



# Planning Team Meeting #2 Summary Report

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## SH 16 (Bandera Road)

Project limits: From I-410 to Loop 1604  
CSJs 0291-10-099, 0291-10-100  
Bexar County, Texas

January 2020  
Texas Department of Transportation, San Antonio District

*The environmental review, consultation, and other actions required by applicable Federal environmental laws for this project are being, or have been, carried-out by TxDOT pursuant to 23 U.S.C. 327 and a Memorandum of Understanding dated December 9, 2019, and executed by FHWA and TxDOT.*

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## Acronyms and Abbreviations

AADT	Average annual daily traffic
AAMPO	Alamo Area Metropolitan Planning Organization
DLT	Displaced left turn
LBS	Location-based services
O-D	Origin-Destination
TxDOT	Texas Department of Transportation



## 1. Introduction

The Texas Department of Transportation (TxDOT) is studying potential roadway improvements to SH 16 (Bandera Road) between I-410 and Loop 1604, within the cities of Leon Valley and San Antonio. Parallel to the TxDOT project, the City of San Antonio has initiated the Bandera Road Corridor Plan within the same project limits (SH 16 [Bandera Road] from I-410 to Loop 1604). TxDOT's focus is on improving the transportation system, while the City of San Antonio is focused on economic development, land use and urban design, mobility, and sustainability and innovation.

As part of the community engagement efforts for SH 16 (Bandera Road), a "Planning Team" was formed, which is composed of major businesses, neighborhood associations, and other local organizations from the SH 16 (Bandera Road) corridor. Feedback from the Planning Team will help inform the planning process for both the TxDOT project and the City of San Antonio's Corridor Plan. Planning Team members are tasked with providing feedback and relaying project information back to their respective organizations.

On Wednesday, September 18, 2019, TxDOT and the City of San Antonio held the second Planning Team Meeting in a series of meetings that will continue to occur throughout the project development process. The meeting was held at the YMCA at O.P. Schnabel Park located at 9606 Bandera Rd., San Antonio, Texas, 78250. An online option was also available to Planning Team members for the meeting via WebEx; however, due to unforeseen technical difficulties, the WebEx option was unavailable. The meeting was held between 6:30 p.m. and 8:30 p.m. A total of 69 individuals from 52 organizations were invited to participate as members of the Planning Team. Twelve (12) individuals from 10 organizations attended the meeting, in addition to 14 project team members. The complete list of Planning Team members that were invited to the meeting, as well as a representative invitation postcard and email are included in **Appendix A**. This report provides a summary of the meeting, including feedback received.



## 2. Attendance

### *Planning Team Members*

Name	Organization
1. Darrell Dixon	Ancira-Winton Chevrolet
2. Daniel Baird	Braun Oaks Homeowners Association
3. Brandon Melland	City of Leon Valley
4. Mayor Chris Riley	City of Leon Valley
5. Erica de Luna	City of San Antonio, Council District 7
6. Alfredo Uvalle	Episcopal Church of the Holy Spirit
7. Norma Uvalle	Episcopal Church of the Holy Spirit
8. Geraldine Rodriguez-Smith	Leon Valley Economic and Community Development Advisory Committee
9. Kathy Hill	Leon Valley Historical Society
10. Lt. Kelley Fryar	Northside ISD Police Department
11. Scott Stewart	Scenic Hills Seventh-Day Adventist Church
12. Jami Engel	YMCA at O.P. Schnable Park



Economic and Community Development  
Advisory Committee

Braun Oaks



### *Project Team Members*

<b>Name</b>	<b>Organization</b>
1. Iris Gonzalez	City of San Antonio, Planning Department
2. Sidra Schimelpfening	City of San Antonio, Planning Department
3. Ana Villarreal	City of San Antonio, Planning Department
4. Chad Gardiner	Halff Associates
5. Maria Guerra	Halff Associates
6. Abdulwahid Mohammed	Halff Associates
7. Lena Camarillo	Poznecki-Camarillo, Inc.
8. Jackie Lopez	Poznecki-Camarillo, Inc.
9. Linda Vela*	Poznecki-Camarillo, Inc.
10. Ivonne De La Rosa	Texas Department of Transportation
11. Fernando Flores	Texas Department of Transportation
12. Amy Redmond	Texas Department of Transportation
13. Clayton Ripps	Texas Department of Transportation
14. Jay Louden	Work5hop

*\*Attended but did not sign in at the meeting.*



*Planning Team Meeting #2, September 18, 2019*

### 3. Meeting Structure

A sign-in table was set up in the foyer at the entrance to the meeting and the following handouts were given to attendees: (1) a presentation handout, (2) an agenda, and (3) a comment form. These handouts are included in **Appendix D**. As mentioned above, 14 Planning Team members attended the meeting; the sign-in sheets are included in **Appendix B**.

A PowerPoint presentation was given to Planning Team members and attendees were encouraged to ask questions or provide comments throughout the presentation. A copy of the PowerPoint presentation is included in **Appendix C**.

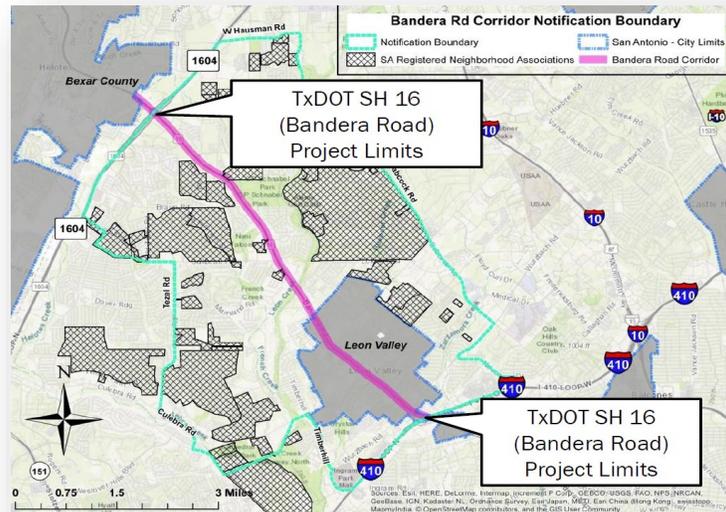
### 4. Introductions and Online Participants

Mr. Chad Gardiner, P.E., Consultant Project Manager with Halff Associates, Inc. for TxDOT's project, welcomed Planning Team attendees and initiated introductions. After providing instructions and troubleshooting tips for Planning Team members who joined the meeting via the WebEx option,<sup>1</sup> he then began the PowerPoint presentation, which is summarized below.

### 5. Presentation

#### 5.1 Project Limits

Both TxDOT's and the City's studies on SH 16 (Bandera Road) are within the same project limits, which are from I-410 to Loop 1604 within the cities of Leon Valley and San Antonio, for a total project distance of approximately 6.5 miles.



*SH 16 (Bandera Road) Project Limits*

<sup>1</sup> A WebEx online version of Planning Team Meeting #2 was offered; however, due to unforeseen technical difficulties, the WebEx option was unavailable. It was determined that one Planning Team member attempted to use the Webex; the Project Team contacted this individual during the meeting to let him know the Webex was not available.



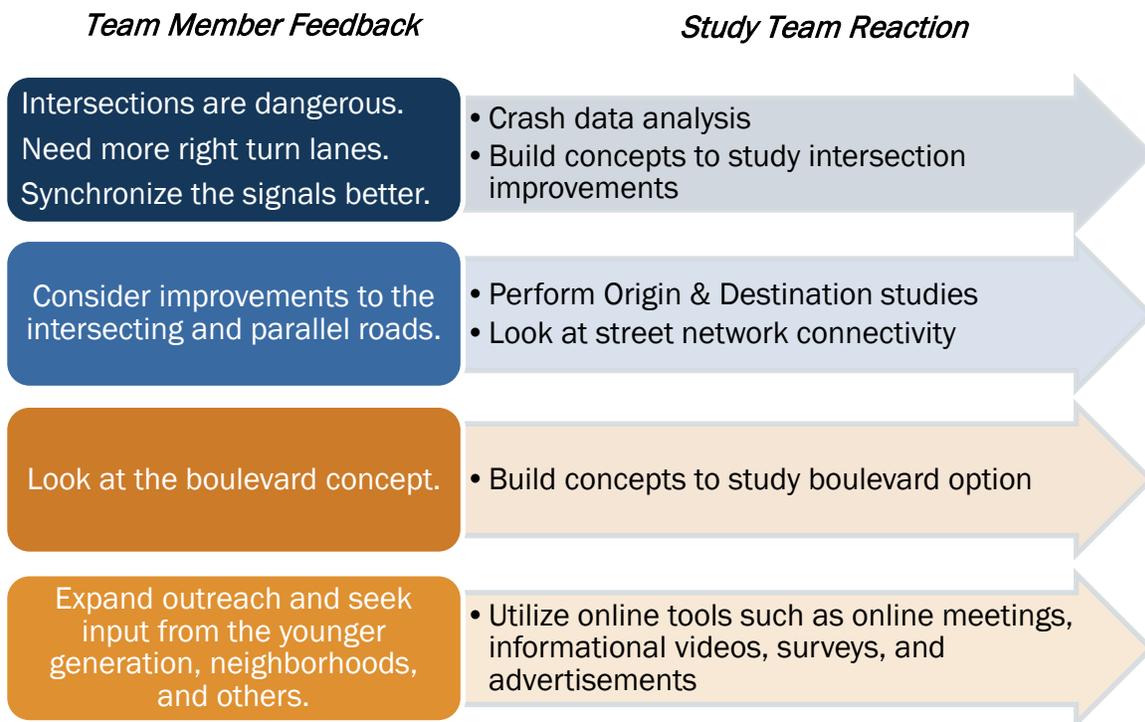
## 5.2 Planning Team Meeting #1 and Survey Summary

### (a) Planning Team Meeting #1 Summary

On May 20, 2019, TxDOT and the City of San Antonio held the first Planning Team Meeting at the Leon Valley Conference Center located at 6421 Evers Rd., Leon Valley, Texas. Seventeen (17) Planning Team members representing 14 organizations attended this meeting. Information discussed at the meeting included:

- ❖ There are two studies being conducted simultaneously for SH 16 (Bandera Road) from I-410 to Loop 1604:
  - City of San Antonio’s Bandera Road Corridor Plan; and
  - TxDOT’s SH 16 (Bandera Road) Project.
- ❖ TxDOT efforts conducted to-date of Planning Team Meeting #1 include:
  - Community outreach and an online survey;
  - Origin & Destination (O-D) data analysis; and
  - Crash data analysis.

Feedback received from the Planning Team at the first meeting, as well as the study team’s reaction to this information is depicted in the below graphic.



*Feedback from Planning Team Meeting #1*

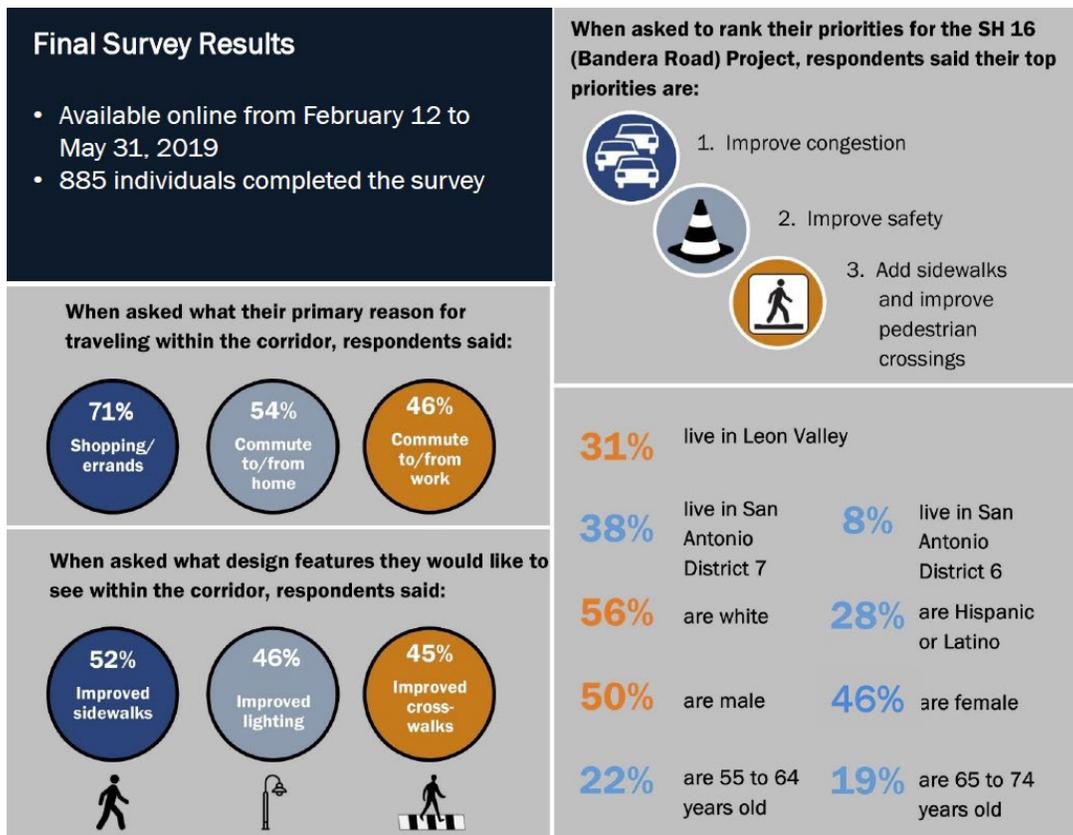


(b) Community Outreach – Survey Summary

An online survey was conducted from February to May 2019 to collect community input on the SH 16 (Bandera Road) Project, including questions focused on priorities for the project, community members’ primary use of the corridor, and desired design features for the corridor. A total of 885 individuals completed the survey.

Survey respondents said that improving congestion is their top priority for the SH 16 (Bandera Road) Project, followed by improving safety, and adding sidewalks and improving pedestrian crossings. The largest percentage of respondents said they use the corridor for shopping or running errands, followed by those that use the corridor to commute to/from home or work. When asked what design features they would like to see within the corridor, the top answers were improved sidewalks, lighting, and crosswalks.

A detailed survey summary report is available online at [www.txdot.gov](http://www.txdot.gov), keywords “SH 16 (Bandera Road) from I-410 to Loop 1604”. An infographic summarizing the results is provided below.



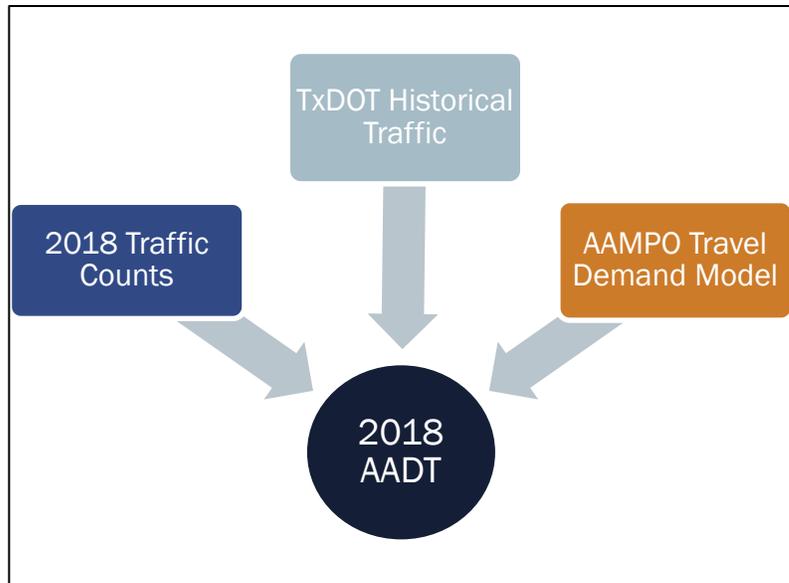
*Survey #1 Summary Results, February – May 2019*



### 5.3 TxDOT's SH 16 (Bandera Road) Project Update

#### (a) 2018 Daily Volumes

The Project Team calibrated traffic count data that was collected in 2018 using historical traffic data to produce annual average daily traffic (AADT) volumes of SH 16 (Bandera Road) within the project limits. The purpose of this calibration was to create a balanced network of daily traffic volumes that represent a typical day on SH 16 (Bandera Road). These volumes include the consideration of the recently constructed displaced-left turn (DLT) lanes at the SH 16 (Bandera Road) and Loop 1604 intersection.



*Process of Creating 2018 Annual Average Daily Traffic Volumes for SH 16 (Bandera Road)*

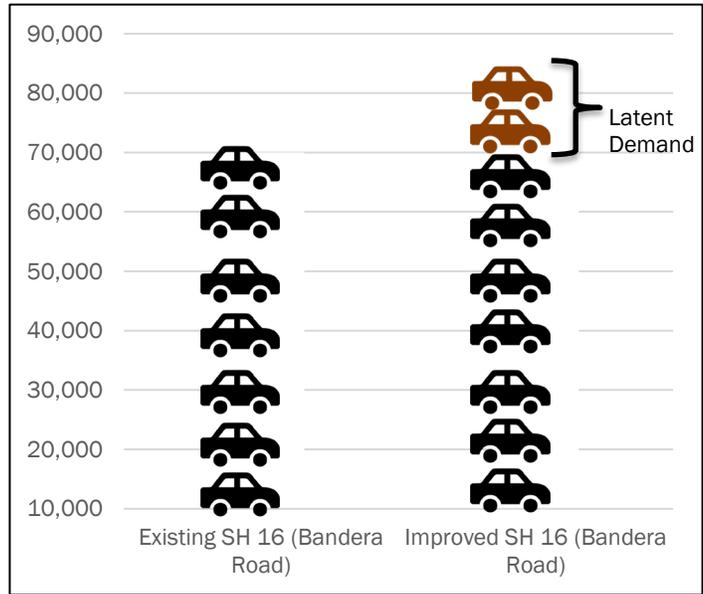
The results of this analysis show that 2018 daily traffic volumes on SH 16 (Bandera Road) vary from approximately 30,000 to 72,000 vehicles per day, with higher volumes in the southern portion of the project limits near the I-410 direct connectors.

#### (b) Projected Growth

After 2018 AADT volumes were established, the Project Team looked at projected traffic volumes of SH 16 (Bandera Road) for the years 2027 and 2047. To do this, an annual growth rate that is consistent with the projected growth of the area was needed. The Project Team also identified potential latent demand of the corridor. “Latent demand” occurs when demand exceeds capacity. To explain this further, because SH 16 (Bandera Road) is currently over capacity, some commuters utilize nearby streets and “cut through” routes (e.g. parking lots, neighborhoods, etc.) to avoid congestion on SH 16 (Bandera Road). However, if the corridor were to be improved and capacity was added, this would provide more commuters within the study area access to the corridor.

