2014 CONGESTION MITIGATION AND AIR QUALITY (CMAQ) - PROJECT COMPETITION BY TDOT

ETC Meeting February 6, 2014
Application Overview

- TDOT announced the request for 2014 CMAQ project proposals on January 17, 2014
- TN Jurisdictions\Agencies were notified by MPO on January 21, 2014
- Total of 6 signal improvement applications received:
  - 4 City of Memphis
  - 2 Shelby County (Shelby County Congestion Management Program)
- Total CMAQ Funding Request: $10,687,000
  - FY 2014: $4,887,000
  - FY 2015: $915,000
  - FY 2016: $4,885,000
- MPO Staff is reviewing the applications and will host a workshop for ETC members
- TDOT will announce projects selected for funding in April 2014
2014 Strategic Air Quality Initiatives

- TDOT will hold separate competitions for project proposals. Grant information for these initiatives will be posted on TDOT’s website at www.tdot.state.tn.us/cmaq as it becomes available.

<table>
<thead>
<tr>
<th>2014 Strategic Air Quality Initiatives</th>
<th>Funding Set Aside</th>
</tr>
</thead>
<tbody>
<tr>
<td>Park and Ride Lots</td>
<td>$ 4 Million</td>
</tr>
<tr>
<td>New or Expanded Transit Service</td>
<td>$ 6 Million</td>
</tr>
<tr>
<td>Cleaner Transit Buses</td>
<td>$ 6.6 Million</td>
</tr>
<tr>
<td>Tennessee Commute Options</td>
<td>$ 3 Million</td>
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<tr>
<td>Transportation Systems Management &amp; Operations (TSM&amp;O) Pilot</td>
<td>$ 2 Million</td>
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<tr>
<td>PM 2.5 Strategies (MAP-21 set aside):</td>
<td>$ 8.28 Million</td>
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<tr>
<td>Cleaner Diesel Technology Rebates</td>
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<tr>
<td>Clean Road Construction Pilot Project</td>
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</tbody>
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Project Descriptions

- **Isolated Signal Improvements (Year 1):** The purpose of this project is to reconstruct a total of 6 existing traffic signals at various locations throughout the City of Memphis. This is an existing project where additional funding is needed to complete the work on the selected intersections.

- **Isolated Signal Improvements (Year 2):** The purpose of this project is to reconstruct a total of 8 existing traffic signals at various locations throughout the City of Memphis. This is an existing project where additional funding is needed to complete the work on the selected intersections.

- **Traffic Signal Loop Replacement:** The purpose of the project is to repair existing traffic signal failures by replacing faulty signal loop detectors at various intersections throughout the City of Memphis. This is an existing project where additional funding is needed to repair faulty traffic signal loops at additional locations.

- **Traffic Signal Equipment Replacement:** The purpose of the project is to replace old fiber optic wiring and traffic signal cabinet equipment along the Walnut Grove Corridor within the City of Memphis. This is an existing project where additional funding is needed to complete the work on the selected corridor.

- **Shelby County Congestion Management Program – Additional Signal Timing:** The purpose of this project is continuation of the signal timing work that is currently being accomplished under the existing SCCMP for funding to be obligated in FY 2014.

- **Shelby County Congestion Management Program:** This proposal is for a continuation of the program previously funded for FY 2011 through FY 2014 to provide additional funding for signal timing improvements.
# CMAQ Project Proposals Summary

<table>
<thead>
<tr>
<th>Lead Agency</th>
<th>Project Name</th>
<th>Project Type</th>
<th>Project Phase</th>
<th>Year 1 Proposed Funding (2014)</th>
<th>Year 2 Proposed Funding (2015)</th>
<th>Year 3 Proposed Funding (2016)</th>
<th>Total CMAQ Fund Requested</th>
<th>Total Project Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Memphis</td>
<td>Isolated Signal Imp. (Year 1)</td>
<td>Traffic Signal</td>
<td>PE-D, Const. &amp; CEI</td>
<td>$1,530,000</td>
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<td>$1,530,000</td>
<td>$1,530,000</td>
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<tr>
<td>Memphis</td>
<td>Isolated Signal Imp. (Year 2)</td>
<td>Traffic Signal</td>
<td>PE-D, Const. &amp; CEI</td>
<td>$1,217,000</td>
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<td>$1,217,000</td>
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<tr>
<td>Memphis</td>
<td>Traffic Signal Loop Replace</td>
<td>Traffic Signal</td>
<td>PE-D, Const. &amp; CEI</td>
<td>$970,000</td>
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<tr>
<td>Memphis</td>
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<td>Traffic Signal</td>
<td>PE-D, Const. &amp; CEI</td>
<td>$610,000</td>
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<td>$610,000</td>
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<tr>
<td>Shelby County</td>
<td>Congestion Management Program – Additional Signal Timing</td>
<td>Signal Timing</td>
<td>PE-N &amp; Const.</td>
<td>$560,000</td>
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<td>$560,000</td>
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<tr>
<td>Shelby County</td>
<td>Congestion Management Program</td>
<td>Traffic Signal</td>
<td>PE-N, PE-D &amp; Const.</td>
<td>$915,000</td>
<td>$4,885,000</td>
<td>$5,800,000</td>
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<td><strong>Total</strong></td>
<td></td>
<td></td>
<td></td>
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2014 CMAQ Project Application Timeline

