



SH 144 Feasibility Study

CSJ: 0386-01-028

Public Meeting #2

November 21, 2019

5:30 pm – 7:30 pm



SH 144

Feasibility Study

Objectives



Paluxy River Crossing Concerns:

- Currently, there is only one crossing of the Paluxy River along SH 144.
- If the current bridge became unusable, for whatever reason, users would have to drive over 15 miles for an alternative route.

Study Objectives:

- Evaluate the need and viability of a second crossing of the river.
- Gain early input into local conditions and issues.

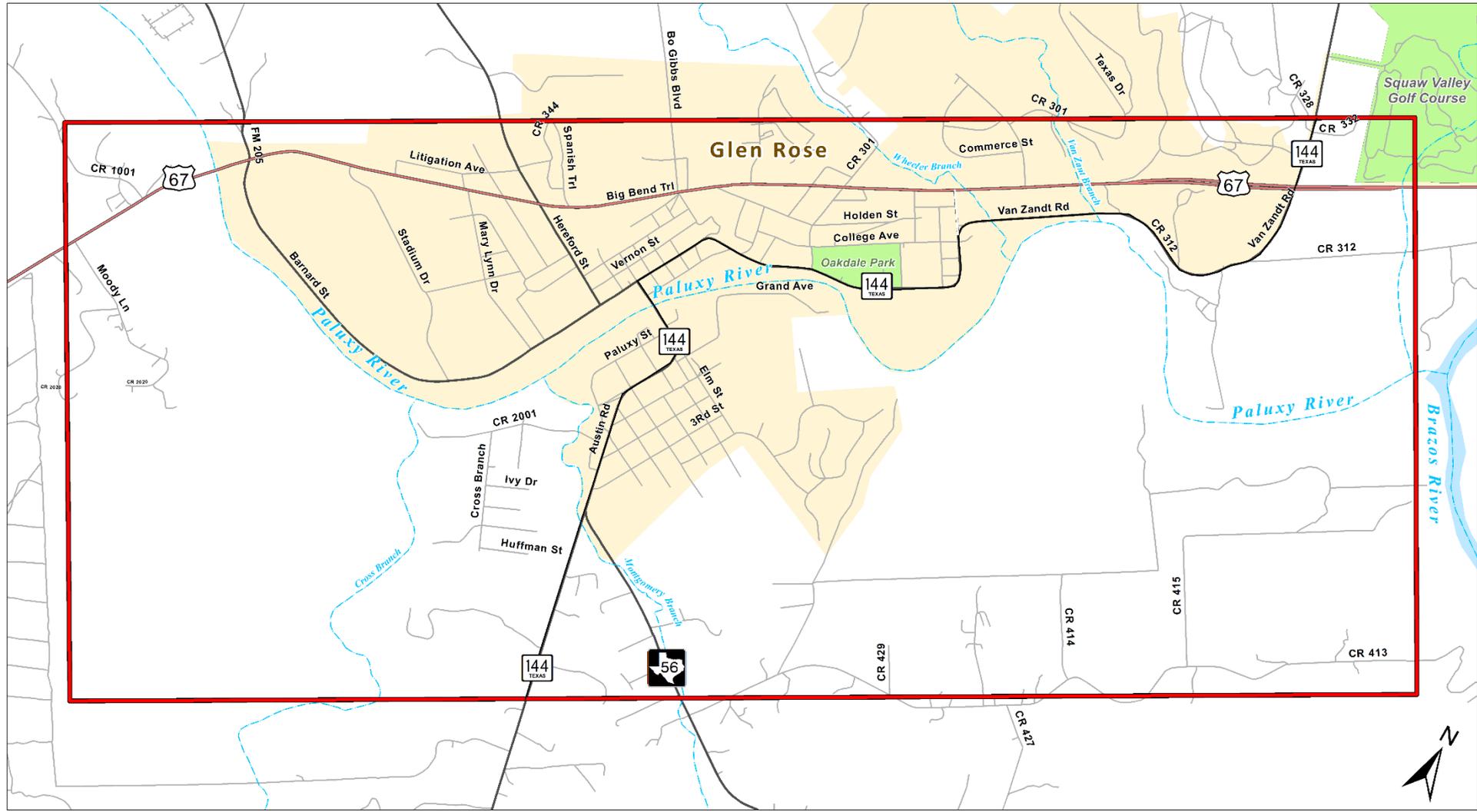


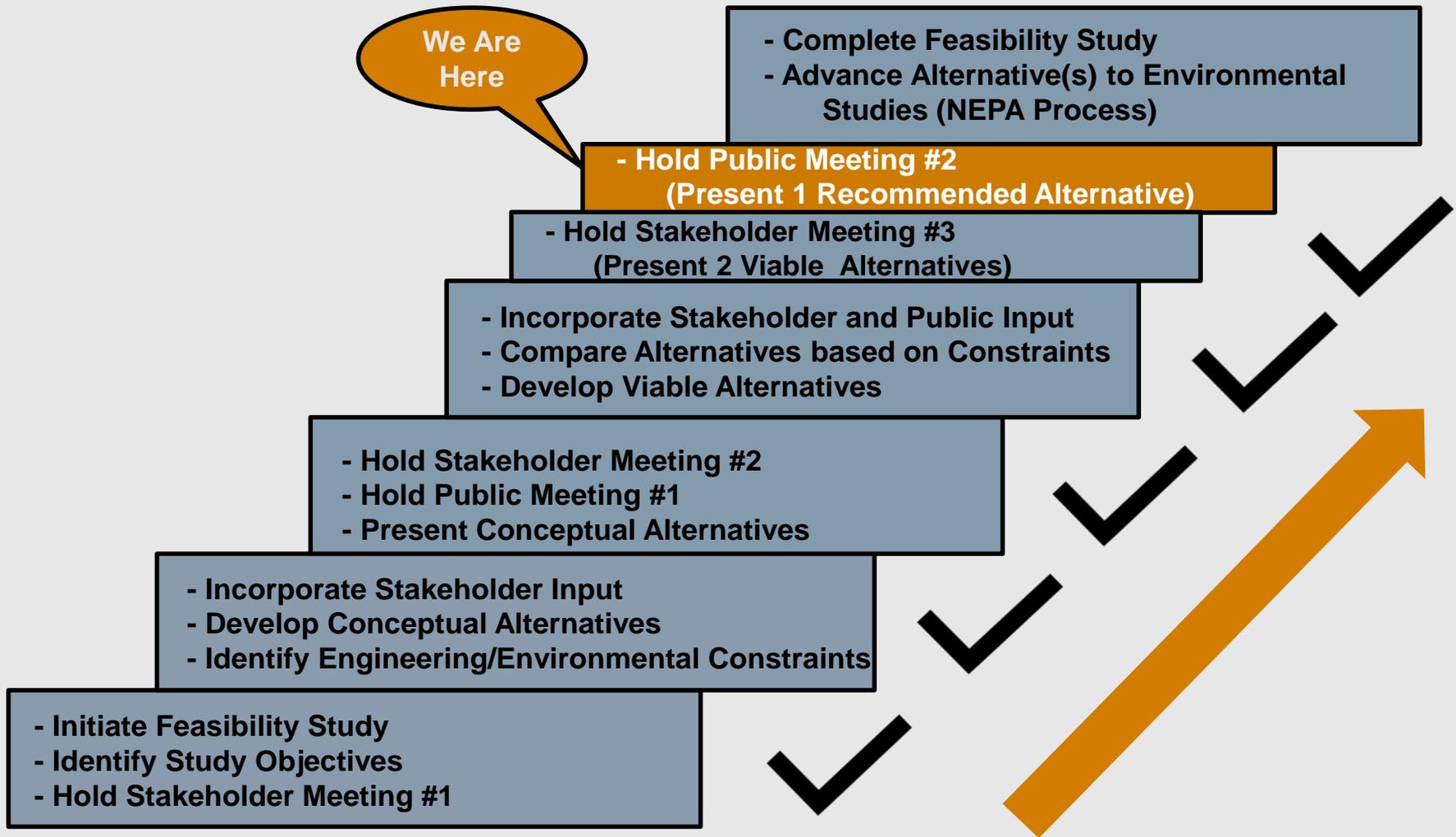
SH 144

Feasibility Study

Recap

Study Area - Provided below in red is the SH 144 Study Area







Stakeholder Meeting #1

October 3, 2017



Question 1: What transportation issues need to be addressed through this study

Summary of Responses:

