



WELCOME TO THE OPEN HOUSE

US 281 North

Loop 1604 to Borgfeld Drive

CSJ: 0253-04-146 & 0253-04-138

May 12, 2016

Please sign in
Explore the exhibits
Submit a comment form
Ask questions

We want to know your comments and concerns.
A comment form has been provided to you for your convenience.
If you do not have one, please ask a project team member.



NEPA ASSIGNMENT FROM FHWA TO TXDOT

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.

La revisión ambiental, consulta, y otras acciones requeridas por las leyes ambientales Federales para este Proyecto están siendo o han sido, realizadas por TxDOT en virtud de 23 U.S.C. 327 y por el Memorando de Entendimiento con fecha 16 de diciembre, 2014, y ejecutado por FHWA y TxDOT.



HOW TO SUBMIT COMMENTS

■ **Today at the Open House:**

- Fill out a comment form
- Provide a verbal comment to the court reporter

■ **Electronic Methods:**

- Send an email to: US281North@jacobs.com
- Submit through project webpage: <http://www.txdot.gov/inside-txdot/get-involved/about/hearings-meetings/san-antonio/051216.html>

■ **Mail:**

Jacobs Engineering
c/o Doug Huneycutt, P.E.
911 Central Parkway North, Suite 425
San Antonio, Texas 78232

All comments must be received or postmarked by **May 23, 2016**, to be part of the official record of the Open House.



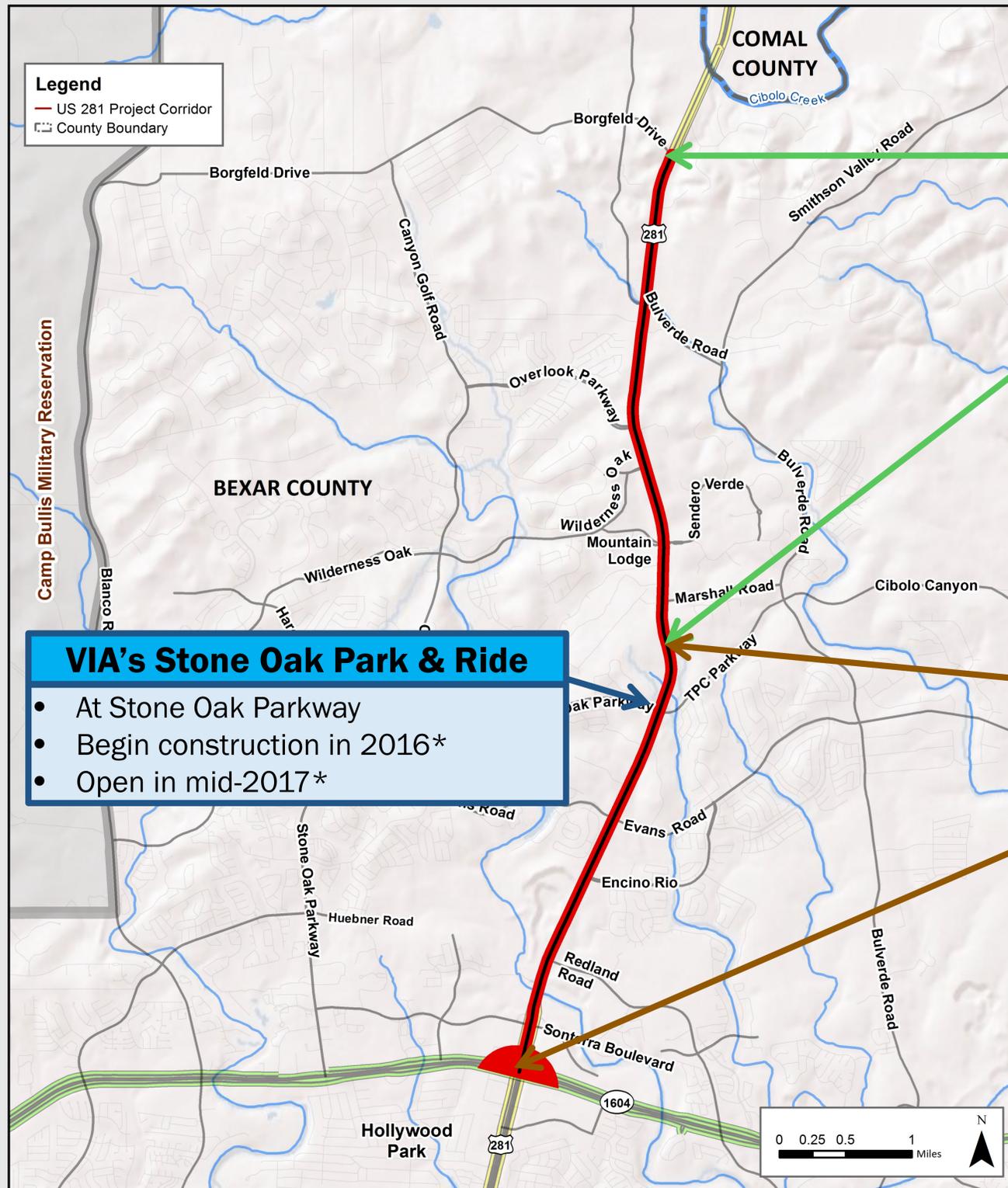
WHY AM I HERE?

