

HELP

**#EndTheStreakTX**

End the streak of daily deaths on Texas roadways.

**Transportation Challenges in the Borderplex**



September 27, 2025



September 27, 2025

# Transportation Challenges in the Borderplex?

# Nearshoring Impacts on Transportation

- Manufacturing companies are moving out of overseas locations and relocating in the Ciudad Juarez/El Paso area.
- Addressing issues experienced during pandemic.
- Excellent location for the neighboring countries of Mexico and USA.
- Manufacturing in Juarez and Warehousing in El Paso are great relocation attractions for many companies such as Ryder, Bosch, Averitt, and others.
- Booming growth in Warehousing in El Paso's region.
- Reduced transportation costs are putting a great demand in our roadway infrastructure.



## Regional Coordination

- Federal Highway Administration (FHWA) and other Federal and State Agencies
- El Paso Metropolitan Planning Organization (MPO)
- El Paso, Hudspeth, Culberson, Jeff Davis, Presidio, and Brewster Counties
- City of El Paso
- Urban and Rural Communities
- Ft. Bliss
- New Mexico Department of Transportation (NMDOT)
- Transportation Partners in Mexico
- ETC.

# Air Quality Challenges

## Challenges and Goals

- **Challenges**

- POAQC (Project of Air Quality Concern) determination for PM 10
  - Impacts the environmental clearance schedule
- ROW Acquisitions and Utility Relocations
  - Planned vs. Actual Certification Dates
- Construction Management Plans
  - FY 2024 & FY 2025 – ELP is above 10%

- **Goals**

- Worked with FHWA and Other Federal Partners to Streamline the Air Quality Determination
- Let Clean Projects (Under 10% projects with CMPs per FY) – By utilizing Tools and Processes
- Improve percent met/on-time planned vs. actual certification dates
  - Utility Coordination during Construction Phase



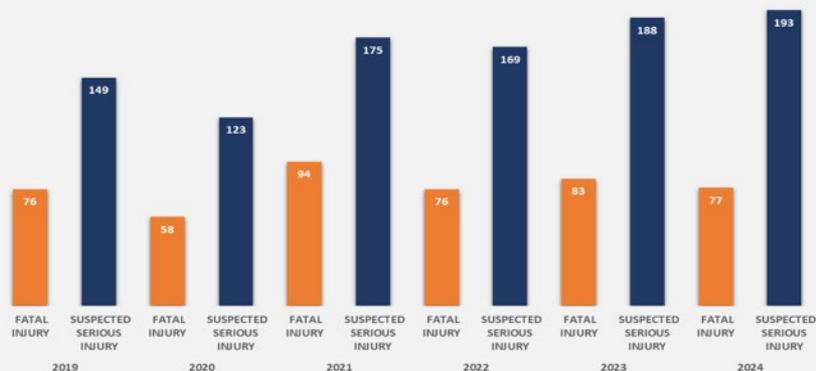
## ON-SYSTEM FATAL CRASHES

**464** districtwide on-system fatal crashes between 2019 and 2024

with most crashes occurring in El Paso (77%), Hudspeth (10%), and Culberson (5%) counties.

Jeff Davis County accounts for 2% of all fatal crashes in the El Paso District.

On-system fatal crashes account for 32% of total On-system KA crashes.



**Calendar Year 2020 to  
2025 EIPaso District Fatal Crash  
and Fatality Count to Date**

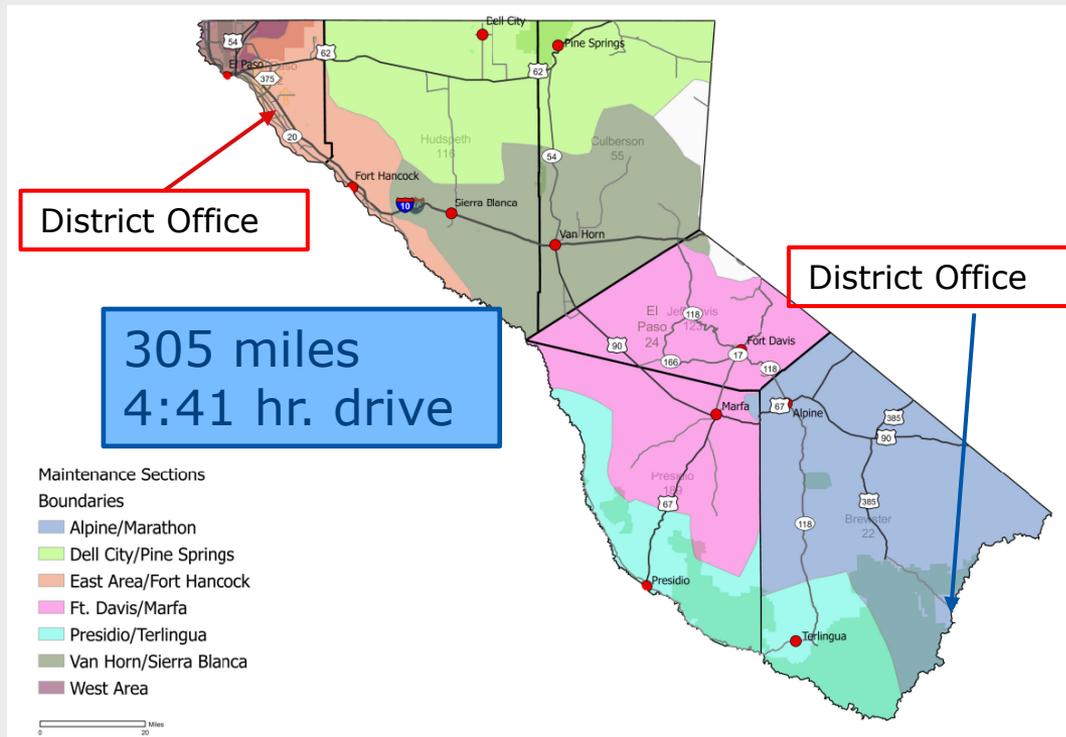
<b>YEAR</b>	<b>ON/OFF SYSTEM</b>	<b>FATAL CRASHES</b>	<b>FATALITIES</b>
<b>2025</b>	<b>Off-System</b>	<b>9</b>	<b>9</b>
<b>2025</b>	<b>On-System</b>	<b>47</b>	<b>50</b>
<b>2024</b>	<b>Off-System</b>	<b>22</b>	<b>23</b>
<b>2024</b>	<b>On-System</b>	<b>77</b>	<b>84</b>
<b>2023</b>	<b>Off-System</b>	<b>24</b>	<b>25</b>
<b>2023</b>	<b>On-System</b>	<b>82</b>	<b>95</b>
<b>2022</b>	<b>Off-System</b>	<b>23</b>	<b>25</b>
<b>2022</b>	<b>On-System</b>	<b>76</b>	<b>80</b>
<b>2021</b>	<b>Off-System</b>	<b>21</b>	<b>21</b>
<b>2021</b>	<b>On-System</b>	<b>94</b>	<b>103</b>
<b>2020</b>	<b>Off-System</b>	<b>29</b>	<b>34</b>
<b>2020</b>	<b>On-System</b>	<b>58</b>	<b>69</b>

All fatal crashes received and processed as of 9/23/2025 6:00:09 AM

# District Profile

- 6 Counties
- 3 Area Offices
- 13 Maintenance Sections
- 21,700 Square Miles

City	Population
<b>El Paso, Texas</b>	<b>875,564</b>
<b>Las Cruces, New Mexico</b>	<b>105,292</b>
<b>Juarez, Mexico</b>	<b>1,560,821</b>
<b>Fort Bliss</b>	<b>12,709</b>
<b>TOTAL</b>	<b>2,554,386</b>