- Truck and vehicle traffic through town
- Only one river crossing
- Emergency evacuation in case of a nuclear breach
- Morning school traffic queueing
- Growth of county – increase in traffic
- Future 4-lane divided highway
- Congestion



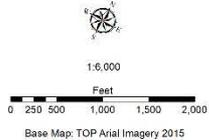
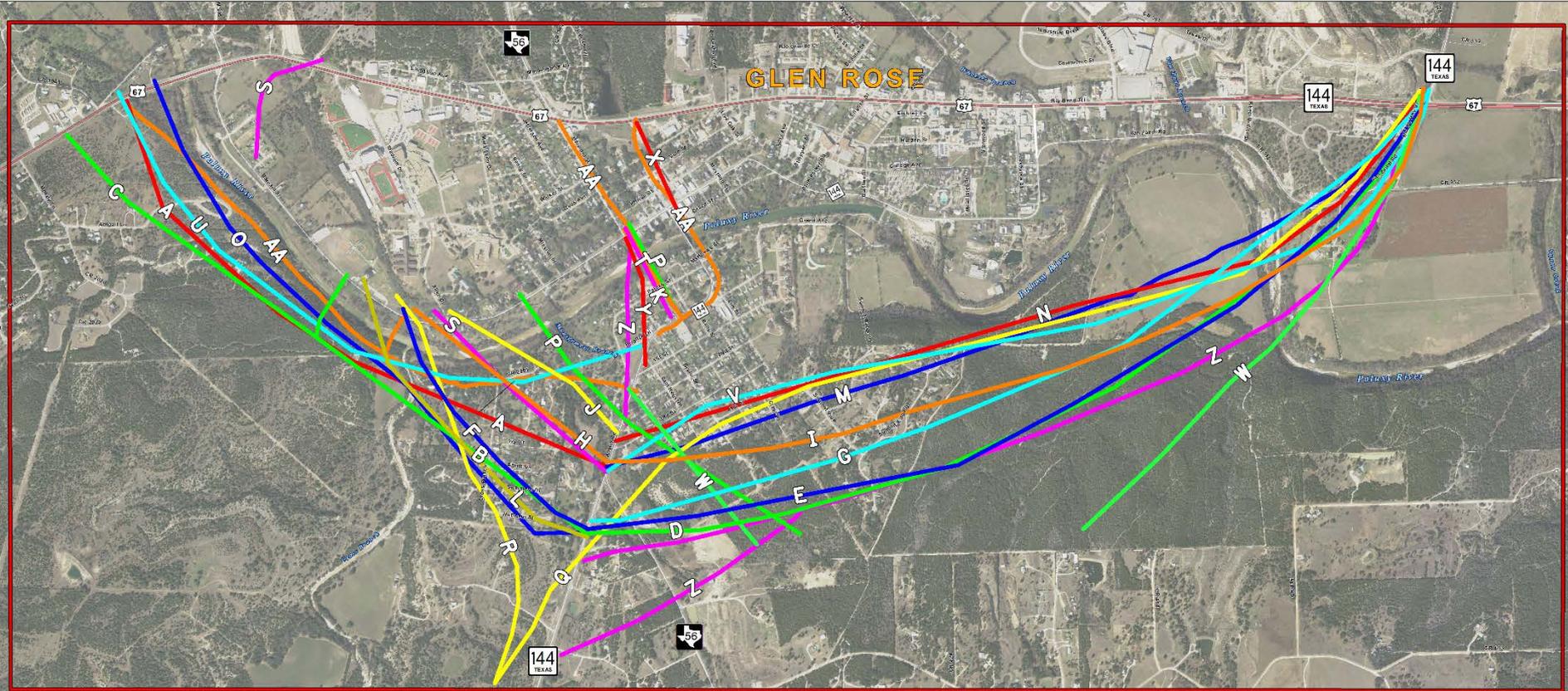
Question 2: What are the most important benefits that would result from an additional bridge crossing?

Summary of Responses:

- Reduced truck and vehicle traffic through town
- Creation of an alternate emergency/evacuation route
- Less congestion
- Increase Safety
- Reduce school traffic queueing
- Increase EMS and law enforcement access



Questions 3&4: Using the map below, indicate a potential location for an additional bridge crossing.



Multiple line colors and letters indicate alternatives provided by the stakeholders at Stakeholder Meeting #1





Question 5: What are your comments or concerns with an additional bridge crossing across the Paluxy River?