Potential Latent Demand

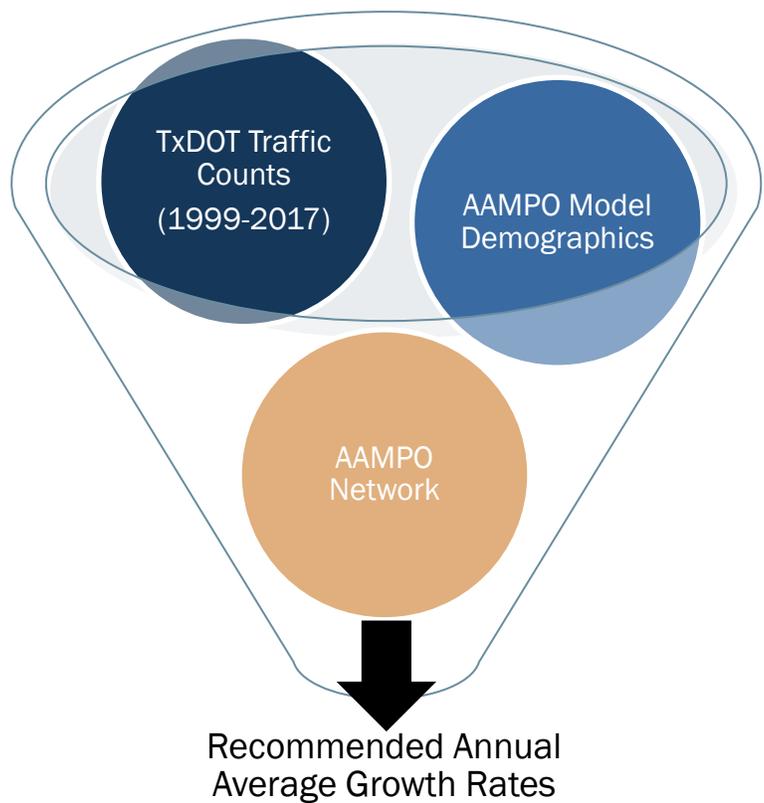
The Project Team utilized the Alamo Area Metropolitan Planning Organization’s (AAMPO’s) 2045 Travel Demand Model, which uses projected demographic data for the region, to analyze potential latent demand scenarios for the corridor. The Project Team modeled different scenarios, the results of which indicated that on average, up to an additional 14,000 vehicles per day (which is equivalent to about one lane of traffic in each direction) would be anticipated to use SH 16 (Bandera Road) if capacity was added to the corridor.



*2045 Average Daily Traffic Volumes*

Annual Growth Rates

Next, the Project Team developed projected annual average growth rates for the corridor using historical growth data, TxDOT traffic counts, and the AAMPO’s Travel Demand Model and demographic data. Projected growth for the surrounding area was also considered, as growth in the region could affect traffic on SH 16 (Bandera Road). The recommended annual average growth rate for I-410 to Guilbeau Road is two percent per year, while from Guilbeau Road to Loop 1604, the recommended annual average growth rate is three percent per year.



### Projected Daily Traffic Volumes

Based on the identified projected growth rates and potential latent demand of the corridor, the Project Team projected traffic volumes for SH 16 (Bandera Road) for the years 2027 and 2047. This analysis shows that in the southern portion of the corridor, around Seneca Drive and El Verde Road, traffic volumes are anticipated to increase from approximately 72,000 vehicles per day in 2018 to over 114,000 vehicles per day in 2047, an approximate 58 percent increase. The percent growth further increases when moving north along the project limits. In the middle portion of the corridor, around Mainland Drive, traffic volumes are expected to increase by approximately 69 percent, from approximately 56,000 vehicles per day in 2018 to 94,000 vehicles per day in 2047. At the northern part of the corridor, near Stonecroft/Quincy Lee Drive, volumes are expected to increase from 39,000 vehicles per day in 2018 to nearly 73,000 vehicles per day in 2047, an approximate 87 percent increase. These projections indicate that by 2047, the northern portion of the corridor will experience around the same amount of traffic as the southern portion of the corridor experiences today.



*SH 16 (Bandera Road) No-Build Traffic AADT Volumes (vehicles per day)*

At this point in the presentation, Lt. Kelley Fryar with Northside ISD Police Department asked if the projected volumes consider potential latent demand. Mr. Gardiner clarified that yes, potential latent demand was considered in the projected daily traffic volumes.



### (c) Traffic Modeling – Existing Conditions

The Project Team developed an existing traffic conditions model of SH 16 (Bandera Road) using the 2018 daily volumes described in Section 5.3(a). Traffic conditions in the morning and evening rush hours (also called the “AM and PM peak periods”) were analyzed, which is when traffic volumes are the highest. The AM and PM peak periods along SH 16 (Bandera Road) within the project limits last multiple hours each.

The Project Team then created O-D matrices to identify different traffic routes (i.e. where people start and end their trips) in the area. The O-D analysis is described in further detail in the following section.

The O-D data and identified routes will be applied to the AM/PM peak periods on SH 16 (Bandera Road) to develop peak period demand volumes. The existing traffic conditions model will then be calibrated using these peak period volumes. The O-D data and calibration will then be applied to the proposed build concepts to identify operational impacts.

### (d) Origin & Destination (O-D) Analysis

As mentioned above, an O-D analysis of the corridor was conducted to identify travel patterns within the study area. Three independent data sources were analyzed for O-D data and trip distributions. The results of the analysis indicate similar traffic patterns/distributions, which then cross-validates each source. It is important to note that this extensive O-D analysis was not available for previous studies.

#### Data Sources

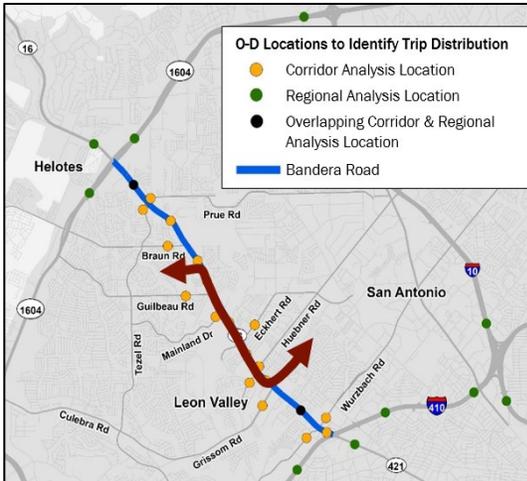
As previously mentioned, three different data sets were utilized by the Project Team for the O-D analysis:

- ❖ **Bluetooth** – uses temporary data collection devices and collects data as a Bluetooth-enabled device passes by a defined location to provide a representative sample of trips passing by that location
- ❖ **StreetLight Data** – uses location-based services (LBS) data from smartphone applications to provide a representative sample of trips that pass through a defined location
- ❖ **AAMPO Travel Demand Model** – uses 2010 Census data that has been calibrated to 2015 traffic data to model where people live and work along the roadway network to identify travel patterns



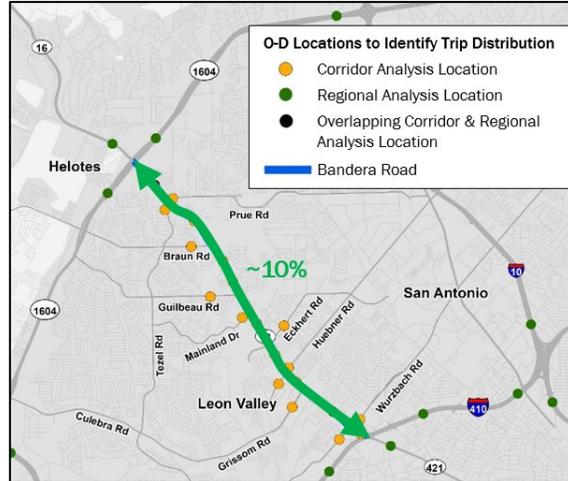
## Travel Pattern Trends

Comparison of these three data sources indicated similar travel patterns and distributions along SH 16 (Bandera Road) and in the region. Major travel patterns are summarized below.



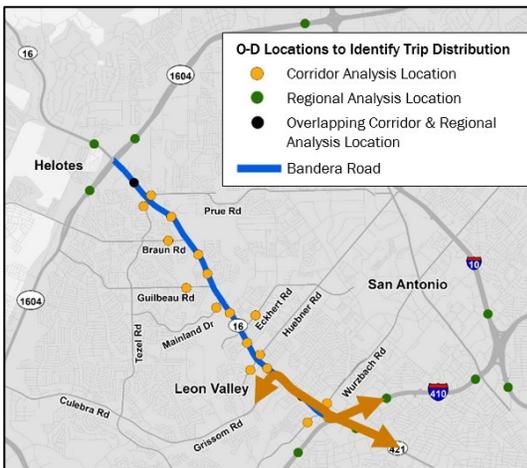
CORRIDOR TREND

There is a major east-west and west-east travel pattern across SH 16 (Bandera Road) from one cross-street to another, including short- and long-distance trips.



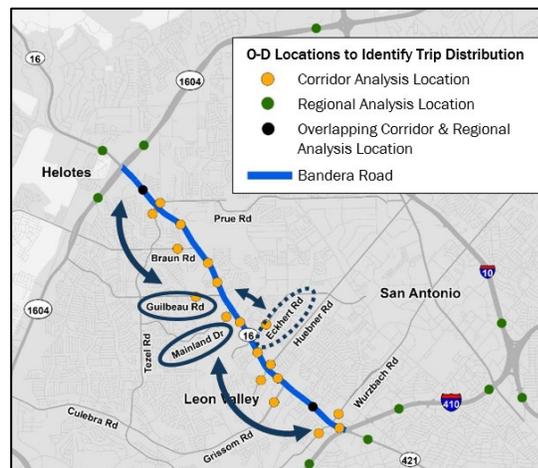
CORRIDOR TREND

On average, approximately 10 percent of trips travel the length of the corridor between I-410 and Loop 1604.



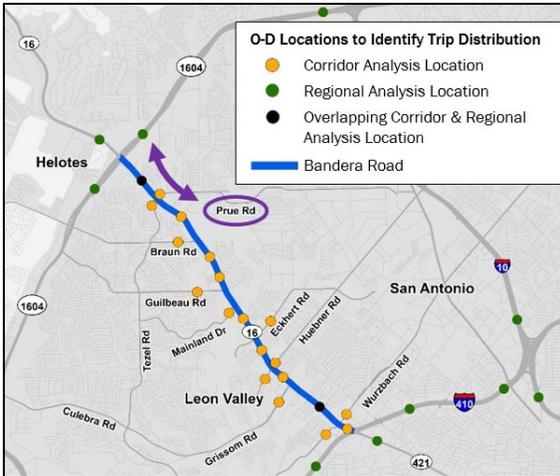
CORRIDOR TREND

There are major travel patterns between Grissom Road, I-410, and Bandera Road to the south.



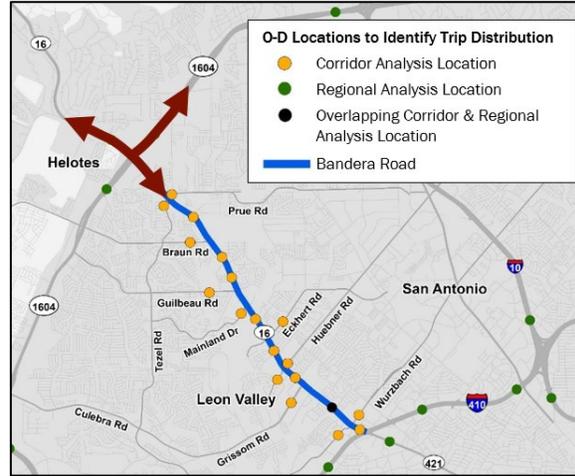
CORRIDOR TREND

Guilbeau Road and Mainland Drive exhibit major travel patterns between Eckhart Road and the SH 16 (Bandera Road) interchanges with I-410 and Loop 1604.



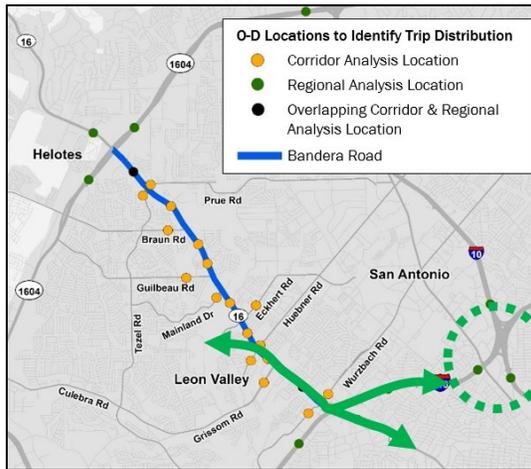
**CORRIDOR TREND**

Prue Road exhibits major travel patterns with Loop 1604 and SH 16 north.



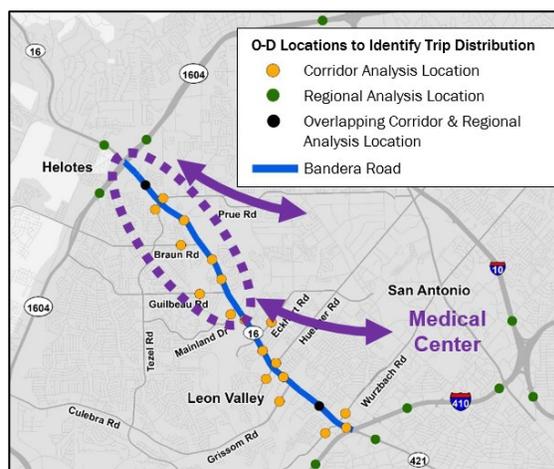
**REGIONAL TREND**

There are major travel patterns for trips entering or exiting SH 16 (Bandera Road) at the northern project limit with: (1) SH 16 north of Loop 1604 (*\*largest movement*), and (2) Loop 1604 east of SH 16.



**REGIONAL TREND**

There are major travel patterns for trips entering or exiting SH 16 (Bandera Road) at the southern project limit with: (1) I-410 (east) and the I-10/I-410 interchange (*\*largest movement*), and (2) Bandera Road south of I-410.



**REGIONAL TREND**

The majority of SH 16 (Bandera Road) trips to the Medical Center originate from the northern half of the corridor.

Planning Team members then provided feedback on the travel patterns, as summarized below.

Daniel Baird,  
Braun Oaks HOA

All of this makes perfect sense to me. I agree with all of it.

Chad Gardiner,  
Halff Associates

The travel patterns really start to show this zigzag type of movement on SH 16 (Bandera Road), where vehicles are going from one side of the corridor, traveling a few miles on SH 16 (Bandera Road), then exiting on the opposite side of the corridor. You can see this in the PM peak period when everyone is trying merge into the two inside lanes to turn left, which is causing a queue.

Daniel Baird,  
Braun Oaks HOA

I am surprised that only 10 percent of cars are traveling through the corridor, from I-410 to Loop 1604.

Chad Gardiner,  
Halff Associates

Ten percent actually represents a considerable amount of traffic.

Clayon Ripps,  
TxDOT

Other studies that have been conducted on I-10 show that only 30 percent of I-10 traffic travel from I-410 to Loop 1604, and I-10 is a regional highway. For SH 16 (Bandera Road), 10 percent is actually on the higher end of what we would expect to see on this type of roadway.

Scott Stewart,  
Scenic Hills  
Seventh-Day  
Adventist Church

For traffic originating at Braun Road, Guilbeau Road, or Mainland Drive wanting to access the Medical Center, they have no other choice but to use SH 16 (Bandera Road) for a short period. For traffic originating north of Loop 1604, they can use Prue Road to access the Medical Center.

Chad Gardiner,  
Halff Associates

Yes. This ties in with another strong interaction we noted with Eckhert Road and the Medical Center.

Mayor Chris Riley,  
City of Leon Valley

In 2006 or 2007, it was estimated that approximately seven percent of traffic was traveling through SH 16 (Bandera Road) from I-410 to Loop 1604. I am surprised that it has only gone up by three percent since then and that the majority of traffic is going across the corridor.



(e) Community Engagement

Mrs. Lena Camarillo, Community Engagement Task Leader with the TxDOT Project Consultant Team, gave an update on community engagement efforts for the project. TxDOT's community engagement strategy is focused on the following three overlying principles: *Inform, Consult and Collaborate*, and *Engage*. TxDOT is utilizing various tools and outreach methods as part of this effort, as summarized below.

Inform	Consult & Collaborate	Engage
<ul style="list-style-type: none"><li>• Fact Sheets</li><li>• Social Videos (60 seconds or less)</li><li>• Education Video (2-3 minutes)</li><li>• Newsletters</li><li>• Project Website</li><li>• Print/Bluetooth Ads</li><li>• E-Blasts</li></ul>	<ul style="list-style-type: none"><li>• Task Force</li><li>• Planning Team</li><li>• Technical Work Group</li><li>• Property Owner Meetings</li><li>• Business Forums</li><li>• Open Houses/Public Meetings</li><li>• Public Hearing</li></ul>	<ul style="list-style-type: none"><li>• Social Media Toolkit</li><li>• Pop-Up Events/ Informational Booths</li><li>• Surveys (Print/Online)</li><li>• Phone Calls</li></ul>

*TxDOT's Community Engagement Strategy*

TxDOT is currently planning their first Public Meeting for the SH 16 (Bandera Road) Project, which will be tentatively held in late 2019. The meeting will be held in an open house format, with a rolling presentation given at selected times. Potential stations at the meeting will focus on defining issues and receiving feedback for the corridor. TxDOT is also exploring the option for setting up a virtual (online) open house for the meeting.

Numerous outreach tools are currently being drafted for the project, including the project's first newsletter, a postcard to outreach the Public Meeting, and a social media toolkit. Mrs. Camarillo asked Planning Team members to distribute these materials to their respective organizations and agencies once received.



(f) TxDOT Next Steps

Next steps for TxDOT's SH 16 (Bandera Road) Project include:

- ❖ Ongoing community outreach;
- ❖ 4<sup>th</sup> Quarter 2019 - Public Meeting;
- ❖ 4<sup>th</sup> Quarter 2019 - Existing Conditions Report; and
- ❖ 1<sup>st</sup> Quarter 2020 - Begin development of build concepts.

#### 5.4 City of San Antonio's Bandera Road Corridor Plan Update

Mr. Jay Loudon, Consultant Project Manager with Work5hop for the City of San Antonio's study, then provided a status update of the Bandera Road Corridor Plan.

(a) Progress Update

To date, the City of San Antonio's Study Team has:

- ❖ Held a Kick-Off Meeting on August 15, 2019, inclusive of an on-site tour;
- ❖ Completed the first drone flight session on September 15, 2019 (anticipated to be complete by October 2019);
- ❖ Coordinated with the TxDOT Project Team;
- ❖ Began gathering data for technical memoranda;
- ❖ Began data collection and assembly;
- ❖ Completed base mapping; and
- ❖ Began analysis documentation.



