



TEXAS DEPARTMENT OF TRANSPORTATION

WELCOME

TO THE FM 529 IMPROVEMENT PROJECT PUBLIC MEETING

FROM SH 99 (GRAND PARKWAY) TO FM 362

Why Am I Here?

- **Ask** questions about the proposed project
- **Review** the proposed improvements
- **Submit** comments

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.

Patricia E. Paetow High School - Katy, TX

April 30, 2019, 5:30 PM to 7:30 PM

Purpose of the Meeting



Project introduction



Present alternatives being considered



Obtain feedback on alternatives



Open house with no formal presentation

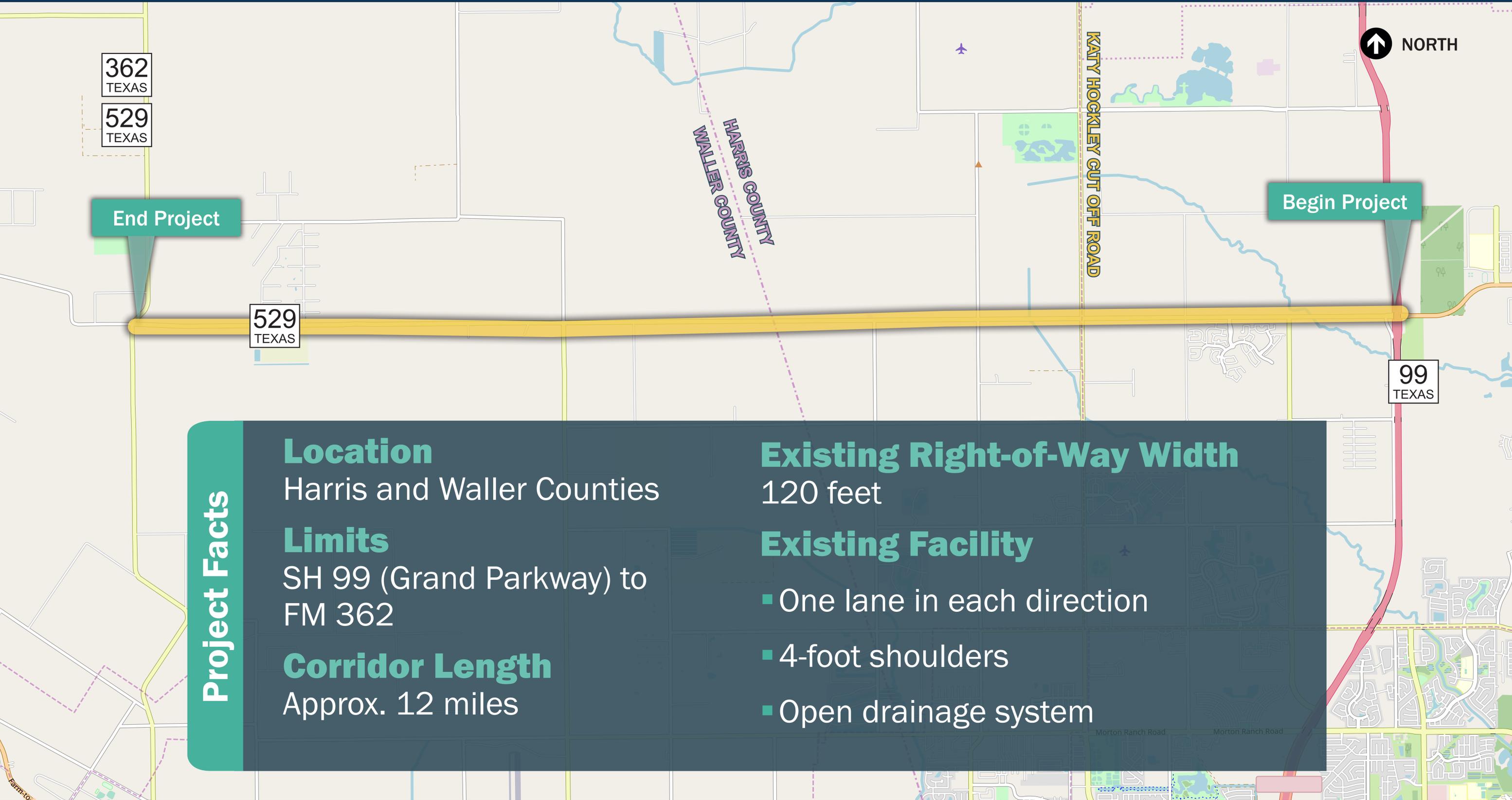


