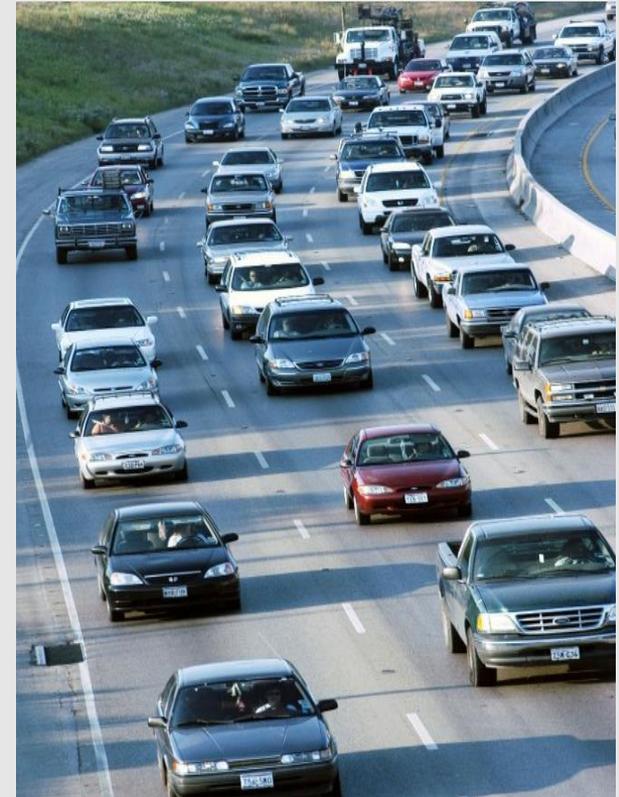




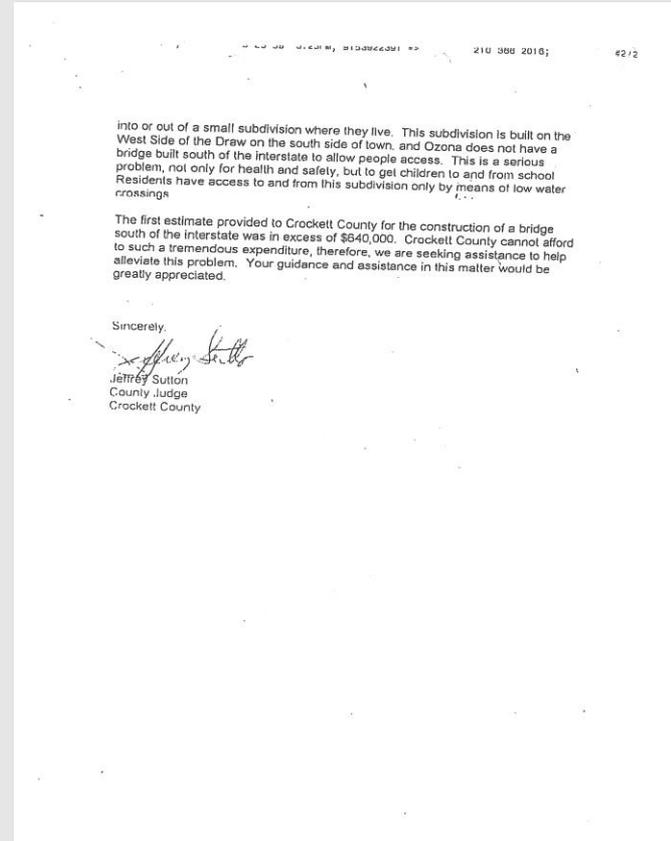
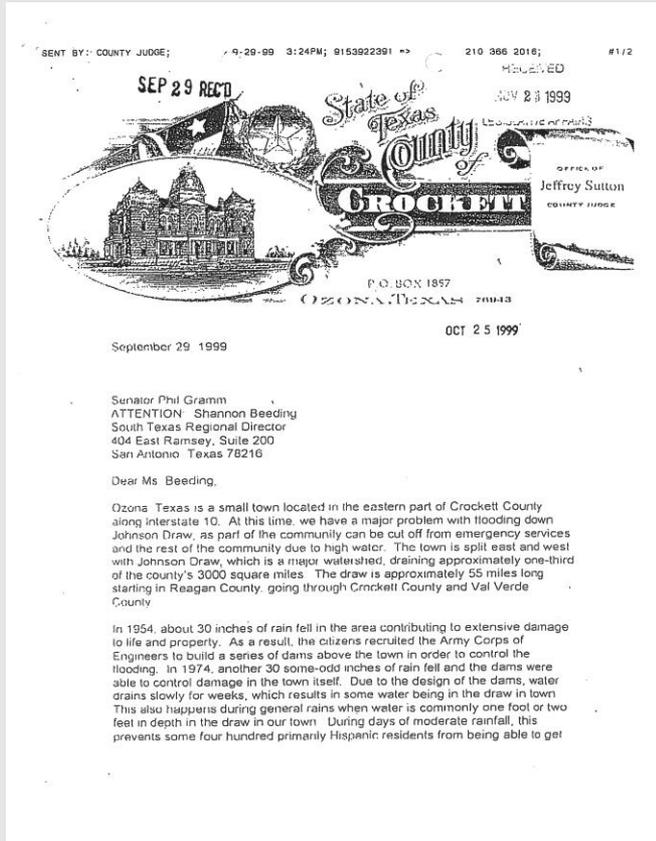
# IH 10 FRONTAGE ROAD EXTENSION CROCKETT COUNTY/OZONA

Presentation to Crockett County Commissioner's Court  
Public Meeting  
March 13, 2018



# Background

Crockett County has expressed interest in providing access to the Chandlerdale West subdivision at various times since 1999.



