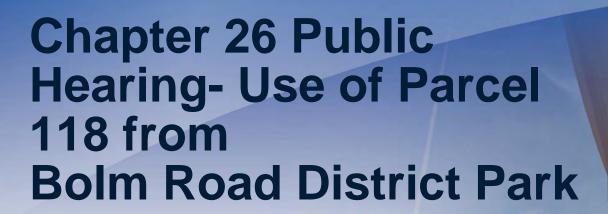


## CENTRAL TEXAS Regional Mobility Authority





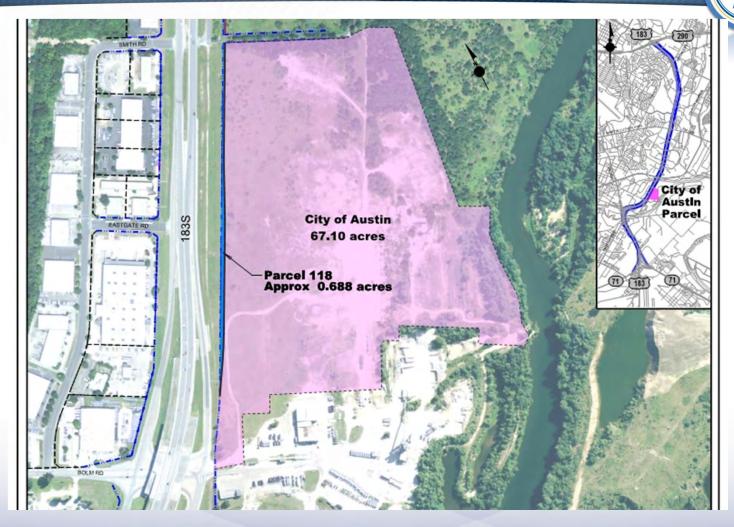
Agenda Item #3

Justin Word, P.E.

