



# I-10 WEST PERIMETER

## OPEN HOUSE PUBLIC MEETING



*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.*

February 19, 2015

# I-10 West Perimeter Open House Public Meeting

## INTERSTATE HIGHWAY 10

**From:** Fair Oaks Pkwy  
**To:** Ralph Fair Rd (FM 3351)

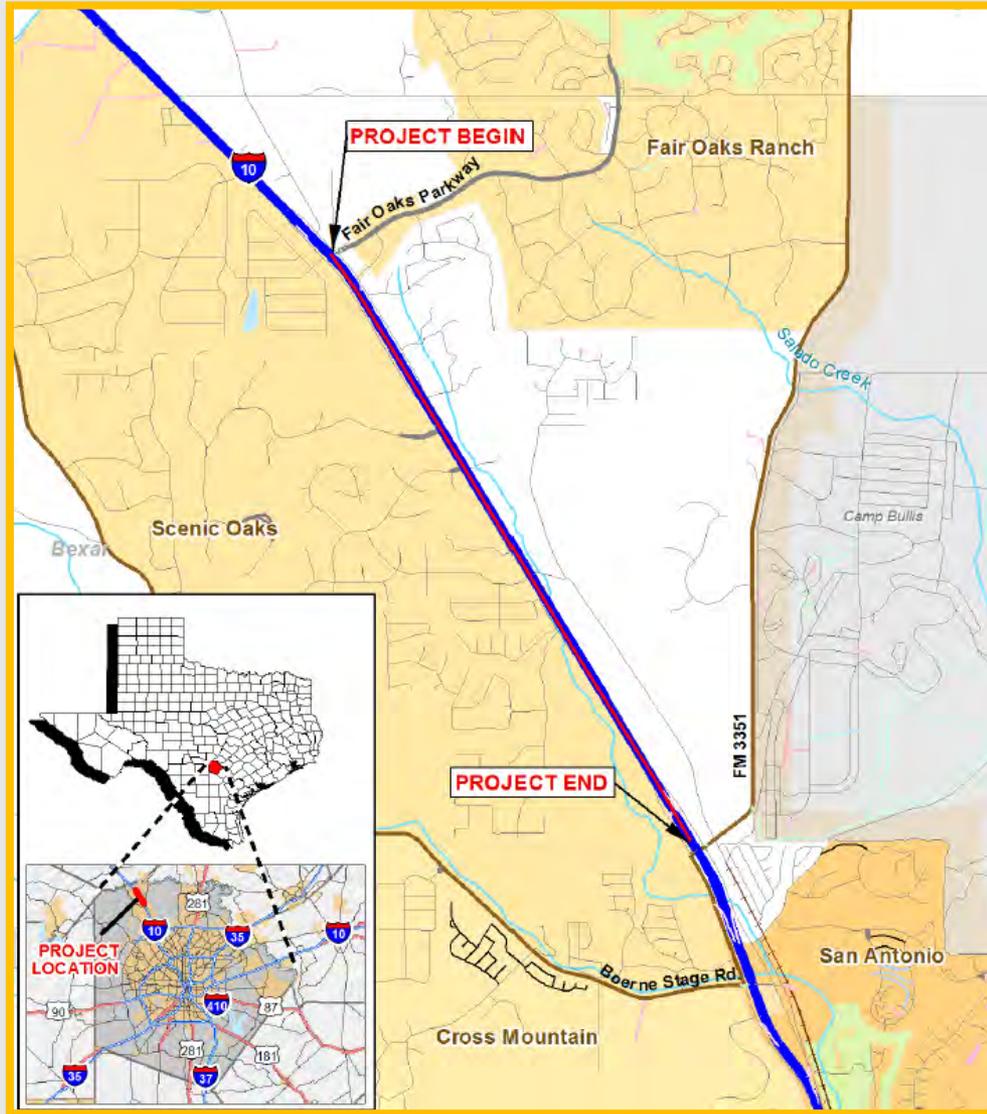
**Bexar County**



**Thursday, February 19, 2015**  
5:00 PM – 7:00 PM

**Spring Creek United Methodist Church**  
28970 Old Fredericksburg  
Fair Oaks Ranch, Tx 78015

# Project Location Map



# Need and Purpose

- **Need**

- Improve safety and increase intersection capacity on I-10.