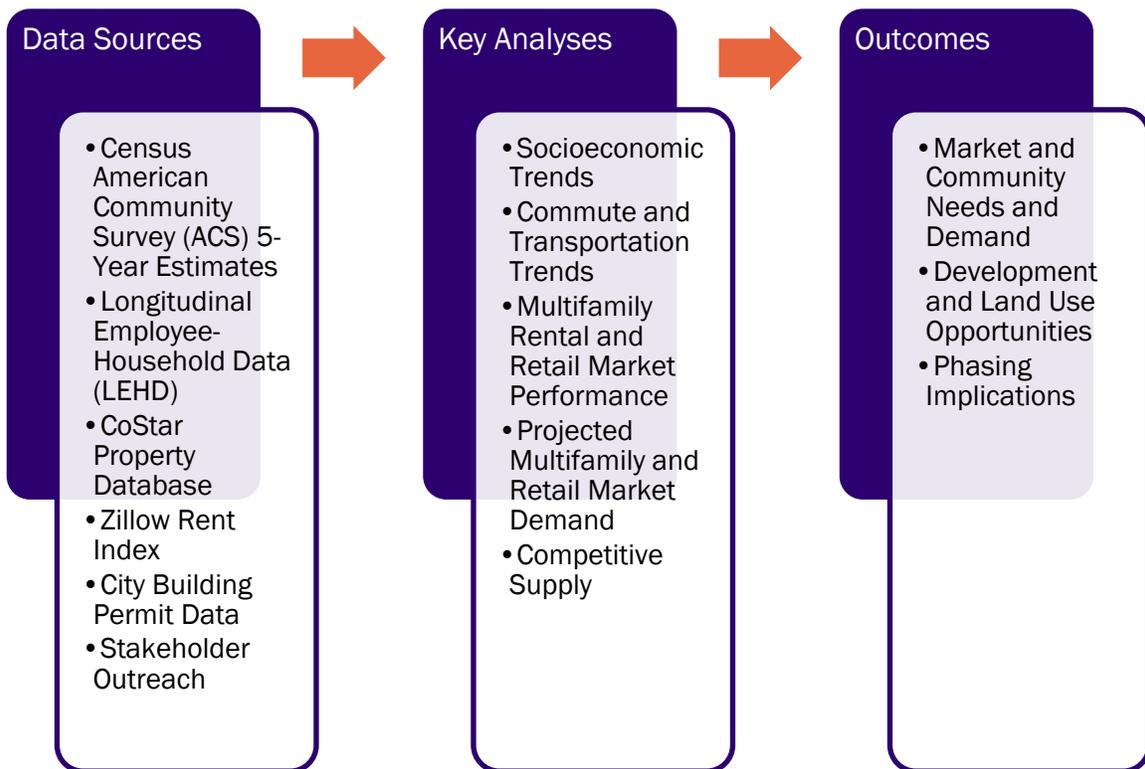
*On-Site Tour, August 15, 2019*

(b) Market Analysis

The Bandera Road Corridor Plan will include a market analysis, which will identify the socioeconomic conditions of the SH 16 (Bandera Road) corridor and its surroundings, including past, present, and projected conditions of local multi-family and retail markets. The analysis will consider what current and projected market conditions suggest about the opportunities and needs for economic development, transportation, and urban design for SH 16 (Bandera Road).

(c) HR&A Methodology

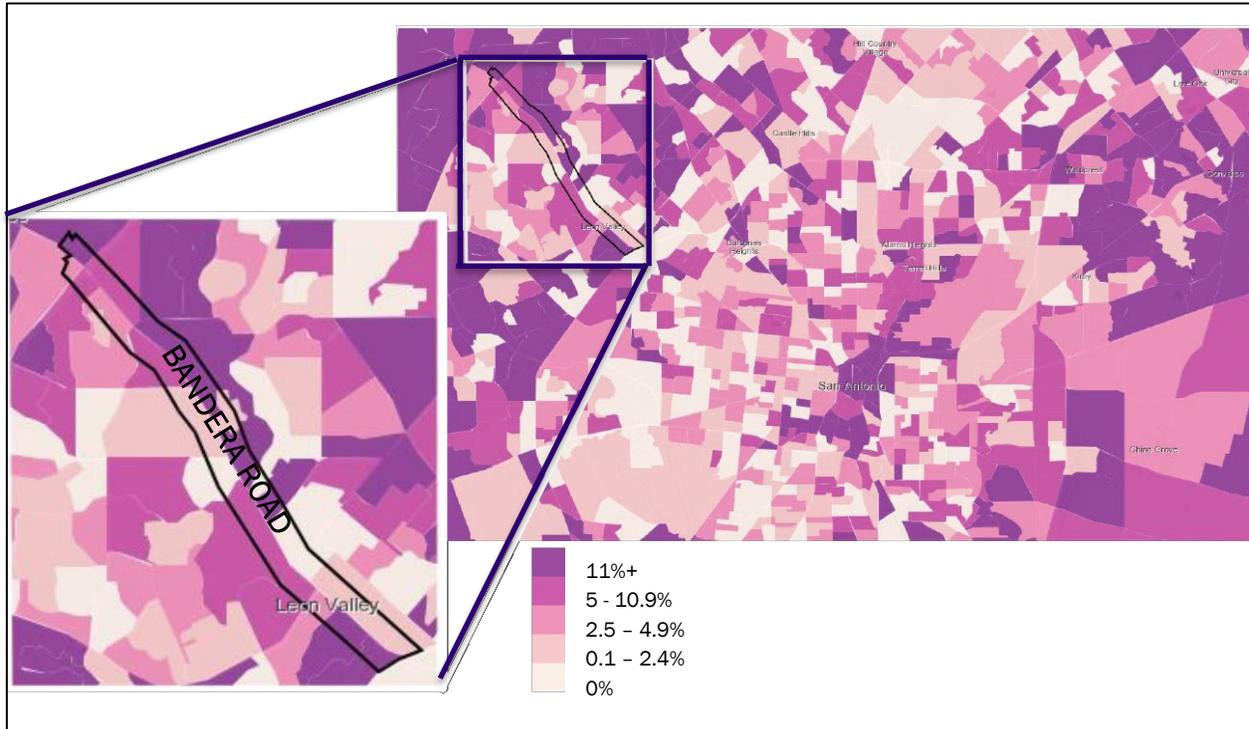
HR&A is an industry-leading consulting firm that provides services in real estate, economic development, and program design and implementation. HR&A will conduct an analysis of SH 16 (Bandera Road), utilizing the following methodology.



*HR&A Methodology*

(d) Population Growth

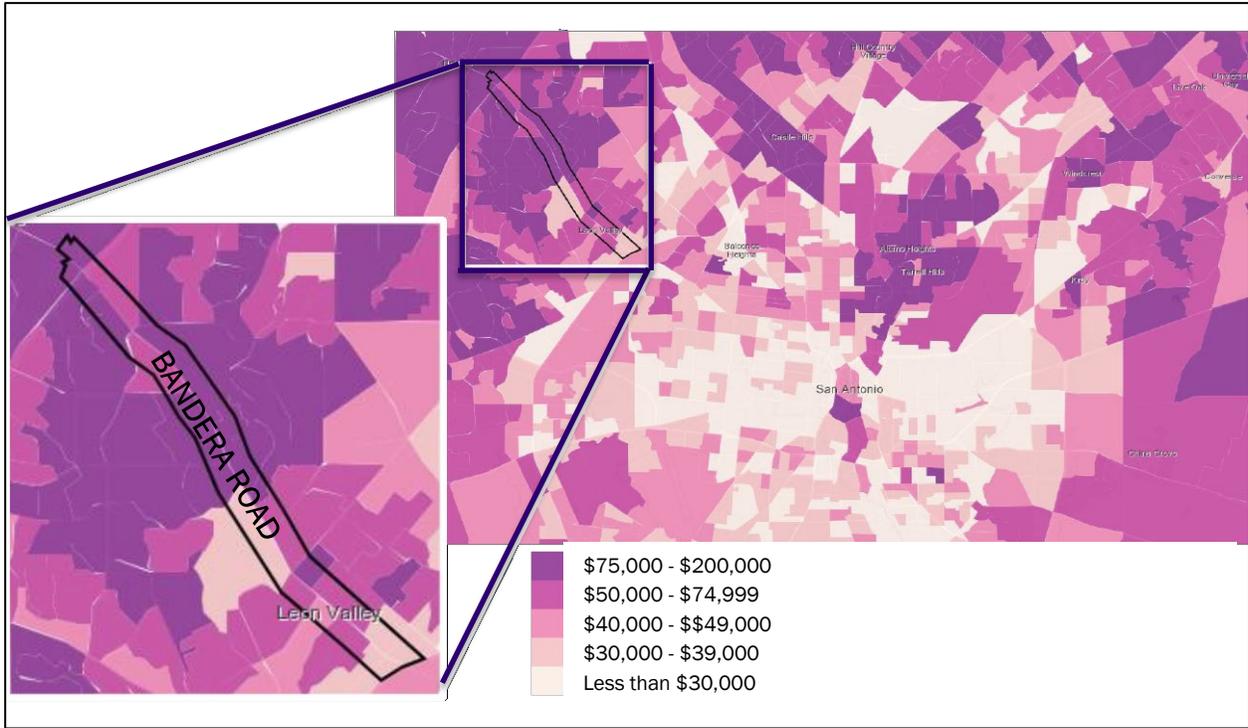
Population growth data from 2010 to 2017 was analyzed for the SH 16 (Bandera Road) corridor and San Antonio region. This data indicates that growth trends along the corridor have not been particularly high within the last decade. The majority of growth in the region has occurred outside of Loop 1604 within this timeframe.



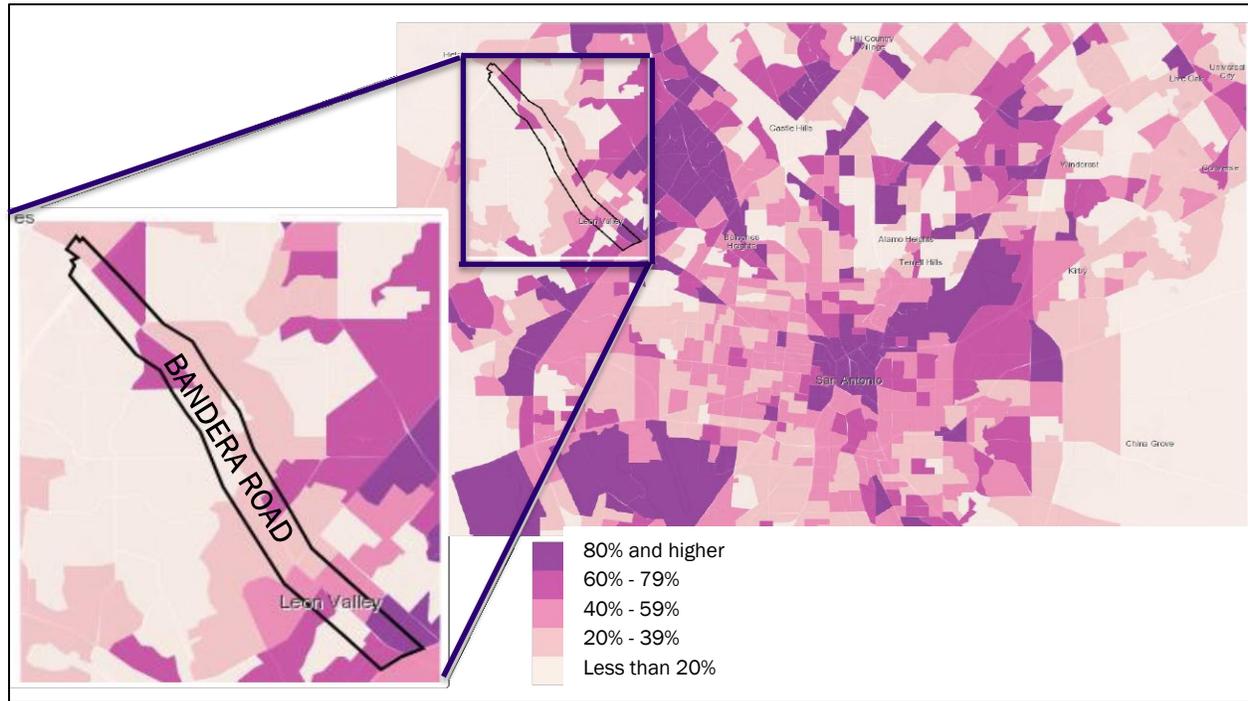
*2010 - 2017 Population Growth*

(e) Median Household Income and Renter-Occupied Housing Units

Median household income data suggests that income levels along the SH 16 (Bandera Road) corridor are higher than what is typically seen on similar corridors within the San Antonio region. This coincides with renter-occupied housing unit data, which indicates a higher number of people own their homes along the corridor compared to other similar corridors in the area. This kind of data helps the Study Team understand the demographics of the corridor and region, which in turn could translate into how people use transportation.



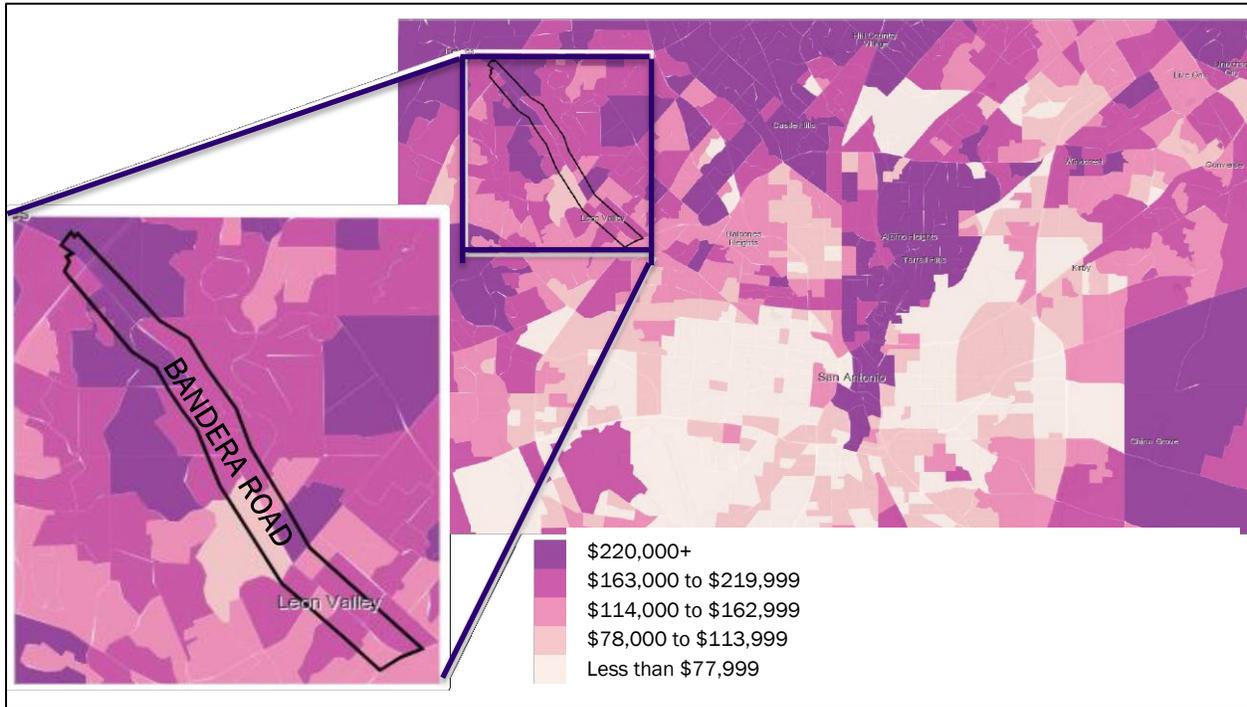
*Median Household Income*



*Share of Renter-Occupied Housing Units*

(f) Median Home Value

Median home value data showed that median home values along the SH 16 (Bandera Road) corridor are not as high as median household income numbers, but are higher than the Study Team would expect for a similar corridor.

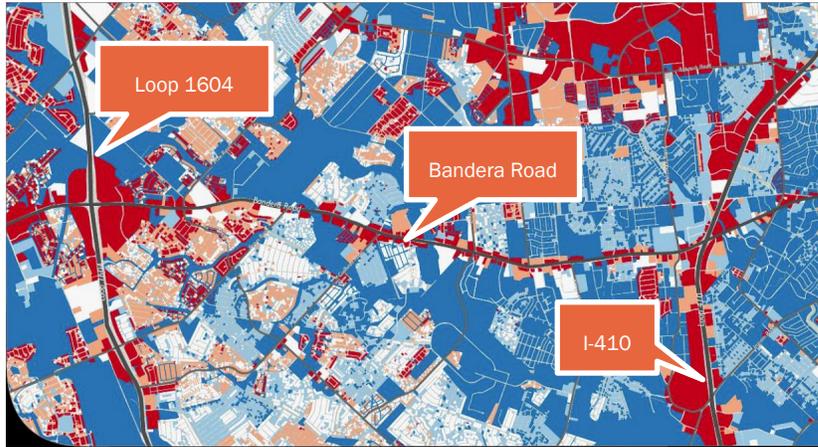


(g) Development Analysis

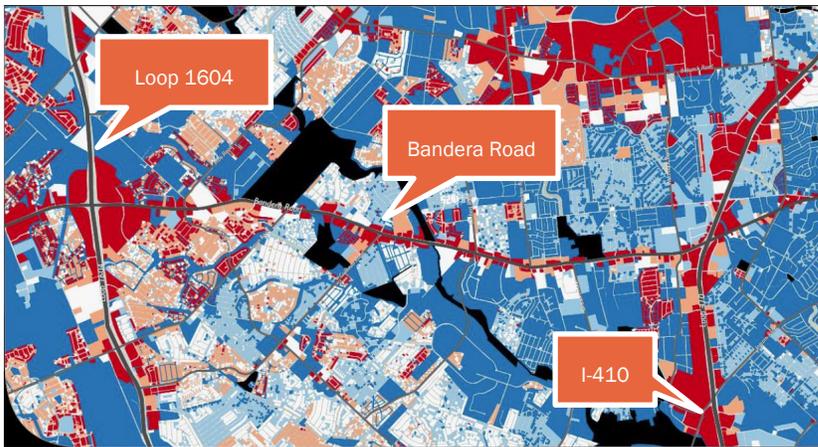
The Bandera Road Corridor Plan will include a development analysis to determine where development is more or less likely to occur, where development is in a relatively steady state, and where larger patterns of development occur.

(h) Land Values

Land value data for the corridor is summarized in the below graphic. The data shows that land values increase around major corridors in the area, such as around I-410 and Loop 1604, which is what would be expected. There is a very fine ribbon of higher land values along SH 16 (Bandera Road). The Medical Center area has high land values. Alternatively, lower land values currently exist south of SH 16 (Bandera Road).



Land depicted in red represents land with a higher land value, while land in blue represents a lower land value.



Certain types of land, such as parks, are undevelopable. These were eliminated from consideration and are depicted in black above.



Higher land values noted at project termini.

Higher land values noted at Medical Center

Higher land values noted at project termini.

Lower land values noted south of SH 16 (Bandera Road)

Other City-owned land or zoned residential lots were also eliminated from consideration (depicted in black).

The Study Team also looked at existing bicycle connectivity between neighborhoods in the area and commercial facilities along the SH 16 (Bandera Road) corridor, based on the AAMPO’s “2016 Bike Map”, which evaluates roadways within the area based on their “level of traffic stress”. Based on this analysis, there are no current bicycle accommodations to SH 16 (Bandera Road) from the surrounding neighborhoods unless you are a very confident rider.

## 6. Planning Team Feedback

Following the presentation, Planning Team members asked questions and provided input on the information presented, which is summarized below:

- |   |   |
|---|---|
| Mayor Chris Riley,<br>City of Leon Valley       | Multimodal options are extremely important for this corridor.   |
| Chad Gardiner,<br>Halff Associates              | All of our proposed build concepts will include improvements for bicyclists and pedestrians. We have heard from the community in our outreach conducted to-date that they want better sidewalks and better crosswalks.  |
| Ana Villarreal, City<br>of San Antonio          | You mentioned a large zigzag travel pattern along the corridor. Do you think our analysis will lead to future projects on other roadways in the network?  |
| Chad Gardiner,<br>Halff Associates              | All of the information we obtain from our study will be shared with the City of San Antonio, City of Leon Valley, and TxDOT to help identify connectivity improvement needs. However, some of these cross-streets are City-owned streets, not TxDOT roadways. |
| Sidra<br>Schimelpfening,<br>City of San Antonio | The City always implements the necessary permits from our Development Services Department. I’m curious what walkability criteria applies to new developments. Are they meeting that walkability standard?   |



Jay Loudon,  
Work5hop

The City of San Antonio is rigorous about projects meeting development standards. However, there is not a solution that can come from individual projects, but would rather need to be a systemic solution. Individual projects are only required to meet walkability standards for their particular property. The result is a lot of sidewalk gaps.