# Background

SUNSHINE ACT OFFICE

015-387-3443

06'99 11:11 No.001 P.01



Texas Department of Transportation

4502 KNICKERBOCKER ROAD • SAN ANGELO, TEXAS 76904 • (915) 944-1501

September 22, 1999

Honorable Jeffrey Sutton  
County Judge, Crockett County  
P.O. Box 1857  
Ozona, Texas 76943

Judge Sutton:

We have reviewed the resolution adopted by the Crockett County Commissioner's Court on August 9, 1999 requesting the extension of the south frontage road of Interstate 10. We understand the county's need to provide improved access to the Chandlerdale West addition and appreciate the opportunity to work with you towards this goal.

TxDOT's policy in this area is drawn from Texas Administrative Code §15.54 governing construction of transportation facilities (please refer to attached copy of this document). Specific language addressing additional frontage road construction establishes criteria for TxDOT participation for such a request. This particular situation would allow construction of the desired extension funded wholly by Crockett County. Specifically, paragraph 3.C.1 best summarizes the nature of this request: "if the frontage road construction primarily provides new or improved access to abutting property... (This type of addition would provide limited benefits to the general traveling public)."

This code does allow TxDOT to conduct the planning, design and construction of frontage road extensions meeting this criteria at the expense of the sponsoring governmental agency. A rough preliminary estimate of the requested extension indicates that the cost of this project, including preliminary engineering and construction administration costs, would be \$1.8 million. This estimate represents anticipated costs for a bridge and approach roadway necessary to connect the existing frontage road to the Chandlerdale West addition. It will be necessary to develop an agreement with TxDOT outlining the responsibilities of each party in this endeavor. We will be available to discuss this option in more detail at your convenience should Crockett County elect to pursue this option. Please contact me or John DeWitt at (915)944-1501 if you have any questions or would like to schedule a meeting to discuss this matter further.

Thank you for your interest in our programs. We look forward to partnering with Crockett County on future projects in your area.

Sincerely,

Walter G. McCullough, P.E.  
District Engineer  
San Angelo District

cc: Paul Chevallier, P.E.  
Hector Delloyos

file  
9/22/99  
MB  
BEB  
DS  
JP

State and Federal regulation, unchanged over this time frame, preclude expenditure of highway construction funds for this purpose as summarized in letter from Walter McCullough to Judge Jeffrey Sutton, dated 9/22/1999.



# Background

COMMUNICATIONS OFFICE

015-387-3443

06'99 11:11 No.001 P.01



Texas Department of Transportation

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Sincerely,

Waller G. McCullough, P.E.  
District Engineer  
San Angelo District

cc: Paul Chevallier, P.E.  
Hector Delloyos

## TAC 15.54:

“...if the frontage road construction primarily provides new or improved access to abutting property...(This type of addition would provide limited benefits to the general traveling public).”



# The Path Forward



May 20, 2016

John DeWitt, P.E.  
Department of Transportation

RE: Crockett County Letter of Interest

John,

The Commissioner's Court of Crockett County met on May 9, 2016 for a regular meeting. The court authorized this letter of interest in favor of the Proposal #3 presented by the Texas Department of Transportation. Proposal #3 suggested an extension of the frontage road to Rio Grande Street with a ramp to Interstate Hwy 10 in exchange or trade for Ranch Road 1973 and Farm Road 1964, and a local contribution of \$300,000.

Goals

- To provide the Citizens of the County safe all weather access to Chandler Dale West Subdivision
- To provide safety to the traveling public with the installation of a longer exit ramp that provides ingress and egress to the all-weather frontage road (Approximately 24,000 vehicles travel this section of Interstate Hwy 10 per day)
- To request a review of TXDOT rules for funding of the exit ramp in the amount of \$300,000

Thank you,

Fred Deaton  
Crockett County Judge

cc: Andrew Murr, State Representative District 53



## COUNTY OF CROCKETT

January 20, 2017

Mark Jones  
District Engineer, TxDOT San Angelo District

Mark,

Thank you and John DeWitt for meeting with Commissioner Childress and myself on December 6<sup>th</sup> to discuss the Crockett County Letter of Interest in Proposition #3: to build a Bridge, a Frontage Road and Exit Ramp. In these discussions we agreed to:

- FHWA has given approval to TxDOT for this project
- TxDOT to fund \$300,000.00 to build the Exit Ramp from Interstate to Frontage Road approximately 1350'
- TxDOT to release Farm Road 1964 to Crockett County in exchange for extended Frontage Road
- TxDOT to release Ranch Road 1973 to Crockett County in exchange for building Bridge
- TxDOT to convert Frontage Road from new Exit Ramp to Highway 163 to one way
- TxDOT to list new Exit as primary to Highway 163
- Plans to be ready for Public Hearings in Spring 2017
- Project to be shovel ready by end of 2017
- Awaiting funding and placement on Project Calendar

If I am incorrect or have omitted anything, please feel free to advise me. Thank you for your partnership in this project as it is very important to our County.

Thank you,

Fred Deaton  
Crockett County Judge

cc: Andrew Murr, State Representative, House District 53  
John DeWitt, TX Dot Engineer  
Crockett County Commissioners



Develop a plan that balances the need for access to the community west of Johnson Draw with improved and safe access to Ozona/SH 163 in a manner that conforms with current TxDOT design standards and practices regarding Interstate facilities.



TxDOT has recently proposed a new approach to mitigate the capital cost to Crockett County:

TxDOT will fund and construct a frontage road extension in exchange for Crockett County accepting operation and maintenance of RM/FM mileage representative of the anticipated construction cost



Extension of the existing frontage road will necessitate it's conversion to one-way operation.



# Project Location

EXISTING IH 10, OZONA, TX.



PROPOSED IH 10, OZONA, TX.