- **Purpose**

- Address the needs identified above within the project limits.
- The proposed conversion of the existing I-10 two-way frontage roads to a one-way operation is expected to reduce the number of accidents and severity by up to 50% (*Safety & Economic Impacts Of Converting Two-Way Frontage Roads to One-Way, Bill Eisele, Texas Transportation Institute, January 14, 2011*)

# Project Information

- **Project Length ~ 3.5 miles**
- **Widen/convert existing “two-way” frontage roads to “one-way”**
- **Reverse existing entrance and exit ramps at Fair Oaks Pkwy and FM 3351**
- **Remove/replace existing 2-lane Fair Oaks Pkwy bridge with a 5-lane bridge**
- **Construct new I-10 overpass at Old Fredericksburg Rd / Buckskin Dr and add 4 new ramps**
- **Accommodate bicycles and pedestrians throughout the project limits**

# Project Description

## Proposed I-10 West Perimeter

Convert Existing I-10 Two-Way Frontage Roads to One-Way Frontage Roads

Construct New I-10 Overpass at Old Fredericksburg Rd

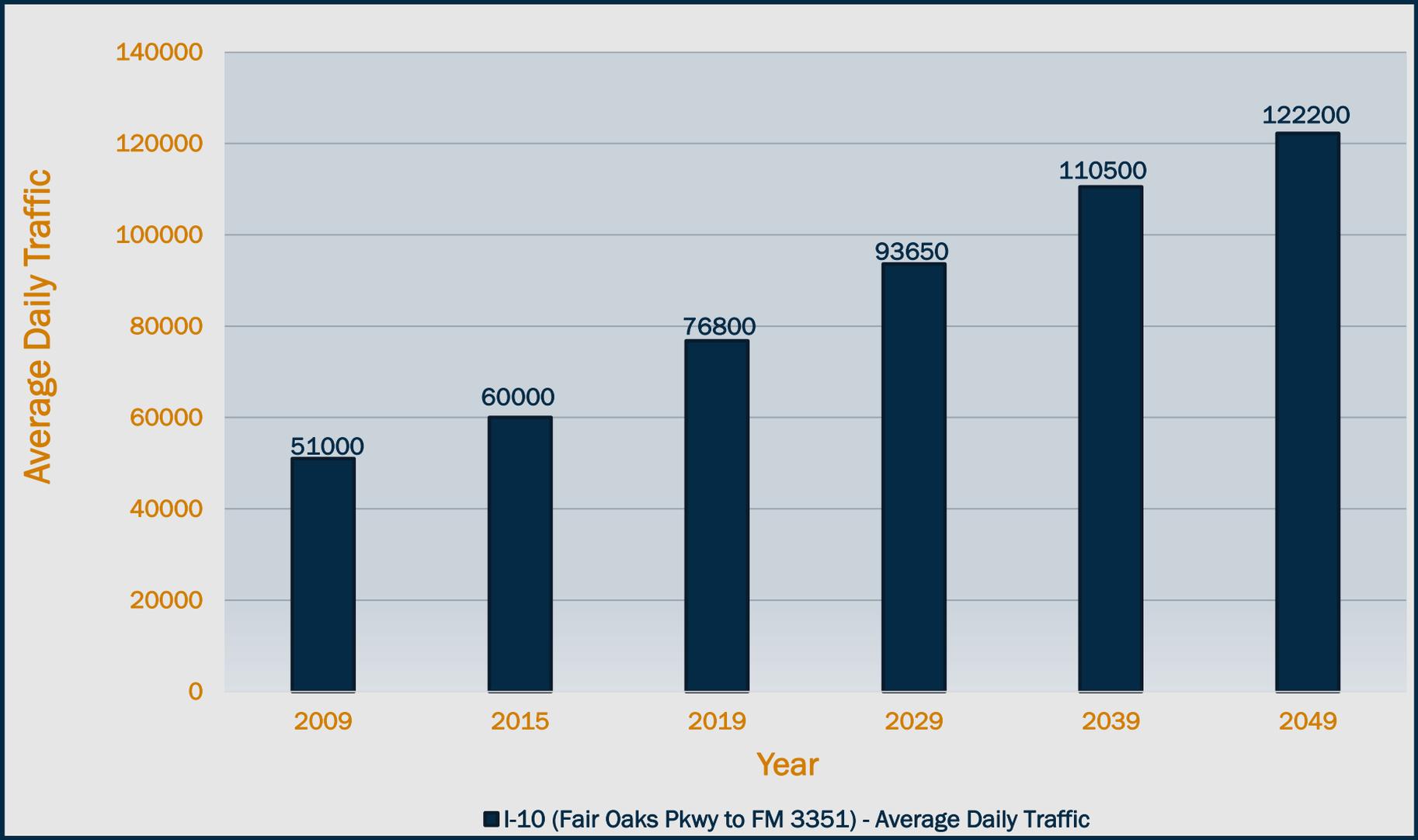
Fair Oaks Pkwy

FM 3351

Replace the Existing Fair Oaks Pkwy Bridge with a 5-Lane Bridge Realigned w/Tarpon Dr.

Reconfigure Existing Entrance and Exit Ramps Along Corridor

# Projected Traffic



# Conversion of Two-Way Frontage Roads

## ■ Why Convert the Frontage Roads to One-way?

- Research has shown a significant reduction in the number, types, and severity of crashes after similar conversions are completed
