



# **TRANSPORTATION & CAPITAL IMPROVEMENTS (TCI)**

**CMAQ Call for Projects**

**Transportation Committee Item 2**

**February 18, 2019**

**Art Reinhardt, P.E., C.F.M., Interim Deputy Director**





# CONGESTION MITIGATION & AIR QUALITY (CMAQ)

Bexar County eligible for CMAQ funding

- Funds available in FY 2020
- Formula allocation based on population & air quality severity

2021 Federal regulation attainment date

Funds cease once attainment is achieved





# PROJECT & PROGRAM CALL



Programs &  
Project  
Construction  
Costs

**\$20M**  
per year

**\$60M**  
FY 2020-2022

Funds  
Reimbursed



# ELIGIBLE PROJECTS



Congestion Reduction &  
Traffic Flow Improvements



Freight & Intermodal



Transit Improvements



Bicycle & Ped Facilities



# INELIGIBLE PROJECTS



## Travel Lane Addition or Reduction



## Scoring Criteria

Reductions in emissions	50%
Cost/benefit in emissions reductions	20%
Congested corridor project	10%
Overmatch at 30% or higher (20% minimum match required)	10%
Multiagency partnerships or multimodal projects	10%





# ELIGIBLE PROGRAMS

- Diesel engine retrofits & other advanced truck technologies
- Extreme low temperature cold start program
- Transportation Management Associations
- Inspection & maintenance programs
- Public education & outreach
- Alternative fuels & vehicles
- Carpooling & vanpooling
- Bicycle & ped programs
- Idle reduction
- Carsharing
- Training





## Scoring Criteria

Reductions in emissions	50%
Cost/benefit in emissions reductions	20%
Overmatch at 30% or higher (20% minimum match required)	10%
Multiagency partnerships or multimodal projects	20%



# PROPOSAL SUMMARY



	Project / Program Cost	20% Local Match
6 Projects	\$59.2 M	\$11.84 M
2 Programs	\$2.25 M	\$0.45 M
1 Overmatch	<i>\$12.8 M</i>	\$1.28M
<b>Total</b>	<b>\$61.45 M</b>	<b>\$13.57 M</b>



# PROPOSED PROJECTS & PROGRAMS



1	CoSA Transportation Demand Management (TDM) Programs	Transportation Demand Management (TDM)
2	Bicycle Master Plan Update	Bicycle & Pedestrian Programs
3	Medical Center Green Street Hamilton Wolfe/Ewing Halsell	Bicycle & Pedestrian Facilities
4	Intelligent Transportation Systems (ITS) Upgrades	Congestion Reduction & Traffic Flow Improvements
5	Traffic Signal Optimization	Congestion Reduction & Traffic Flow Improvements
6	Rittiman Rd at UPRR Crossing Overpass	Congestion Reduction & Traffic Flow Improvements
7	Binz Engleman at UPRR Crossing Overpass	Congestion Reduction & Traffic Flow Improvements
8	Westover Hills/Military Dr Turn Lanes	Congestion Reduction & Traffic Flow Improvements
9	US 281 at Basse Rd/US 281 at Jones-Maltsberger (TxDOT)	Congestion Reduction & Traffic Flow Improvements



## Transportation Demand Management



Support vanpool,  
carpool, telecommuting  
& commuter education





## Bicycle Master Plan



**\$1.5M**

Citywide

2011 is most recent adoption

Feasibility evaluation of proposed facilities is needed to guide funding and implementation

Will guide strategy for future bicycle connections



# BICYCLE & PEDESTRIAN FACILITY

## Medical Center Green Street



**\$6M**

Council District 8

Build 2<sup>nd</sup> cycle track in Medical Center

Key connection in bicycle & trail networks

Accommodate modes other than vehicles on a separated facility



## Intelligent Transportation Systems Upgrades



**\$2M**  
Citywide

Traffic monitoring equipment, vehicle detection devices & automated data collection equipment

