2019 Project/Program Submissions

CMAQ Public Meeting | May 1, 2019
Tonight's Agenda

Welcome

Presentation

Open House

Be sure to pick your proposals!
Alamo Area MPO Study Area

2.1 million residents

10,600 lane miles

58 million miles traveled daily

www.alamoareampa.org
A regional, multi-modal transportation planning agency created by federal law to:

- provide a forum for **project selection** by local officials
- **set policy** and guide the transportation planning process
- develop a **multi-modal, 25-year Metropolitan Transportation Plan (MTP)**
- develop a **multi-modal, four-year Transportation Improvement Program (TIP)**
AAMPO Committees

Transportation Policy Board
- 21 voting members
- Generally meet on the 4th Monday

Executive Committee
- 9 members
- Meet as Needed

Technical Advisory Committee (TAC)
- 19 voting members
- Generally meet on the 1st Friday

Bicycle Mobility Advisory Committee (BMAC)
- 22 voting members
- Generally meet on the 2nd Wednesday

Pedestrian Mobility Advisory Committee (PMAC)
- 17 voting members
- Generally meet on the 3rd Wednesday

Subcommittees:
- Land Use & Regional Thoroughfare Subcommittee
- Freight, Rail & Transit Subcommittee
- Traffic Incident Management Subcommittee
- Public Information Officers Meeting

www.alamoareampo.org
MPO Funding Categories

- MPO has discretion over three categories of federal funds:

**Surface Transportation Block Grant (STBG):**
- Improve roadway operations
- Add roadway capacity
- Improve public transportation
- Construct bike and/or pedestrian facilities
- Improve safety

**Transportation Alternatives (TA):**
- Improve safety and mobility for people bicycling and walking

**Congestion Mitigation & Air Quality Improvement (CMAQ):**
- Shown to generate a emission reductions directly (i.e. replacing heavy-duty vehicles) or indirectly (i.e. improves roadway operations)
What is CMAQ?

- Federally reimbursable funding program
- Supports transportation projects that generate emissions reductions
- Targets areas that aren’t meeting national air quality standards for ozone, carbon monoxide and/or particulate matter
2018 Nonattainment Designation

- **Bexar County** has violated the National Ambient Air Quality Standards and was designated marginal nonattainment for ozone.

- Other counties in the San Antonio-New Braunfels MSA were designated attainment/unclassifiable.
$60 million is estimated to go to our region over Fiscal Years 2020, 2021 and 2022 (contingent upon federal funding)

Funding is expected to cease the fiscal year after air quality standards are met.
CMAQ Funding

• Funds are allocated by a formula based on population and severity of air quality exceedance

• Dallas/Fort Worth, Houston and El Paso already receive CMAQ funding
Examples of Eligible Projects

- Projects that add or reduce roadway capacity were not eligible

- Traffic flow improvements (turn lanes, ITS, signal retiming)
- Freight and intermodal (grade separation)
- Transit improvements
- Bicycle and pedestrian facilities
Examples of Eligible Programs

- Idle reduction
- Parking program
- Programs that encourage transit ridership
- Bicycle and pedestrian programs
- Travel demand management
- Public education and outreach activities
- Carpooling and vanpooling
- Carsharing
- Training
- Inspection and maintenance programs
- Alternative fuels and vehicles
Our selection process considers:

- Technical Score
- Project Readiness
- **Priority** of implementing entity
- Public Input
<table>
<thead>
<tr>
<th>Scoring Criteria</th>
<th>% for Project</th>
<th>% for Program</th>
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<tbody>
<tr>
<td>Reduction in emissions ($NO_x$ and VOC)</td>
<td>50%</td>
<td>50%</td>
</tr>
<tr>
<td>Cost Effectiveness ($/(\text{ton of NO}_x\text{ and VOC reduced over project life})$)</td>
<td>20%</td>
<td>20%</td>
</tr>
<tr>
<td>Congested corridor project</td>
<td>10%</td>
<td>n/a</td>
</tr>
<tr>
<td>(Congestion Management Process corridor in need of improvement)</td>
<td></td>
<td></td>
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<tr>
<td>Overmatch at 30% or higher</td>
<td>10%</td>
<td>10%</td>
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<tr>
<td>Multiagency partnerships or multimodal projects/programs</td>
<td>10%</td>
<td>20%</td>
</tr>
</tbody>
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Overview of Proposals