Project team available to answer questions





FM 529 Project Area Facts



Project Facts

Location
Harris and Waller Counties

Limits
SH 99 (Grand Parkway) to FM 362

Corridor Length
Approx. 12 miles

- Existing Right-of-Way Width**
120 feet
- Existing Facility**
- One lane in each direction
 - 4-foot shoulders
 - Open drainage system

What Are the Issues? Study Needs

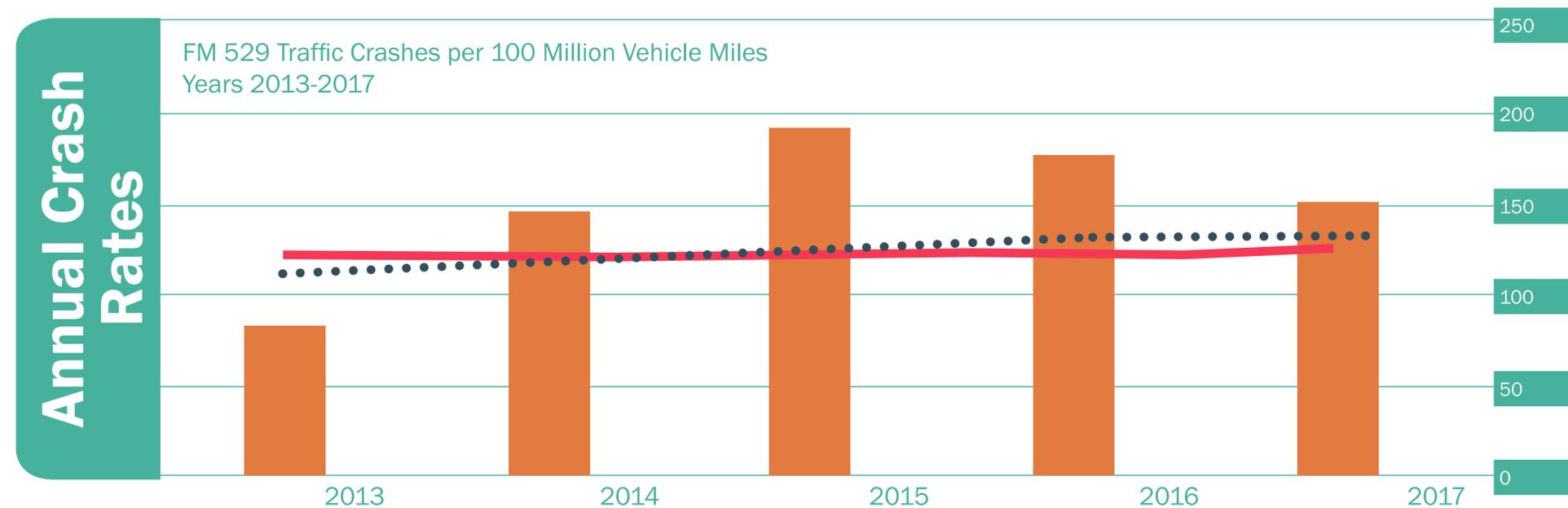
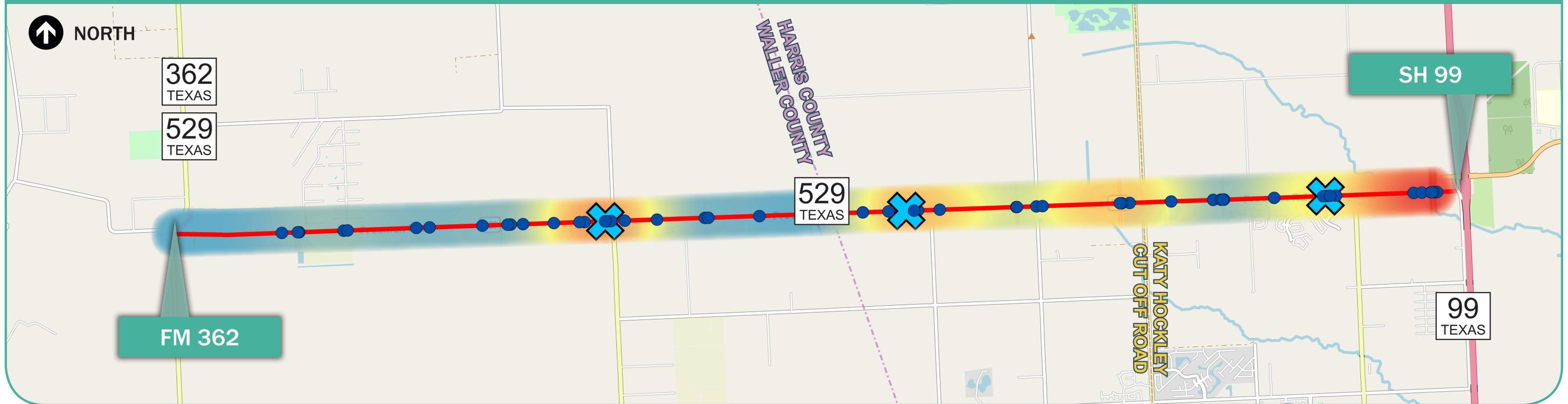
- Two-lane undivided roadway does not provide adequate mobility to accommodate projected traffic volumes
- Crash rates are higher than statewide average along the proposed project corridor