Chad Gardiner,  
Halff Associates

As part of our existing conditions analysis, we have mapped existing sidewalks and trails in the area to look at potential connections and improvements. As part of our project, we will look at providing continuous sidewalks and crosswalks along SH 16 (Bandera Road) within the project limits.

Daniel Baird,  
Braun Oaks HOA

How many concepts are currently being considered? I realize you are still evaluating concepts, but is there a target number you are considering? Also, will you include concepts that are geared for thru-traffic, or will there still be a lot of traffic signals along the corridor?

Chad Gardiner,  
Halff Associates

TxDOT will consider multiple improvements that can be applied to the entire corridor. We will look at specific concepts that have previously been studied, such as the boulevard concept and others. We have not yet begun identifying potential concepts. Our goal is to coordinate with our various groups and the public to look at what was seen previously and what makes sense now. We plan to start identifying preliminary concepts in early 2020.

Jami Engel, YMCA  
at O.P. Schnabel

I don't think sidewalks for pedestrians are needed – sidewalks aren't going to improve congestion of the roadway. I don't believe people will ride their bike to HEB or Old Navy. Yes, I think bicycle and pedestrian accommodations should be a focus, but the problem is people who are commuting through the corridor.

Daniel Baird,  
Braun Oaks HOA

I would prefer to use SH 16 (Bandera Road) all the way through the limits rather than having to cut through other cross streets like I do today.



Jay Loudon,  
Work5hop

Sidewalks would help with congestion a little, as would zoning and roadway improvements. The long-term plan for the corridor needs to be looked at systemically.

Geraldine  
Rodriguez-Smith,  
Leon Valley  
Economic and  
Community  
Development  
Advisory  
Committee

I agree. We need to make sure we are planning for the long-term. For instance, there is a park-and-ride facility at Loop 1604 and I-10; we should be looking at things like this to alleviate congestion.

Lt. Kelley Fryar,  
Northside ISD  
Police Department

Have you looked into the generational impact of these studies and how future generations that will actively use the corridor will view transportation and mobility?

Linda Alvarado-  
Vela, Poznecki-  
Camarillo, Inc.

That is a great point. We will look into holding a potential pop-up event at a high school. What we are seeing with the input we've received thus far from the older generation is that many people own their homes along the corridor. However, this may not be indicative of future corridor users.

Jami Engel, YMCA  
at O.P. Schnabel

The statistics from the online survey show that the highest representation of respondents was from the higher age bracket. We aren't getting sufficient input from millennials or the younger generation. How are you reaching out to them?

Chad Gardiner,  
Half Associates

We are strategizing ways to outreach to the younger generation, such as creating YouTube videos, using geofencing technology that uses smartphone applications, and other non-traditional outreach methods.

Mayor Chris Riley,  
City of Leon Valley

Will the project consider the potential for driverless cars in the future? Driverless cars could impact the long-term planning for the corridor.



Kathy Hill, Leon Valley Historical Society

We need to look into ways to change people's commuting habits. Right now, I always see just one person per car. Also, in the morning, I almost always see empty school buses because parents are driving their kids to school. What can we do to encourage people to change their behaviors? I think this would have a more immediate impact to the congestion issue.

Jay Loudon, Work5hop

Our analysis will help us identify patterns that we can then use to identify ways to incentivize people into other modes of transportation.

Clayon Ripps, TxDOT

As Jay mentioned, the solution will need to be a systemic effort. For instance, residents within two miles of the high school cannot currently use the bus. We would need policies in place to prohibit this restriction to help with the solution. Also, social engineering does take time. At some point, congestion becomes so bad that people begin considering other alternatives.

Scott Stewart, Scenic Hills Seventh-Day Adventist Church

In the past, some companies started using their own shuttles to transport their employees. We need to get bigger employers in the area to buy into an idea like this.

Linda Alvarado-Vela, Poznecki-Camarillo, Inc.

The AAMPO does have a new program called "Alamo Commutes" that targets large employers and encourages them to utilize carpooling, shuttles, buses, and walking. The AAMPO is actively looking into this, including current discussions with the Medical Center.

Clayon Ripps, TxDOT

About three to four years ago, there was a project for USAA where we analyzed travel parking demands and interviewed the hospitals. The interesting thing is hospitals currently do not offer a lot. Also, hospital shifts are universally from 7:00 a.m. to 7:00 p.m. If shifts were staggered an hour earlier, this could significantly change traffic along the corridor.

## 7. Comments

One comment form was received at the meeting, which is included in **Appendix E**.





# PLANNING TEAM

SH 16 (Bandera Road) from I-410 to Loop 1604  
CSJs 0291-10-099, 0291-10-100

No.	Organization/ Business	Sal.	First Name	Last Name	Title	Email	Phone	Meeting #1	Meeting #2
1	Ancira-Winton Chevrolet	Mr.	Ernesto	Ancira, Jr.	Property Owner				
2	Ancira-Winton Chevrolet	Mr.	Darrell	Dixon	Property Owner			ATTENDED	ATTENDED
3	Anne Frank Inspire Academy	Dr.	Nino A.	Etienne	Head of School				
4	Anne Frank Inspire Academy	Mr.	Justin	Johnston					
5	Bandera Bowling Center	Ms.	Michelle	Blair	Manager				
6	Bandera Bowling Center	Mr.	Steve	Ruiz	Co-GM				
7	Bexar County Economic & Community Development	Ms.	David	Marquez	Executive Director				
8	Braun Oaks HOA	Mr.	Daniel	Baird	President				ATTENDED
9	Camino Bandera HOA	Mr.	Greg	Heaton					
10	Camino Bandera HOA	Mr.	Rodney	Herrera	Management Company Representative				
11	Car-Vel Skate Center Leon Valley	Ms.	Koprecia	Forsyth	Owner				
12	City Church Bandera Road				Property Owner				
13	City of Leon Valley	Mr.	Brandon	Melland				ATTENDED	ATTENDED
14	City of Leon Valley	Mayor	Chris	Riley				ATTENDED	ATTENDED
15	City of Leon Valley, Fire Department	Mr.	Michael	Naughton	Fire Chief				
16	City of Leon Valley, Fire Department		L.	Martin					
17	City of Leon Valley, Police Department	Mr.	Joseph	Salvaggio	Police Chief			ATTENDED	
18	City of San Antonio District 6	Mr.	Natalie	Garza	Chief of Staff			ATTENDED	
19	City of San Antonio, District 6	Mr.	Mario	Hune					
20	City of San Antonio District 7	Ms.	Erica	de Luna					ATTENDED
21	City of San Antonio District 7	Ms.	Bianca	Maldonado	Chief of Policy and Communications			ATTENDED	
22	City of San Antonio, Council District 7	Councilwoman	Ana	Sandoval				ATTENDED	
23	City of San Antonio District 8	Ms.	Laura	Garza	District Director				
24	CJC Life Church	Ms.	Diana	Sundar	Operations Lead				
25	Cripple Creek HOA	Mr.	Peter	Greenburg					
26	The Episcopal Church of the Holy Spirit	Mr.	Alfredo	Uvalle				ATTENDED	ATTENDED
27	The Episcopal Church of the Holy Spirit	Ms.	Norma	Uvalle				ATTENDED	ATTENDED
28	H-E-B	Ms.	Yvonne	Maldonado	Property Owner				
29	Henry's Puffy Tacos	Mr.	Jaime	Lopez				ATTENDED	
30	Henry's Puffy Tacos	Ms.	Imelda	Lopez-Sanchez	Vice President			ATTENDED	
31	Leon Valley Economic Development/ Community Development Advisory Committee	Dr.	Geraldine	Rodriguez-Smith	Chair				ATTENDED
32	Leon Valley Historical Society	Mr.	Mark	Eisenhauer	President			ATTENDED	
33	Leon Valley Historical Society	Ms.	Kathy	Hill	Director			ATTENDED	ATTENDED
34	Northside ISD Police Department		Charles	Carnes				ATTENDED	
35	Northside ISD Police Department	Lt.	Kelley	Fryar				ATTENDED	ATTENDED
36	Northside Learning Center	Ms.	Sally	Kronenthal	Secretary				
37	Northwest Little League	Mr.	David	Hinebaugh	President				
38	Northwest San Antonio Chamber of Commerce	Mr.	Bill	Gerlt	President				



# PLANNING TEAM

SH 16 (Bandera Road) from I-410 to Loop 1604  
CSJs 0291-10-099, 0291-10-100

No.	Organization/ Business	Sal.	First Name	Last Name	Title	Email	Phone	Meeting #1	Meeting #2
39	Palo Blanco HOA	Ms.	Ana	Rodriguez					
40	Pavona Place	Mr.	Tommy	Branson	Vice President			ATTENDED	
41	Prince of Peace Catholic Church	Ms.	Marybel	Peters	Business Manager			ATTENDED	
42	Rainbow Gardens	Mr.	Marshall	Grell	Store Manager				
43	The Ridge at Leon Valley	Mr.	Cindia	Turk					
44	The Ridge at Leon Valley	Mr.	Jesus	de Luna				ATTENDED	
45	Sagewood HOA	Ms.	Michele	Debs	President				
46	San Antonio Aquarium	Mr.	Rick	Morante	General Manager				
47	San Antonio Chamber of Commerce	Mr.	Richard	Perez	President & CEO				
48	San Antonio Chamber of Commerce								
49	San Antonio Economic Development Foundation	Ms.	Jenna	Saucedo-Herrera	President & CEO				
50	San Antonio Fire Department	Mr.	Charles N.	Hood	Fire Chief				
51	San Antonio Hispanic Chamber of Commerce	Ms.	Diane	Sanchez	President & CEO				
52	San Antonio Housing Authority	Mr.	David	Nisivoccia	President & CEO				
53	San Antonio Mobility Coalition, Inc.	Ms.	Leslie	Harlan	Sr. VP - Administration				
54	San Antonio Office of Emergency Management	Mr.	Patrick	Zepeda	Emergency Management Coordinator				
55	San Antonio Parks & Recreation	Mr.	Tony	Forshage				ATTENDED	
56	San Antonio Parks & Recreation	Ms.	Sandy	Jenkins	Park Projects Manager				
57	San Antonio Police Department	Mr.	William	McManus	Police Chief				
58	San Antonio Police Department								
59	San Antonio Public Library	Mr.	Ramiro	Salazar	Library Director				
60	San Antonio River Authority	Mr.	Brandon	Herman				added to roster after	
61	San Antonio River Authority	Ms.	Hillary	Lilly	Government Relations			added to roster after	
62	Scenic Hills Seventh-Day Adventist Church	Mr.	Scott	Stewart	Facility Manager			ATTENDED	ATTENDED
63	Seneca West Neighborhood	Ms.	Linda	Barker				ATTENDED	
64	Shadow Mist HOA	Ms.	Donna	Charles				ATTENDED	
65	Stanton Run HOA		Louis	Barton	President				
66	Target		Oscar	Hernandez	Store Manager				
67	Thunderbird Hills	Mr.	John	Bustos					
68	USPS								
69	Verde Hills HOA	Mr.	Rick	Stagers					
70	Walmart	Mrs.			Property Owner				
71	YMCA at O.P. Schnable Park	Ms.	Jami	Engel	Executive Director			ATTENDED	ATTENDED



# PLANNING TEAM

SH 16 (Bandera Road) from I-410 to Loop 1604  
CSJs 0291-10-099, 0291-10-100

No.	Organization/ Business	Sal.	First Name	Last Name	Title	Email	Phone	Meeting #1	Meeting #2
Project Team:									
1	Alliance Transportation Group, Inc.	Mr.	Bill	Loudon				ATTENDED	
2	Alliance Transportation Group, Inc.	Mr.	Michael	Wagoner				ATTENDED	
3	City of San Antonio, Planning Department	Ms.	Iris	Gonzalez					ATTENDED
4	City of San Antonio, Planning Department	Mr.	Rudy	Nino, Jr.				ATTENDED	
5	City of San Antonio, Planning Department	Ms.	Sidra	Schimelpfening				ATTENDED	ATTENDED
6	City of San Antonio, Planning Department	Ms.	Ana	Villarreal					ATTENDED
7	City of San Antonio, Planning Department	Ms.	Kayla	Villarreal					
8	Halff Associates	Mr.	Matt	Bucchin				ATTENDED	
9	Halff Associates	Mr.	Chad	Gardiner				ATTENDED	ATTENDED
10	Halff Associates	Ms.	Maria	Guerra				ATTENDED	ATTENDED
11	Halff Associates	Mr.	Kevin	Lipnicky				ATTENDED	
12	Halff Associates	Mr.	Abdulwahid	Mohammed					ATTENDED
13	Poznecki-Camarillo, Inc.	Ms.	Lena	Camarillo				ATTENDED	ATTENDED
14	Poznecki-Camarillo, Inc.	Ms.	Jackie	Lopez				ATTENDED	ATTENDED
15	Poznecki-Camarillo, Inc.	Ms.	Linda	Vela					ATTENDED
16	Texas Department of Transportation	Mr.	Jonathan	Bean				ATTENDED	
17	Texas Department of Transportation	Ms.	Ivonne	De La Rosa					ATTENDED
18	Texas Department of Transportation	Mr.	Fernando	Flores					ATTENDED
19	Texas Department of Transportation	Ms.	Laura	Lopez					
20	Texas Department of Transportation	Ms.	Amy	Redmond					ATTENDED
21	Texas Department of Transportation	Mr.	Clayton	Ripps				ATTENDED	ATTENDED
22	Work5hop	Mr.	Jay	Louden				ATTENDED	ATTENDED





# YOU'RE INVITED!

You are invited to the second Planning Team Meeting for SH 16 (Bandera Road) from I-410 to Loop 1604!

## PLANNING TEAM MEETING #2

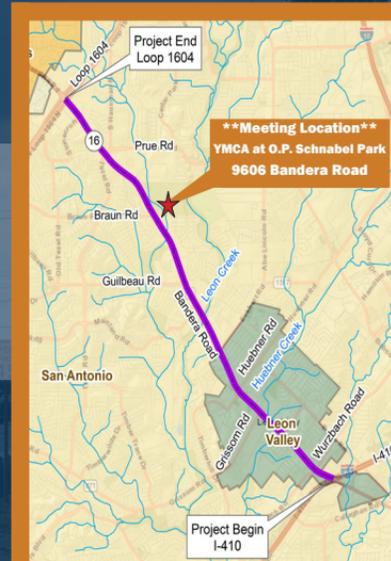
September 18, 2019; 6:30-8:30 p.m.

YMCA at O.P. Schnabel Park  
9606 Bandera Road  
San Antonio, TX 78250



If you're not able to attend in-person,  
join at: <http://bit.ly/2lvnCBd>

*If joining the meeting from your mobile device, please  
download the WebEx Meet app.*



Learn more about the project at [txdot.gov](http://txdot.gov), keywords "SH 16 (Bandera Road) from I-410 to Loop 1604".

Information on the City of San Antonio's Bandera Road Corridor Plan is available at: <https://bit.ly/2UeQYAT>

**Please RSVP to Sarah Washington at [BanderaRoad@pozcam.com](mailto:BanderaRoad@pozcam.com) or call (210) 349-3273 by Friday, September 13, 2019.**

*The environmental review, consultation, and other actions required by applicable Federal environmental laws for this project are being, or have been, carried out by TxDOT pursuant to 23 U.S.C. 327 and a Memorandum of Understanding dated December 16, 2014, and executed by FHWA and TxDOT.*



Texas Department of Transportation  
4615 NW Loop 410  
San Antonio, Texas 78229-5126

## ABOUT THE PLANNING TEAM

**The Planning Team includes major businesses, neighborhood associations, and other groups from the SH 16 (Bandera Road) corridor, who will be tasked with providing feedback and relaying project information to their organizations.**

*TxDOT makes every reasonable effort to accommodate the needs of the public. The meeting will be in English; if you have a special communication accommodation or need for an interpreter, a request can be made. If you have a disability and need assistance, special arrangements can also be made to accommodate most needs. Please call (210) 349-3273 at least two days prior to the meeting.*



---

**From:** Bandera Road  
**Sent:** Wednesday, September 4, 2019 1:43 PM  
**To:** Bandera Road  
**Subject:** September 18 Bandera Road Planning Team Meeting Invitation

Dear Planning Team Member:

The Texas Department of Transportation (TxDOT), in partnership with the City of San Antonio and Leon Valley, invites you to the second Planning Team Meeting for our study of SH 16 (Bandera Road) between I-410 and Loop 1604, within the cities of Leon Valley and San Antonio. As you may recall, the City of San Antonio is simultaneously developing the Bandera Road Corridor Plan within the same project limits. TxDOT and the City held the first Planning Team meeting back in May 2019, which was attended by a total of 17 individuals representing 14 organizations. We hope you will consider joining us at the upcoming Planning Team Meeting #2 where you'll be able to receive and provide information on both efforts. The next Planning Team Meeting will take place on:

**September 18, 2019**  
**6:30-8:30 p.m.**  
**YMCA at O.P. Schnabel Park**  
**9606 Bandera Road**  
**San Antonio, TX 78250**

**\*You can also join online the day of the meeting at:**

<https://meetings.half.com/orion/joinmeeting.do?MTID=995990e4bf0b97f60c928f435cd2ed39>

*If joining the meeting from your mobile device, please download the WebEx Meet app.*

The Planning Team includes major businesses, neighborhood associations, and other organizations from the SH 16 (Bandera Road) corridor. Feedback from the Planning Team is helping to inform the planning process for both the TxDOT project and the City of San Antonio's Corridor Plan. Planning Team members will be tasked with providing feedback and relaying project information back to their respective organizations.

Please contact Sarah Washington at [BanderaRoad@pozcam.com](mailto:BanderaRoad@pozcam.com) or (210) 349-3273 by Friday, September 13, 2019 to confirm your attendance at this meeting.

Special Accommodations: TxDOT makes every reasonable effort to accommodate the needs of the public. The meeting will be in English; if you have a special communication accommodation or need for an interpreter, a request can be made. If you have a disability and need assistance, special arrangements can also be made to accommodate most needs. Please call (210) 349-3273 at least two days prior to the meeting for special accommodation requests.

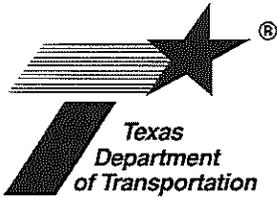
For more information on the SH 16 (Bandera Road) Project, please visit our project webpage by [clicking here](#). Information on the City of San Antonio's Bandera Road Corridor Plan is [available here](#).

Thank you,

SH 16 (Bandera Road) Project Team







# PLANNING TEAM SIGN-IN SHEET

## SH 16 (Bandera Road) Project

Planning Team Meeting #2

September 18, 2019 | 6:00 - 7:30 p.m.