• Submissions were due April 1, 2019

• 28 proposals were submitted totaling over $166 million in requested funding
  – City of Leon Valley (1 submission)
  – City of San Antonio (12 submissions)
  – The University of Texas at San Antonio (2 submissions)
  – Texas Department of Transportation – San Antonio District (8 submissions)
  – VIA Metropolitan Transit (5 submissions)
<table>
<thead>
<tr>
<th>Project/Program</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>9) Rittiman Road Overpass</td>
<td>$30,000,000</td>
</tr>
<tr>
<td>24) VIA Fleet Replacement Program</td>
<td>$29,750,000</td>
</tr>
<tr>
<td>11) TxDOT Intelligent Transportation Systems</td>
<td>$14,574,622</td>
</tr>
<tr>
<td>12) SH 16-Helotes</td>
<td>$13,156,411</td>
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<tr>
<td>14) US 281 at Jones Maltsberger Rd and Basse Rd</td>
<td>$11,536,411</td>
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<tr>
<td>25) VIA Bus Frequency Program</td>
<td>$9,975,000</td>
</tr>
<tr>
<td>13) IH-37 at SE Military</td>
<td>$8,880,000</td>
</tr>
<tr>
<td>7) Five Palms</td>
<td>$7,000,000</td>
</tr>
<tr>
<td>3) Medical Center Green Street: Hamilton Wolfe &amp; Ewing Halsell</td>
<td>$6,000,000</td>
</tr>
<tr>
<td>4) City of San Antonio Traffic Signal Optimization</td>
<td>$5,000,000</td>
</tr>
<tr>
<td>8) Lockhill-Selma</td>
<td>$5,000,000</td>
</tr>
<tr>
<td>23) Highway Emergency Response Operation</td>
<td>$4,950,000</td>
</tr>
<tr>
<td>27) VIA Mobility On Demand Program</td>
<td>$3,500,000</td>
</tr>
<tr>
<td>10) UTSA Brackenridge Ave. Congestion Improvements</td>
<td>$2,264,765</td>
</tr>
<tr>
<td>26) VIA Vanpool Expansion Program</td>
<td>$2,187,500</td>
</tr>
<tr>
<td>5) City of San Antonio ITS Upgrades</td>
<td>$2,000,000</td>
</tr>
<tr>
<td>6) Abe Lincoln</td>
<td>$1,500,000</td>
</tr>
<tr>
<td>18) City of San Antonio Bicycle Master Plan Update</td>
<td>$1,500,000</td>
</tr>
<tr>
<td>16) Bexar County ParknPool</td>
<td>$1,309,781</td>
</tr>
<tr>
<td>15) IH-410 at Southcross</td>
<td>$1,236,639</td>
</tr>
<tr>
<td>2) Northwest San Antonio Turn Lane Improvements Package</td>
<td>$1,200,000</td>
</tr>
<tr>
<td>28) VIA Works Small Business Program</td>
<td>$875,000</td>
</tr>
<tr>
<td>17) City of San Antonio Transportation Demand Management</td>
<td>$802,942</td>
</tr>
<tr>
<td>1) Leon Valley Natural Area Trail</td>
<td>$750,000</td>
</tr>
<tr>
<td>19) City of San Antonio Vehicle Emissions Reductions Outreach &amp;…</td>
<td>$450,000</td>
</tr>
<tr>
<td>21) Make UTSA Walkable</td>
<td>$339,125</td>
</tr>
<tr>
<td>20) SAPD Traffic Flow Improvement Program</td>
<td>$278,000</td>
</tr>
<tr>
<td>22) TxDOT Traffic Incident Management</td>
<td>$75,000</td>
</tr>
</tbody>
</table>

Projects/Programs by Cost: $5,000,000 to $35,000,000
Projects/Programs by VOC Reductions

19) City of San Antonio Vehicle Emissions Reductions Outreach &... 820.94
   11) TxDOT Intelligent Transportation Systems (ITS) 97.01
   5) City of San Antonio ITS Upgrades 56.89
   4) City of San Antonio Traffic Signal Optimization 46.85
   24) VIA Fleet Replacement Program 37.07
   25) VIA Bus Frequency Program 24.37
   12) SH 16-Helotes 13.50