- To learn about updates on the US 281 North Project:
 - Construction timeframes
 - VIA's Stone Oak Park & Ride
 - Environmental studies
- To review and provide input on:
 - Changes in the project design due to removal of tolls
 - Incorporation of High Occupancy Vehicle (HOV) lanes



May 8, 2014 Public Meeting

US 281 NORTH WILL BE CONSTRUCTED IN TWO SEGMENTS



VIA's Stone Oak Park & Ride

- At Stone Oak Parkway
- Begin construction in 2016*
- Open in mid-2017*

Segment 2

- North of Stone Oak Parkway to Borgfeld Drive
- Begin construction in 2019*
- Construction complete in 2022*

Segment 1

- Loop 1604 to North of Stone Oak Parkway
- Includes four northern direct connectors at Loop 1604
- Begin construction in Spring 2017*
- Construction complete in 2020*

* Anticipated dates



US 281 NORTH PROGRESS

- **Jul. 2015: Environmental Impact Statement Record of Decision**
6 lane expressway with managed (tolled) lanes
- **Sept. 2015: Non-toll designation for US 281 by Texas Transportation Commission and Alamo Area MPO**
6 lane expressway with non-toll HOV lanes; TxDOT assumes responsibility for the project from the Alamo RMA
- **Sept. 2015: TxDOT begins Environmental Reevaluation**
- **Nov. 2015: Statewide Passage of Proposition 7**
Additional funding available for non-toll highway improvements
- **Jan. 2016: TxDOT begins final design on Segment 1**