**Project Location:**  
 Highway: IH 10  
 County: Crockett  
 Limits: From: 0.25 mi. West of Rio Grande St.  
 To: SH 163 in Ozona

**Project Goals:**

- Increase safety of IH 10 Eastbound exiting traffic.
- Allow safe entry and exit for the community south of IH 10 and west of Johnson Draw during flood conditions.

**Project Specifics:**

- Extension of the eastbound IH 10 frontage road and relocation of the Exit 365 ramp to a point west of Johnson Draw to allow for more deceleration time and weaving distance between IH 10 and SH 163.
- Construction of a bridge that will allow passage during flood events.
- Converting the east bound frontage road west of SH 163 to one way traffic.

**Expected Project Timeline:**

- Project is scheduled to let August, 2018.
- Construction expected to begin Fall, 2018 and last one year.

**Public Meeting:**  
 Location: Crockett County Courthouse, Ozona, Tx.  
 Date/Time: Tuesday, March 13, 2018 from 5:30-7:00 PM

For further information please contact one of the following:

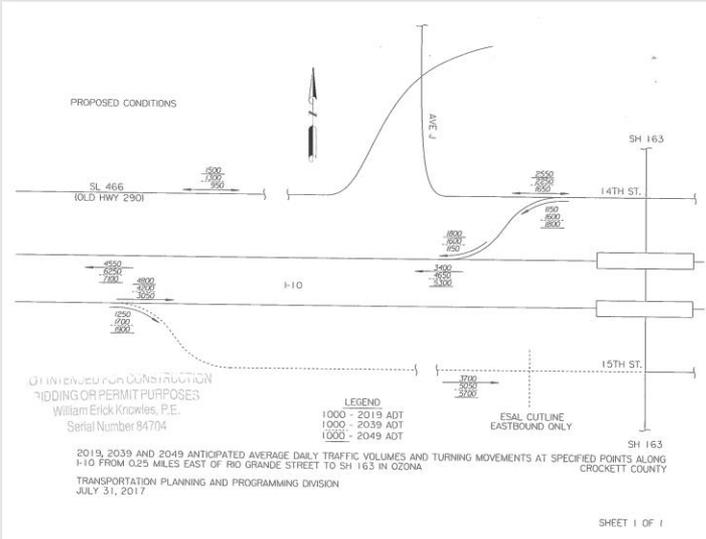
Becki Perkins  
 Environmental Specialist  
 (325)947-9261  
 becki.perkins@txdot.gov

Ricardo Sanchez, P.E.  
 Transportation Engineer  
 (325)947-9323  
 ricardo.sanchez@txdot.gov

John DeWitt, P.E.  
 Director of Transportation Planning and Development  
 (325)947-9265  
 john.dewitt@txdot.gov



# Traffic Data



## Traffic notes:

- Projected traffic on the frontage road is 3700 VPD (total, both directions in 2019). It is projected to increase to 5050 VPD in 2039, and 5700 VPD in 2049.

### TRAFFIC ANALYSIS FOR HIGHWAY DESIGN

San Angelo District July 31, 2017

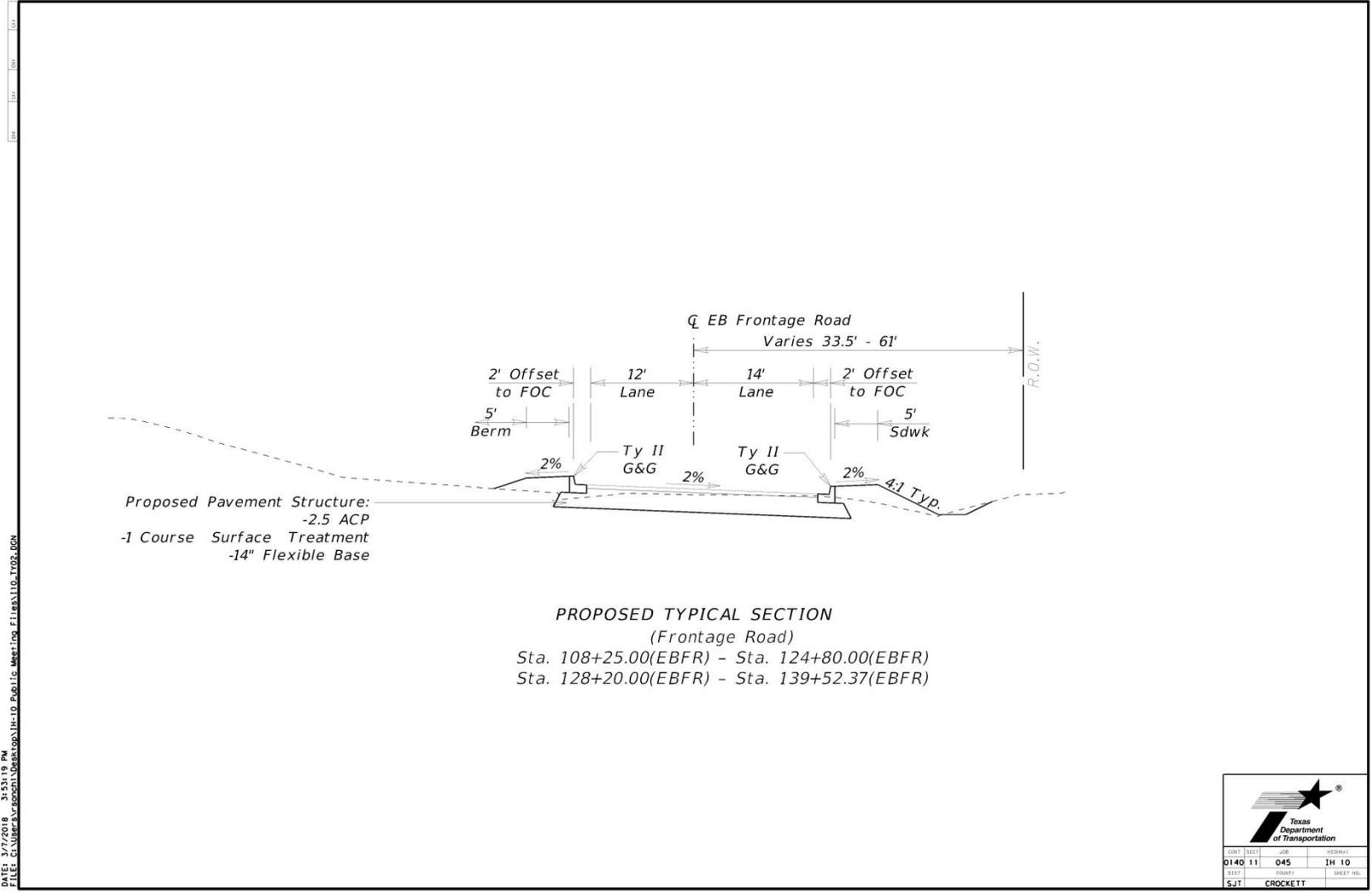
Description of Location	Average Daily Traffic		DK Dist %	K Factor	Percent Trucks ADT	Percent Trucks OHV	ATHWLD	Percent Tandem Axles in ATHWLD	Total Number of Equivalent 18k Single Axle Load Applications Two Directions Expected for a 30 Year Period (2019 to 2049)			
	2019	2039							Flexible Pavement	Rigid Pavement	SLAB	
I-10 Proposed Eastbound Extension Road From 0.25 Miles East of Rio Grande Street To SH 163 in Ozone Crockett County	3,700	5,050	100-0	13.1	18.5	13.9	11,100	40	4,280,000	3	5,430,000	8"
Data for Use in Air & Noise Analysis												
Vehicle Class		Base Year										
		% of ADT	% of OHV									
Light Duty		81.5	88.5									
Medium Duty		9.8	7.4									
Heavy Duty		8.7	6.5									
Description of Location	Average Daily Traffic		DK Dist %	K Factor	Percent Trucks ADT	Percent Trucks OHV	ATHWLD	Percent Tandem Axles in ATHWLD	Total Number of Equivalent 18k Single Axle Load Applications Two Directions Expected for a 30 Year Period (2019 to 2049)			
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I-10 Proposed Eastbound Extension Road From 0.25 Miles East of Rio Grande Street To SH 163 in Ozone Crockett County	3,700	5,700	100-0	13.1	18.5	13.9	11,100	40	6,888,000	3	8,760,000	8"