Improve operations

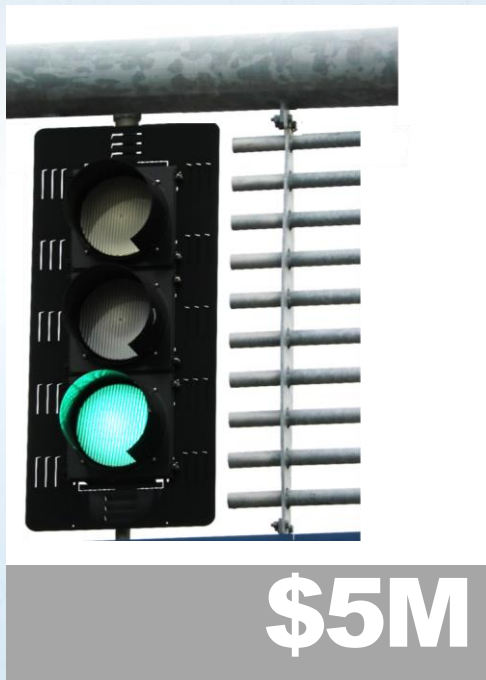
Reduce delays and emissions

Improve collection of Automated Traffic Signal Performance Measures





## Citywide Traffic Signal Optimization



Top 100 Corridors

Data collection & implement updated traffic signal timing plans

Can reduce stops, travel time & emissions

Very high benefit to cost ratios





# CONGESTION REDUCTION & TRAFFIC FLOW IMPROVEMENT

## Rittiman Rd at UPRR Crossing Overpass



**\$30M**

Council District 2

Busiest Crossing in San Antonio

Trains block crossing for long durations

Construct grade separated roadway overpass



## Binz Engleman at UPRR Crossing Overpass



**\$15M**

Council District 2

Adjacent to IH35 & San Antonio Military Medical Center

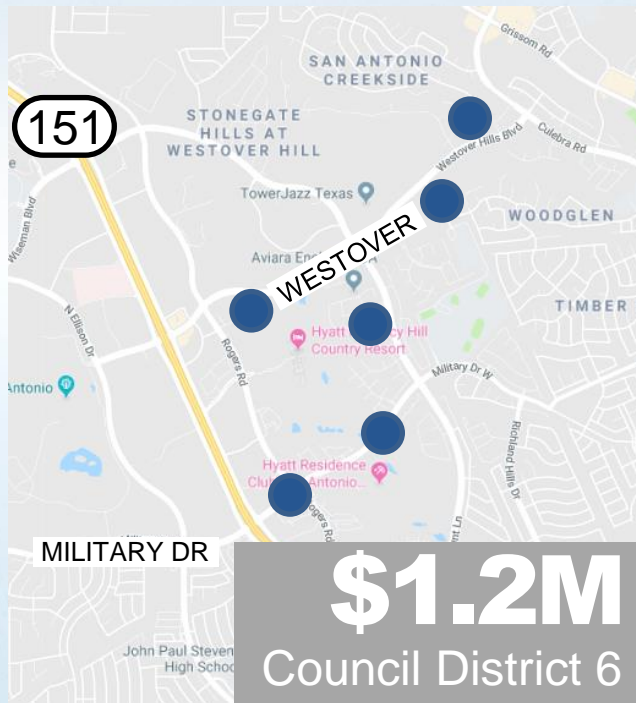
Railroad is direct line from north of San Antonio to Mexico

Eliminate blocked crossing at Petroleum/Holbrook during crew changes





## Westover Hills Blvd / Military Dr Turn Lanes



6 locations identified

Requested by community in 2016

Proposed but not funded in  
FY 2019 Budget



# CONGESTION REDUCTION & TRAFFIC FLOW IMPROVEMENT

Council District 1

**\$12.8M**

## US 281 at Basse Rd



## US 281 at Jones-Maltsberger



## TxDOT Projects

10% overmatch proposed to help ensure project selection

[!\[\]\(c50c8b7b2cc2cf9ff925edec0ee94c0d\_img.jpg\) TxDOT US 281 at Basse Road and Jones Maltsberger Road](#)





# TIMELINE

March  
2019

Council A  
Session

April  
2019

Project  
Submission

July  
2019

Project Award  
Notification



CITY OF SAN ANTONIO  
**TRANSPORTATION & CAPITAL IMPROVEMENTS**

THROUGH INNOVATION AND DEDICATION, WE BUILD AND MAINTAIN  
**SAN ANTONIO'S INFRASTRUCTURE**

**Art Reinhardt, P.E., C.F.M.**  
**Interim Deputy Director**



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INTEGRITY ♦ TEAMWORK ♦ INNOVATION ♦ PROFESSIONALISM



# PROPOSED PROJECTS & PROGRAMS



		Construction Cost Estimate	20% Local Match
<b>1</b>	CoSA Transportation Demand Management (TDM) Programs	\$0.75M	\$0.15
<b>2</b>	Bicycle Master Plan Update	\$1.5M	\$0.3M
<b>3</b>	Medical Center Green Street Hamilton Wolfe/Ewing Halsell	\$6M	\$1.2M
<b>4</b>	Intelligent Transportation Systems (ITS) Upgrades	\$2M	\$0.4M
<b>5</b>	Traffic Signal Optimization	\$5M	\$1M
<b>6</b>	Rittiman Rd at UPRR Crossing Overpass	\$30M	\$6M
<b>7</b>	Binz Engleman at UPRR Crossing Overpass	\$15M	\$3M
<b>8</b>	Westover Hills/Military Dr Turn Lanes	\$1.2M	0.24M
<b>9</b>	US 281 at Basse Rd / US 281 at Jones-Maltsberger (TxDOT*)	\$12.8M	\$1.28M
*10% overmatch proposed to help ensure project selection Project Cost not included in Total, 20% Local Match included in Total		<b>\$61.45M</b>	<b>\$13.57M</b>