17) City of San Antonio Transportation Demand Management 9.28
   13) IH-37 at SE Military 5.88
   14) US 281 at Jones Maltsberger Rd and Basse Rd 3.28
   26) VIA Vanpool Expansion Program 3.06
   15) IH-410 at Southcross 1.21
   27) VIA Mobility On Demand Program 1.05
   20) SAPD Traffic Flow Improvement Program 0.93
   22) TxDOT Traffic Incident Management 0.93
   10) UTSA Brackenridge Ave. Congestion Improvements 0.79
   21) Make UTSA Walkable 0.71
   28) VIA Works Small Business Program 0.66
   23) Highway Emergency Response Operation 0.56
   9) Rittiman Road Overpass 0.46
   16) Bexar County ParknPool 0.42
   2) Northwest San Antonio Turn Lane Improvements Package 0.27
   3) Medical Center Green Street: Hamilton Wolfe & Ewing Halsell 0.25
   6) Abe Lincoln 0.09
   1) Leon Valley Natural Area Trail 0.03
   7) Five Palms 0.02
   8) Lockhill-Selma 0.02

18) City of San Antonio Bicycle Master Plan Update 0.00
Projects/Programs by Technical Score

1) Leon Valley Natural Area Trail
2) Northwest San Antonio Turn Lane Improvements Package
3) Medical Center Green Street: Hamilton Wolfe & Ewing Halsell
4) City of San Antonio Traffic Signal Optimization
5) City of San Antonio ITS Upgrades
6) Abe Lincoln
7) Five Palms
8) Lockhill-Selma
9) Rittiman Road Overpass
10) UTSA Brackenridge Ave. Congestion Improvements
11) TxDOT Intelligent Transportation Systems (ITS)
12) SH 16-Helotes
13) IH-37 at SE Military
14) US 281 at Jones Maltsberger Rd and Basse Rd
15) IH-410 at Southcross
16) Bexar County ParknPool
17) City of San Antonio Transportation Demand Management
18) City of San Antonio Bicycle Master Plan Update
19) City of San Antonio Vehicle Emissions Reductions Outreach &…
20) SAPD Traffic Flow Improvement Program
21) Make UTSA Walkable
22) TxDOT Traffic Incident Management
23) Highway Emergency Response Operation
24) VIA Fleet Replacement Program
25) VIA Bus Frequency Program
26) VIA Vanpool Expansion Program
27) VIA Mobility On Demand Program
28) VIA Works Small Business Program

Projects/Programs by Technical Score

- 4) City of San Antonio Traffic Signal Optimization: 900
- 11) TxDOT Intelligent Transportation Systems (ITS): 800
- 5) City of San Antonio ITS Upgrades: 800
- 25) VIA Bus Frequency Program: 750
- 17) City of San Antonio Transportation Demand Management: 750
- 24) VIA Fleet Replacement Program: 750
- 26) VIA Vanpool Expansion Program: 750
- 12) SH 16-Helotes: 700
- 19) City of San Antonio Vehicle Emissions Reductions Outreach &…: 700
- 27) VIA Mobility On Demand Program: 650
- 14) US 281 at Jones Maltsberger Rd and Basse Rd: 600
- 20) SAPD Traffic Flow Improvement Program: 600
- 22) TxDOT Traffic Incident Management: 600
- 13) IH-37 at SE Military: 550
- 15) IH-410 at Southcross: 550
- 16) Bexar County ParknPool: 550
- 21) Make UTSA Walkable: 550
- 23) Highway Emergency Response Operation: 550
- 10) UTSA Brackenridge Ave. Congestion Improvements: 500
- 1) Leon Valley Natural Area Trail: 400
- 9) Rittiman Road Overpass: 400
- 2) Northwest San Antonio Turn Lane Improvements Package: 350
- 28) VIA Works Small Business Program: 350
- 3) Medical Center Green Street: Hamilton Wolfe & Ewing Halsell: 300
- 6) Abe Lincoln: 300
- 7) Five Palms: 275
- 8) Lockhill-Selma: 275
- 18) City of San Antonio Bicycle Master Plan Update: 200
## Top Corridors for NOx, VOC, and Technical Score