Director of Project Management

**November 24, 2015** 

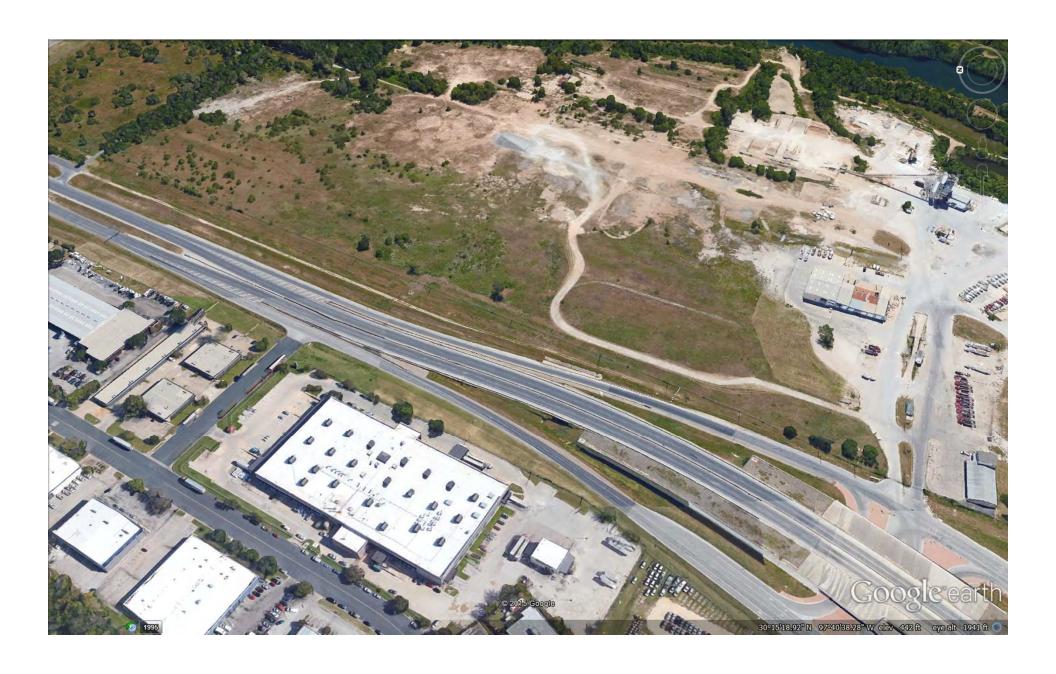


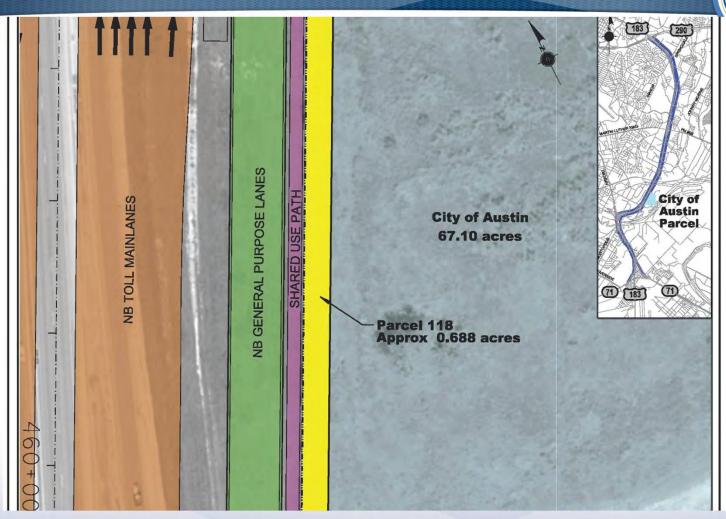


#### **Bolm Road District Park Boundaries**

Parcel 118 for use by 183 South Project is shown on the left.







Relationship of existing 183 South ROW line, proposed (general) location of shared use path, and Parcel 118 needed for use by the 183 South Project

# Recommendation for action



CENTRAL TEXAS
Regional Mobility Authority

#### Recommendation for Board Action



- Open public hearing.
- Consider any public preferences expressed at the public hearing.
- Close public hearing.
- If a majority of the Board determines that:
  - There is no feasible and prudent alternative to the Proposed Use of the Affected Land, and
  - The Proposed Use includes all reasonable planning to minimize harm to the Affected Land resulting from the Proposed Use; <u>then</u>:
- Adopt the draft resolution provided in the agenda backup material.



Agenda Item #6

Dee Anne Heath
Director of External Affairs

**November 24, 2015** 



Regional Mobility Authority

## Communications & Marketing Consulting Services Procurement



- Firm will provide communication and marketing services in support of the agency's projects & overall program
- Scope of Services includes:

increasing brand awareness

public information

media relations

community outreach
agency collateral materials
public opinion research

### **Procurement Timeline**





Selection

November 24, 2015

**Shortlist** 

November 9, 2015

**RFP** 

October 7, 2015

CENTRAL TEXAS
Regional Mobility Authority

### RFP Response



- We evaluated seven responses:
  - Crosswind Communications
  - Edelman
  - EnviroMedia
  - Images, Inc
  - The Monument Group
  - Taylor Collective
  - Zellmer McConnell

CENTRAL TEXAS

Regional Mobility Authority

#### RFP Response: Evaluation Criteria



- A. Firm Qualifications
- **B. Demonstration of Previous Creative Capabilities**
- C. Successful Management of Similar Contracts and Projects
- D. Local Knowledge and Experience
- E. Organization and Staffing
- F. Proposed Approach to Increasing Awareness
- G. Diverse Workforce with Emphasis on HUB/DBE Involvment
- H. Budget Allocation and Rates

#### Shortlist for Interviews



- Five firms were shortlisted for interviews:
  - Crosswind Communications
  - Edelman
  - EnviroMedia
  - The Monument Group
  - Zellmer McConnell

#### Shortlist Interview: Evaluation Criteria



- A. Firm Qualifications
- **B. Demonstration of Previous Creative Capabilities**
- C. Successful Management of Similar Contracts and Projects
- D. Local Knowledge and Experience
- E. Organization and Staffing
- F. Proposed Approach to Increasing Awareness
- G. Diverse Workforce with Emphasis on HUB/DBE Involvment
- H. Budget Allocation and Rates