What Are We Trying to Do? Study Purpose

- Improve mobility within the study area
- Improve safety within the study area



Crash Severity and Density



Legends

Map Legend

- Non-Fatal Crashes
- X Fatal Crashes
- FM 529 Centerline

Severity Density

Value

- High (Red)
- Low (Blue)

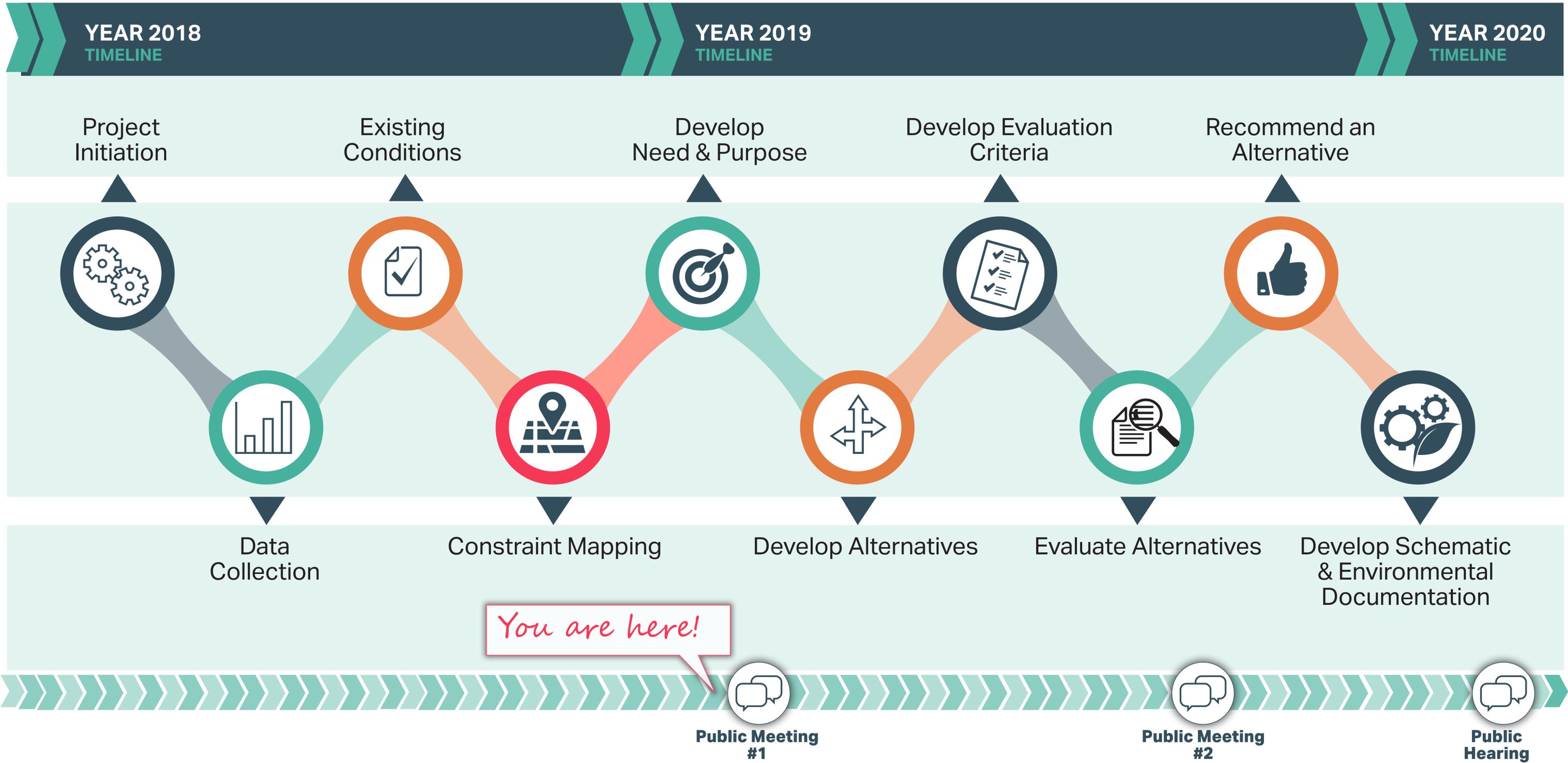
Chart Legend

- FM 529 Annual Crash Rate
- Annual Average State-wide Crash Rate
- TxDOT Statewide Crash Rate Average

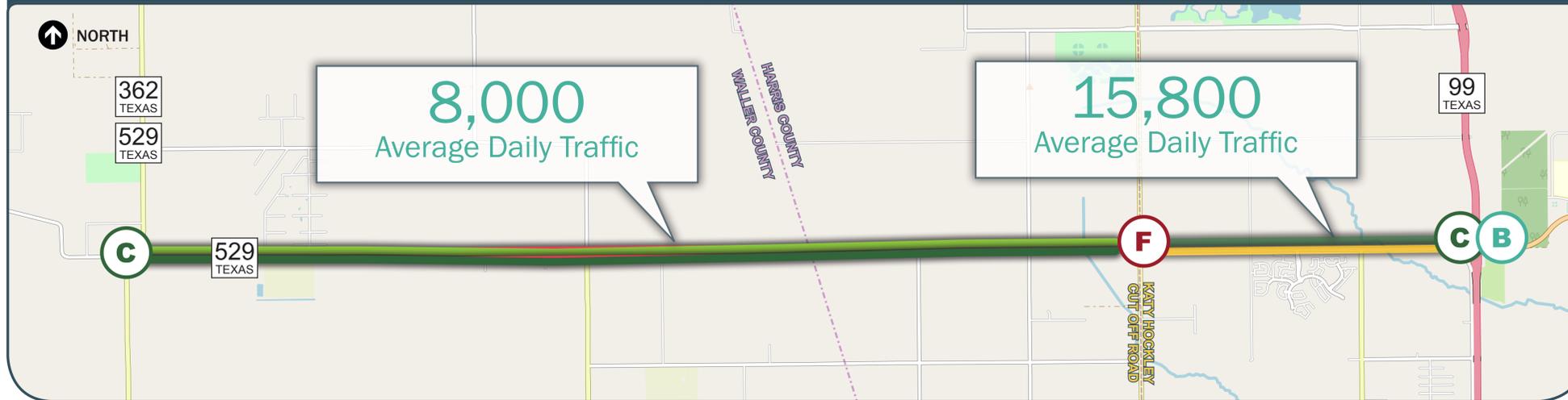
Source: Crash Record Information System, TxDOT 2013-2017