COST ESTIMATES & FUNDING SOURCES

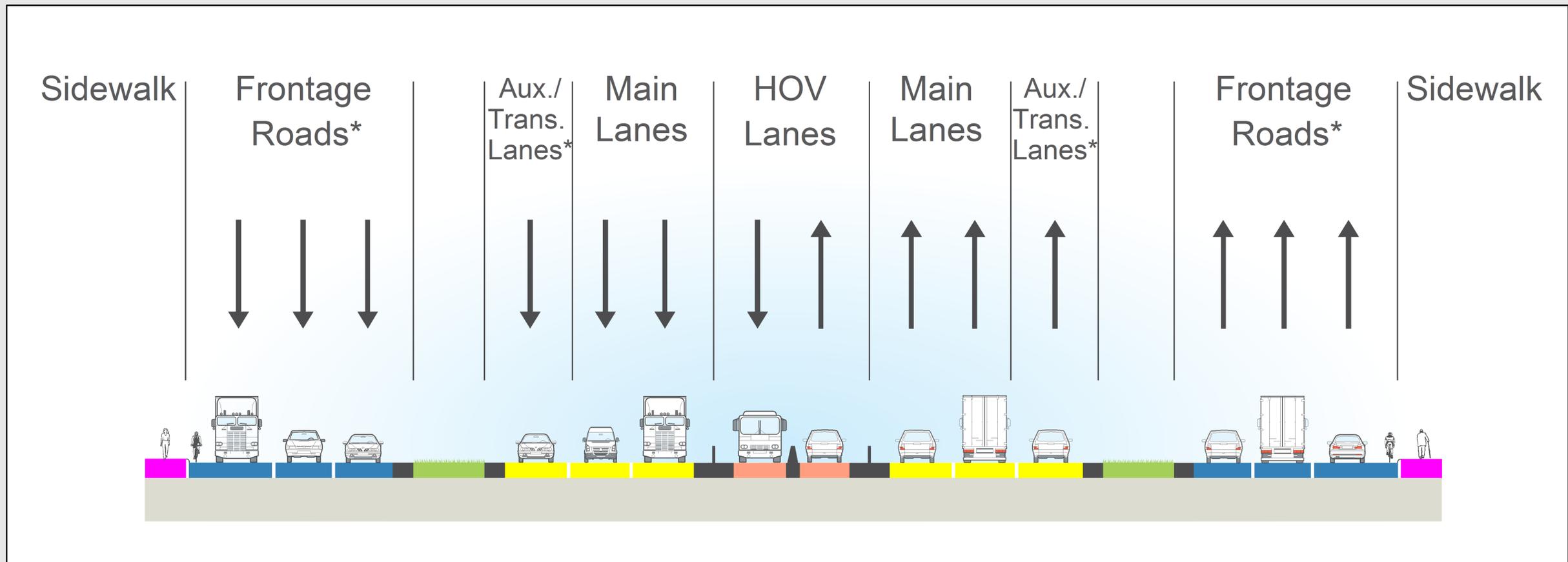
PROJECT COST ESTIMATES

Total Capital Cost:
\$532 million*

*Includes right of way acquisition

Estimated Funding Sources	
Segment 1	
Local Leverage (City of San Antonio)	\$ 26 million
Local Leverage (Advanced Transportation District)	\$ 39 million
State and Federal	\$ 163 million
Total	\$ 228 million
Segment 2	
Local Leverage (Advanced Transportation District)	\$ 9 million
State and Federal (Metro. Congestion Initiative)	\$ 81 million
Additional Funding Anticipated from State and Federal Sources	\$ 214 million
Total	\$ 304 million

PROPOSED TYPICAL SECTION



*The number of frontage road lanes, auxiliary lanes and transition lanes varies along the corridor.



WHAT IS A HIGH OCCUPANCY VEHICLE (HOV) LANE?

- HOV lanes focus on moving people rather than just vehicles
- Vehicles that use the HOV lane must have a minimum number of occupants, usually at least two people
- Transit vehicles/buses can use the HOV lane



Source: Texas Manual on Uniform Traffic Control Devices (October 2014)