### Recommendation



## **EDELMAN**

CENTRAL TEXAS

Regional Mobility Authority



Agenda Item #8

Bill Chapman
Chief Financial Officer

**November 24, 2015** 



## Financial Report









CENTRAL TEXAS

Regional Mobility Authority



Agenda Item #9

Ginger Goodin

November 24, 2015



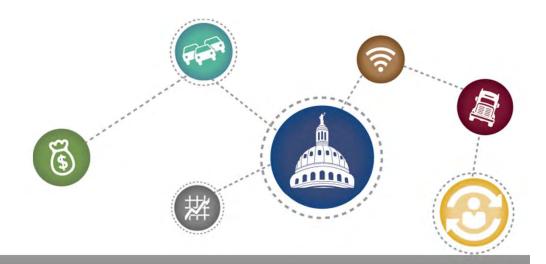
### Automated and Connected Vehicles:

### How will Future Vehicle Technologies Change our Transportation Infrastructure?

Ginger Goodin, P.E.

Texas A&M Transportation Institute

CTRMA Board of Directors November 24, 2015



TRANSPORTATION

Policy Research center

## Future Vehicle Technologies Why should we care?

- The Challenges Ahead
  - Safety
  - Mobility
  - Environment
  - Funding sustainability
- Private sector investment in R&D
- Consumer interest (?)





## New Technology Opportunities for Roads

Basic **intelligent transportation systems** (ITS) have been developing gradually for 25 years

Electronic implementations of traditional functions,
 separately on vehicles and infrastructure

**Automation** overcomes driver limitations

**Connectivity** integrates vehicles and roadway infrastructure into a transportation system



## Terminology

Automated Vehicles

Development

Testing

OEMs and Auto Industry Suppliers Technology Companies

Connected Vehicles

Development

**Testing** 

USDOT, through Industry and State/Local Agencies ("Connected Car" Internet Functionality)

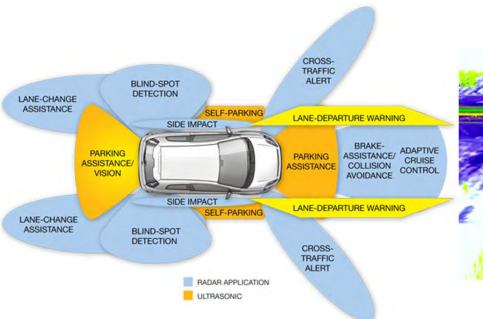
"Connected Automation"



## Automated Vehicle Technology

Sensor Array on Vehicles

High Resolution Mapping



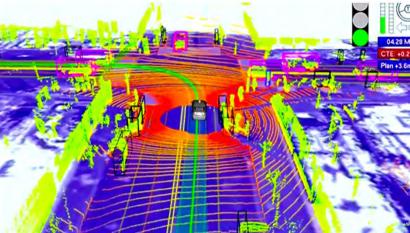
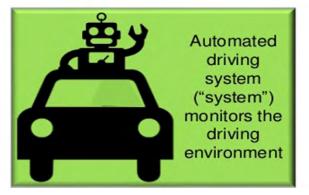


Figure 2 Several driver-assistance systems are currently using radar technology to provide blind-spot detection, parking assistance, collision avoidance, and other driver aids (courtesy Analog Devices).



### Society of Automotive Engineers (SAE) Levels of Automation





SAE level	Name	Execution of Steering and Acceleration/ Deceleration	Monitoring of Driving Environment	Fallback Performance of <i>Dynamic</i> <i>Driving Task</i>	System Capability (Driving Modes)
0	No Automation	Human driver	Human driver	Human driver	n/a
1	Driver Assistance	Human driver and system	Human driver	Human driver	Some driving modes
2	Partial Automation	System	Human driver	Human driver	Some driving modes
3	Conditional Automation	System	System	Human driver	Some driving modes
4	High Automation	System	System	System	Some driving modes
5	Full Automation	System	System	System	All driving modes

Source: Ricardo

## Connected Vehicle Technology USDOT Connected Vehicle Program

#### Safe, Interoperable Wireless Communications

- Vehicle-to-Vehicle (V2V)
- Vehicle-to-Infrastructure (V2I)
- Vehicle-to-Other (V2X)
- Safety Applications
  - Crash avoidance
- Dynamic Mobility Applications
  - Traffic signal control
  - Flow optimization
- Environment
- Road Weather Research







## The Path Forward: Revolutionary or Evolutionary?

Automated Vehicles

Development

Testing

OEMs and Auto Industry Suppliers Technology Companies

Connected Vehicles

Development

Testing

USDOT, through Industry and State/Local Agencies

"Connected Automation"



### Infrastructure Implications

#### Automation

- Adaptive strategies?
- Transformational changes?