YMCA at O.P. Schnabel Park

FIRST NAME	LAST NAME	ORGANIZATION	EMAIL	INITIALS
Ernesto	Ancira, Jr.	Ancira-Winton Chevrolet		
Darrell	Dixon	Ancira-Winton Chevrolet		
Justin	Johnston	Anne Frank Inspire Academy		
Nino A.	Etienne	Anne Frank Inspire Academy		
Michelle	Blair	Bandera Bowling Center		
Steve	Ruiz	Bandera Bowling Center		
David	Marquez	Bexar County Economic & Community Development		
Dan	Baird	Braun Oaks HOA		
Greg	Heaton	Camino Bandera HOA		
Rodney	Herrera	Camino Bandera HOA		
Koprecia	Forsyth	Car-Vel Skate Center Leon Valley		
		City Church Bandera Road		





# PLANNING TEAM SIGN-IN SHEET

## SH 16 (Bandera Road) Project

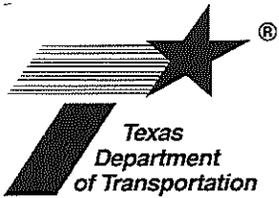
Planning Team Meeting #2

September 18, 2019 | 6:00 – 7:30 p.m.

YMCA at O.P. Schnabel Park

FIRST NAME	LAST NAME	ORGANIZATION	EMAIL	INITIALS
Michael	Naughton	City of Leon Valley, Fire Department		
Joseph	Salvaggio	City of Leon Valley, Police Department		
Diana	Sundar	CJC Life Church		
Peter	Greenburg	Cripple Creek HOA		
Alfredo	Uvalle	The Episcopal Church of the Holy Spirit		<i>Fa</i>
Norma	Uvalle	The Episcopal Church of the Holy Spirit		<i>nu</i>
Yvonne	Maldonado	H-E-B		
Imelda	Lopez-Sanchez	Henry's Puffy Tacos		
Geraldine	Rodriguez-Smith	Leon Valley Economic Development/Community Development Advisory Committee		<i>GS</i>
Mark	Eisenhauer	Leon Valley Historical Society		
Kathy	Hill	Leon Valley Historical Society		<i>KH</i>
Charles	Carnes	Northside ISD Police Department		





# PLANNING TEAM SIGN-IN SHEET

## SH 16 (Bandera Road) Project

Planning Team Meeting #2

September 18, 2019 | 6:00 – 7:30 p.m.

YMCA at O.P. Schnabel Park

FIRST NAME	LAST NAME	ORGANIZATION	EMAIL	INITIALS
Lt. Kelley	Fryar	Northside ISD Police Department		
Sally	Kronenthal	Northside Learning Center		
David	Hinebaugh	Northwest Little League		
Bill	Gerit	Northwest San Antonio Chamber of Commerce		
Ana	Rodriguez	Palo Blanco HOA		
Tommy	Branson	Pavona Place HOA		
Marybel	Peters	Prince of Peace Catholic Church		
Marshall	Grell	Rainbow Gardens		
Cindia	Turk	The Ridge at Leon Valley		
Michele	Debs	Sagewood ROA		
Rick	Morante	San Antonio Aquarium		
Richard	Perez	San Antonio Chamber of Commerce		





# PLANNING TEAM SIGN-IN SHEET

## SH 16 (Bandera Road) Project

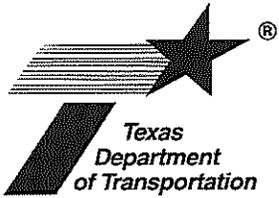
Planning Team Meeting #2

September 18, 2019 | 6:00 – 7:30 p.m.

YMCA at O.P. Schnabel Park

FIRST NAME	LAST NAME	ORGANIZATION	EMAIL	INITIALS
Jenna	Saucedo-Herrera	San Antonio Economic Development Foundation		
Charles N.	Hood	San Antonio Fire Department		
Diane	Sanchez	San Antonio Hispanic Chamber of Commerce		
David	Nisivoccia	San Antonio Housing Authority		
Leslie	Harlan	San Antonio Mobility Coalition, Inc		
Patrick	Zepeda	San Antonio Office of Emergency Management		
Sandy	Jenkins	San Antonio Parks & Recreation		
William	McManus	San Antonio Police Department		
Ramiro	Salazar	San Antonio Public Library		
Scott	Stewart	Scenic Hills Seventh-Day Adventist Church		CLS SLS
Linda	Barker	Seneca West Neighborhood		
Donna	Charles	Shadow Mist HOA		





# PLANNING TEAM SIGN-IN SHEET

## SH 16 (Bandera Road) Project

Planning Team Meeting #2

September 18, 2019 | 6:00 – 7:30 p.m.

YMCA at O.P. Schnabel Park

FIRST NAME	LAST NAME	ORGANIZATION	EMAIL	INITIALS
		Stanton Run HOA		
		Target		
John	Bustos	Thunderbird Hills		
		USPS		
Rick	Stagers	Verde Hills HOA		
		Walmart		
Jami	Engel	YMCA at O.P. Schnabel Park		<i>JPE</i>





# SIGN-IN SHEET

**SH 16 (Bandera Road) Project**  
Planning Team Meeting #2  
September 18, 2019 | 6:00 – 7:30 p.m.  
YMCA at O.P. Schnabel Park

FIRST NAME	LAST NAME	ORGANIZATION	EMAIL	PHONE
Erica	De Luna	Ana Schnobal D.7		
Ana	Villanreal	CoSA- Planning		
Iris	Gonzalez	CoSA Planning		





# PROJECT TEAM SIGN-IN SHEET

## SH 16 (Bandera Road) Project

Planning Team Meeting #2

September 18, 2019 | 6:00 – 7:30 p.m.

YMCA at O.P. Schnabel Park

FIRST NAME	LAST NAME	ORGANIZATION	EMAIL	INITIALS
Bill	Loudon	Alliance Transportation Group, Inc.		
Michael	Wagoner	Alliance Transportation Group, Inc.		
Brandon	Melland	City of Leon Valley		BM
Chris	Riley	City of Leon Valley, Mayor		CR
Mario	Hune	City of San Antonio District 6		
Ana	Sandoval	City of San Antonio District 7, Councilwoman		
Bianca	Maldonado	City of San Antonio District 7		
Laura	Garza	City of San Antonio District 8		
Rudy	Nino, Jr.	City of San Antonio, Planning Department		
Sidra	Schimelpfening	City of San Antonio, Planning Department		SS
Matt	Bucchin	Halff Associates, Inc.		
Chad	Gardiner	Halff Associates, Inc.		CG

Abdulwahid Mohammed

Halff Associates

AM



FIRST NAME	LAST NAME	ORGANIZATION	EMAIL	INITIALS
Maria	Guerra	Halff Associates, Inc.		MFG
Kevin	Lipnicky	Halff Associates, Inc.		
Lena	Camarillo	Poznecki-Camarillo, Inc.		U
Jackie	Lopez	Poznecki-Camarillo, Inc.		JL
Linda	Vela, AICP	Poznecki-Camarillo, Inc.		
Jonathan	Bean	Texas Department of Transportation		
Fernando	Flores, P.E.	Texas Department of Transportation		F.F.
Laura	Lopez	Texas Department of Transportation		
Amy	Redmond	Texas Department of Transportation		AR
Clayton	Ripps	Texas Department of Transportation		ER
Jay Wonne	Louder De La Rosa	Workshop TXDOT		<del>W</del> WR







# SH 16 (BANDERA ROAD) I-410 TO LOOP 1604

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Planning Team Meeting #2

September 18, 2019

# Agenda

<b>1</b>	Introductions & Online Participants	3-4
<b>2</b>	Project Limits	5
<b>3</b>	Planning Team Meeting #1 & Survey Summary	6-8
<b>4</b>	TxDOT SH 16 (Bandera Road) Study Update	9-20
<b>5</b>	City of San Antonio Bandera Road Corridor Plan Update	21-36
<b>6</b>	Planning Team Feedback	37
<b>7</b>	Contact Information	38

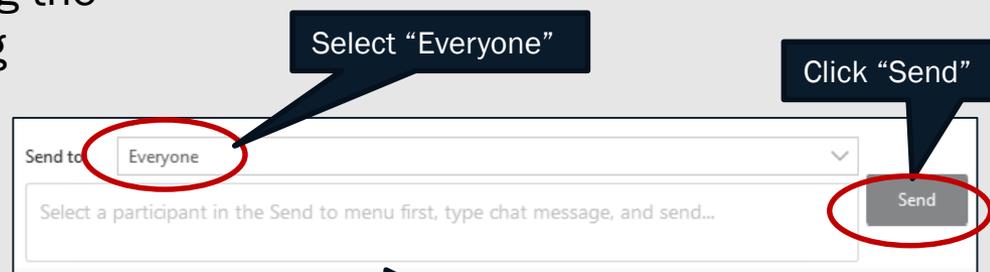
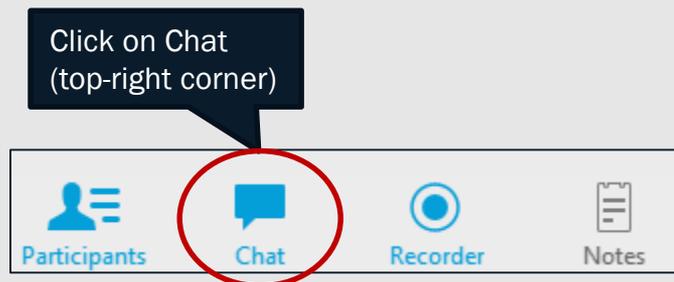
# Introductions

- Planning Team
- SH 16 (Bandera Road) Project – TxDOT Team
- Bandera Road Corridor Plan – City of San Antonio Team



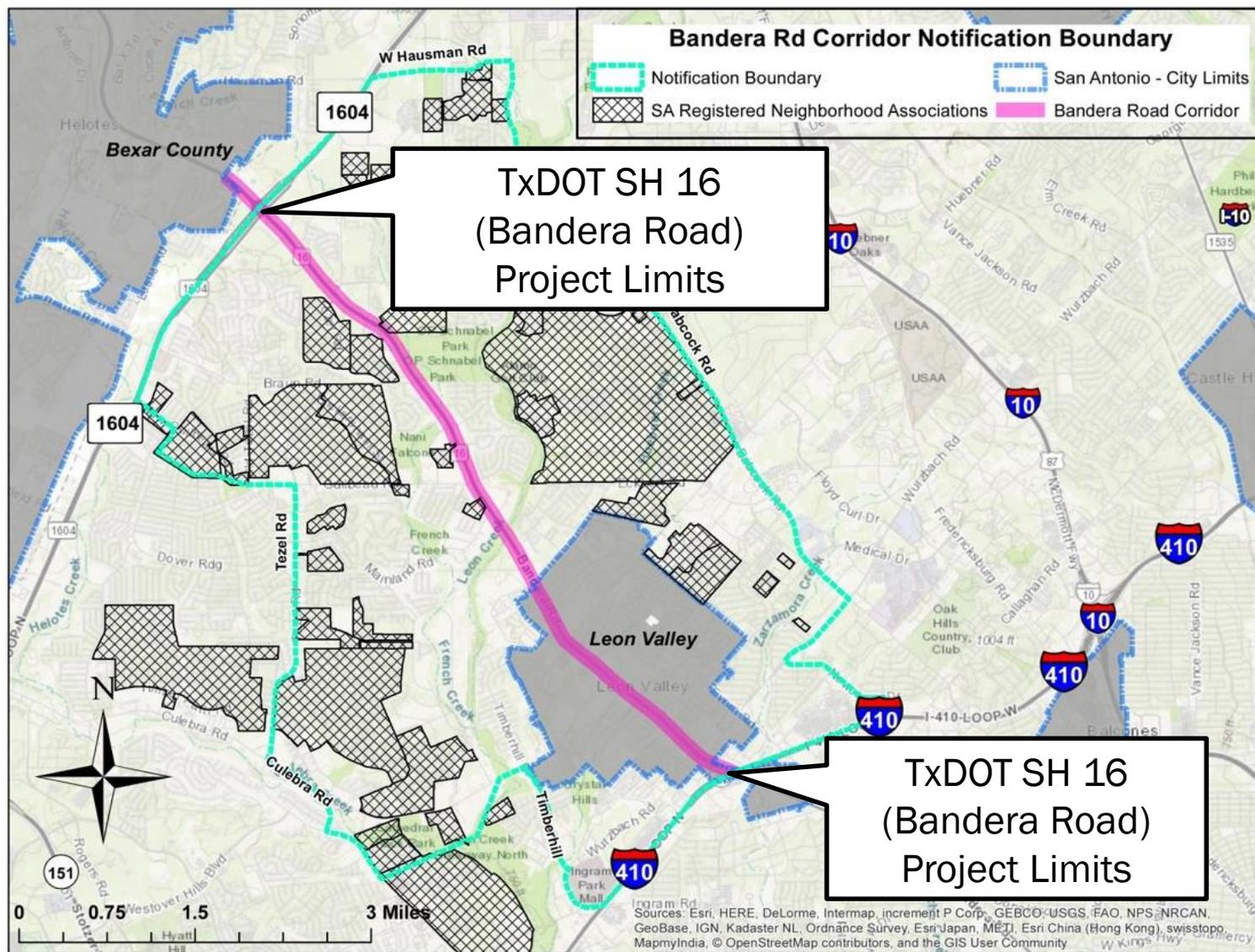
# Online Participants

- Please **mute your phones** (to minimize noise)
- Use **WebEx Chat Box** to participate
  - Click on Chat icon; type comment
  - Type your name, organization and email address in chat box
  - Questions/comments will be monitored
    - Responses will be provided during the discussion portion of the meeting



- **Troubleshooting**
  - Recommended web browsers: Mozilla Firefox, Internet Explorer, Google Chrome
    - Microsoft Edge may have issues with online portion of meeting
  - Mobile users: if you become disconnected, you may call back in

# Project Limits



# Planning Team Meeting #1 Summary

- Occurred on Monday, May 20, 2019
- 17 Planning Team members from 14 organizations attended
- Meeting Summary
  - Two studies being conducted simultaneously
    - City of San Antonio Corridor Plan Study
    - TxDOT SH 16 (Bandera Road) Study
  - Discussed TxDOT study efforts for:
    - Community outreach and survey
    - Origin & Destination (O-D) data study
    - Crash data analysis



# Planning Team Meeting #1 Summary

## Team Member Feedback

Intersections are dangerous  
Need more right turn lanes  
Synchronize the signals better

Consider improvements to the  
intersecting and parallel roads

Look at the boulevard concept

Expand outreach and seek input from  
the younger generation, neighborhoods,  
etc.

## Study Team Reaction

- Crash data analysis
- Build concepts to study intersection improvements

- Perform Origin & Destination studies
- Look at street network connectivity

- Build concepts to study boulevard option

- Utilize online tools such as online meetings, informational videos, surveys, and advertisements

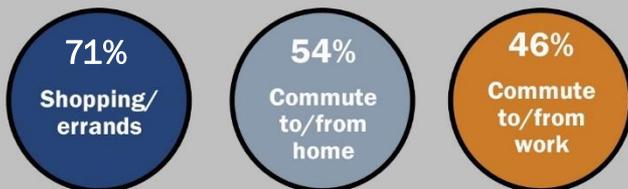
# YOUR FEEDBACK IS IMPORTANT!

# Community Outreach – Survey Summary

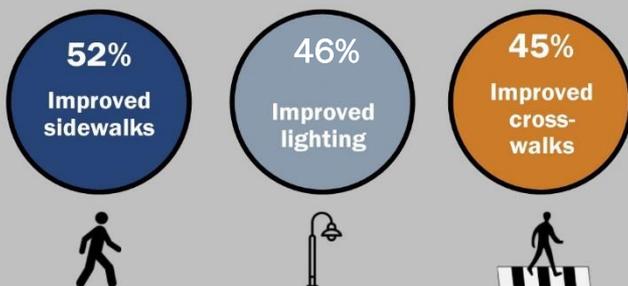
## Final Survey Results

- Available online from February 12 to May 31, 2019
- 885 individuals completed the survey

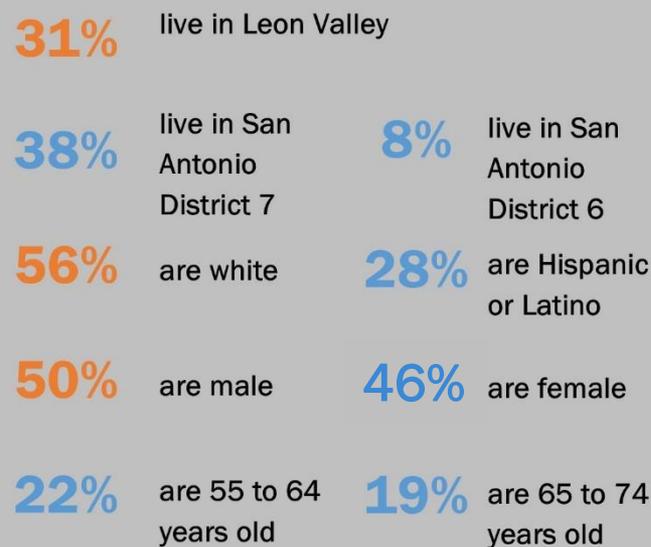
When asked what their primary reason for traveling within the corridor, respondents said:



When asked what design features they would like to see within the corridor, respondents said:

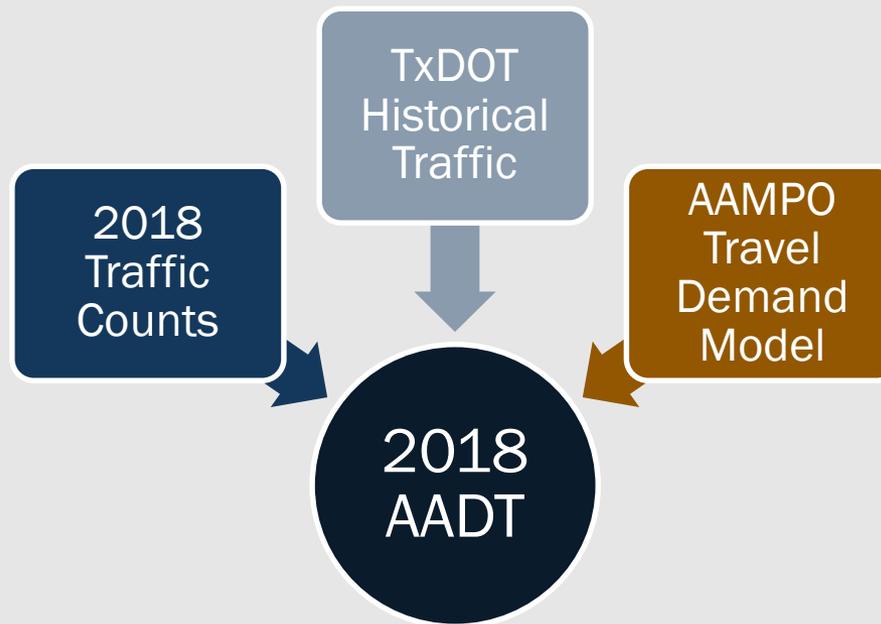


When asked to rank their priorities for the SH 16 (Bandera Road) Project, respondents said their top priorities are:



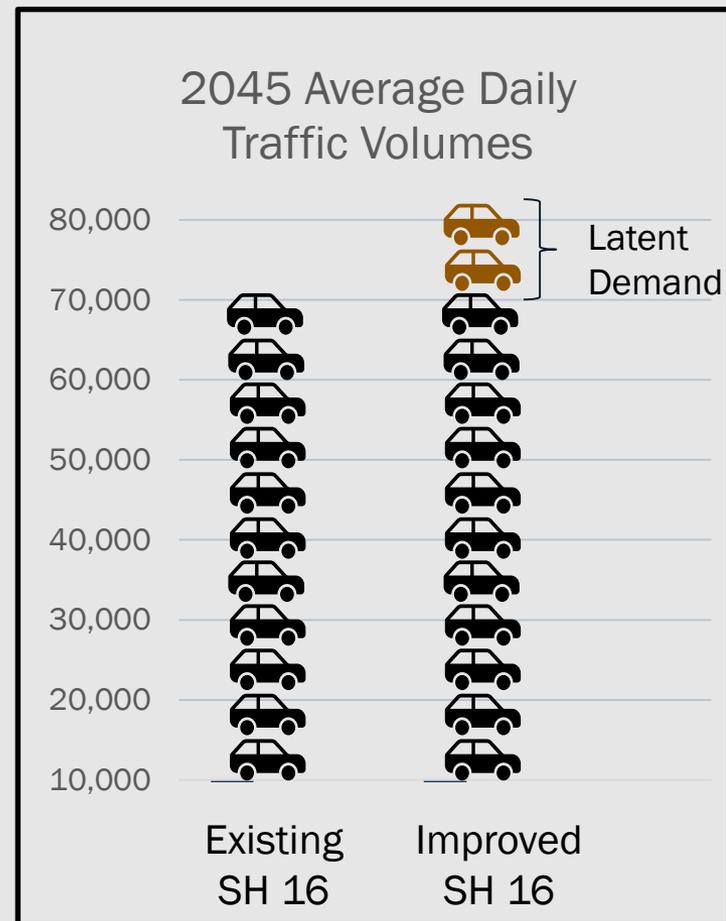
# 2018 Daily Volumes

- 2018 Annual Average Daily Traffic (AADT) volumes completed
  - 2018 traffic counts were calibrated utilizing historical TxDOT traffic counts to ensure volumes are representative of typical conditions
  - 2018 traffic incorporates recently completed SH 16/LP 1604 Displaced Left-Turn
- 2018 AADT volumes vary from approximately 30,000 to 72,000 vehicles per day

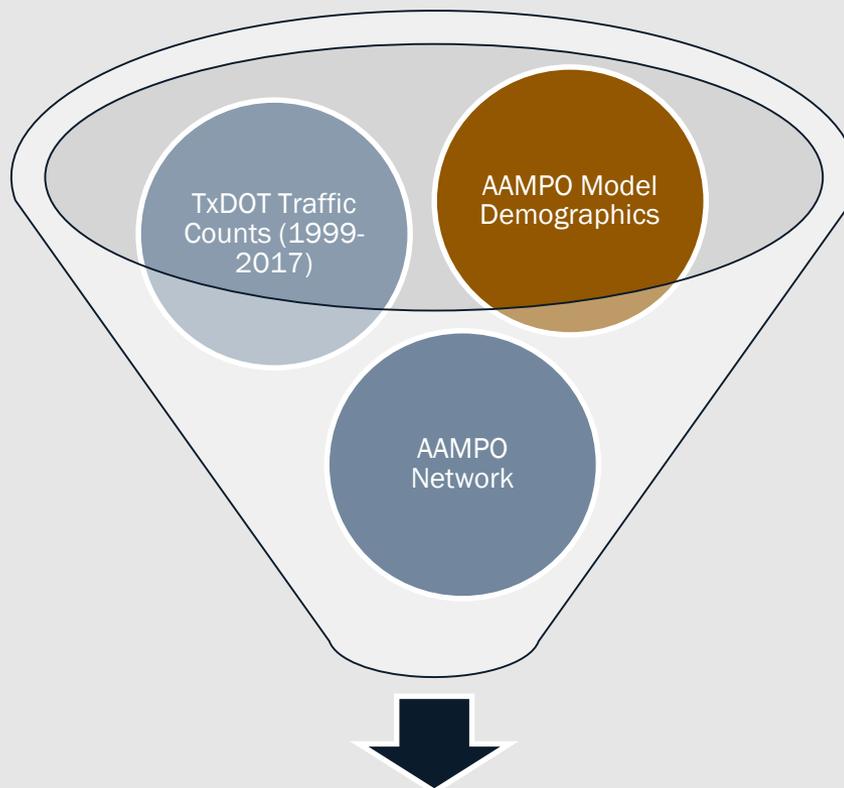


# Projected Growth – Potential Latent Demand

- What is Latent Demand?
  - Demand exceeds capacity
  - Existing condition  
Because existing SH 16 is over capacity, some commuters utilize nearby streets and “cut-through” routes (parking lots, neighborhoods, etc.)
  - After Improving SH 16  
Added capacity would provide more commuters within the study area access to SH 16
- AAMPO 2045 Travel Demand Model utilized to analyze potential latent demand scenarios
  - An additional 14,000 vehicles/day (average) are anticipated to use SH 16
  - Equivalent to about one lane of traffic/direction



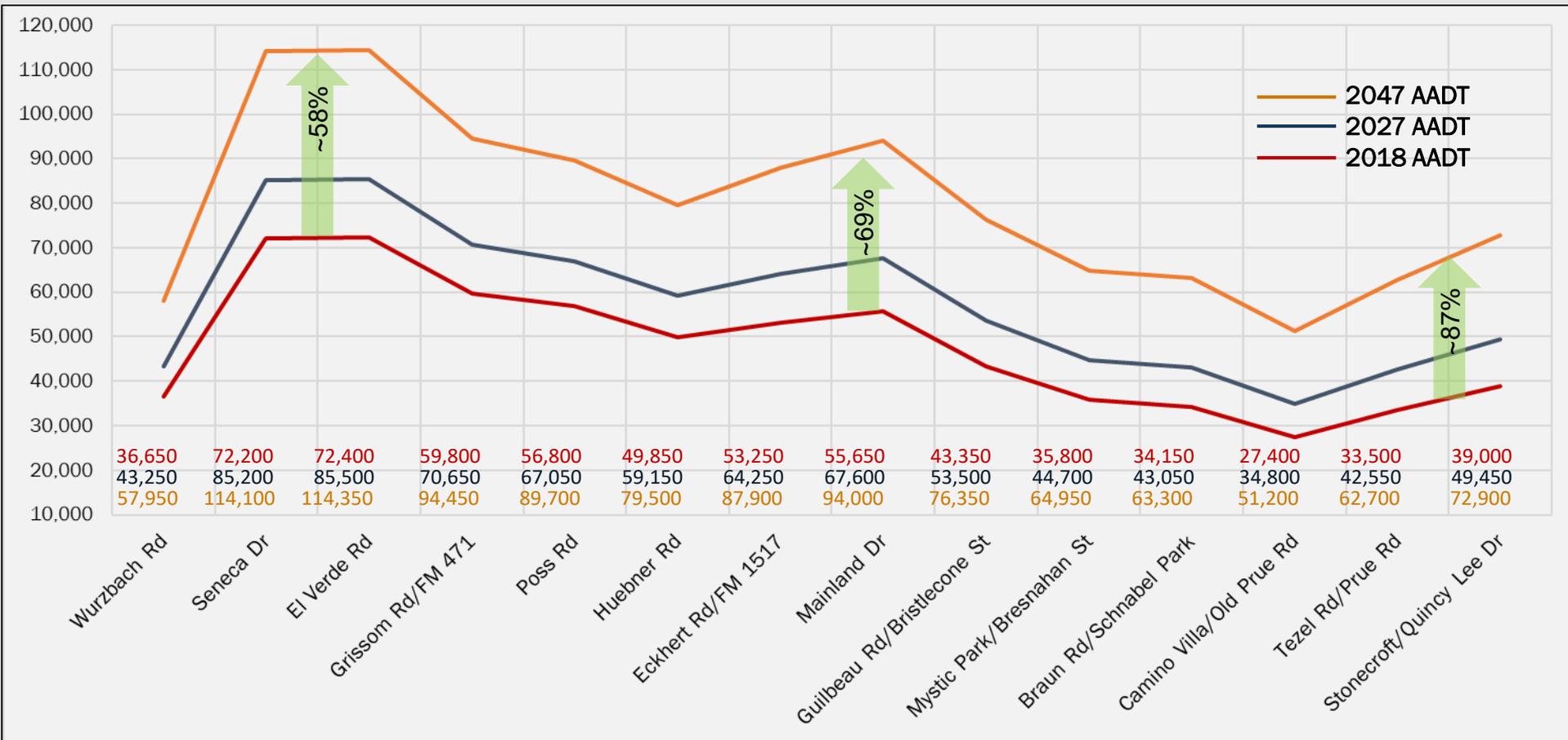
# Projected Growth – Annual Growth Rates



Location	Recommended Annual Average Growth Rate
Along SH 16 (Bandera Road)	Years 2018 - 2047
I-410 to Guilbeau Road	2.0% per year
Guilbeau Road to Loop 1604	3.0% per year

# Project Growth – Daily Traffic Volumes

## SH 16 (Bandera Road) No-Build Traffic AADT Volumes (vehicles per day)



# Traffic Modeling: Existing Conditions

Develop traffic model for the existing condition

```
graph TD; A[Develop traffic model for the existing condition] --> B[Analyze AM/PM peak periods (multiple hours)]; B --> C[Apply Origin-Destination (O-D) data to the AM/PM peak periods]; C --> D[Develop Peak Period Demand Volumes and Calibrate the Existing Model]; D --> E[Apply O-D data and calibration to proposed build concepts to identify operational impacts];
```

Analyze AM/PM peak periods (multiple hours)

Apply Origin-Destination (O-D) data to the AM/PM peak periods

Develop Peak Period Demand Volumes and Calibrate the Existing Model

Apply O-D data and calibration to proposed build concepts to identify operational impacts

# Origin & Destination (O-D) Analysis – Data Sources

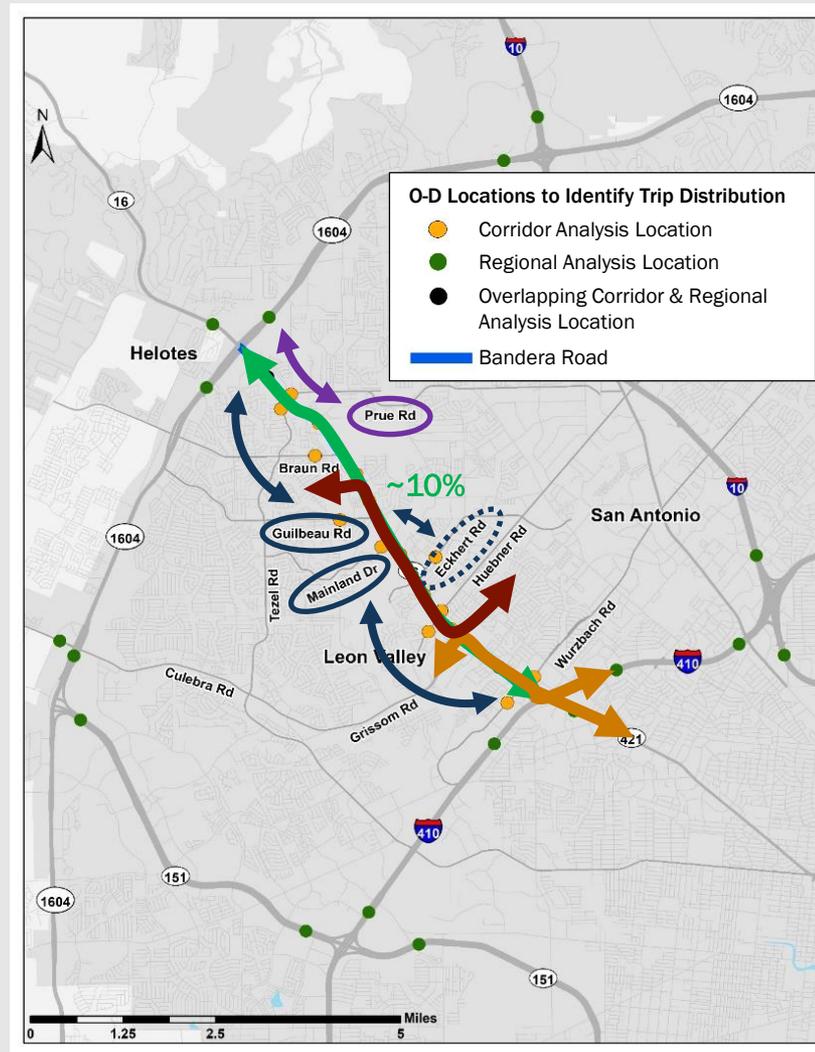
 <b>Bluetooth</b>	 <b>STREETLIGHT DATA</b> Big Data for Mobility	 <b>Travel Demand Model</b>
<ul style="list-style-type: none"><li>▪ Uses temporary data collection devices</li><li>▪ Collects data as Bluetooth-enabled devices pass by, representing a sampling of trips that pass by the location</li></ul>	<ul style="list-style-type: none"><li>▪ Location-Based Services (LBS) data from smart-phone applications</li><li>▪ Represents a sampling of trips that pass through a defined location</li></ul>	<ul style="list-style-type: none"><li>▪ Uses 2010 Census data that has been calibrated to 2015 traffic data</li><li>▪ Models where people live and work along with the roadway network to identify travel patterns</li></ul>

*Note: The O-D data sets are captured with complete anonymity. No personal data is obtained.*

- Three independent data sources analyzed for O-D data and trip distributions
- Comparison indicates similar traffic patterns/distributions, cross-validating each source
- **\*\*New data\*\*** This extensive O-D analysis was not available for previous studies

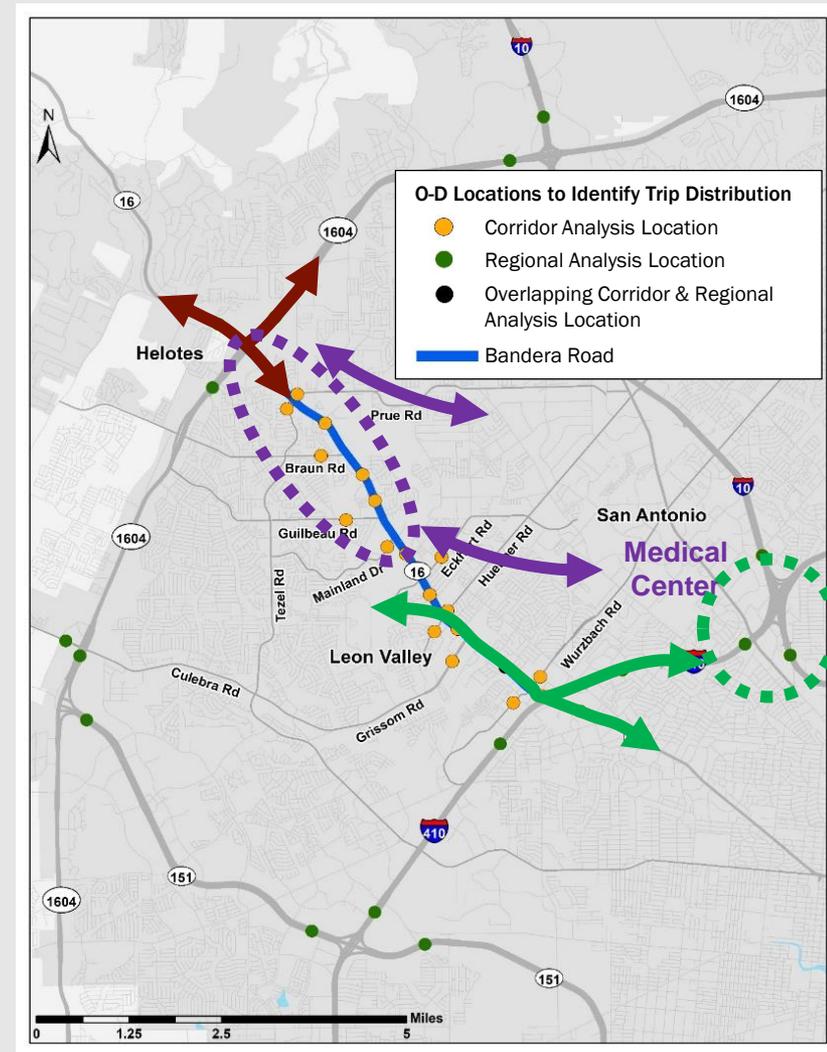
# Origin & Destination (O-D) Analysis – Corridor Trends

- Major east-west/west-east travel pattern across SH 16 from one cross-street to another
  - Combination of short and long-distance trips
- On average, ~10% of trips travel the length of the corridor between I-410 and Loop 1604
- Major travel pattern between Grissom Road, I-410 and Bandera Road to the south
- Guilbeau Road and Mainland Drive exhibit major travel patterns between Eckhert Road and the SH 16 interchanges with I-410 and Loop 1604
- Prue Road exhibits major travel patterns with Loop 1604 and SH 16 north

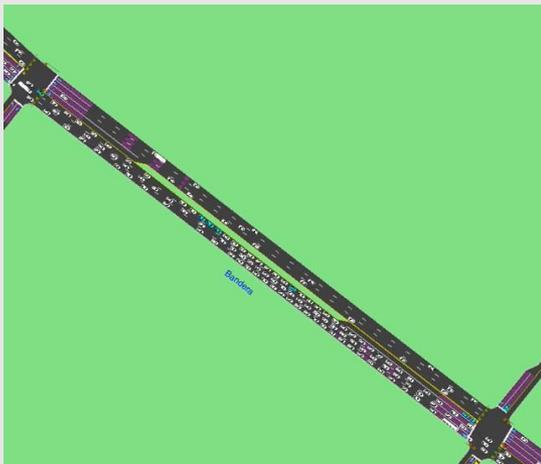


# Origin & Destination (O-D) Analysis – Regional Trends

- Major travel patterns for trips entering or exiting SH 16 at the northern project limit
  - SH 16 north of LP 1604 (largest movement)
  - LP 1604 east of SH 16
- Major travel patterns for trips entering or exiting SH 16 at the southern project limit
  - I-410 (east) & the I-10/I-410 interchange (largest movement)
    - strong interaction with the western region
  - Bandera Road south of I-410
- Majority of SH 16 trips to the medical center originate from the northern half of the corridor



# Community Engagement – Strategy



## Inform

- Fact Sheets
- Social Videos (60 seconds or less)
- Educational Video (2-3 mins)
- Newsletters
- Project Website



## Consult & Collaborate

- Task Force
- Planning Team
- Technical Work Group
- Property Owner Meetings
- Business Forums
- Open Houses/Public Meetings
- Public Hearing



## Engage

- Print/Bluetooth Ads
- Eblasts
- Social Media Toolkit
- Pop-up Events/Information Booths
- Surveys (Print/Online)
- Phone Calls

# Community Engagement – Upcoming Public Meeting #1

**COME ON BY!**

STATE HIGHWAY 16  
**BANDERA ROAD**

## Open House!

Join the Texas Department of Transportation (TxDOT), along with the cities of Leon Valley and San Antonio, at a public meeting to discuss how to improve congestion and mobility on SH 16 (Bandera Road) from I-410 to Loop 1604. The meeting will be held in an open house format, so you can stop in anytime from 6:30 p.m. to 8:30 pm. The input you provide will be used to inform the development of draft concepts and solutions for improvements to SH 16 (Bandera Road).

# DRAFT

Open House: Leon Valley | Presentation: Sanctuary

The meeting will be held in a “come and go as you please” open house format. Overview presentations will be given throughout the morning starting at:  
10:00 a.m., 10:30 a.m., 11:00 a.m., 11:30 a.m.

The environmental review, consultation, and other actions required by applicable Federal environmental laws for this project are being, or have been, carried out by TxDOT pursuant to 23 U.S.C. 327 and a Memorandum of Understanding dated December 16, 2014, and executed by FHWA and TxDOT.