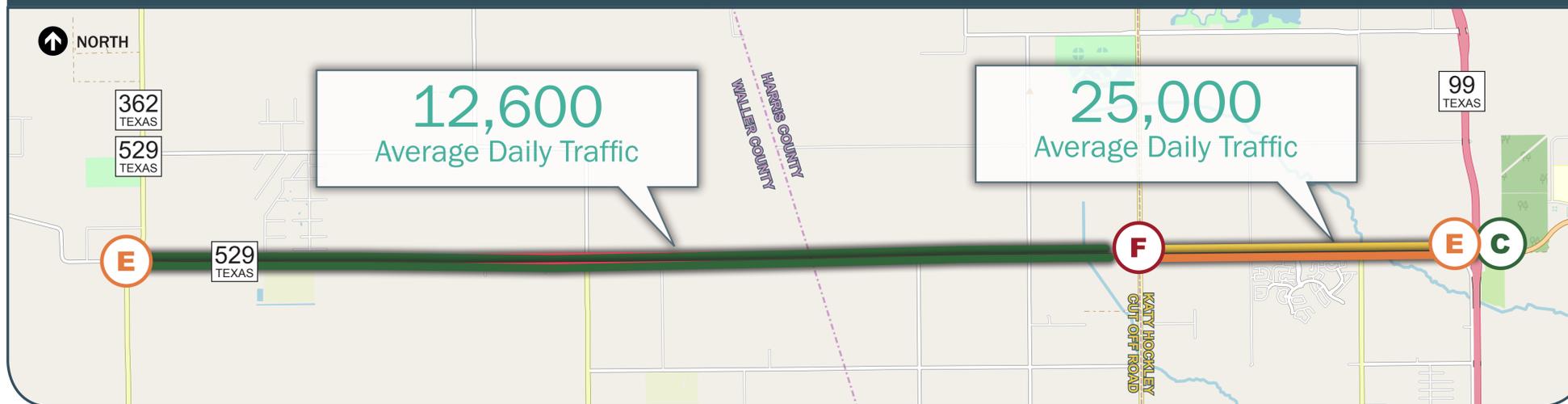
FM 529 Study Process



2018 Existing Level of Service



2045 No Build Level of Service



Intersection LOS Traffic Flow Conditions

- A Free Flow
- C Stable Flow
- E At Capacity, Unstable Flow
- B Reasonable Free Flow
- D Approaching Unstable Flow
- F Exceeding in Capacity, Breakdown Flow