### Connectivity

- Roadside units
- Backhaul communications
- Data processing/data storage
- Traffic management systems
- Data safeguards
- ?





## Transitional Deployment Approaches



#### 5-10 years

Controlled environments

Moderate level of automated driving

Low to medium speeds

10-20 years

Less restricted environments

Higher level of automated driving

Medium to high speeds

Beyond 20 years

Large, connected networks with multiple mobility scenarios

Customizable AVs

Adapted from *Deploying Autonomous Vehicles: Commercial Considerations* and *Urban Mobility Scenarios*. ey.com/automotive



#### Where We Are Now

- Research technological, socioeconomic, behavioral, institutional and policy
- Local proof-of-concept deployments solving local problems
- New public-private collaborations



## What Transportation Agencies Can Do

- Review policies that could impact implementation
- Designate an individual to coordinate involvement
- Seek pilot or proof-of-concept opportunities
- Identify future workforce needs
- Consider new partnership arrangements

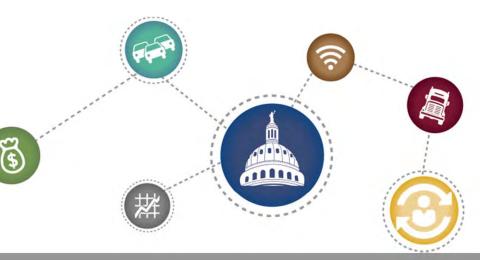


## **Questions?**

Ginger Goodin g-goodin@tamu.edu

Revolutionizing Our Roadways
Policy Series

tti.tamu.edu/policy/technology



TRANSPORTATION

Policy Research center





Agenda Item #10-A

November 24, 2015







# CAMPO AND CTRMA: PARTNERSHIP AND OPPORTUNITY

Ashby Johnson Executive Director 512-974-2275



# CAMPE



# **CAMPO REGION**

- Six Counties
- 1.9 Million People
- 4<sup>th</sup> Largest MPO in Texas, 11th Largest in the Nation
- In the Top 5 of Fastest
   Growth



# MPO PURPOSE

- Transportation Policy Board Allocates State & Federal Funding for the Region
- Produces a Unified Planning Work Program
- Produces a 20-year fiscally constrained longrange transportation plan
- Produces a 4-year Transportation Improvement Program



# HOW ARE MPOS CODIFIED IN FEDERAL LAW?

- Federal Transportation Statutes
  - USC Title 23 (Highways)
  - USC Title 49 (Transportation)
- USDOT Administrative Regulations
  - CFR Title 23 (Highways)
  - CFR Title 49 (Transportation



## HOW ARE MPOS CODIFIED IN STATE LAW?

- Texas Statutes
  - Transportation Code
  - Local Government Code
- Texas Administrative Code
  - Title 7, Land Use, Structures, and Businesses
  - Title 43, Transportation



#### WHO RUNS CAMPO?

- Transportation Policy Board 20 Voting Members
- MPO Staff Administrative & Planning Functions
- Technical Advisory Committee
  - Serves as Technical Review for Policy Board and Makes Recommendations
  - Does NOT Review Policy Issues

# CAMP

# WHAT IS THE CAMPO/CTRMA RELATIONSHIP?

- <u>ALL</u> Planning Studies Must be in UPWP
- ALL Regionally Significant Projects Must be in the Plan & TIP
- Demonstration of Regional Fiscal Constraint includes CTRMA Revenue Estimates
- State & Federal Transportation Dollars Allocated by CAMPO Policy Board

# Policy Board Members

- Will Conley, Hays
- Clara Beckett, Bastrop
- Steve Adler, Austin
- Joe Bain, Travis
- Jeff Coleman, Pflugerville
- Gerald Daugherty, Travis
- Sarah Eckhardt, Travis
- Sheri Gallo, Austin
- Delia Garza, Austin
- Matt Powell, Cedar Park
- Daniel Guerrero, San Marcos