- Frontage Road Crash Analysis Findings
  - *57% reduction in the expected # of fatal and injury only crashes*
  - *73% reduction in fatal and injury only rear-end crashes*
  - *96% reduction in opposite direction crashes*
- Intersection Crash Analysis Findings
  - *85% reduction in fatal and injury only opposite direction crashes*

# Traffic Analysis (Eastbound Direction / Peak Hour)

Existing Conditions for I-10 Eastbound Traffic				
Description	2019			
	VPH	LOS	DENSITY	SPEED
Mainlanes before Fair Oaks Exit	3314	D	28.4	65.1
Mainlanes at Fair Oaks	2993	C	24.7	67.4
Mainlanes after Fair Oaks Entrance	3479	D	30.5	63.6
Mainlanes at FM 3351	3217	D	27.2	65.9
Mainlanes at Boerne Stage	3927	E	37.4	58.6

Proposed Conditions for I-10 Eastbound Traffic				
Description	2019			
	VPH	LOS	DENSITY	SPEED
Mainlanes Before Fair Oaks Exit	2741	C	22.4	68.7
Mainlanes at Fair Oaks	2420	C	19.4	69.7
Mainlanes after Old Fredericksburg Exit	2216	B	17.7	70.0
Mainlanes at Old Fredericksburg	2751	C	22.5	68.6
Mainlanes after FM 3351 Exit	2479	C	20.0	69.6
Mainlanes at FM 3351	2712	C	22.1	68.8

# Traffic Analysis (Westbound Direction / Peak Hour)

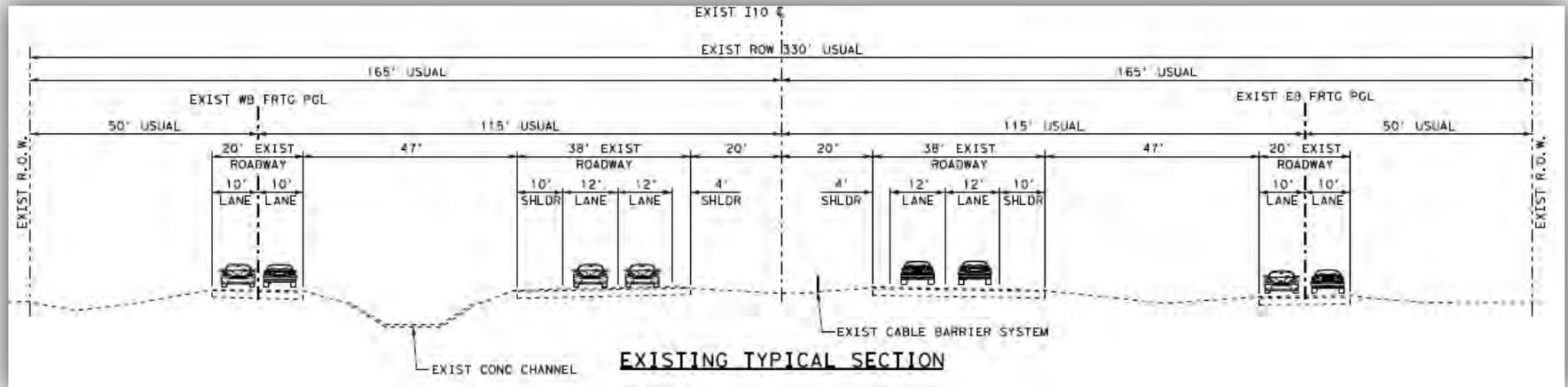
Existing Conditions for I-10 Westbound Traffic				
Description	2019			
	VPH	LOS	DENSITY	SPEED
Mainlanes at Boerne Stage	3829	E	35.7	59.9
Mainlanes at FM 3351	3003	C	24.9	67.4
Mainlanes after FM 3351 Entrance	3343	D	28.7	64.9
Mainlanes at Fair Oaks	2808	C	22.9	68.4
Mainlanes after Fair Oaks Entrance	3138	D	26.3	66.5