Level of Service Definitions

A Free Flow Traffic
No Delays

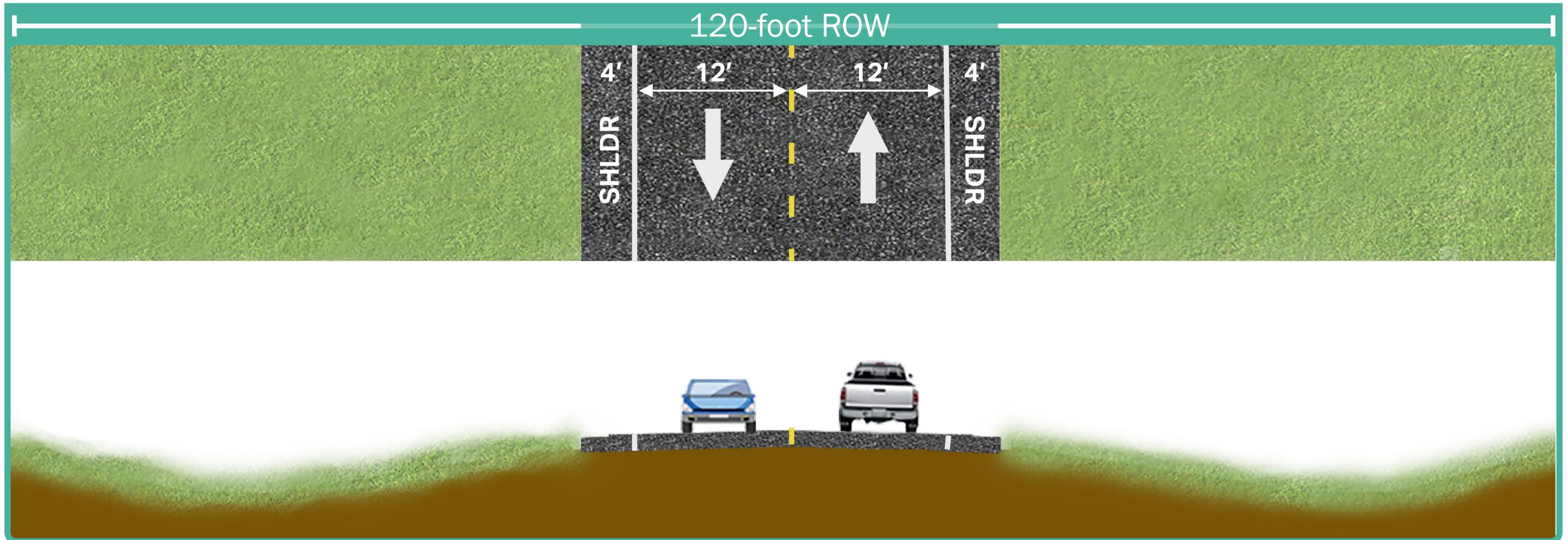
B Reasonably Free Flow
No Delays

C Stable Flow
Minimal Delays

D Speeds Begin to Decline:
Minimal Delays

E Traffic at Capacity
Significant Delays

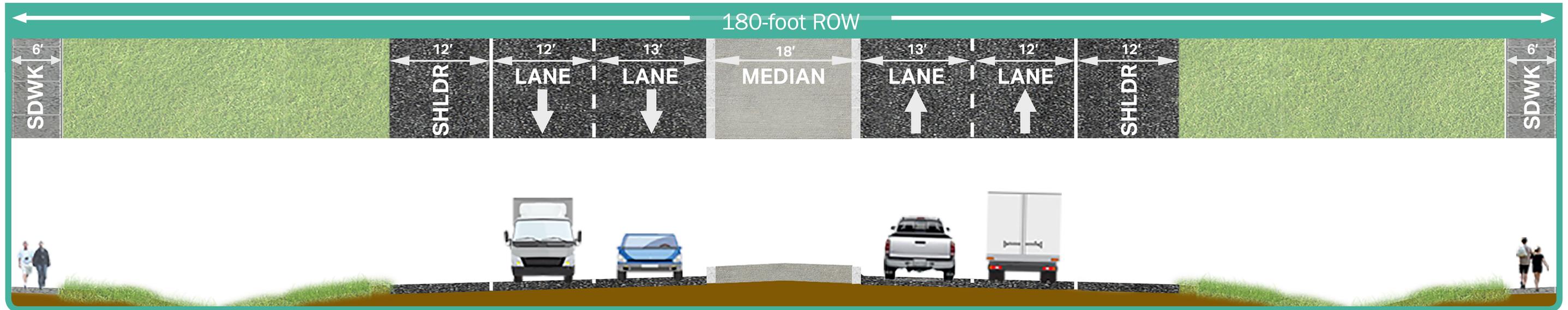
F Heaviest Congestion
Considerable Delays