# Impacts on Transportation

## Total Crossings through the U.S. – Mexico Border Ports of Entry, 2023

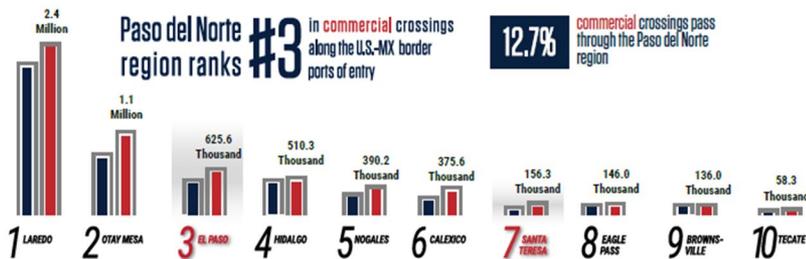
176.8 Million  
Noncommercial

6.2 Million  
Commercial



### TOP 10 U.S. – MEXICO BORDER PORTS OF ENTRY BY COMMERCIAL CROSSINGS

2022 2023



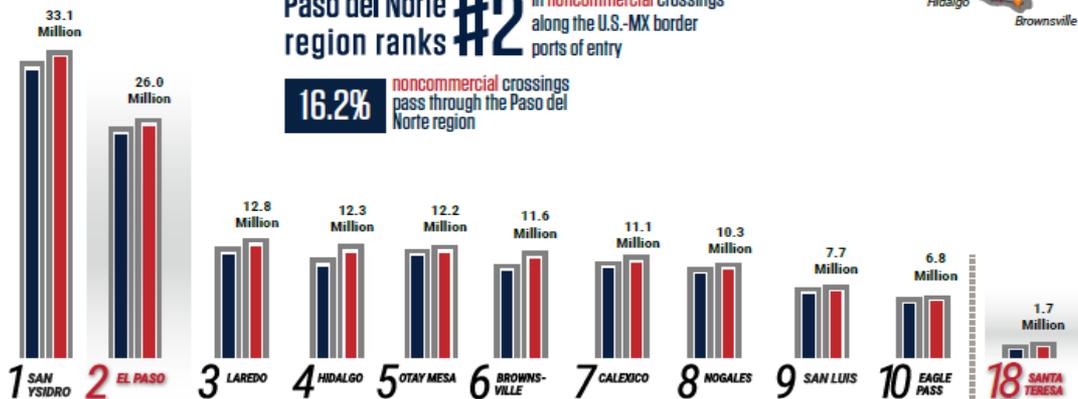
Note: El Paso port of entry includes Ysleta port of entry.  
Source: Hunt Institute calculations using data from the U.S. Bureau of Transportation Statistics.

HUNT-INSTITUTE-UTEP HUNT-INSTITUTE-ATEPEDO HUNT-INSTITUTE-UTEPEDU

### TOP 10 U.S. – MEXICO BORDER PORTS OF ENTRY BY NONCOMMERCIAL CROSSINGS

Paso del Norte ranks **#2** in noncommercial crossings along the U.S.-MX border ports of entry

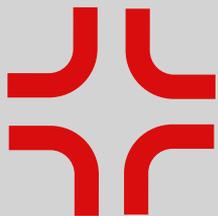
**16.2%** noncommercial crossings pass through the Paso del Norte region



**Our Safety Initiatives have to be easily understood by all the users. The transportation network is different across the border.**

**We have to prohibit unsafe movements using more physical means striping is not enough**

**Our signing and messaging has to be universally understood**



Intersection



Roadway & Lane Departure



Speed Related



Motorcycle



Distracted Driving



Pedestrian



Impaired Driving



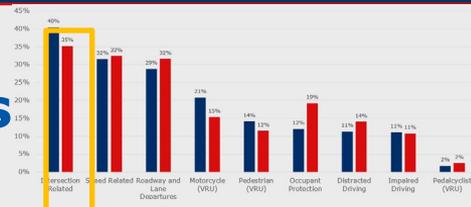
Pedal-cyclist



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# Intersections

# Restricted Crossing at US 54 & Stan Roberts



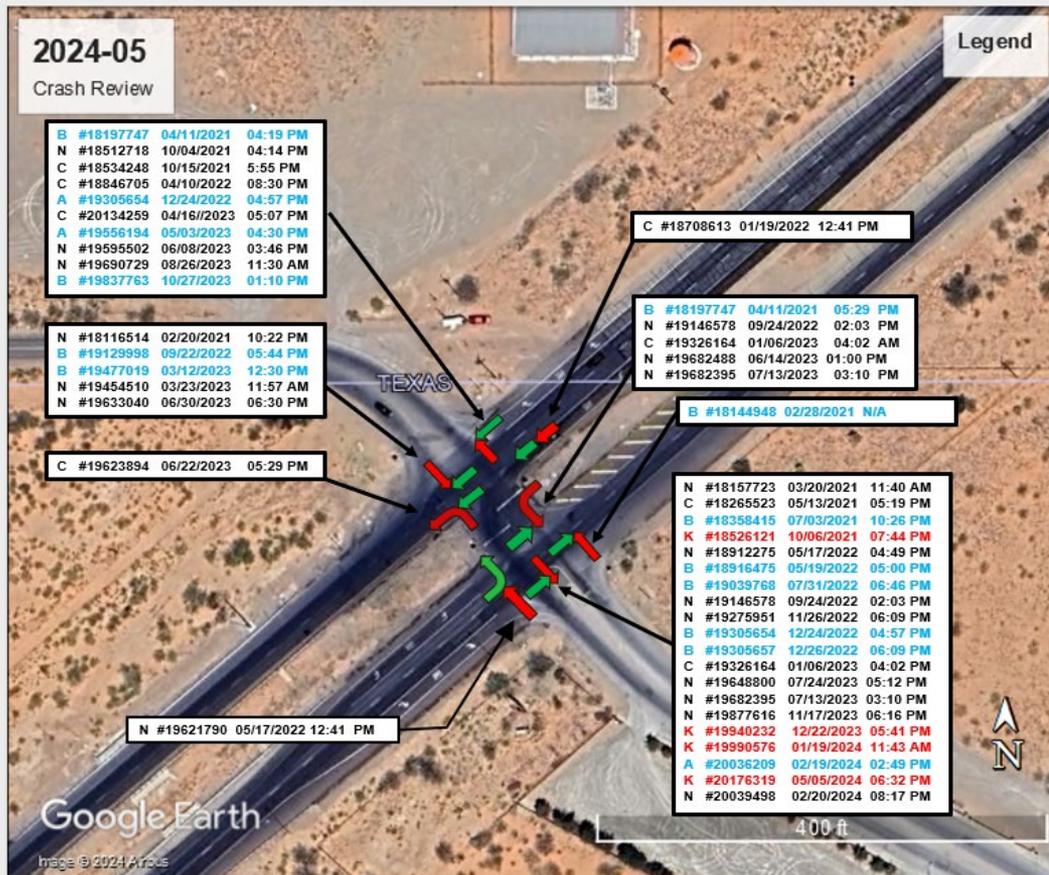
Before



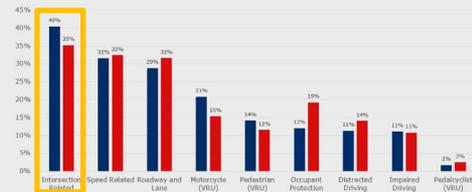
After

# US 54 and State Line Intersection

- Intersection has safety lighting
- LED STOP signs
- Warnings signs "TRAFFIC FROM LEFT DOES NOT STOP"
- Warnings signs "TRAFFIC FROM RIGHT DOES NOT STOP"
- Intersection warning signs on US-54 EB and WB