NOT INTENDED FOR CONSTRUCTION BIDDING OR PERMIT PURPOSES  
William Erick Knowles, P.E.  
Serial Number 84704

- Projected EB exiting traffic is 1250 VPD in 2019, projected to increase to 1700 VPD in 2039 and 1900 in 2049. Note influence of new ramp location on projected traffic.



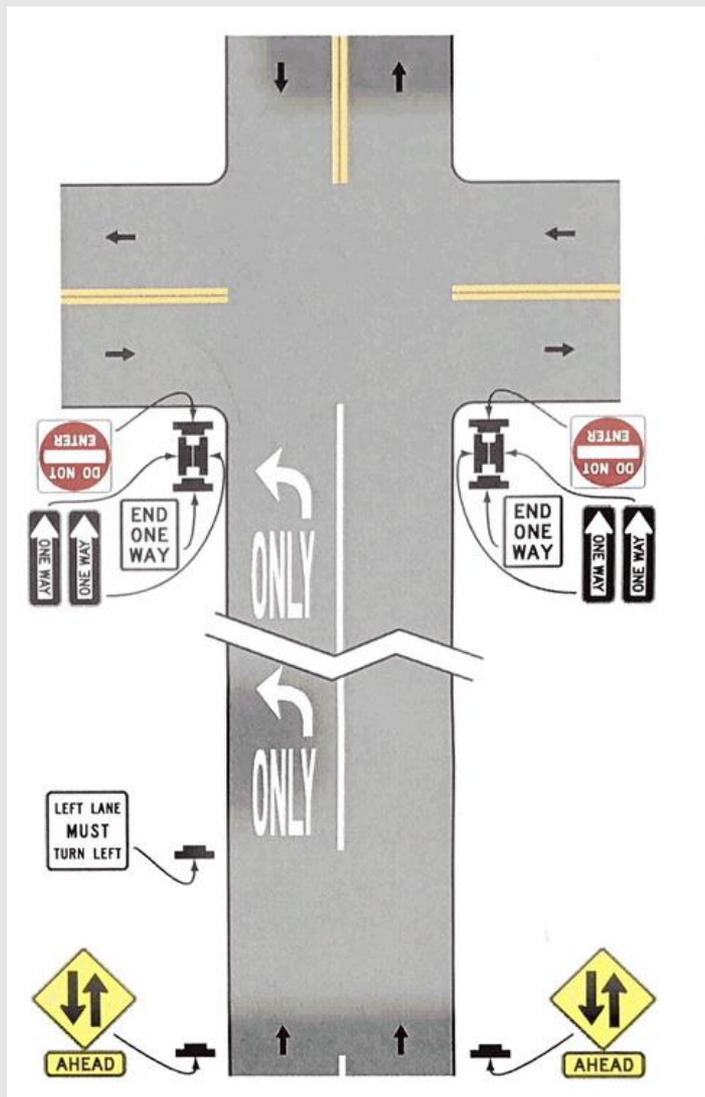
# Typical Section







# Intersection Detail – Texas MUTCD



# Local Example – 2WFR into 1WFR – US 83 @ IH 10 in Junction

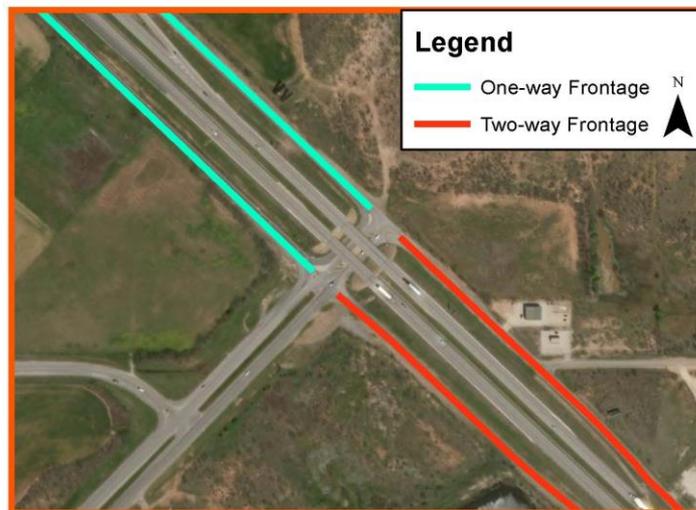
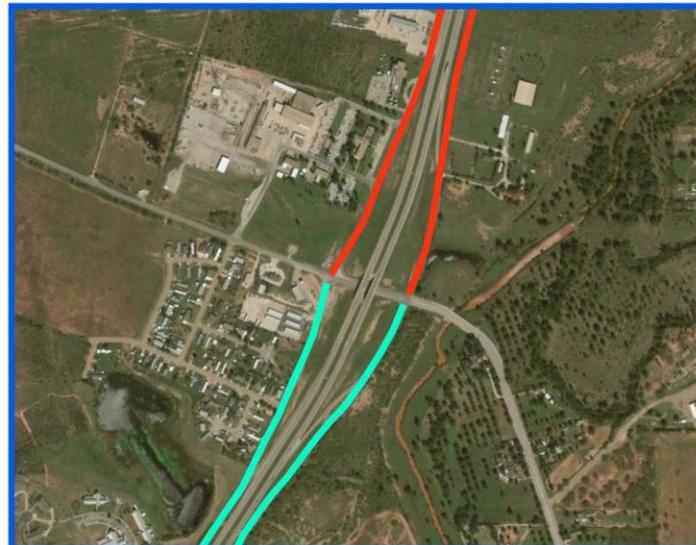
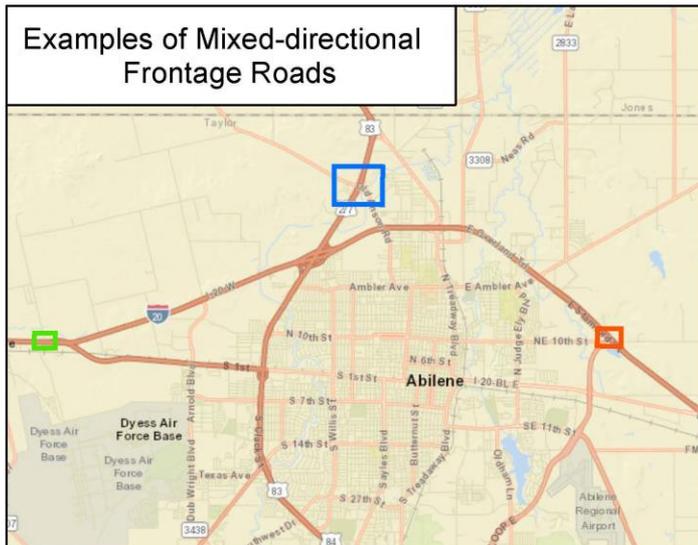