Existing Typical Section

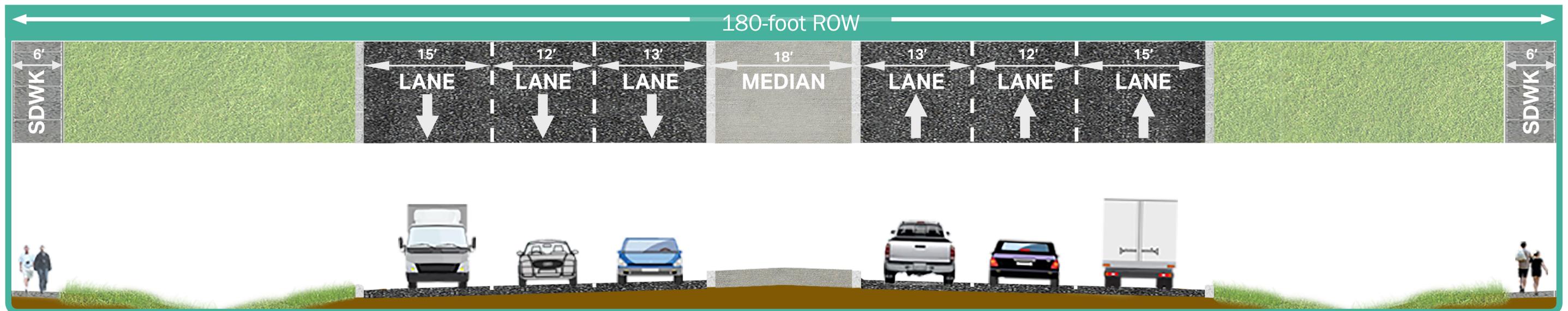
- Two undivided 12-foot wide travel lanes (one in each direction)
- 4-foot outside shoulders (SHLDR)
- Open ditches
- Typical right-of-way (ROW) width of 120-feet

FM 529 Proposed Typical Sections



FM 362 to Katy Hockley Cut Off Rd.

- Four travel lanes (two in each direction); inside lane would be 13 feet
- 18-foot median with openings
- 12-foot outside shoulders
- Open ditches
- 6-foot sidewalks (SDWK) in each direction
- Typical right-of-way width of 180-feet



Katy Hockley Cut Off Rd. to SH 99 (Grand Parkway)

- Six travel lanes (three in each direction); outside lane would be 15-foot shared-use lane
- 18-foot median with openings
- Open ditches
- 6-foot sidewalks (SDWK) in each direction
- Typical right-of-way width of 180-feet