Proposed Conditions for I-10 Westbound Traffic				
Description	2019			
	VPH	LOS	DENSITY	SPEED
Mainlanes at FM 3351	2838	C	23.3	68.2
Mainlanes after Old Fredericksburg Exit	2624	C	21.3	69.1
Mainlanes at Old Fredericksburg	2935	C	24.6	67.5
Mainlanes after Fair Oaks Exit	2430	C	19.5	69.7
Mainlanes at Fair Oaks	2576	C	20.8	69.3
Mainlanes after Fair Oaks Entrance	2906	C	24.0	67.9

# Traffic Analysis (Intersections)

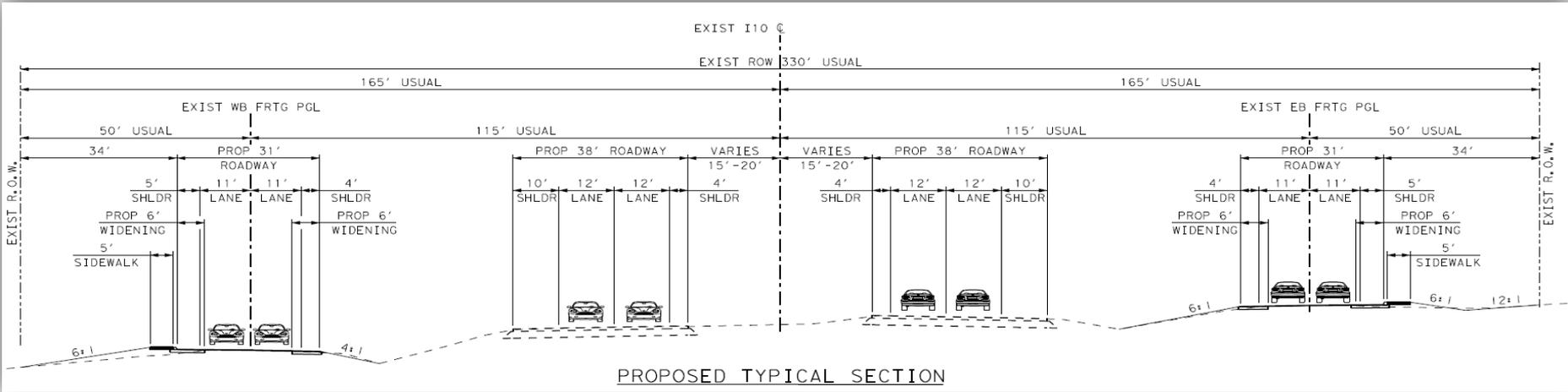
2019 Intersection LOS Analysis				
INTERSECTION ANALYZED	EXISTING CONDITIONS		PROPOSED CONDITIONS	
	DELAY	LOS	DELAY	LOS
I-10 EB Frontage & Fair Oaks	47.6	D	22.5	C
I-10 WB Frontage & Fair Oaks	680.2	F	29.8	C
I-10 EB Frontage & Old Fredericksburg	-	-	29.4	C
I-10 WB Frontage & Old Fredericksburg	-	-	30.0	C
I-10 EB Frontage & FM 3351	18.3	B	12.8	B
I-10 WB Frontage & FM 3351	24.9	C	19.6	B