# Local Example – 2WFR into 1WFR – US 83 @ IH 10 in Junction

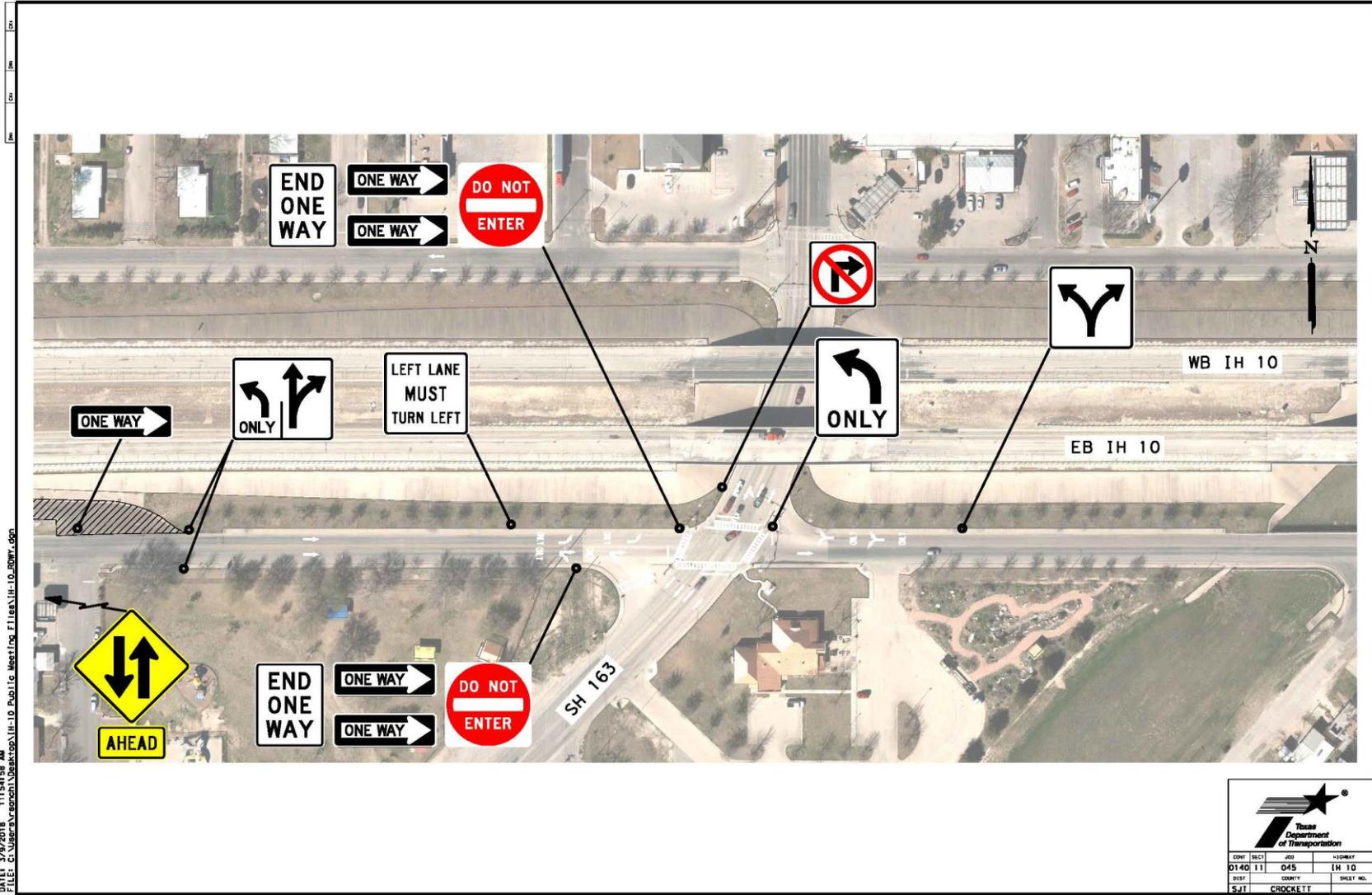


# Local Example -- 2WFR into 1WFR -- IH 20 & US 83 in Abilene

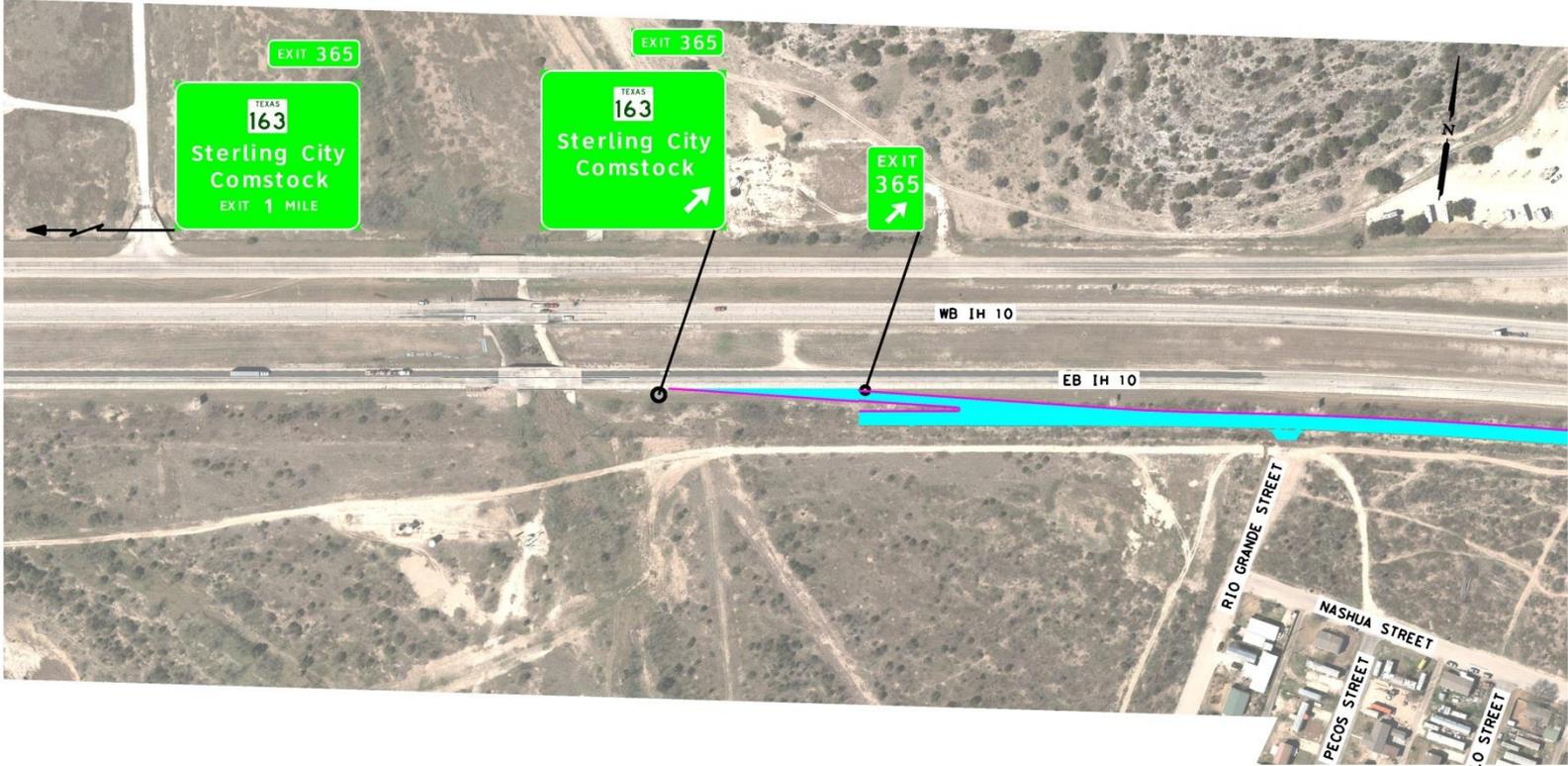
Examples of Mixed-directional Frontage Roads



# Intersection Detail @ SH 163



# Relocated Exit & Signage



DATE: 3/7/2018 2:17:58 PM  
 FILE: C:\Users\jrogoch\Desktop\IH-10\_Public\_Meeting\_Files\IH-10\_2018.dwg



CORP	SECT	JOB	HIGHWAY
0140	11	045	IH 10
SIST	COUNTY	SHEET NO.	
SJT	CROCKETT		



# Design Notes – Construction Sequence



Construction is anticipated to last about one year.