- Ann Kitchen, Austin
- Cynthia Long, Williamson
- Greg Malatek, TxDOT
- Craig Morgan, Round Rock
- Alfredo Munoz, Caldwell
- James Oakley, Burnet
- Dale Ross, Georgetown
- Brigid Shea, Travis
- Terry Mitchell, Cap Metro



#### WHAT IS THE RELATIONSHIP TO TXDOT?

- TxDOT Statewide Plan
- TxDOT Unified Transportation Program (UTP)
  - Allocates State/Federal Transportation
     Funding by Region/Program
  - 10 Year Horizon
- TxDOT Statewide Transportation Improvement Program (STIP)
  - MPOs + Rural Projects



# WHAT IS THE PLAN/TIP AMENDMENT PROCESS?

- Amendments Scheduled for February and August in Coordination with TxDOT STIP Modification Cycle
  - Tier 1 are Administrative in Nature and Require No Public Outreach
  - Tier 2 Require Board Approval and a 30-Day Public Outreach Effort





# **QUESTIONS?**





Agenda Item #10-B

Jeff Dailey
Deputy Executive Director

Geoff Petrov General Counsel

**November 24, 2015** 



# Regulatory Requirements & Roles



#### Federal Law - NEPA

 Cannot commit resources "prejudicing" selection of alternatives <u>before</u> making a final [environmental] decision

#### State Law - RMA Enabling Legislation

- Environmental review must be conducted <u>before</u> approving an alternative
- Must consider results of the environmental review

#### **Agency Roles in the Environmental Process**

- Mobility Authority
  - Approve commencement of environmental studies
  - Monitor status through staff updates
  - Attend public meetings/hearings (optional)

- TxDOT/FHWA
  - Technical reviews
  - Adherence to the environmental process
  - Environmental finding

#### Agency Roles after the Environmental Process

- Mobility Authority
  - Approve further project development for design/construction
- TxDOT/FHWA
  - Compliance oversight during design/construction

## **Environmental Process**



6 months - 1.5 years

1-2 years

**Development** 

and Screening of

**Alternatives** 

6 months - 1 year

Project Initiation and Development of Purpose and Need





183 NORTH

Draft and Final Environmental Document









OPPORTUNITY FOR PUBLIC COMMENT

Regional Mobility Authority

Legend:



**OPEN HOUSE** 



PUBLIC HEARING



Agenda Item #10-C

Dee Anne Heath
Director of External Affairs

November 24, 2015



# Open House and Virtual Open House Report

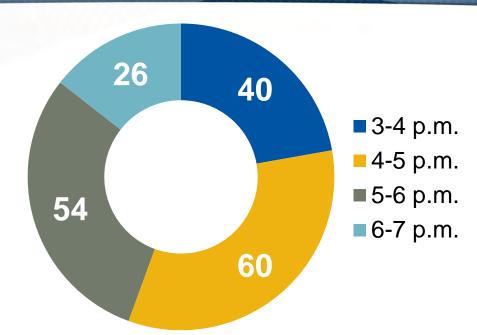




# Open House Visitation Stats - November 10, 2015



# Attendees by Hour (180 total)

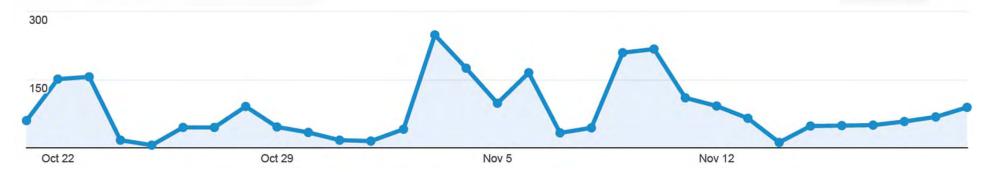


#### 39 COMMENTS AND 20 COMMUNITY SURVEYS RECEIVED



# Virtual Open House Visitation Stats

#### OCTOBER 21 – NOVEMBER 20, 2015



# 2,554 SESSIONS | SIX MINUTES PER SESSION | 9,642 PAGEVIEWS





#### 1. Welcome + Overview

- 2. What's New?
- 3. Express Lanes Alternative: Operational Configurations
- 4. Express Lanes Alternative: Loop 360 to Slaughter Lane
- 5. Downtown Traffic Impacts
- 6. Environmental Study Update
- 7. Context Sensitive Solutions
- 8. Next Steps
- 9. Community Survey
- 10. Submit an Official Comment



#### WELCOME

Welcome to the MoPac South Environmental Study Virtual Open House. Launched October 21, 2015, the information provided here, along with subject-matter experts, will be available for in-person review and comment on November 10, 2015 at the Palmer Event Center from 3 - 7 p.m. Learn more about plans for the Open House.