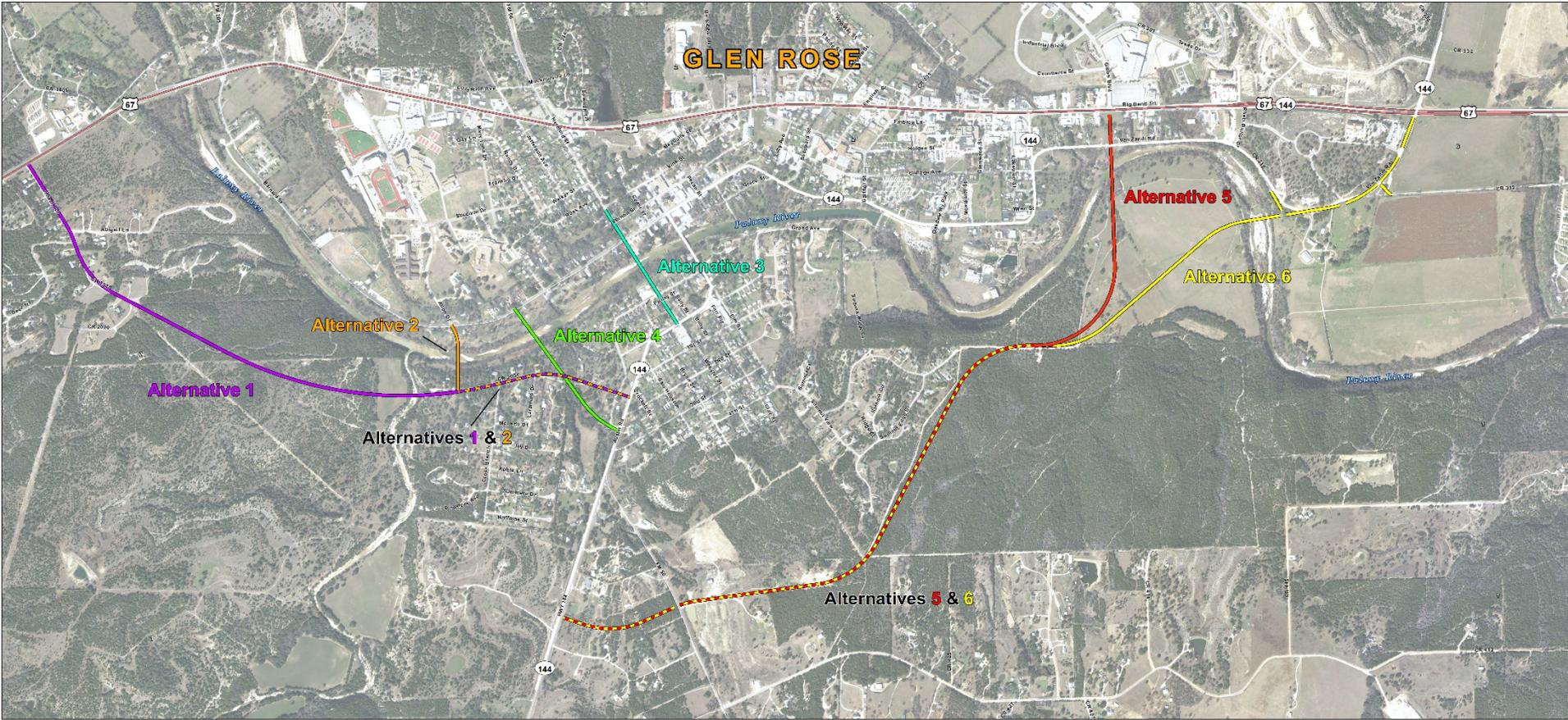
Summary of Responses:

- Concern - Right-of-way requirements/losing property
- Comment - Construction timing – we need it now
- Comment - Support the concept
- Concern - Need new crossing for safety
- Concern – Need new crossing to reduce congestion
- Comment - Second crossing should not be in town
- Concern - Need to reduce school traffic



Stakeholder Meeting #2
February 15, 2018
&
Public Meeting #1
March 22, 2018

Six Conceptual Alternatives and the No Build were shown





Results:

- Public Comments received – **198**
 - **91** comments from comment forms
 - **107** comments from survey forms

