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<td><strong>STTC Action</strong></td>
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<td><strong>RTC Action</strong></td>
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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 Plan scheduled for June 14, 2018.
Mobility 2045 Next Steps

Revise Recommendations
RTC Update in March
Public Comment Period Begins in April
Review and Action

STTC – May 25
RTC – June 14
Questions?

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www.nctcog.org/mobility2045