# Restricted Crossing U-Turn (R-CUT)



Total Crashes at Intersection Per Year



Total Crashes at Intersection Per Year



2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 2025

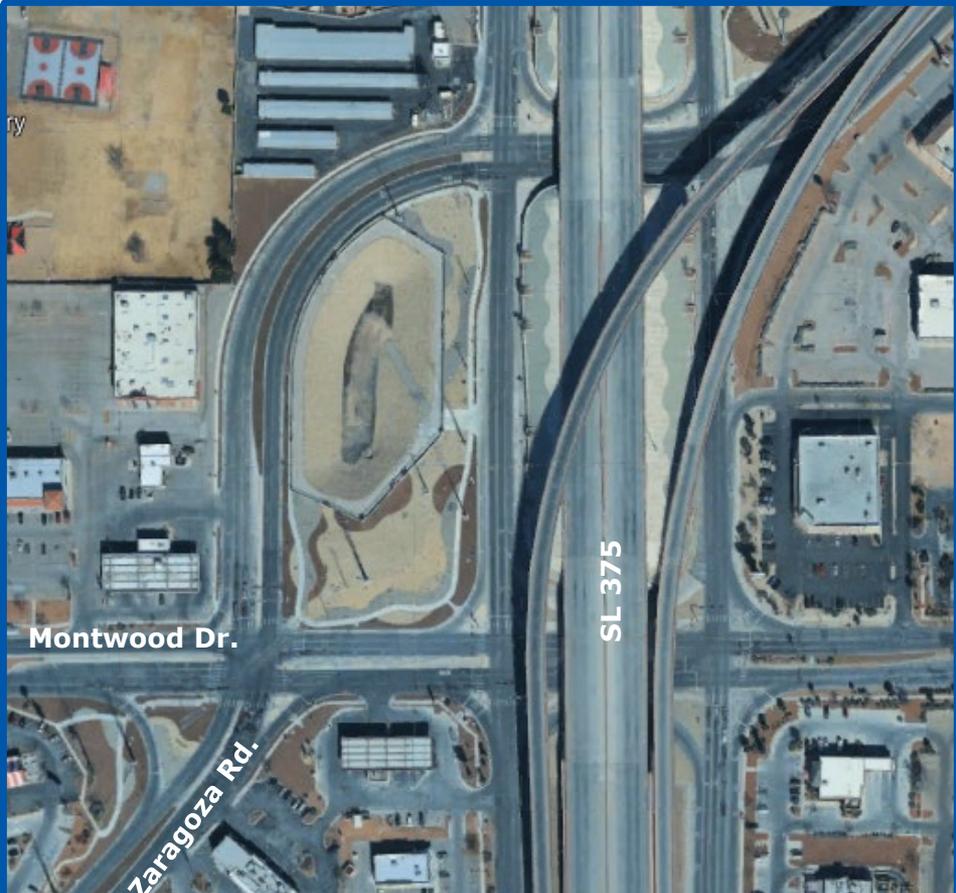
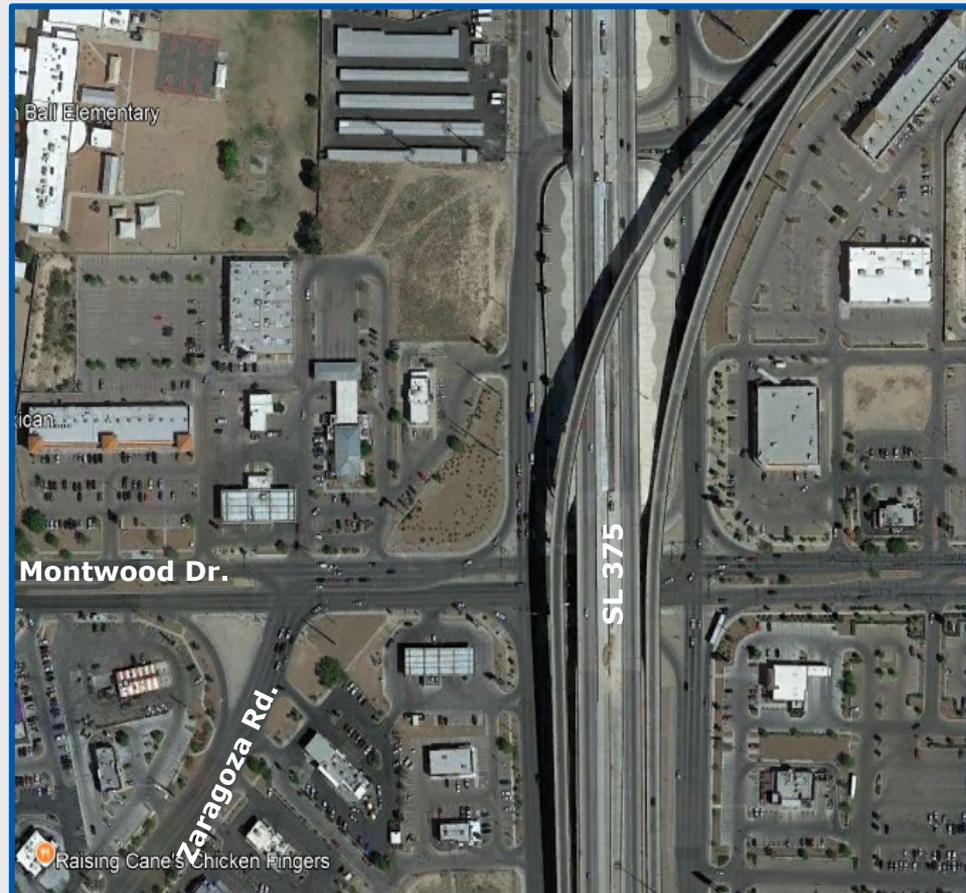
US 54 at State Line

