TXDOT/RTC PARTNERSHIP FOR RELIABILITY, CONGESTION MITIGATION, AND AIR QUALITY

REGIONAL TRANSPORTATION COUNCIL
MARCH 13, 2014
RTC/TXDOT PARTNERSHIP

- Flexible CMAQ funding partnership with TxDOT
- TxDOT request to remove environmental speed limit restrictions
- Need to offset emission benefits of environmental speed limits
- Availability of MAP-21 funds
- Congestion, Reliability, & Incident Management
- TDC transfer and establish “revolver” fund for RTC initiatives
## FUNDING “BUCKETS”

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
<th>New Funds</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flexible CMAQ Funds <em>(advance projects)</em></td>
<td>$25</td>
<td>✓</td>
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<tr>
<td>Environmental Speed Limits &amp; Reliability/Incident Management Partnership</td>
<td></td>
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<tr>
<td>◦ CMAQ Freed Up by Flexible CMAQ</td>
<td>$25</td>
<td>✓</td>
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<tr>
<td>◦ New STP-MM Funds - MAP-21 <em>(FY2014)</em></td>
<td>$10</td>
<td>✓</td>
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<tr>
<td>◦ Quick Implementation CMAQ funds <em>(FY2014)</em></td>
<td>$24</td>
<td>✓</td>
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<tr>
<td>TDC transfer to create “revolver” <em>(Credits)</em></td>
<td>25-50</td>
<td></td>
</tr>
<tr>
<td>Revolver Fund for RTC Initiatives</td>
<td>$5</td>
<td>✓</td>
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</tbody>
</table>
IMPACT OF REMOVING ENVIRONMENTAL SPEED LIMITS

- Emissions benefits to be offset: ≈0.4 tons of Nitrogen Oxides (NOx) per day
- Equity impact to central urban areas vs. suburban/rural areas
- Suburban/rural areas benefit from increased speeds and funding from signal call for projects
- Propose operational improvements (signals, ITS) in central urban area
- Propose new round of air quality initiatives
IMPLEMENTATION OF CONGESTION MANAGEMENT PROCESS (CMP)

- Equity: Focus on central urban area
- Create a TxDOT partnership
- Facilitate incident response & increase reliability
- Coordinate with ongoing Regional Traffic Signal Retiming Call for Projects

Proposed partnership:
- Focus on State Highway System, including frontage roads
- Fund traffic signal progression with minor equipment upgrades if needed
- Fund intelligent transportation system
- Fund truck lane restrictions (STP-MM)
RELIABILITY AND INCIDENT MANAGEMENT THROUGH TRAFFIC SIGNAL RETIMING

- Regional Traffic Signal Retiming Program Call for Projects underway
- Recommend funding TxDOT Dallas, TxDOT Fort Worth, City of Dallas, City of Fort Worth, and other cities in central urban core through new RTC/TxDOT partnership
- Benefits other agencies in region call by increasing the pool of revenues for their projects
- Implement an aggressive frontage road reliability program
QUICK IMPLEMENTATION – CMAQ FUNDS

- TxDOT focus on faster project delivery
- RTC emphasis on project delivery as well
- Most recent analysis of project implementation (based on 2012 analysis):
  - 10 years or older – over 20 percent not implemented
- Clean up existing project listings
- Additional CMAQ and STP-MM funds available for FY2014 and FY2015 implementation
COMPREHENSIVE PARTNERSHIP: COMBINE EFFORTS

- Flexible CMAQ funds
- CMAQ freed up by flexible CMAQ
- Remove environmental speed limits
- Implement congestion management process, including reliability and incident management
- Quick implementation of projects in FY2014
- TDC transfer to TxDOT to receive $5 million revolver for RTC initiatives
ACTION REQUESTED

- Approve projects in RTC/TxDOT Partnership: Flexible CMAQ Funds, Environmental Speed Limits, Reliability, Incident Management, Congestion Management, and Air Quality
- Administratively amend TIP/STIP to include projects in reference item
- The Surface Transportation Technical Committee recommended RTC approval of the actions noted above in February 2014