- CMAQ Applications Due: **February 4th, 2014**
- ETC Workshop: **February 13th, 2014**
  - At MATA Central Station - 1:30 PM to 3:30 PM
- TPB Meeting to Approve the Project List: **February 20th, 2014**
- Submit Pre-Application Survey: **March 7th, 2014**
- Submit CMAQ Application to TDOT: **March 7th, 2014**
- Deadline to Submit Applications to TDOT: **March 14th, 2014**
- Statewide Meeting to Discuss Proposals: **Late March 2014**
- Announcement of Selected Projects: **April 2014**
2014 CMAQ Project Selection Criteria

*Maximum Total Score: 100 Points*

1. Air Quality Analysis and Emission Reduction Estimates (0 – 25 Points)
2. Cost Effectiveness of Project Emissions Reductions (0 – 15 Points)
3. Innovative Project Proposals (0 – 15 Points)
4. Project Impacts on Diversity and Comprehensiveness of Regional Initiatives (0 – 10 Points)
5. Projects Benefits for Multimodal Infrastructure in Region (0 – 10 Points)
6. Project Delivery Plan (Schedule, Milestones, Major Tasks) and Management Plan (0 – 25 Points)
Next Steps & Project Implementation

• Project sponsors will work with the MPO to include the projects into the FY 2014-17 TIP
• Multi-year contracts can only be obligated one year at a time
  • Subsequent years of funding are dependent on project making reasonable progress in the first year of the project
• No project scope changes without TDOT and MPO Approval
• The CMAQ fund will revert to the state, if the sponsor decides to cancel the project
• Cost overruns are the responsibility of the project sponsor
• Funds not obligated within two years of contract date may revert back to the state
• Project sponsors must incur expenses and begin billing TDOT within one year of project obligation
• Must submit quarterly reports to the MPO
MEMPHIS URBAN AREA MPO
REGIONAL
INTELLIGENT TRANSPORTATION SYSTEM
ARCHITECTURE UPDATE

ETC Meeting February 6, 2014
Project Overview

• Update of the 2010 Memphis Urban Area Regional ITS Architecture and Deployment Plan

• Provides a long range plan for the deployment, integration, and operation of ITS in the Region

• Relies extensively on stakeholder input through workshops and interviews

• Required by the FHWA and FTA in order to use federal transportation funds on ITS projects in the Region
Scope and Schedule

Key Dates
Notice to Proceed Received: January 15, 2014
Stakeholder Kick-off Workshop: March 6, 2014
Stakeholder Overview Workshop: June 2014
Project Completion: August 31, 2014
Stakeholder Involvement

2. Stakeholder workshops will be conducted with all stakeholders in the Region

15. Stakeholder interviews will be conducted with key stakeholder groups in the Region

Over 100 Agency representatives will be invited to participate
- Federal, state, regional, county, and municipal agencies
- Traffic, transit, public safety, emergency management, and rail representatives
Project Deliverables

- Regional ITS Architecture and Deployment Plan Report that meets USDOT requirements
- Executive summary brochure
- Turbo Architecture database
- Updated MPO Regional ITS Architecture website

MPO ITS Architecture Website:
http://memphismpo.org/plans/safety-mobility/its
Benefits to the Region

- Provides a vision for deployment and operation of ITS in the Region
- Promotes and encourages increased interoperability of systems
- Encourages use of standards and shared resources to maximize return on investments
- Meets USDOT requirement that ITS projects funded with federal transportation funding conform to their Regional ITS Architecture appropriate standards
Thank You!