■ Total Crashes ■ Fatal Crashes

15

After

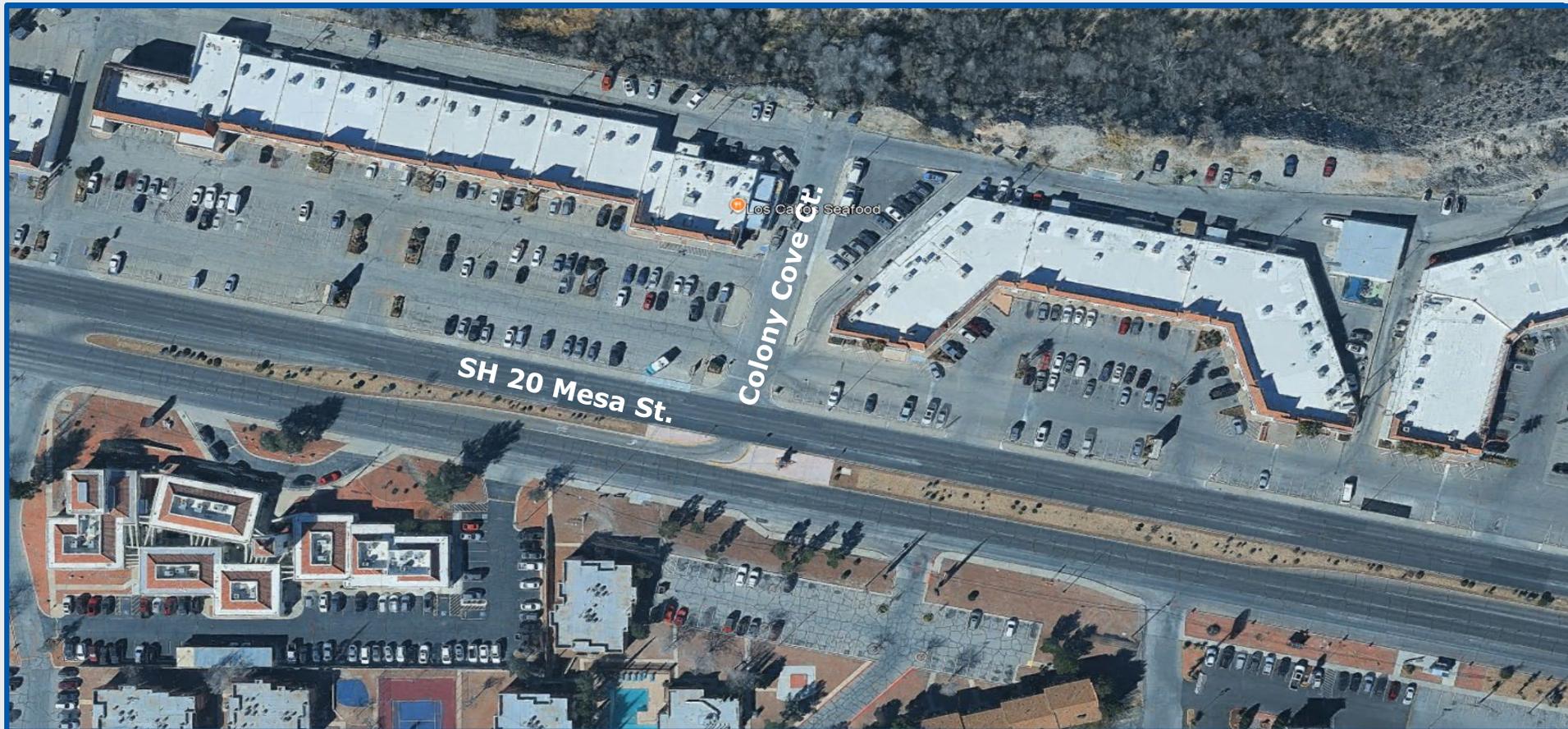
## FM 659 Zaragoza and Montwood



## Montana and Limerick



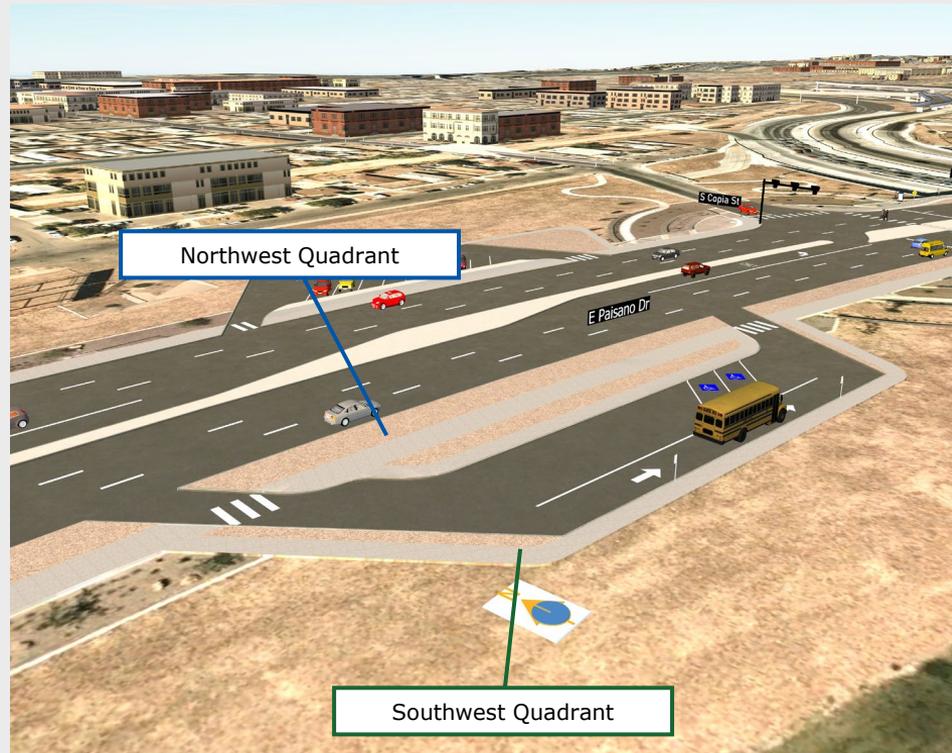
## SH 20 Mesa St. at Colony Cove Ct. – Hooded Left



## Project Type Highlights



**Realign Intersection Paisano at Delta Dr**



**WB US 62 Pickup/Drop-off Lot**





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# Lane Departure

- 1. Raised Medians**
- 2. Safety Lighting**
- 3. Cable Barrier**



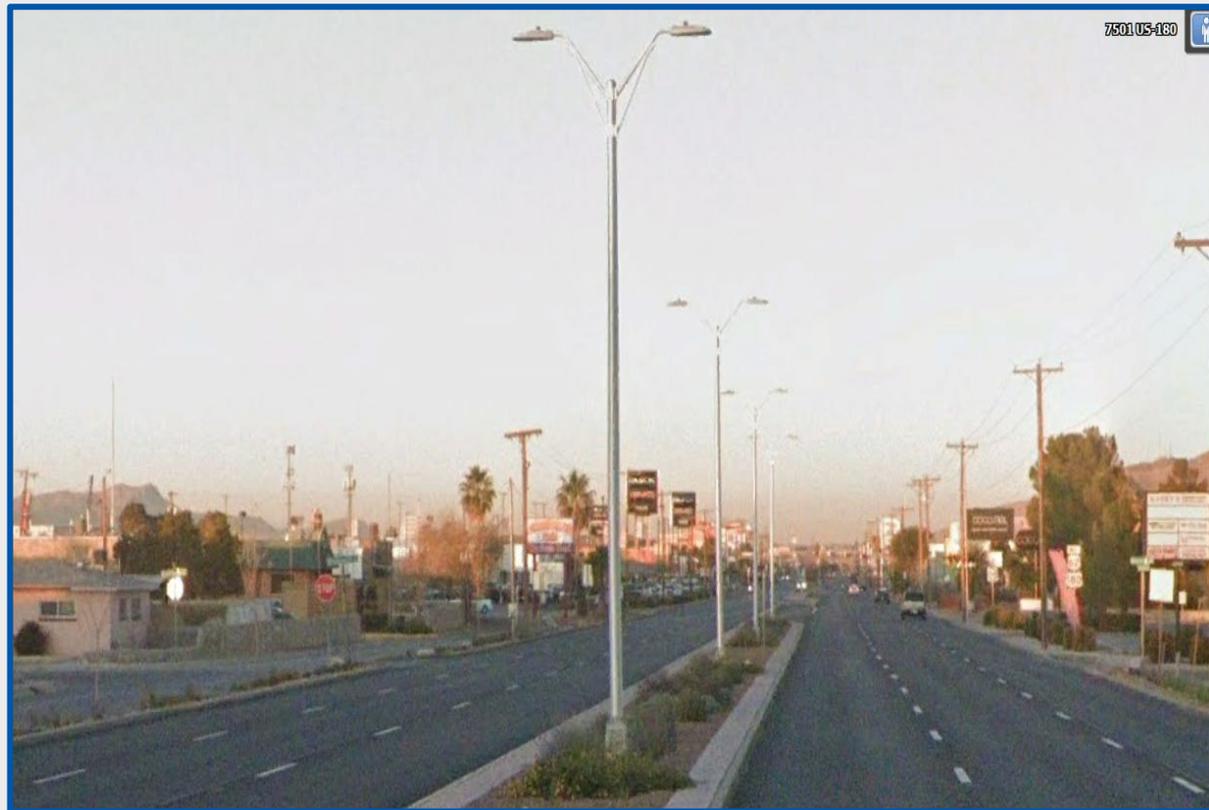
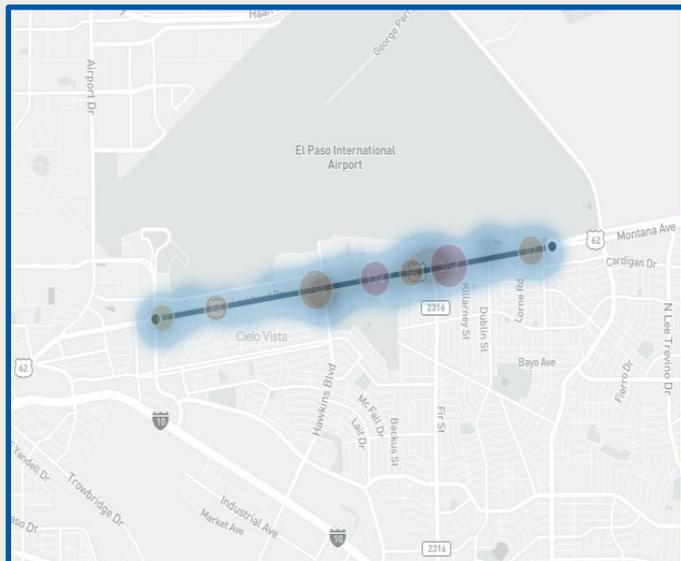
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# Raised Medians