# Existing Typical Section

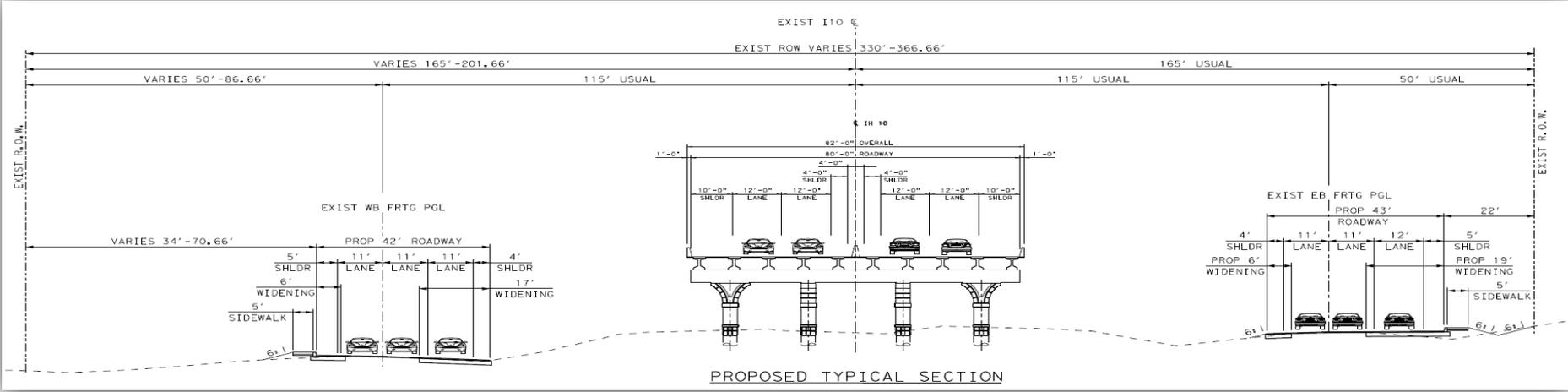


Existing Typical Section

# Proposed Typical Sections



Frontage Road Widening/Conversion



I-10 @ Old Fredericksburg Rd / Buckskin Dr

# Environmental Considerations

- **No additional right-of-way required.**
- **No anticipated disproportionately high or adverse effects on minority or low income population.**
- **Traffic noise analysis is currently being performed.**
- **No anticipated impacts to cultural resources (historical and archaeological).**
- **Potential impacts to air quality, waters of the us, and federally listed species are currently being studied.**
- **Portions of the proposed project are located within a federal emergency management agency (FEMA) designated 100-year floodplain.**
- **TCEQ requirements will be met as the project is located within the Edwards Aquifer Contributing Zone.**

# Project Schedule & Estimate

- **Begin Construction**

- I-10 Improvements (Frontage Road Conversion, Ramp Reversals, and Old Fredericksburg Rd / Buckskin Dr Overpass) ~ Fall Of 2015
- Fair Oaks Pkwy Bridge ~ Fall Of 2016

- **Construction Time**

- I-10 Improvements ~ Approximately 2 Years
- Fair Oaks Pkwy Bridge ~ Approximately 1 Year

- **Current Construction Cost Estimate**

- I-10 Improvements ~ \$25.6 Million
- Fair Oaks Pkwy Bridge ~ \$8 Million

# Provide Your Comments

- **Options For Commenting**

- Give Comment Card to TxDOT Staff Tonight (OR)

- Phone Comments To: (210) 249-2280

- Email Comments To: I10WestPerimeterProject@Dannenbaum.com

- Mail Comments To: I-10 West Perimeter Project Team  
415 Embassy Oaks, Suite 102  
San Antonio, TX 78216

- **Deadline For Comments: Monday, March 2, 2015**

- **Public Meeting Report will be Posted at [www.TxDOT.gov](http://www.TxDOT.gov)**

**Thank You For Your  
Participation!**