Frontage road extension and new bridge will be constructed without impact to traffic on existing frontage road.

Existing frontage road will be converted to one-way operation when construction commences on that phase.



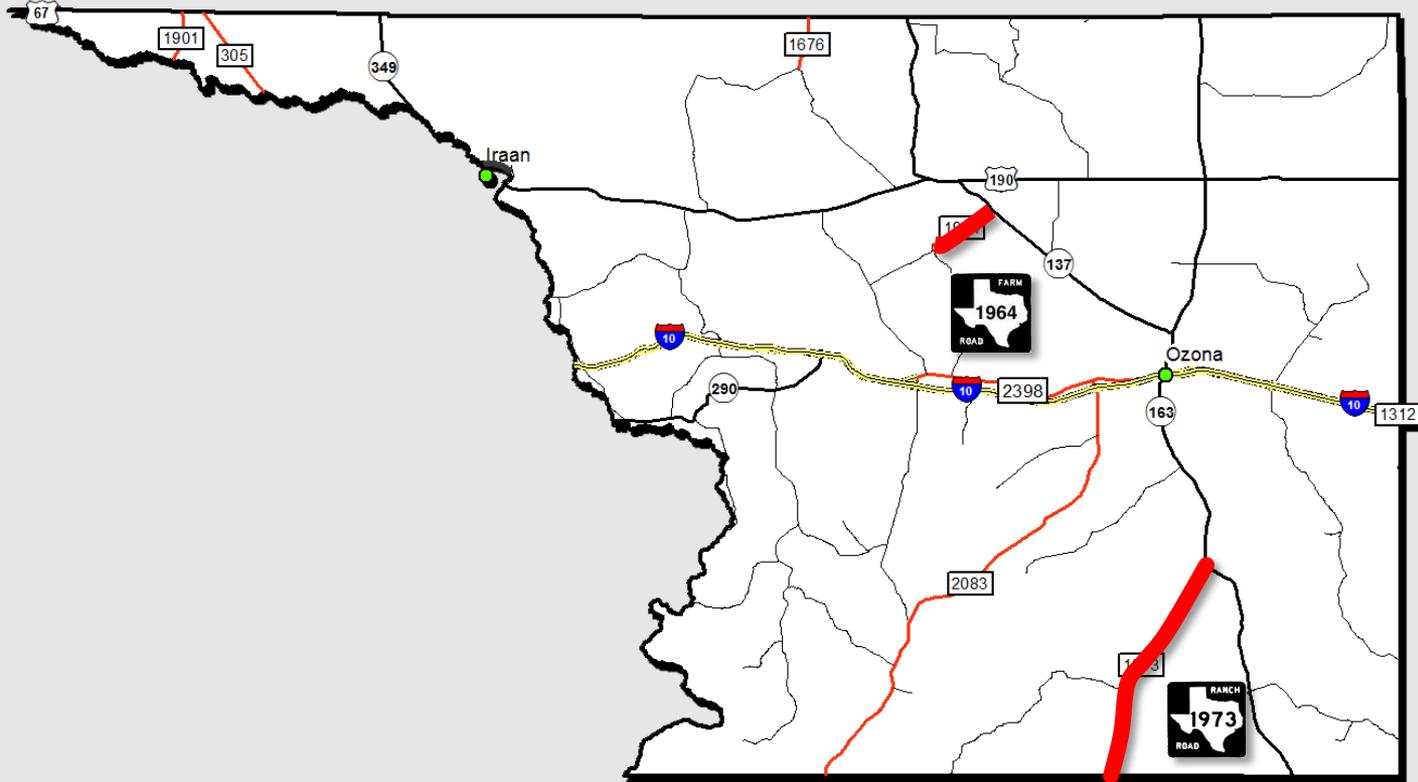
# Design Notes – Construction Sequence



TxDOT will work closely with Crockett County and the local business community to mitigate construction impacts.



# Candidate Roadways for Release to Crockett County



# Candidate Roadways for Release to Crockett County

17.2 miles

TxDOT Average Annual Maintenance Cost: \$47,000



Average Daily Traffic: 195 VPD

Projected 20 Year Maintenance Cost: \$1,940,000  
(assumes 1 CST/10 yrs.)