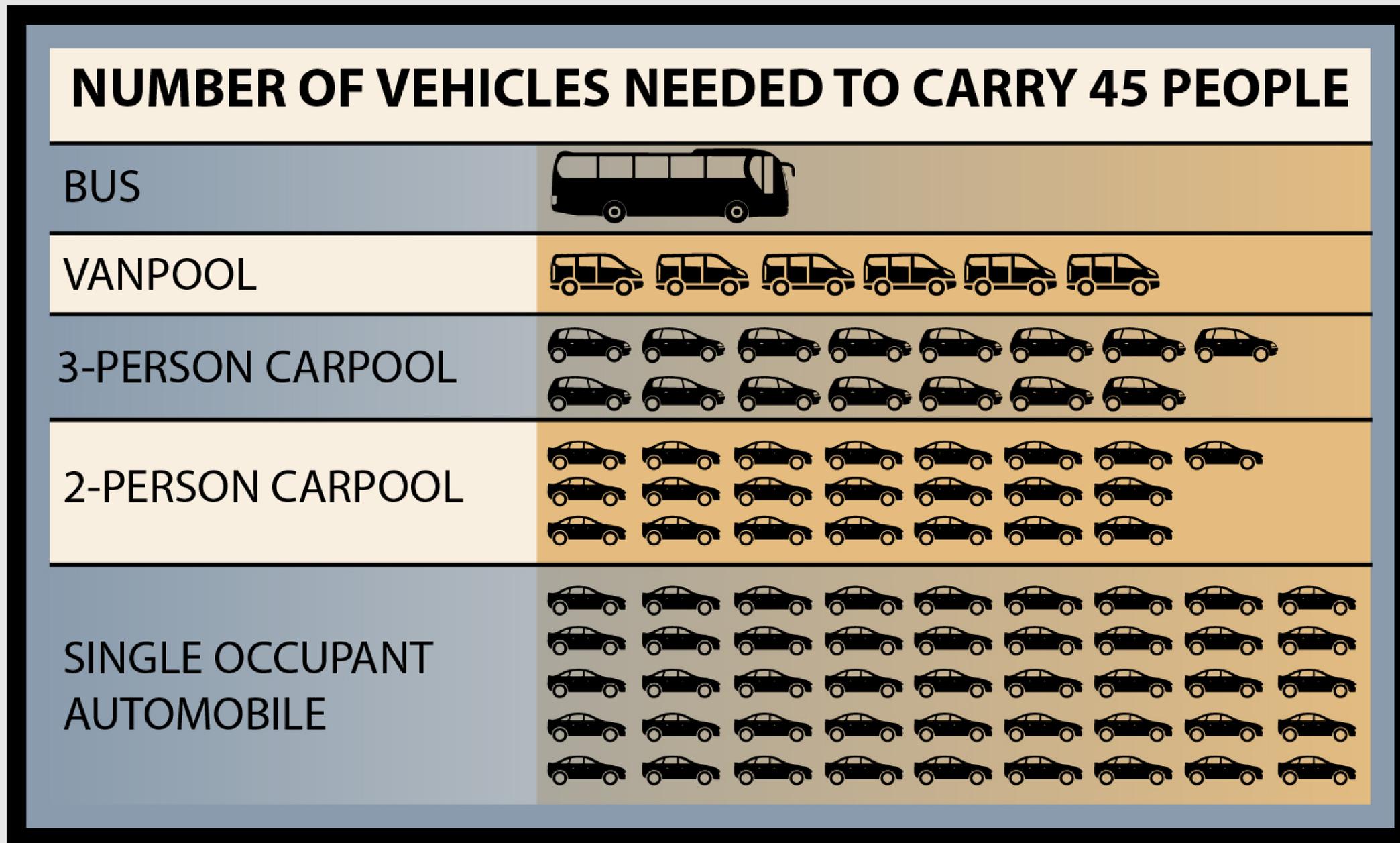


HOV LANE FACTS

- Provides additional transportation choices for travelers
- Increases the total number of people moved through a corridor by offering two kinds of travel incentives: a savings in travel time and a reliable and predictable trip
 - *Travelers on Texas HOV lanes save up to 19 minutes of travel time (2 minutes per mile) during peak hours*
- Increases the person-movement capability of a corridor
- Assures that capacity will be available in the future to serve growth in travel demand for the US 281 North corridor
- Provides air quality benefits for the San Antonio region



HOV RIDERSHIP COMPARISON





HIGH OCCUPANCY VEHICLE (HOV) LANES FOR US 281



- Single concurrent flow lanes
- 4-foot safety buffer
- Transfer zones for safely entering and exiting the HOV lanes
- Operating details (time-of-day, transit service levels, etc.) to be determined by TxDOT and VIA

Conceptual visualization of HOV lanes on US 281 just north of Encino Rio (Northbound View)