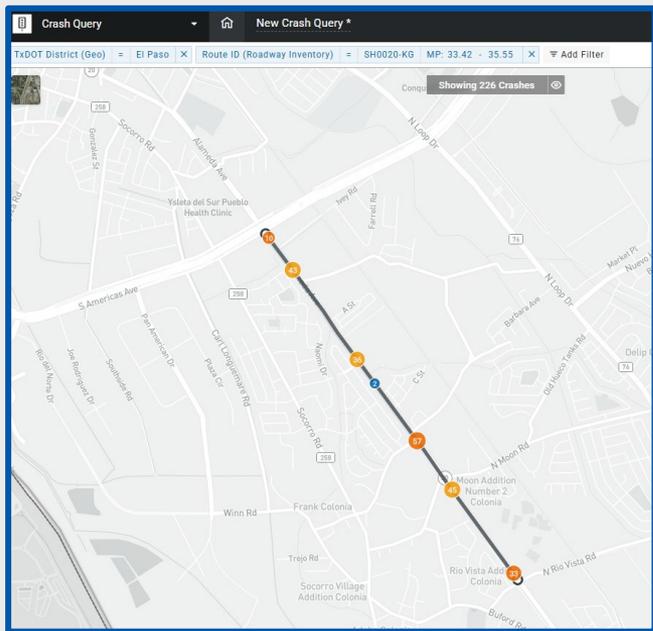
## US 62 Montana Ave. Raised Medians

### US 62 Montana Ave. Raised Medians/Lighting



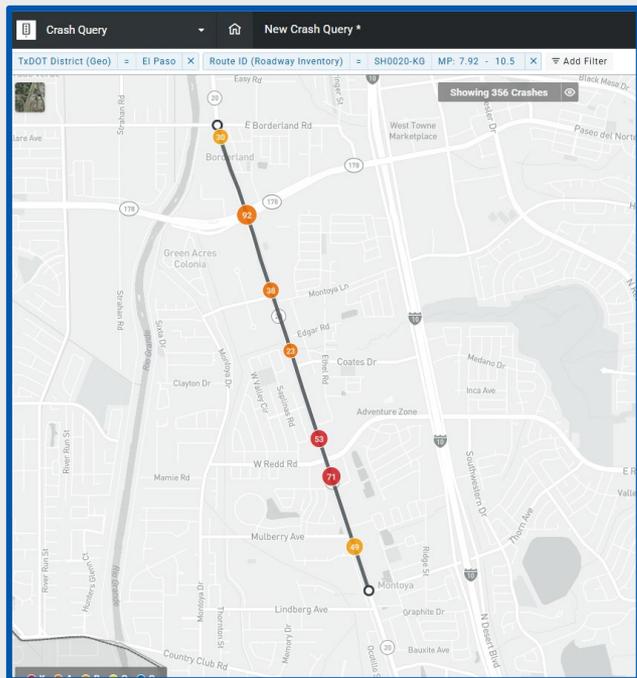
## SH 20 Alameda Ave. Raised Medians

### SH 20 Alameda Ave. Raised Medians/Lighting



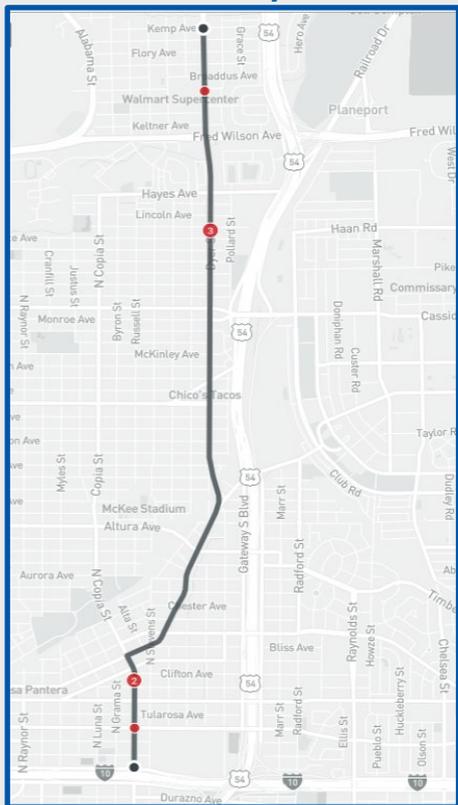
## SH 20 Doniphan Dr. Raised Medians

### SH 20 Doniphan Dr. Raised Medians/Lighting



# SL 478 Copia St./Dyer St. Raised Medians

## SL 478 Copia St./Dyer St. Raised Medians/HAWKS



Zero Fatal Crashes in 2023, 2024, & 2025

3 additional Ped fatalities in 2015 and 2016

### Total Crashes

Crash Date & Time (Year)	Crash	Crash
2025	50	5.08%
2024	116	11.78%
2023	107	10.86%
2022	145	14.72%
2021	144	14.62%
2020	121	12.28%
2019	166	16.85%

### Fatal Crashes

Crash Date & Time (Year)	3 Ped fatalities	Crash
2022	1	14.29%
2021	2	21.57%
2018	3	42.86%
2017	1	14.29%
2024	0	0.00%