**How can I get involved and stay informed?**

The best way to stay informed about the project is to email [BanderaRoad@pozcam.com](mailto:BanderaRoad@pozcam.com) to get on the project outreach list. You can also contact Laura Lopez, Public Information Officer, TxDOT San Antonio District, 210-615-5839.

Persons Interested in attending the meeting who have special communication or accommodation needs are encouraged to contact Laura Lopez at (210) 615-5839 or [Laura.Lopez@txdot.gov](mailto:Laura.Lopez@txdot.gov) at least two days prior to the meeting. Because the public meeting will be conducted in English, any requests for language interpreters or other special communication needs should also be made at least two days prior to the public meeting. TxDOT will make every reasonable effort to accommodate these needs.

SH 16 (Bandera Road) from I-410 to Loop 1604

Texas Department of Transportation | Inside TxDOT  
Projects | Projects & Studies | San Antonio District

The Texas Department of Transportation is studying potential improvements along SH 16 (Bandera Road) between I-410

## Public Meeting Potential Station Topics

- “What is a Feasibility Study?”
- Corridor History/  
Previous Studies
- Origin-Destination Data
- Traffic Data
- Crash Data
- Light Synchronization
- Bicycle/Pedestrian Facilities
- Community Feedback to Date
- “What are we missing?”  
(interactive map)
- Next Steps/Study Timeline
- Others?

# Community Engagement – Additional Outreach Tools

## Project Newsletters



**STATE HIGHWAY 16 BANDERA ROAD**

**About the SH 16 (Bandera Road) Project**

**Newsletter**  
Fall 2019

**Table of Contents:**

- About the SH 16 (Bandera Road) Project.....1
- Who's Doing What?.....2
- Feasibility Study.....3
- Traffic.....4
- Corridor History.....5
- Comprehensive Solutions....6
- What We've Heard So Far and What's Next.....7
- Contact Us.....8

**Agency Partners:**



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## Direct Mail



**Come On By!**

STATE HIGHWAY 16 BANDERA ROAD

Join the Texas Department of Transportation (TxDOT), along with the cities of Leon Valley and San Antonio, at a public meeting to discuss how to improve congestion and mobility on SH 16 (Bandera Road) from I-410 to Loop 1604.

**Open House**

**DRAFT**

City Church  
9355 Bandera Road (78250)

Open House: Video Call | Presentation: Sanctuary

The meeting will be held in a "drive and go" style where you can view the draft concepts and solutions for improvements to SH 16 (Bandera Road) from I-410 to Loop 1604.

Open House: 10:00 a.m. - 1:00 p.m. | Presentation: 11:30 a.m. - 1:30 p.m.

You can participate online by visiting [www.txdot.gov](http://www.txdot.gov) and search for keywords "SH 16 (Bandera Road) from I-410 to Loop 1604".



Texas Department of Transportation  
4615 HW Loop 410  
San Antonio, Texas 78229-6126

**How can I get involved and stay informed?**

The best way to stay informed about the project is to watch for social media posts from us to get the project outreach list. You can also contact Laura Lopez, Public Information Officer, TxDOT San Antonio, 781-931-3838.

Persons interested in attending the meeting who have special circumstances or accommodations needs are encouraged to contact Laura Lopez at (214) 615-0939 or [llopez@txdot.gov](mailto:llopez@txdot.gov) at least two days prior to the meeting. Because the public meeting will be conducted in English, any requests for language interpretation or other special communication needs should also be made at least two days prior to the public meeting. TxDOT will make every reasonable effort to accommodate these needs.

STATE HIGHWAY 16 BANDERA ROAD



## Social Media Toolkit



**STOP ON BY**

to talk with us about

**SH 16 (BANDERA ROAD)**



Traffic on #BanderaRoad got you down?  
Share your thoughts with @txdot at an open house planned for ...  
#leonvalley #sanantonio

# TxDOT Next Steps



Conduct Public Meeting  
and Business Forum

2019

4<sup>th</sup> quarter



Develop Existing  
Conditions Report

2019

4<sup>th</sup> quarter



Begin Development of  
Improvement Concepts

2020

1<sup>st</sup> quarter

*Community engagement continues throughout via pop-up meetings, social media, social videos, online surveys, and planning team/task force meetings*



# BANDERA ROAD

CORRIDOR PLAN

# Progress Update

- Kickoff meeting held 8/15 with on-site tour
- First drone flight session on 9/15, complete by October
- Public involvement coordination between design team, COSA, and TxDOT ongoing
- Data gathering for technical memoranda underway
- Data collection/assembly nearly complete
- Base mapping completed
- Analysis documentation underway



Kickoff Meeting and Site Tour



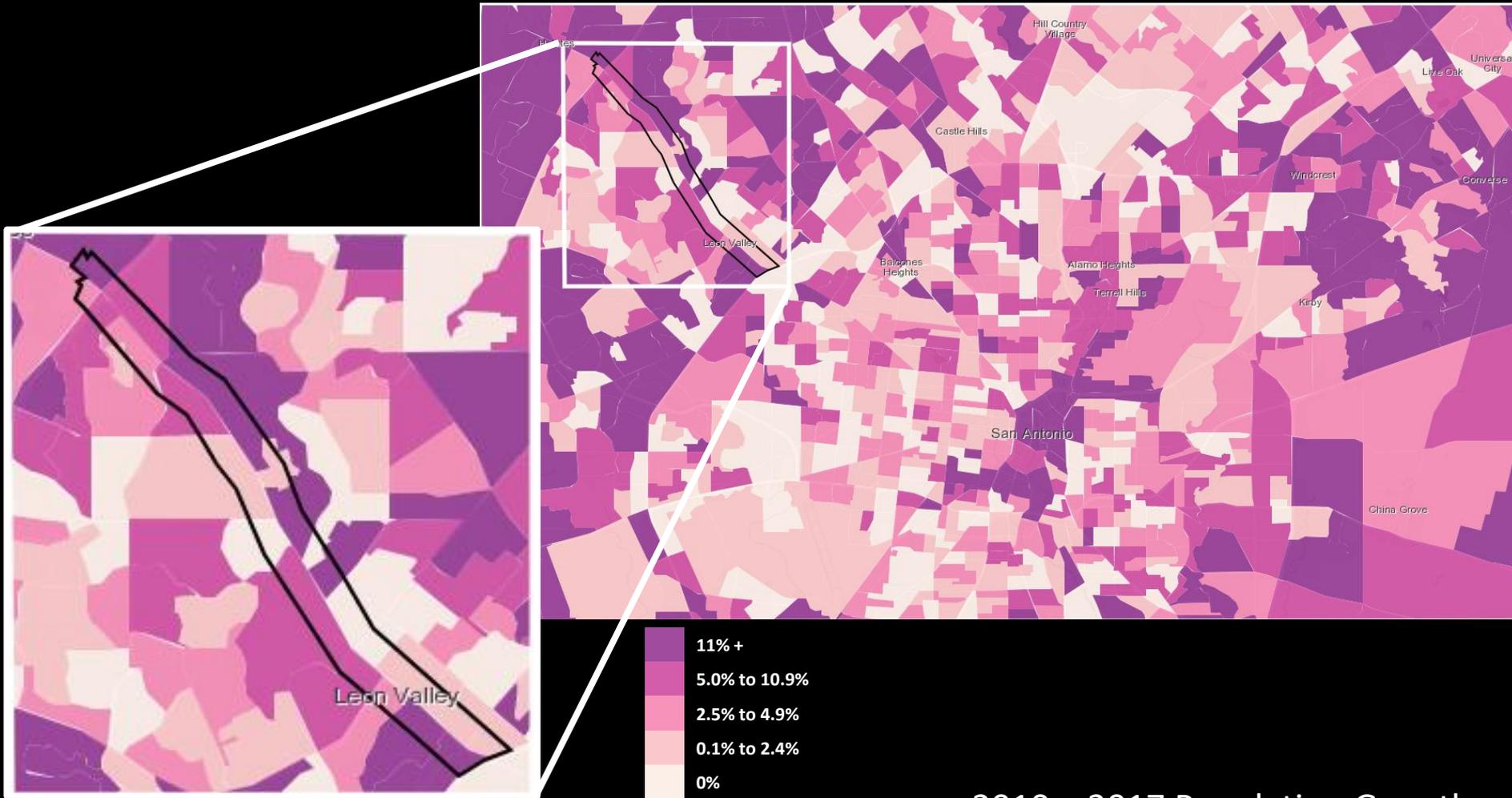
Data Collection Nearly Complete; Base Map Completed

# Market Analysis

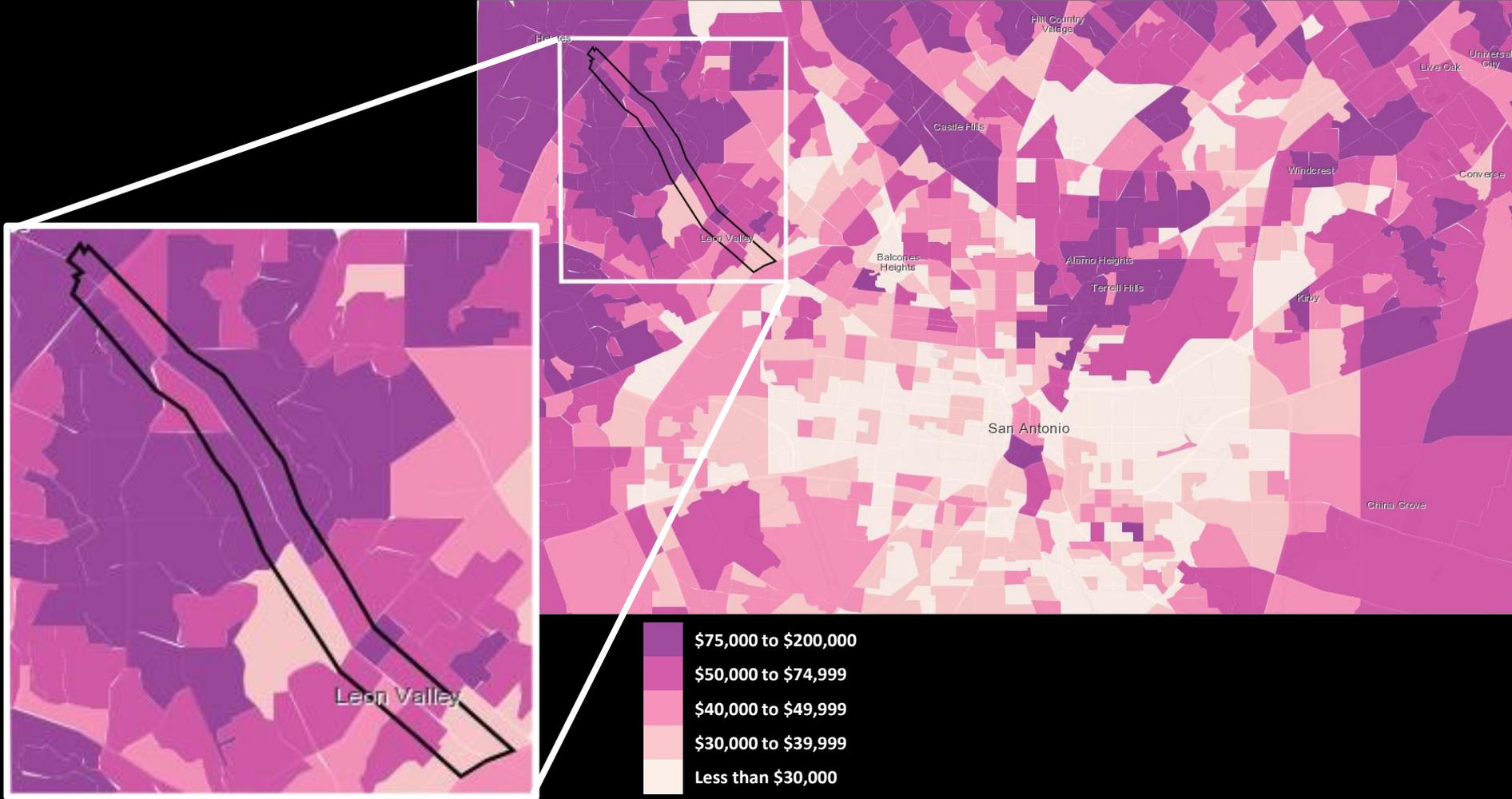
- What are the socioeconomic conditions of the Bandera Road corridor and its surroundings?
- What are the past, present, and projected conditions of the local multifamily and retail markets?
- What do these current and projected market conditions suggest about opportunities and needs around economic development, transportation, and urban design?

# HR&A Methodology





2010 – 2017 Population Growth



Median Household Income



Share of Renter-Occupied Housing Units

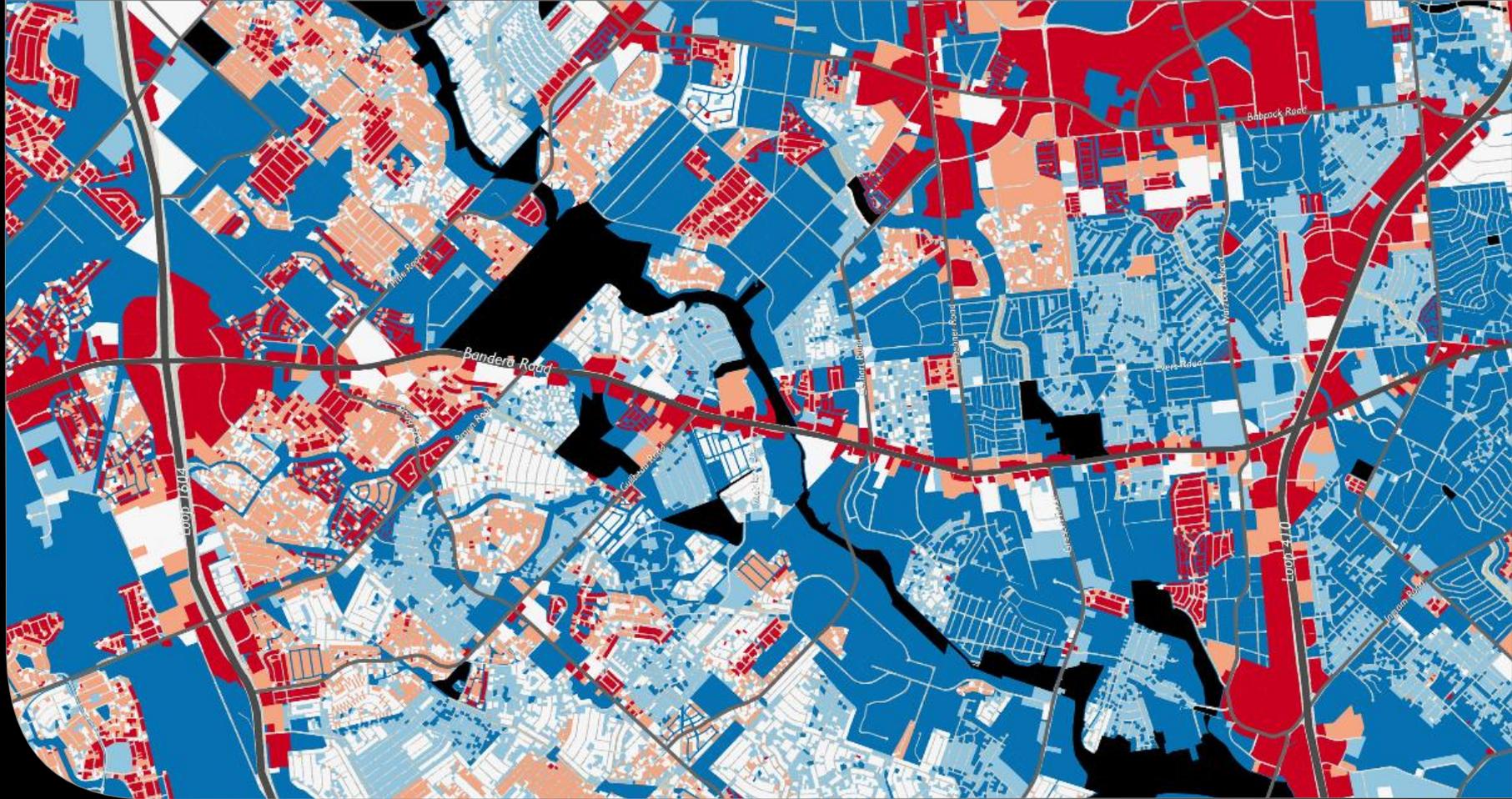


Median Home Value

# Development Analysis

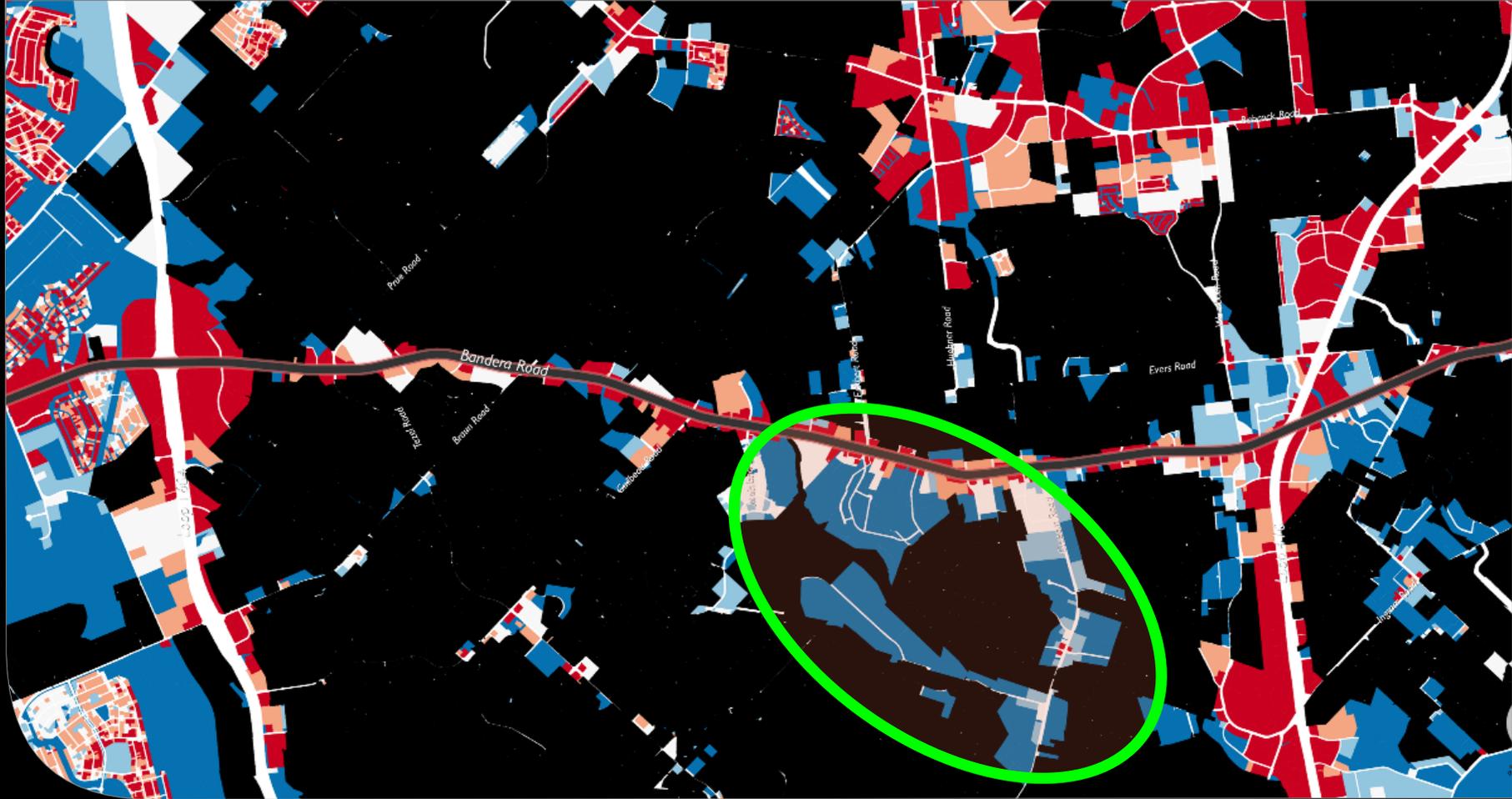
- Where is development more and less likely to occur?
- Where is development in a relatively steady state?
- What are the larger patterns of development?