Preferred Alternative:

- Alternative 6 ranked the highest
 - **110** in favor of the alternative
- Alternative 5 ranked second
 - **77** in favor of the alternative
- Alternative 3 ranked third
 - **35** in favor of the alternative



SH 144 Feasibility Study Conceptual Alternatives Ranking Matrix

Evaluation Criteria	Units	No-Build*	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6
Transportation Performance								
Alternate Evacuation Route	1 is best; 6 is worst		3	6	6	6	1	1
Conflict Points (High is worst)	1 is best; 6 is worst		1	6	3	6	1	1
Parcels Impacted	1 is best; 6 is worst		6	4	2	1	3	4
Human Environment Impacts								
Community Facility	1 is best; 6 is worst		1	1	3	1	1	1
Utility	1 is best; 6 is worst		1	1	3	1	1	1
Residential Structures	1 is best; 6 is worst		1	3	6	4	2	1
Socioeconomic Impacts								
Neighborhood Cohesion	1 is best; 6 is worst		3	3	3	1	1	1
Environmental Justice	1 is best; 6 is worst		1	3	3	3	1	1
Known Historic Resources**	1 is best; 6 is worst		1	2	4	3	4	3
Natural Environment Impacts								
Potential Water Resources Impacts	1 is best; 6 is worst							
100-Year Floodplains	1 is best; 6 is worst		1	2	3	4	5	6
Stream/Creek Crossings	1 is best; 6 is worst		4	3	1	2	4	4
Threatened/Endangered Species Habitat Potential	1 is best; 6 is worst		3	1	1	1	3	3
Public Input From Comments Received (Public Meeting #1)								
Prefer Alternative	1 is best; 6 is worst		4	5	3	6	2	1
Ranking Totals	Lower # is better		30	40	41	39	29	28

*Grey highlight indicates alternative did not meet goals and objectives, and therefore was not evaluated further



Differentiators:

- Effectiveness as Evacuation Route
- Level of Safety Improvements (based on conflict points)
- Potential Impacts to:
 - Parcels
 - Community Facilities
 - Utilities
 - Residential Structures
 - Neighborhoods, including Environmental Justice Populations
 - Historic Resources
 - Floodplains and Creeks
 - T&E Habitat

Preferred Conceptual Alternative: Alternative 6



Results continued:

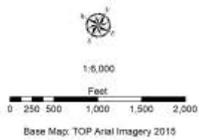
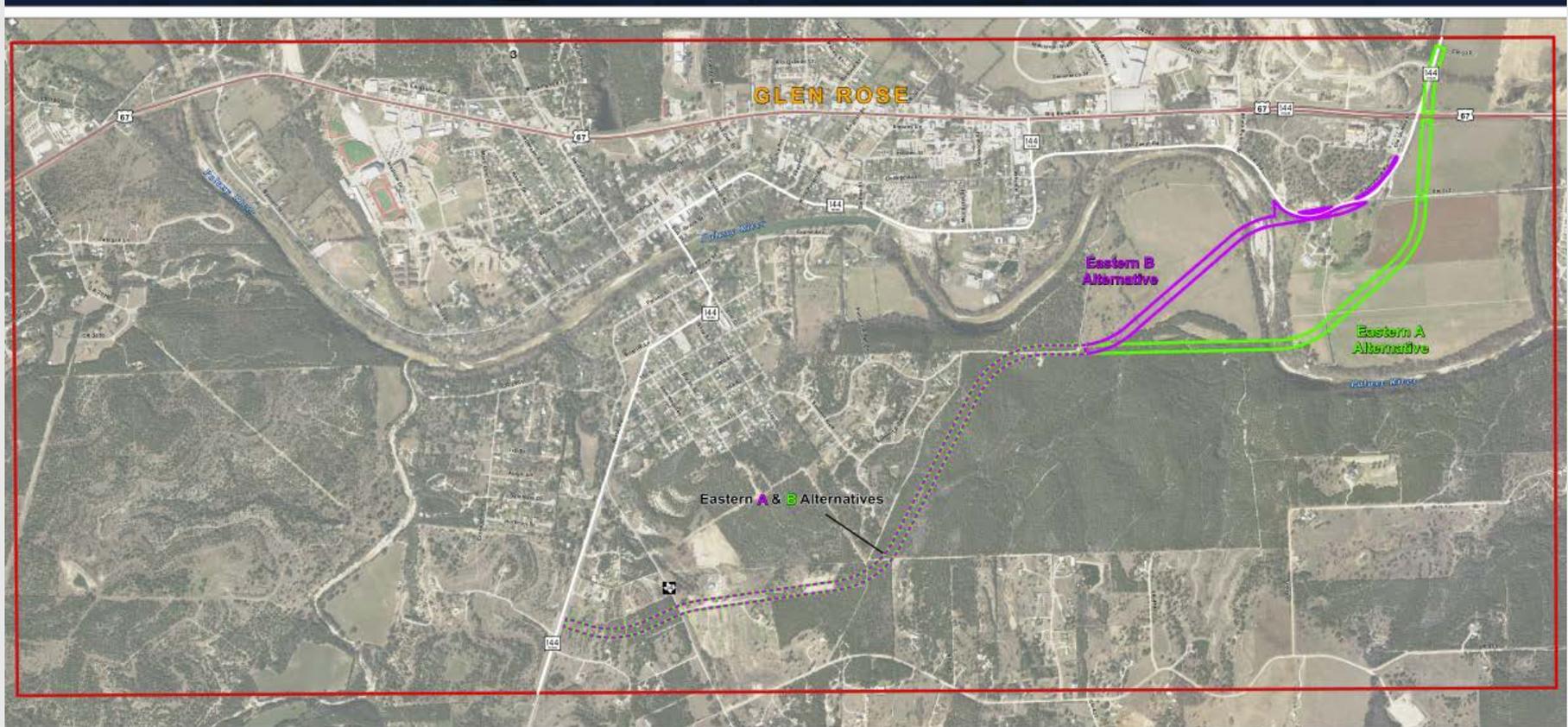
- Alternatives 1, 2, 3, 4, and 5 removed from further study
- Alternative 6 carried forward as the highest-ranking alternative
- Revisions made to address public comments, resulting in 2 Viable Alternatives - Eastern Alternative A & Eastern Alternative B
- Presented to Stakeholders at Stakeholder Meeting #3



Stakeholder Meeting #3

September 4, 2019

Two Viable Alternatives and No Build presented to Stakeholders



- Study Area
- Eastern A Alternative
- Eastern B Alternative



Analysis of 2 Viable Alternatives including Stakeholder Comments



Evaluation Criteria	Units	No-Build	Eastern A Alternative	Eastern B Alternative
Addresses Goals and Objectives*	Yes/No	No*		
Transportation Performance				
Alternate Evacuation Route	1 or 2 (1 is best)		1	1
Conflict Points	1 or 2 (1 is best)		1	1
Parcels Impacted	1 or 2 (1 is best)		2	1
Human Environment Impacts				
Commercial Properties	1 or 2 (1 is best)		1	2
Residential (# of Parcels)	1 or 2 (1 is best)		1	1
Prime/Unique Farmland Soils	1 or 2 (1 is best)		1	2
Historic Properties and Districts - NRHP Listed and Eligible	1 or 2 (1 is best)		1	2
Meridian Highway - NRHP-eligible segments	1 or 2 (1 is best)		1	2
Natural Environment Impacts				
100-Year Floodplains	1 or 2 (1 is best)		2	1
Stream/Creek Crossings	1 or 2 (1 is best)		1	2
Public Support				
Level of Stakeholder Support	1 or 2 (1 is best)		1	1
* Green highlight indicates alternative did not meet goals and objectives, and therefore was not				



Results:

- Stakeholders liked both Viable Alternatives, but had issues on their end points
- Several comments were made that the southern intersection with SH 144 should be revised to allow easier turning for trucks
- Several comments were made regarding the northern intersection with SH 144