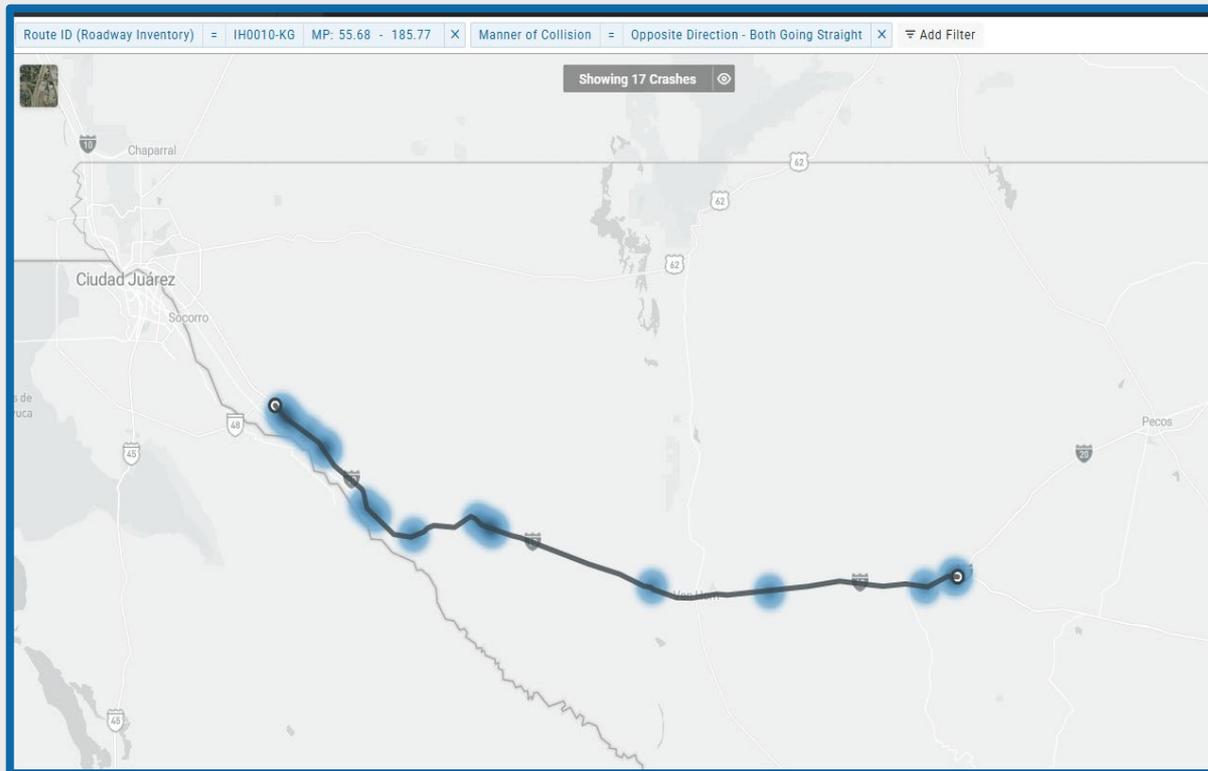
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# Cable Barrier

IH 10 Cable Barrier  
Installation  
RM 55 to 185  
130 Miles  
Installed 1/2022



**Zero Crashes involving vehicles crossing the median have occurred since cable barrier installation**



# Safety





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# ITS Innitiatives

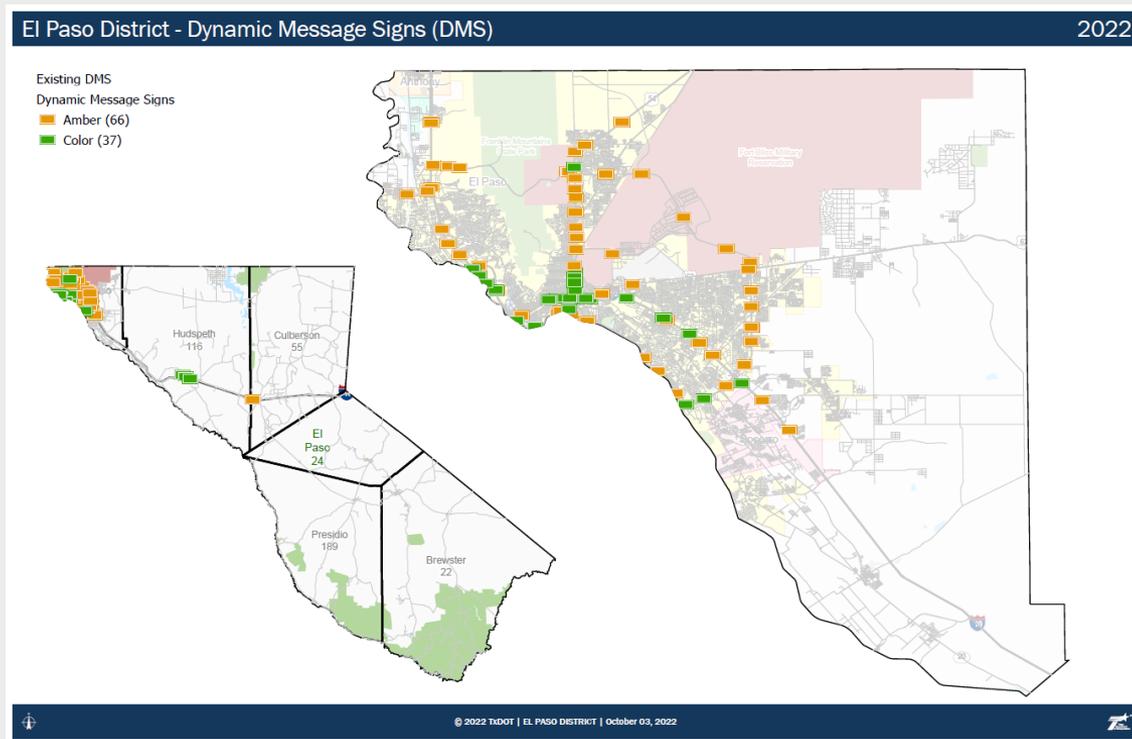


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# Color DMS Use

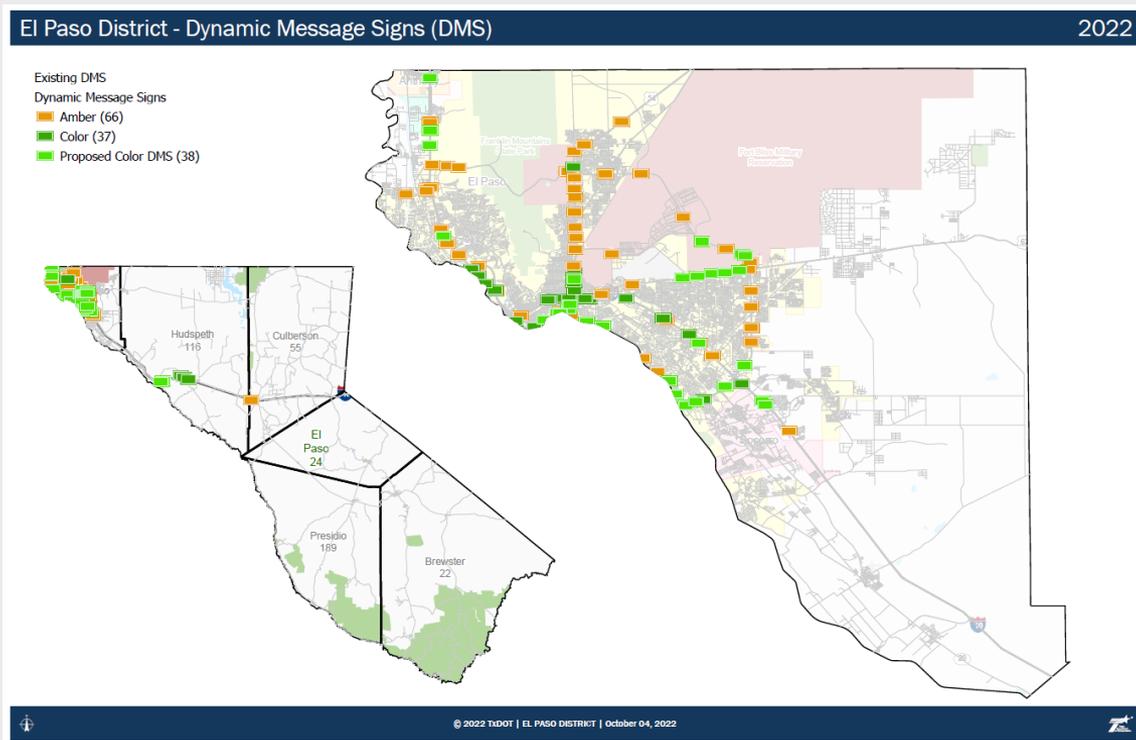
## Color DMS Uses in the El Paso District

- ELP District started Full Color DMS Deployments 4 years ago.
- 109 DMS
  - 56 Amber
  - 53 Full Color