- 1. Welcome + Overview
- 2. What's New?
- 3. Express Lanes Alternative: Operational Configurations
- 4. Express Lanes Alternative: Loop 360 to Slaughter Lane
- 5. Downtown Traffic Impacts
- 6. Environmental Study Update
- 7. Context Sensitive Solutions
- 8. Next Steps
- 9. Community Survey
- 10. Submit an Official Comment

#### SUBMIT AN OFFICIAL COMMENT

#### JOIN THE CONVERSATION

We greatly appreciate the input that you've provided to date, and we hope you will share your additional thoughts using the form below. The official comment period for the Open House began with the launch of this Virtual Open House on October 21, 2015 and will end on November 20, 2015. All comments and questions submitted during the official comment period for the Open House will be recorded and responded to as part of the Summary Report for the meeting. All comments and questions submitted at any other time during the study will also be shared with and considered by the study team, and will become part of the official project file for the Environmental Study.

Name	
mail	
Comments *	

# **Comment Overview**



## 778 comments transcribed/counted as of 11/23

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Regional Mobility Authority

# **Next Steps**



- Analyze comments
- Develop Open House summary and comment/response report
- Narrow configuration options based on defined evaluation criteria
- Report results to community; gather feedback

# Public Hearing and Virtual Public Hearing Report





# Public Hearing Visitation Stats



# **November 12, 2015**

- 72 attendees
- 13 verbal comments
- 24 written comments



# Virtual Public Hearing Visitation Stats



183 NORTH MOBILITY PROJECT

# **Virtual Public Hearing**

- 1. Welcome + Overview
- 2. Project Location
- 3. Environmental Assessment and Environmental Considerations
- 4. Build Alternative (Express Lane Alternative)
- 5. Access Points
- 6. Other Improvements
- Bicycle and Pedestrian Accommodations
- 8. Construction Best Management Practices
- Project Funding, Schedule and Next Steps
- 10. Context Sensitive Solutions
- 11. Submit a Comment



#### ABOUT THE VIRTUAL PUBLIC HEARING

Welcome to the 183 North Virtual Public Hearing. This virtual event is designed to provide an opportunity for you to review and provide input on:

- · The results of the Draft Environmental Assessment
- The Express Lanes Alternative, the Preferred Build Alternative

The Virtual Public Hearing was launched at the conclusion of the live Public Hearing, which was held:

Thursday, November 12, 2015 Westwood High School (cafeteria) 12400 Mellow Meadow Dr., 78750