# Contact Information

## TxDOT Project Manager (PM)

Mr. Fernando Flores, P.E.  
Texas Department of Transportation  
4615 Northwest Loop 410  
San Antonio, Texas 78229-0928  
Phone: (210) 615-5869  
Email: [Fernando.Flores@Txdot.gov](mailto:Fernando.Flores@Txdot.gov)

## TxDOT Consultant PM

Mr. Chad Gardiner, P.E.  
Halff Associates, Inc.  
1201 North Bowser Road  
Richardson, Texas 75081-2275  
Phone: (214) 346-6239  
Email: [CGardiner@Halff.com](mailto:CGardiner@Halff.com)

## City of San Antonio (COSA) PM

Mr. Rudy Niño, Jr., AICP  
City of San Antonio  
Planning Department  
111 Soledad, Ste 650  
San Antonio, Texas 78205  
Phone: (210) 207-8389  
Email: [rninojr@sanantonio.gov](mailto:rninojr@sanantonio.gov)

## COSA Consultant PM

Mr. Jay Loudon, AIA  
Work5hop  
618 E Locust St  
San Antonio, Texas 78212  
Phone: (210) 594-2588  
Email: [jay@work5hop.com](mailto:jay@work5hop.com)



TEXAS DEPARTMENT OF TRANSPORTATION

## SH 16 (BANDERA ROAD) I-410 TO LOOP 1604

Planning Team Meeting #2  
September 18, 2019

The environmental review, consultation, and other actions required by applicable Federal environmental laws for this project are being, or have been, carried out by TxDOT pursuant to 23 U.S.C. 327 and a Memorandum of Understanding dated December 16, 2014, and executed by FHWA and TxDOT.

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### Agenda

1	Introductions & Online Participants	3-4
2	Project Limits	5
3	Planning Team Meeting #1 & Survey Summary	6-8
4	TxDOT SH 16 (Bandera Road) Study Update	9-20
5	City of San Antonio Bandera Road Corridor Plan Update	21-36
6	Planning Team Feedback	37
7	Contact Information	38

SH 16 (Bandera Road) Project September 18, 2019

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### Introductions

- Planning Team
- SH 16 (Bandera Road) Project - TxDOT Team
- Bandera Road Corridor Plan - City of San Antonio Team

SH 16 (Bandera Road) Project September 18, 2019

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### Online Participants

- Please **mute your phones** (to minimize noise)
- Use **WebEx Chat Box** to participate
  - Click on Chat icon; type comment
  - Type your name, organization and email address in chat box
  - Questions/comments will be monitored
    - Responses will be provided during the discussion portion of the meeting
- **Troubleshooting**
  - Recommended web browsers: Mozilla Firefox, Internet Explorer, Google Chrome
    - Microsoft Edge may have issues with online portion of meeting
  - Mobile users: if you become disconnected, you may call back in

SH 16 (Bandera Road) Project September 18, 2019

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### Project Limits

SH 16 (Bandera Road) Project September 18, 2019

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    - TxDOT SH 16 (Bandera Road) Study
  - Discussed TxDOT study efforts for:
    - Community outreach and survey
    - Origin & Destination (O-D) data study
    - Crash data analysis

SH 16 (Bandera Road) Project September 18, 2019

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### Planning Team Meeting #1 Summary

Team Member Feedback	Study Team Reaction
<ul style="list-style-type: none"> <li>Intersections are dangerous</li> <li>Need more right turn lanes</li> <li>Synchronize the signals better</li> </ul>	<ul style="list-style-type: none"> <li>Crash data analysis</li> <li>Build concepts to study intersection improvements</li> </ul>
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**YOUR FEEDBACK IS IMPORTANT!**

SH 16 (Bandera Road) Project | September 18, 2019

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### Community Outreach – Survey Summary

#### Final Survey Results

- Available online from February 12 to May 31, 2019
- 885 individuals completed the survey

#### When asked what their primary reason for traveling within the corridor, respondents said:

- 71% Shopping/errands
- 54% Commute to/from home
- 46% Commute to/from work

#### When asked what design features they would like to see within the corridor, respondents said:

- 52% Improved sidewalks
- 46% Improved lighting
- 45% Improved crosswalks

#### When asked to rank their priorities for the SH 16 (Bandera Road) Project, respondents said their top priorities are:

1. Improve congestion
2. Improve safety
3. Add sidewalks and improve pedestrian crossings

#### Demographics:

- 31% live in Leon Valley
- 38% live in San Antonio District 7
- 8% live in San Antonio District 6
- 56% are white
- 28% are Hispanic or Latino
- 50% are male
- 46% are female
- 22% are 55 to 64 years old
- 19% are 65 to 74 years old

SH 16 (Bandera Road) Project | September 18, 2019

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### 2018 Daily Volumes

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    graph TD
      A[2018 Traffic Counts] --> D((2018 AADT))
      B[TxDOT Historical Traffic] --> D
      C[AAMPO Travel Demand Model] --> D
  
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SH 16 (Bandera Road) Project | September 18, 2019

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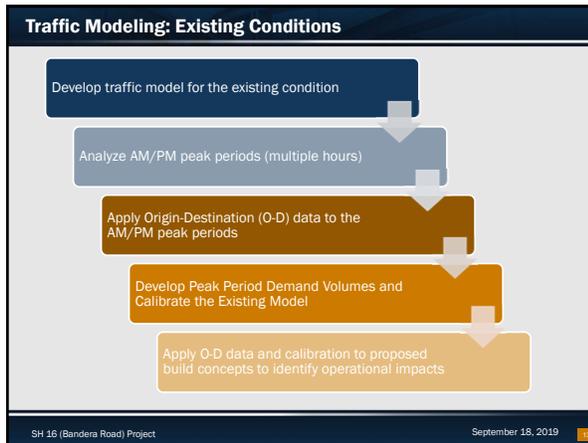
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### Origin & Destination (O-D) Analysis – Data Sources

Bluetooth	STREETLIGHT DATA Big Data for Mobility	AAMPO Travel Demand Model
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SH 16 (Bandera Road) Project September 18, 2019 14

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SH 16 (Bandera Road) Project September 18, 2019 15

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### Community Engagement – Additional Outreach Tools

#### Project Newsletters

#### Direct Mail

#### Social Media Toolkit

SH 16 (Bandera Road) Project September 18, 2019

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### TxDOT Next Steps

Conduct Public Meeting and Business Forum  
**2019**  
4<sup>th</sup> quarter

Develop Existing Conditions Report  
**2019**  
4<sup>th</sup> quarter

Begin Development of Improvement Concepts  
**2020**  
1<sup>st</sup> quarter

Community engagement continues throughout via pop-up meetings, social media, social videos, online surveys, and planning team/task force meetings

SH 16 (Bandera Road) Project September 18, 2019

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**STATE HIGHWAY**  
**16 BANDERA ROAD**  
CORRIDOR PLAN

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## Progress Update

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## Market Analysis

- What are the socioeconomic conditions of the Bandera Road corridor and its surroundings?
- What are the past, present, and projected conditions of the local multifamily and retail markets?
- What do these current and projected market conditions suggest about opportunities and needs around economic development, transportation, and urban design?

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## HR&A Methodology



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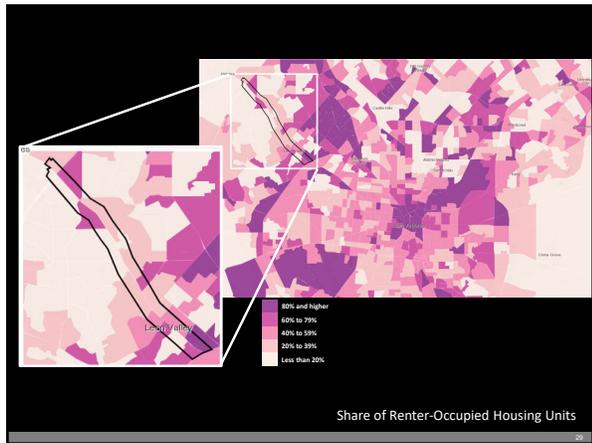
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## Development Analysis

- Where is development more and less likely to occur?
- Where is development in a relatively steady state?
- What are the larger patterns of development?

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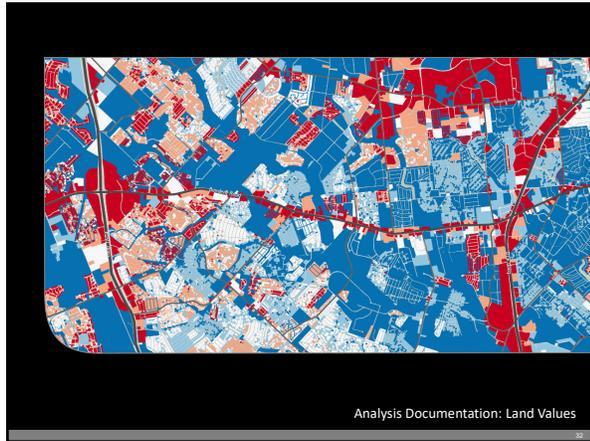
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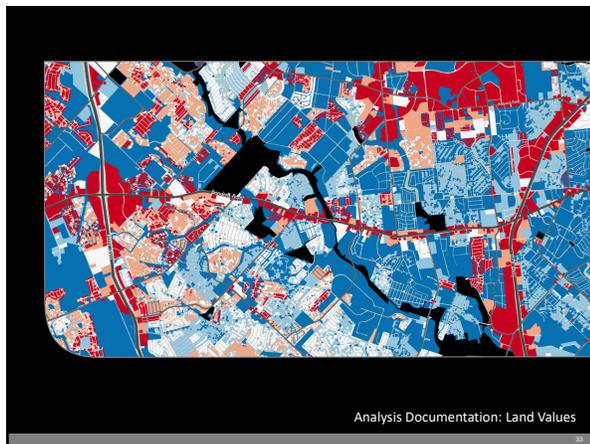
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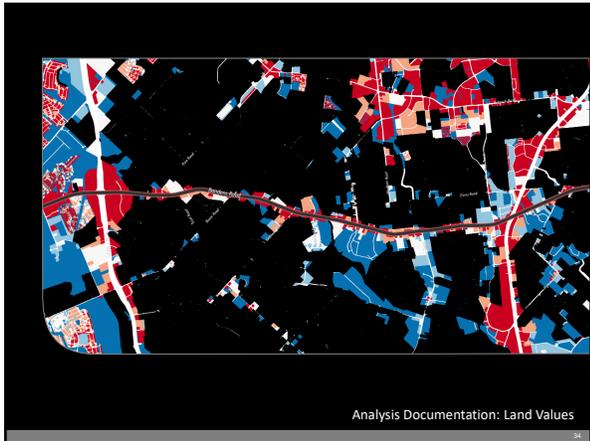
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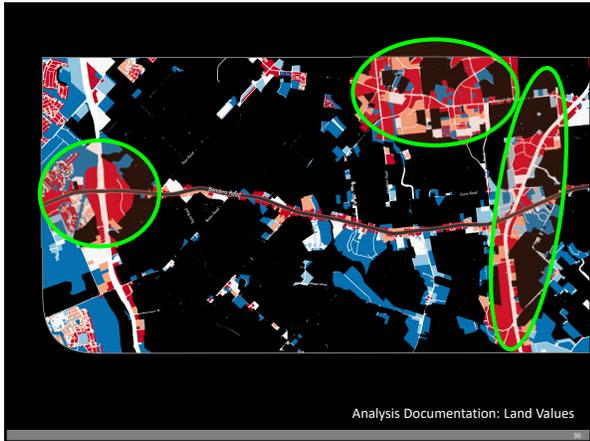
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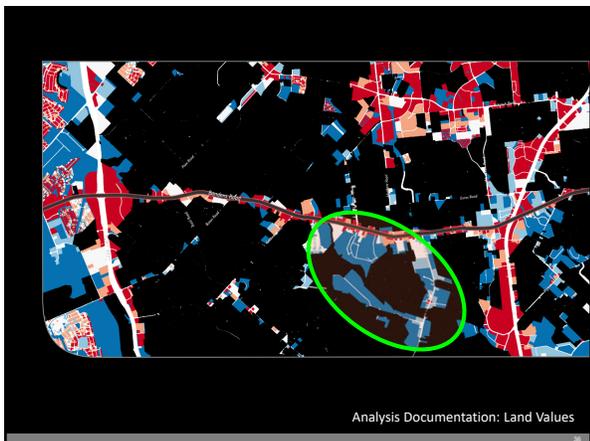
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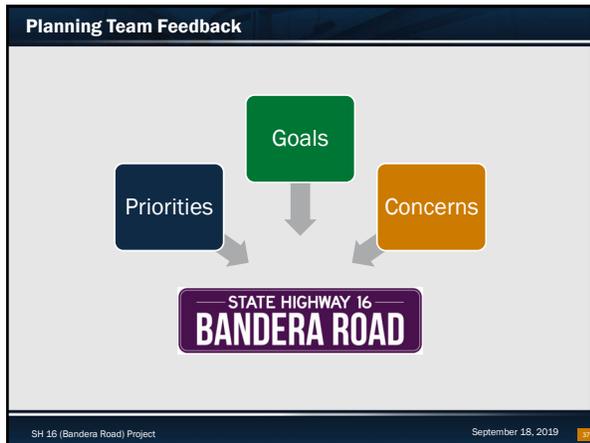
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**Contact Information**

<p><b>TxDOT Project Manager (PM)</b>          Mr. Fernando Flores, P.E.          Texas Department of Transportation          4615 Northwest Loop 410          San Antonio, Texas 78229-0928          Phone: (210) 615-5869          Email: <a href="mailto:Fernando.Flores@Txdot.gov">Fernando.Flores@Txdot.gov</a></p>	<p><b>TxDOT Consultant PM</b>          Mr. Chad Gardiner, P.E.          Half Associates, Inc.          1201 North Bowser Road          Richardson, Texas 75081-2275          Phone: (214) 346-6239          Email: <a href="mailto:CGardiner@half.com">CGardiner@half.com</a></p>
<p><b>City of San Antonio (COSA) PM</b>          Mr. Rudy Niño, Jr., AICP          City of San Antonio          Planning Department          111 Soledad, Ste 650          San Antonio, Texas 78205          Phone: (210) 207-8389          Email: <a href="mailto:rminojr@sanantonio.gov">rminojr@sanantonio.gov</a></p>	<p><b>COSA Consultant PM</b>          Mr. Jay Loudon, AIA          Work5hop          618 E Locust St          San Antonio, Texas 78212          Phone: (210) 594-2588          Email: <a href="mailto:jay@work5hop.com">jay@work5hop.com</a></p>

SH 16 (Bandera Road) Project September 18, 2019

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# AGENDA

## PLANNING TEAM MEETING #2

SH 16 (Bandera Road) from I-410 to Loop 1604

YMCA at O.P. Schnabel Park

September 18, 2019 – 6:30 P.M.

- I. Welcome and Introductions
  
- II. Presentation
  - a. Introductions
  
  - b. Summary of Previous Planning Team Meeting & Online Survey
  
  - c. TxDOT SH 16 (Bandera Road) Study Update
  
  - d. City of San Antonio Corridor Plan Update
  
- III. Planning Team Feedback (open discussion)



## COMMENT CARD

### SH (Bandera Road) from I-410 to Loop 1604

Wednesday, September 18, 2019

6:30 p.m. to 8:30 p.m.

YMCA at O.P. Schnabel Park | 9606 Bandera Road (78250)

#### COMMENT FORM

Thank you for attending tonight's Planning Team meeting. Please use the space below to submit written comments, attach additional pages if necessary. Please drop the completed form in the comment box or give to one of the project representatives at the meeting tonight. You may also fax to (210) 349-4395, email to [BanderaRoad@pozcam.com](mailto:BanderaRoad@pozcam.com), or mail to the address provided below. All written comments must be postmarked by Friday, October 4, 2019. Thank you for your comments.

#### (PLEASE PRINT)

COMMENTS: \_\_\_\_\_

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\_\_\_\_\_

NAME: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

EMAIL: \_\_\_\_\_

REPRESENTING: \_\_\_\_\_

Texas Transportation Code, §201.811(a)(5): check each of the following boxes that apply to you:

- I am employed by TxDOT
- I do business with TxDOT
- I could benefit monetarily from the project or other item about which I am commenting

Written comments submitted by mail must be postmarked by Friday, October 4, 2019 and sent to:

Texas Department of Transportation  
Fernando Flores, P.E., Project Manager  
4615 NW Loop 410  
San Antonio, Texas 78229-5126

*The environmental review, consultation, and other actions required by applicable Federal environmental laws for this project are being, or have been, carried-out by TxDOT pursuant to 23 U.S.C. 327 and a Memorandum of Understanding dated December 16, 2014, and executed by FHWA and TxDOT.*

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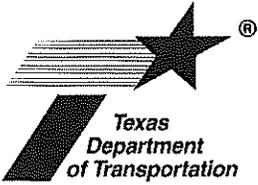
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**TEXAS DEPARTMENT OF TRANSPORTATION  
C/O FERNANDO FLORES, P.E., PROJECT MANAGER  
4615 NW LOOP 410  
SAN ANTONIO, TX 78229-5126**

Appendix E  
Submitted Comment Form

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# COMMENT CARD

## SH 16 (Bandera Road) from I-410 to Loop 1604

Wednesday, September 18, 2019

6:30 p.m. to 8:30 p.m.

YMCA at O.P. Schnabel Park

9606 Bandera Road, San Antonio, TX 78250

### COMMENT FORM

Thank you for attending tonight's Planning Team meeting. Please use the space below to submit written comments, attach additional pages if necessary. Please drop the completed form in the comment box or give to one of the project representatives at the meeting tonight. You may also fax to (210) 349-4395, email to [BanderaRoad@pozcam.com](mailto:BanderaRoad@pozcam.com), or mail to the address provided below. Please provide your comments by Friday, October 4, 2019. Thank you.

### (PLEASE PRINT)

COMMENTS:

Glad we are studying current use and thinking towards future. However some of current traffic patterns may be due to current Bandera backlog.

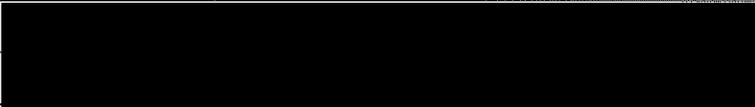
Excited to see more concepts surface of possible ways to free up flow so that people can drive down Bandera without stopping at every light.

Recommend sharing concepts to evaluate reaction.

NAME:

Daniel Baird

ADDRESS:



EMAIL:

REPRESENTING:

Braun Oaks HOA

Texas Transportation Code, §201.811(a)(5): check each of the following boxes that apply to you:

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