# Color DMS Uses in the El Paso District

- 40 Additional Full Color DMS in the next few years
- 93 Full Color DMS



# Color DMS Uses in the El Paso District

## Road Work Messages

## Warning Messages

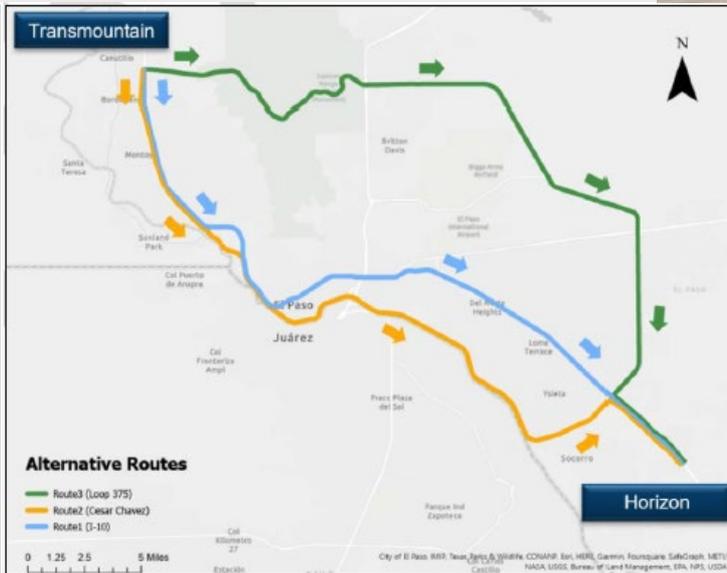
## Travel Times

## Potential

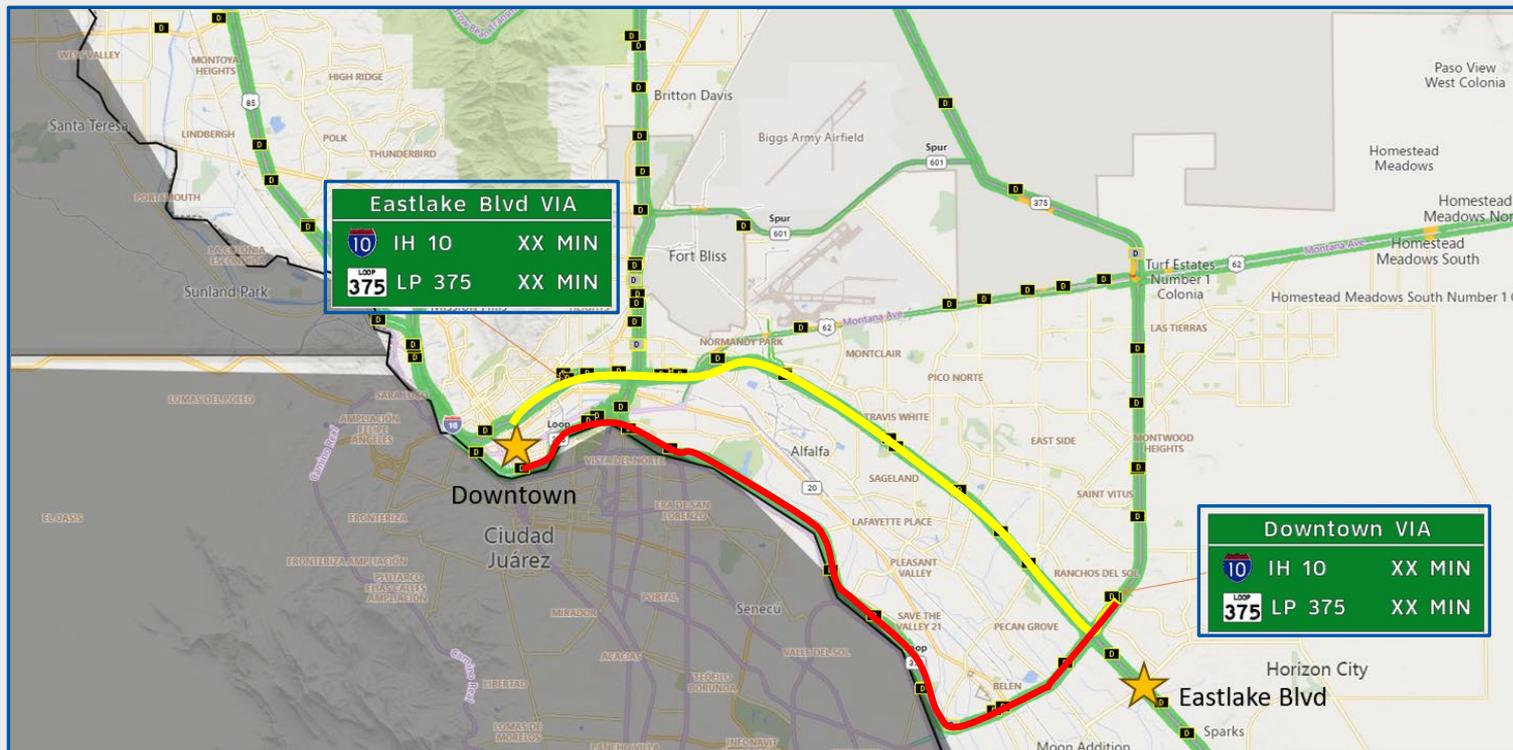


# Comparative Travel Time Analysis

- Deploying Large Signs with Embedded DMS for travel time comparison driving through El Paso
- Completed study evaluating INRIX data vs ground truth data (floating car method)