<table>
<thead>
<tr>
<th>Top 5 by Category</th>
<th>NOx Reductions</th>
<th>VOC Reductions</th>
<th>Technical Score</th>
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<tbody>
<tr>
<td>1</td>
<td>11) Intelligent Transportation Systems</td>
<td>19) Vehicle Emissions Reductions Outreach &amp; Education Programs</td>
<td>4) Traffic Signal Optimization</td>
</tr>
<tr>
<td>2</td>
<td>24) VIA Fleet Replacement Program</td>
<td>11) Intelligent Transportation Systems</td>
<td>11) Intelligent Transportation Systems</td>
</tr>
<tr>
<td>5</td>
<td>25) Bus Frequency Program</td>
<td>24) VIA Fleet Replacement Program</td>
<td>17) City of San Antonio Transportation Demand Management</td>
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</table>

Highlighted projects total $61,299,622
Welcome!

The Congestion Mitigation and Air Quality Program (CMAQ) is a reimbursable federal funding program focused on reducing congestion and improving air quality to help meet the requirements of the Clean Air Act. CMAQ is administered by the Alamo Area MPO through a competitive selection process and is authorized under the FAST Act (23 U.S.C. 149).

Public Input Period: April 29 - May 10
Public Input Meeting: Wednesday, May 1, 2019 - View Recipe (.pdf)

Español
Para recibir esta información en español, por favor comuníquese con Linda Vela al 210-230-6929.

1. Watch
   - Narrated presentation

2. Review
   - View Projects
   - CMAQ Development Schedule

3. Participate
   - Let your voice be heard: PICK YOUR PROJECTS using our budget game. (Budget Game)
   - through May 10 of 11:57 p.m.

Other Resources:
- CMAQ Overview Presentation (.pdf)
- CMAQ Emitters Calculation Toolkit
- Workshop Agenda for submitting entities
Regional studies and projects are not tied to a specific location and therefore not mapped. Scroll down to view more projects.

Traffic Signal Optimization
(#4)
City of San Antonio
This project will involve the collection of data and implementation of updated traffic signal timing plans along the City's top 100 corridors.
Amount Requested: $5,000,000
Technical Score: 900
View full proposal

Intelligent Transportation Systems (ITS) Upgrades (#5)
City of San Antonio
ITS improvements will be related to traffic monitoring equipment, vehicle detection devices, and automated data collection equipment.
Amount Requested: $2,000,000
Technical Score: 900
Pick your proposals

Remember:
Do not exceed $60 million
(the estimated amount of funding available)
Do consider the amount of emissions reductions
Public input is accepted through Friday, May 10, 2019 at 11:59 p.m.

or

www.alamoareampo.org
Proposal Selection Process

• The MPO’s Technical Advisory Committee (TAC) will develop an initial funding recommendation, considering:
  – Emissions reductions and technical score, project readiness, priority of implementing entity, and public input
• All submitted projects will be presented to the Transportation Policy Board
• The Transportation Policy Board will select the CMAQ funded projects for inclusion in the Transportation Improvement Program and Metropolitan Transportation Plan
## Schedule

### 2018

<table>
<thead>
<tr>
<th>October</th>
<th>November</th>
<th>December</th>
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<tbody>
<tr>
<td>Presentations to TAC and TPB</td>
<td>Presentations to TAC, Executive Committee, BMAC and PMAC</td>
<td>TAC and TPB Action on Call for Projects Schedule and Process</td>
</tr>
</tbody>
</table>

#### December
- CMAQ Call for Projects began December 12

### 2019

<table>
<thead>
<tr>
<th>February</th>
<th>March</th>
<th>April</th>
<th>May</th>
<th>June</th>
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<tbody>
<tr>
<td>Feb 21: AAMPO/ TxDOT held joint-CMAQ Workshop</td>
<td>CMAQ proposals could be submitted beginning March 22</td>
<td>Proposals were due April 1 and scored by multi-agency work group</td>
<td>May 1: Public meeting</td>
<td>TAC and TPB approval of projects and programs as TIP and MTP amendments</td>
</tr>
</tbody>
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#### April
- April 29: First day of public input (online)
- May 10: Last day of public input (online)
- Presentations to TAC and TPB

#### May
- May 1: Public meeting

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[w w w . a l a m o a r e a m p o . o r g](http://www.alamoareampo.org)
Tonight’s Agenda

Welcome

Presentation

Open House

Be sure to pick your proposals!
Contact Information

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blazosky@alamoareampo.org | 210-230-6911