# November 12 – November 22, 2015

- 251 sessions
- 7 minutes per session
- 1,178 pageviews

# **Comment Overview**



# 364 total comments transcribed/counted as of 11/23

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Regional Mobility Authority

# **Next Steps**



- Analyze comments
- Develop Public Hearing summary and comment/response report

Regional Mobility Authority

Open House and Virtual Open House Report



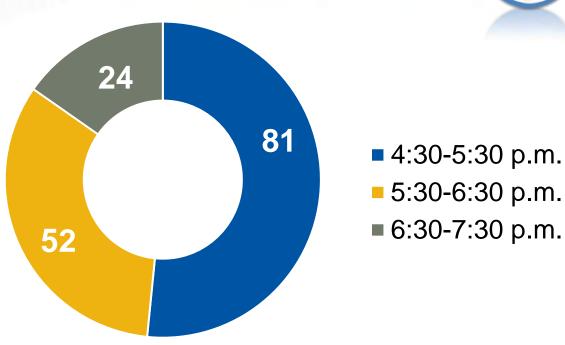
OAKHILL
PARKWAY



# Open House Visitation Stats – October 29, 2015



# Attendees by Hour (157 total)



#### 139 COMMENTS AND 99 COMMUNITY SURVEYS RECEIVED

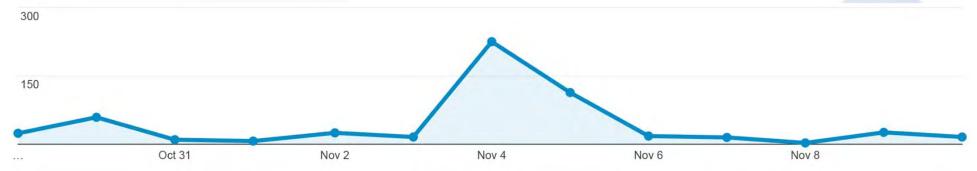




# Virtual Open House Visitation Stats

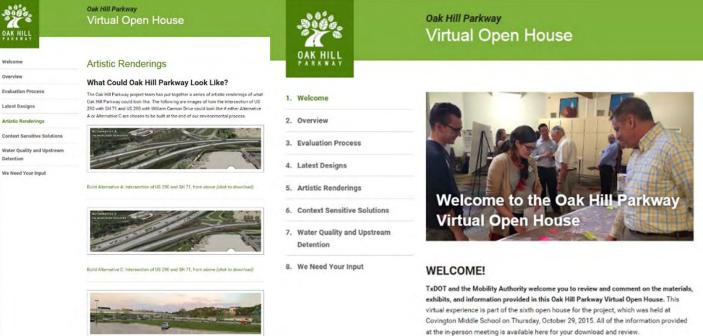


#### OCTOBER 29 – NOVEMBER 9, 2015



## 556 SESSIONS | 5 MINUTES PER SESSION | 2,190 PAGEVIEWS

We hope this Virtual Open House will enable you to explore the exhibits and submit your



Build Alternative A: Intersection of US 290 and SH 71, from ground level (click to

#### SUBMIT YOUR COMMENTS IN THE FORM BELOW

The official comment period will end on November 9, 2015. All comments submitted during an open house comment period and their responses will be published as part of the Open House Comment and Response Summary Report, released to the public via the website in the months following the open house.

Email		
Littali		
Comments*		
		Any questions placed on this form will not be if you have an open records request, it mus
		The second secon
be submitted under a sepa	avale letter.	
be autimitted under a sepa	arate letter.  Code, §201.811(a)(5)): Check each o	of the following boxes that apply to
be submitted under a separation (Texas Transportation you:	Code, §201.811(a)(5)): Check each o	of the following boxes that apply to
te submitted under a sepa (Texas Transportation you:     am employed by 7	Code. §201.811(e)(S)): Check each o	of the following boxes that apply to
(Texas Transportation you:     am employed by 7	Code. §201.811(a)(S)): Check each o	
(Texas Transportation you:     am employed by 7	Code. §201.811(e)(S)): Check each o	

# **Comment Overview**



## 136 total comments transcribed/counted as of 11/23

CENTRAL TEXAS

Regional Mobility Authority

# **Next Steps**



- Analyze comments
- Develop Open House summary and comment/response report
- Continue stakeholder outreach into 2016
- Launch phase three of the alternatives evaluation and determine a recommended preferred alternative
- Present the Draft Environmental Impact Statement and the recommended preferred alternative for public review and comment mid-2016



Agenda Item #10-D

Steve Pustelnyk

November 24, 2015





# **Purpose of the Soft Launch:**

To begin to answer all the questions Austin has about the MoPac Express Lanes—how they work, how much and how to use them.

# **Our Approach:**

To engage and inform Austin about these burning questions through a creative and clever video that reflects the spirit of Austin.



# **Curious Austin Video**



# Media

- Print
  - 4 full-color print ads in the Sunday edition of the Statesman
- Radio
  - 15 second traffic radio spots (ClearChannel, Entercomm, Emmis, KUT, KOKE-FM/The Horn)
- Digital
  - Digital Banners (Brand Exchange, KXAN, Statesman)
- Social Media
  - Facebook and Twitter ads (organic and paid ads)
- Total Budget: \$51,000



# **Week 1 Organic Tweets**

• \$25 TxTag credit promotion for correctly answering a question about the video.