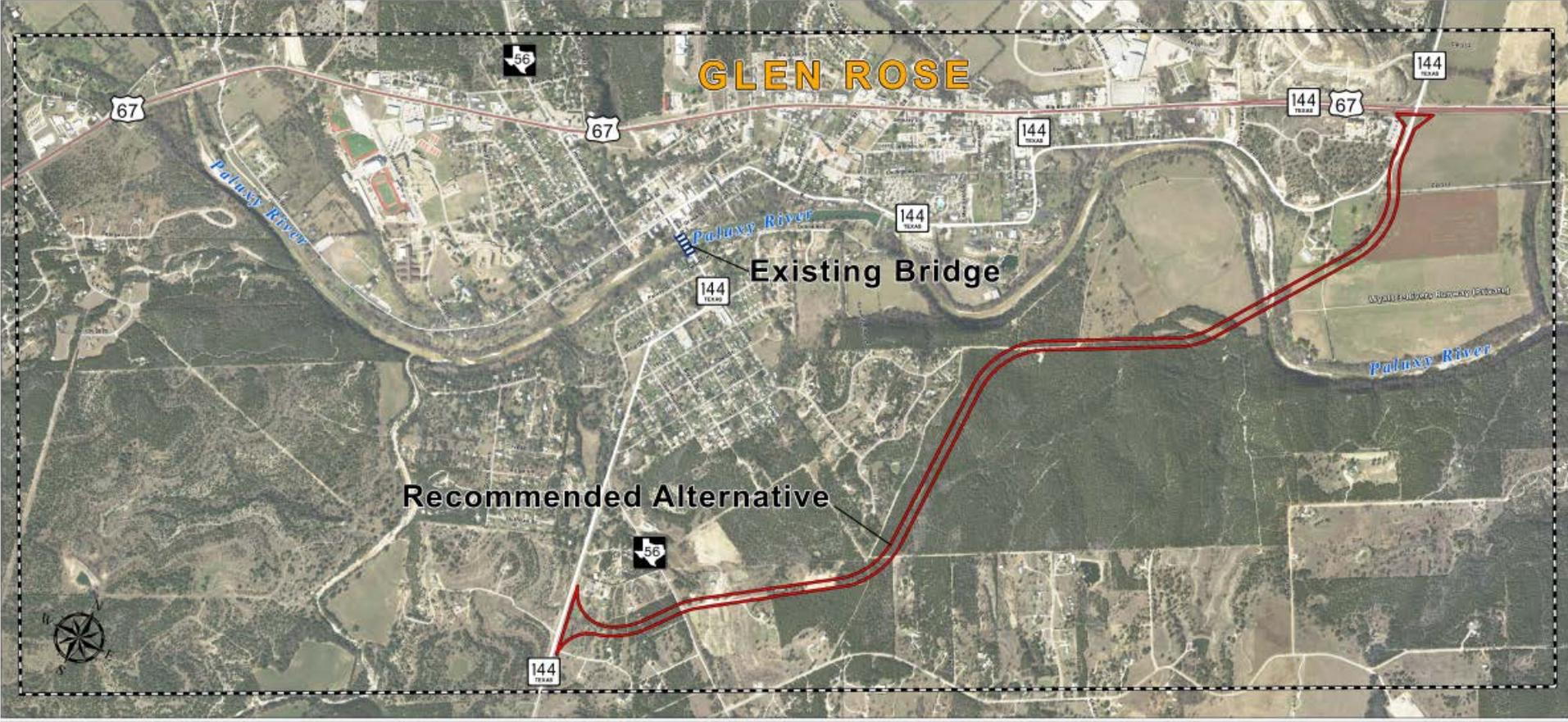
Recommended Alternative (including No-Build):

- Engineering and environmental analyses of 2 Viable Alternatives were conducted
- Based on the comments from Stakeholder Meeting #3, revisions were made, resulting in the Recommended Alternative
- Recommended Alternative carried forward for public comment

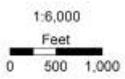


Recommended Alternative

Recommended Alternative



- Study Area
- Proposed Right-of-way
- Existing Bridge



Base Map: TOP Aerial Imagery 2015





SH 144 Feasibility Study Recommended Alternatives Information

Evaluation Criteria	Units	No-Build	Recommended Alternative
Addresses Goals and Objectives*	Yes/No	No*	
Alternate Evacuation Route	Yes/No		Yes
Construction Cost	Estimated Cost		\$24,949,932
Estimated ROW Cost	Estimated Cost		\$760,718
Parcels Impacted	Estimated Number		17
Impacts to Historic Properties and Districts	Low/Medium/High		Low
Known Historic Resources	Low/Medium/High		Low
Impacts to 100-Year Floodplains	Approximate Acres		5.7
Level of Public Support	Low/Med/High		TBD

* Green highlight indicates alternative did not meet goals and objectives



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***Thank You for Your
Participation!***