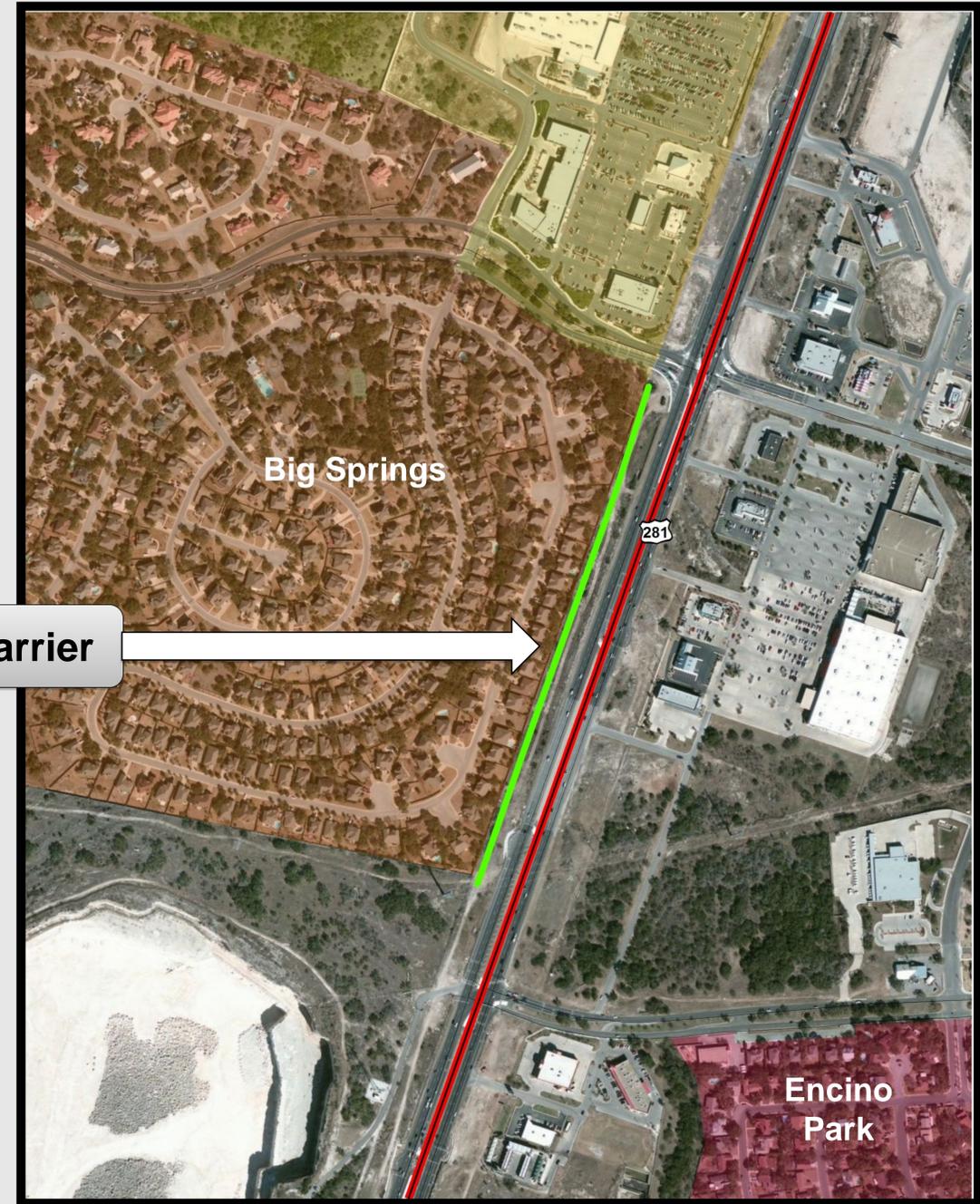


TRAFFIC NOISE ANALYSIS UPDATE

- A noise analysis was conducted for the 2015 Environmental Impact Statement which proposed a noise barrier near Big Springs. An updated noise analysis is underway based on traffic and design revisions.
- Property owners adjacent to the proposed noise barrier will have an opportunity to decide whether they want a noise barrier constructed.



Potential Noise Barrier





AIR QUALITY ANALYSIS UPDATE

- As of April 8, 2016 the federal threshold for ozone was exceeded in the San Antonio region based on the average for the most recent three-year period (2014-2016)
- The 281 HOV lanes could become part of a regional HOV lane system under study by the Alamo Area MPO
- HOV lanes produce less emissions per traveler as the average vehicle occupancy of an HOV lane is greater than the average vehicle occupancy of the adjacent general purpose lanes
- HOV lanes can be an important contributor to attaining air quality goals for the San Antonio region
- An air quality analysis was conducted for the 2015 Environmental Impact Statement. An updated air quality analysis based on traffic and design revisions is underway.



US 281



ENVIRONMENTAL PROTECTION

TxDOT will ensure the protection of sensitive environmental features during and after construction:

- A Storm Water Pollution Prevention Plan (per TCEQ*) will specify Best Management Practices to protect water quality during construction
- Stormwater controls will remain in place until vegetation is reestablished where possible
- A Water Pollution Abatement Plan (to be approved by TCEQ and US Environmental Protection Agency) will identify post-construction controls like vegetative filter strips to remove pollutants from stormwater runoff
- TxDOT will undertake voluntary conservation measures (approved by US Fish & Wildlife Service) to avoid/minimize impacts to protected species and their habitat
- Vegetation clearing would take place outside the nesting season of migratory birds to the extent practicable
- Revegetation will be in compliance with TxDOT's *Executive Memorandum on Beneficial Landscaping*
- Covering or treating disturbed areas with dust suppression techniques

*Texas Commission on Environmental Quality



OPEN HOUSE



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TxDOT

Right of Way