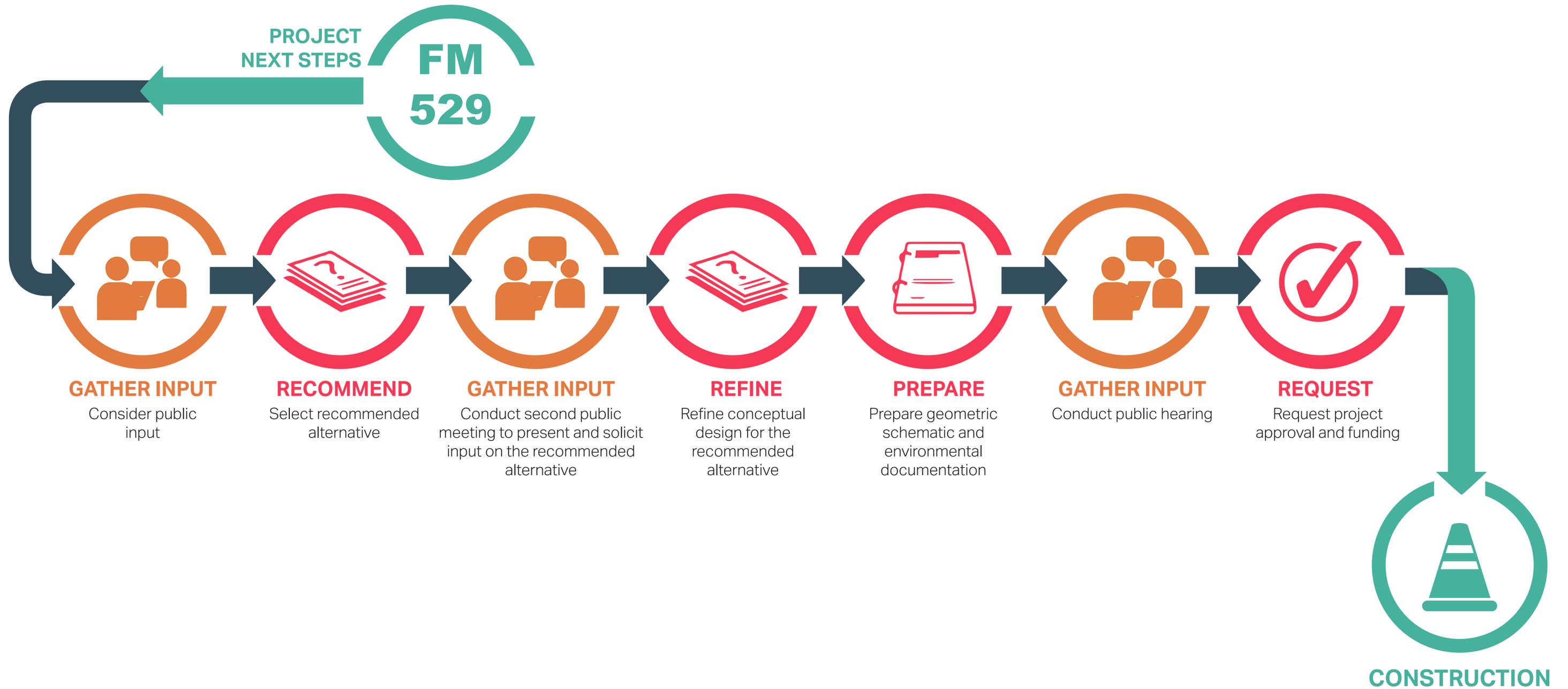


FM 529 Evaluation of Build Alternatives

Note: The No-build Alternative will be evaluated during the environmental review process.

Evaluation Criteria		Alternative 1	Alternative 2	Alternative 3		
		Widen to the North	Center Widening	Widen to the South		
	ROW Acreage of ROW required, in addition to the existing TxDOT ROW	87.5 ac	87.2 ac	87.2 ac		
	Utilities Linear feet of utilities impacted	1 Electr. Trans. Line: 48,480 LF1 Gas Pipeline: 22,145 LF				
	Count of major utility crossings	2 Trans. Towers 8 Elect. Trans. Lines	11 Gas Pipelines 4 Crude Oil Pipelines	1 Trans. Tower 8 Elect Trans. Lines	11 Gas Pipelines 4 Crude Oil Pipelines	8 Elect Trans. Lines 11 Gas Pipelines
	Traffic Control / Constructability High/Neutral/Low traffic control/constructability impacts	Low	Medium	Low		
	Drainage Assessment High/Neutral/Low drainage impacts	Neutral	Neutral	Neutral		
	Waters of the United States, including Wetlands Linear feet of streams, creeks, bayous, etc., impacted	24,168 LF	31,772 LF	37,497 LF		
	Acreage of wetlands impacted (as mapped by NWI)	6.9 ac	5.3 ac	4.1 ac		
	Floodplains Acreage of 100-yr floodplains impacted	56.4 ac	59.3 ac	62.3 ac		
	Floodway Acreage of floodways impacted	64.5 ac	59.5 ac	54.4 ac		
	Hazardous Materials Count of potential hazmat sites	7	7	7		
	Number of Structures Displacement Count of residential displacements	1	0	3		
	Count of business displacements	0	3	7		
	Count of other displacements	3	3	3		
	Cultural Resources Acreage of surface survey recommended	9.4 ac	12.4 ac	15.7 ac		
	Count of National Register of Historic Places sites impacted	0	0	0		
	Environmental Justice Communities Count of Minority Census Blocks impacted	3	7	4		

FM 529 Improvements Next Steps



All Comments must be submitted by May 15, 2019

 Comments can be provided:

Tonight

In the comment box



By Email

Submit to:
[hou-piowebmail@txdot.gov](mailto:houstonpiowebmail@txdot.gov)



By Mail

TxDOT Houston District
Attn: Director of Project Development
P.O. Box 1386
Houston, Texas 77251-1386



Online

<https://www.txdot.gov/inside-txdot/projects/studies/houston/fm529-sh99-to-fm362.html>