# Candidate Roadways for Release to Crockett County

4.6 miles

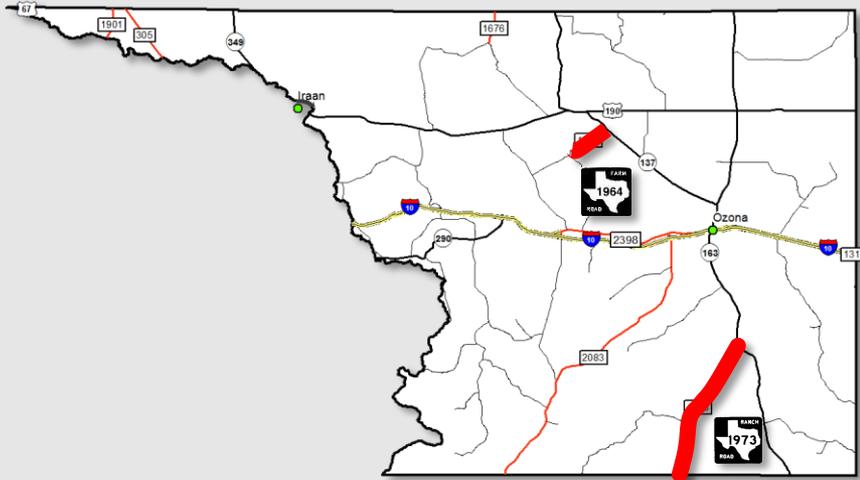
TxDOT Average Annual Maintenance Cost: \$4,650

Average Daily Traffic: 70 VPD

Projected 20 Year Maintenance Cost: \$343,000  
(assumes 1 CST/10 yrs.)



# Option 3 -- Extend Frontage Road to Rio Grande St. w/ramp



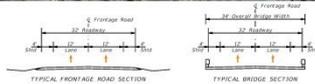
Projected 20 Year  
Maintenance Cost:  
\$1,940,000



Projected 20 Year  
Maintenance Cost:  
\$343,000



OPTION 3 ESTIMATED COST: \$2,800,000



Frontage Road Extension Option 3

TOTAL  
ANTICIPATED  
CONSTRUCTION  
COST

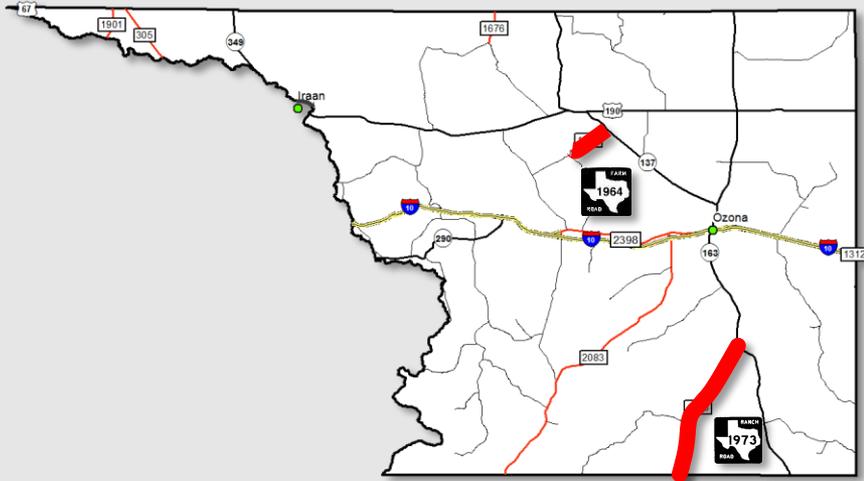
Local Contribution:  
\$300,000

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**\$2,583,000**



# Option 3 -- Extend Frontage Road to Rio Grande St. w/ramp



Projected 20 Year  
Maintenance Cost:  
\$1,940,000

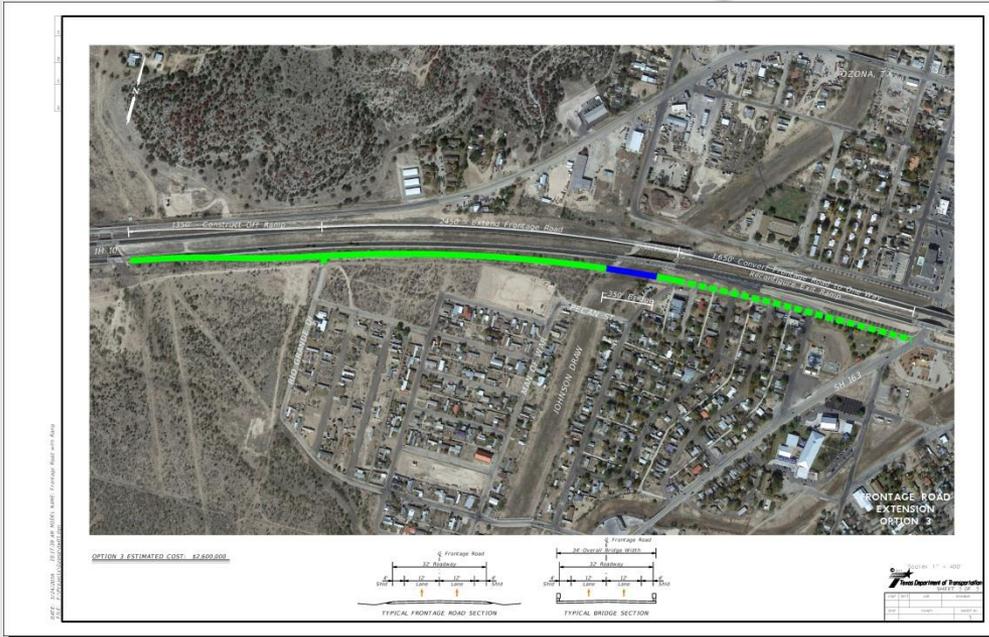


Projected 20 Year  
Maintenance Cost:  
\$343,000

~~Local Contribution.~~  
~~\$300,000~~

TOTAL  
ANTICIPATED  
CONSTRUCTION  
COST

**\$3,416,000**



# Project Funding & Letting Information

Project estimate: \$3,416,000

Funding source: Preventive Maintenance & Rehabilitation Program (UTP Category 1)

Anticipated Letting Date : August 2018

Goodfellow  
Air Force Base





# IH 10 FRONTAGE ROAD EXTENSION PROPOSAL & CONSIDERATIONS

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Presentation to Crockett Co. Commissioner's Court  
March 29, 2016