Who's the local chef in our video? Correct answers win a \$25 TxTag credit.
bit.ly/1L8RTtq #curiousaustin





# Week 2 Facebook Paid Ads

- Sponsored posts with a 5-10 second clip of the video
- 2,955 website clicks
- 177,281 impressions
- 1k+ referrals to landing page from Facebook
- Approximately 100 shares





# **Facebook Ads**



#### **Mopac Improvement Project**

Sponsored (demo) · @

What happened to our sweet little town? And other burning questions answered here.



Share

CENTRAL TEXAS

Regional Mobility Authority

Comment

63 Likes 35 Comments 27 Shares

25k Views

Like



#### **Mopac Improvement Project**

Sponsored (demo) · 🚱

Austinites asked the questions that only Austinites could ask. So tell us. What's yours?





# **Week 3 Twitter Paid Ads**

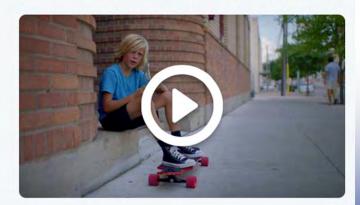
- Ads play automatically as viewers scroll through their feed
- Monitoring #curiousaustin to track engagement

Week 3 Analytics 42.2 K Impressions 5,542 Views

#### Promoted only



MoPac Project @Impro... about 1 hour ag We took to the streets and got some pretty uncommon questions? What's yours? bit.ly/1L8RTtq #curiousaustin





# **Week 4 Boosted Posts**

- Facebook boosted post M-W-F and organic posts on T-TH
- M-W-F posts asked trivia questions about the video. The first five correct answers won a \$25 TxTag credit.
- T-TH posts asked trivia questions about Austin.
   The first five correct answers won a \$25 TxTag credit.

Week 4 Analytics 66.3 K Impressions 681 Post Engagements





# **Radio Ads**







# **Statesman Ads**



WHAT DO DOGS DREAM ABOUT? HOW MANY AND ANES ARE THEY BUILDING ON MOPAC? PIEDUS OR HOMESLIGE? HOW MANY BUBBLES PEIN A BOTTLE OF TOPO CHIGO? TORCHY'S OR TAGO DELI? BEN AFFLECK AS BATMAN? RELLY? WHERE CAN YOU FIND ARTISINAL FREE-TRADE MUSTACHE WAX? BIKE, DRIVE OR WALL? WHO'S PLAYING AT SXSW THIS YEAR? JUST HOW MANY TATTOO ARTISTS ARE IN THIS TOWN? HOW COLD IS BARTON SPRINGS? WHERE IS THE WILLIE NELSON STATUP? HOW WHAT WAS THE CONGRESS BRIDGE? WHY ARE THERESO MANY MATTRESS STORES AUSTINITES DERS ARE THERE IN AUSTIN'S WHAT WAS AUSTIN'S WHAT WAS THE NAME OF AUSTIN'S POTTED MEAT FESTIVAL ARE WHO MANY PEDICABS AND BUNCH ALEFODOS SELL? WHAT IS THE CATHEDRAL OF JUNK? HOW MANY DIFFEREN.

BUT FOR THE MOST IMPORTANT QUESTION OF ALL VISIT CURIOUSAUSTIN.COM

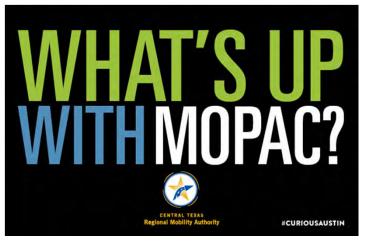




CENTRAL TEXAS

Regional Mobility Authority

# **Digital Banners**



# WE HAVE ANSWERS.

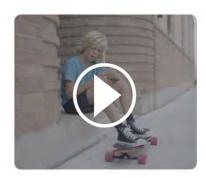




# **Video and Question Digital Banner Ads**













# **Digital Banner Ad Analytics**

Statesman

- Total Impressions: 350,000

Total Clicks to Date: 225

Overall Click Rate: 0.11%

#### KXAN

- Total Impressions: 338,593

Total Clicks to Date: 1,837

Overall Click Rate: .86%

#### Centro

Total Impressions: 456,134

Total Clicks to Date: 708

Overall Click Rate: .20%



# **Landing Page Analytics**



Landing page views: 12,239

Average time spent on page: 2:41 minutes



# CENTRAL TEXAS Regional Mobility Authority