# Destination Comparative Travel Time

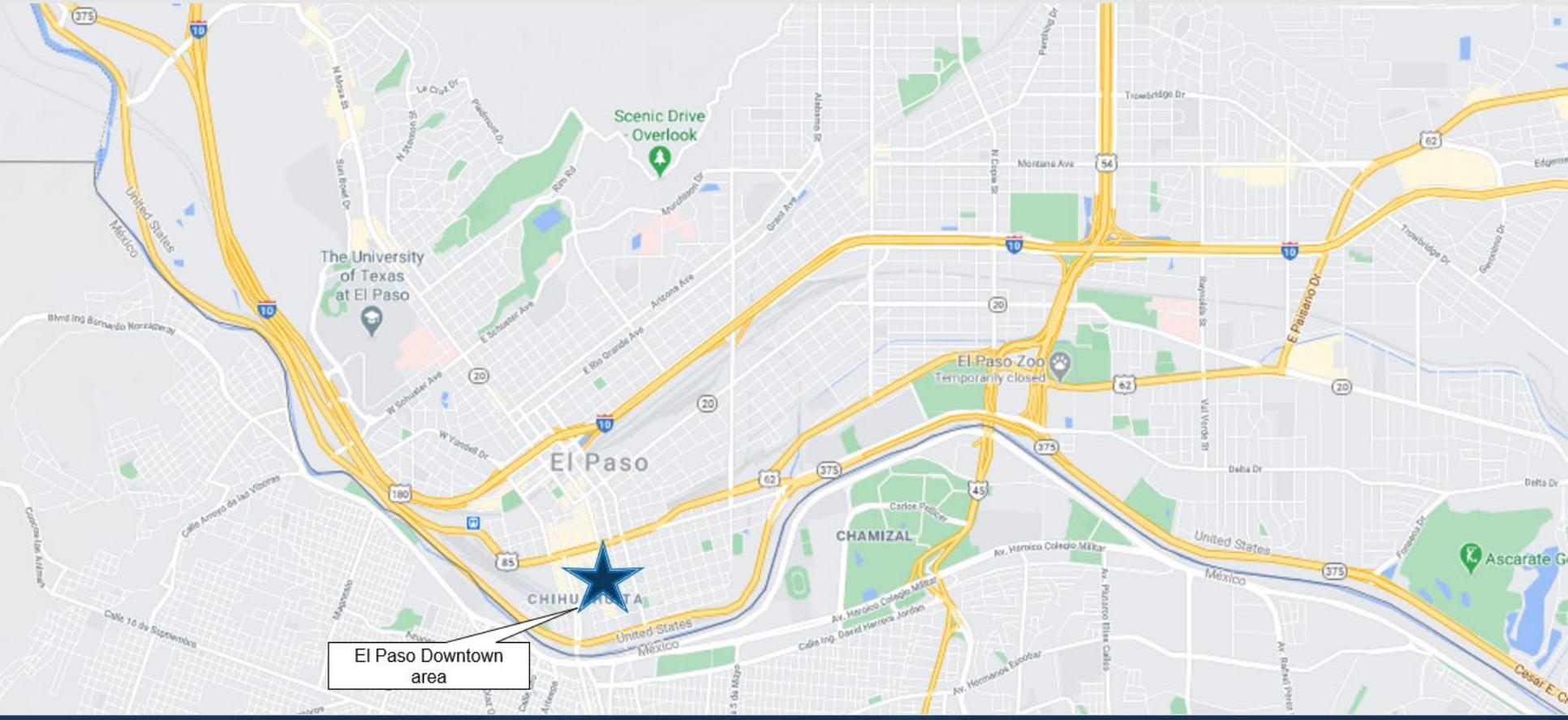




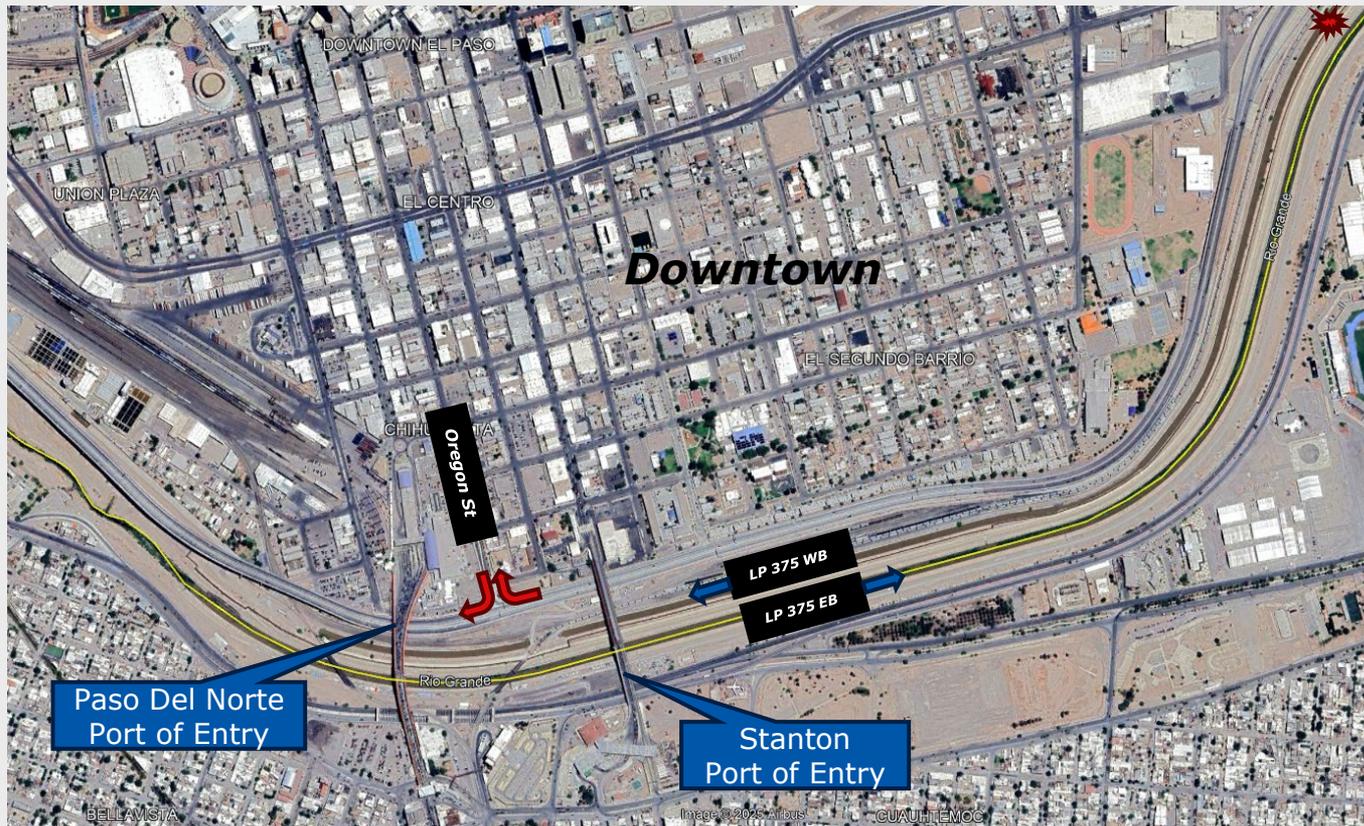
September 27, 2025

# Wrong Way Driver

# WWD-Downtown



# LP 375 at Oregon



**LOCAL**

**Intoxicated driver accused of killing El Paso man after driving on wrong side of road**

by: Ernie Chacon  
 Posted: Nov 5, 2019 / 02:51 PM MST  
 Updated: Nov 6, 2019 / 01:32 AM MST

**November 11, 2019**

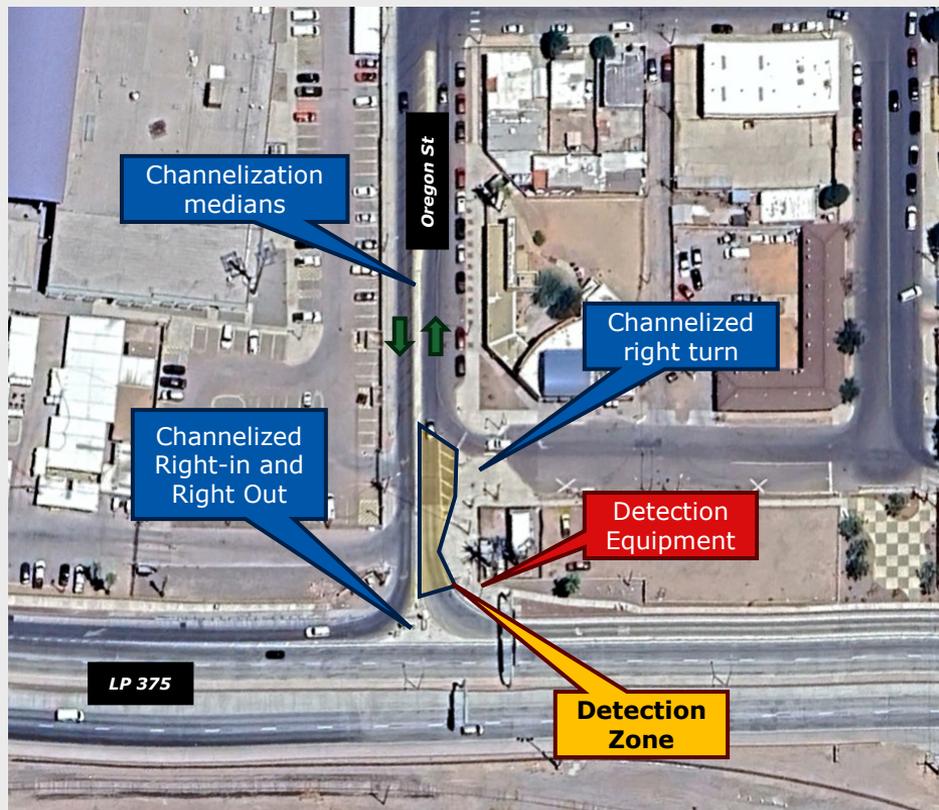
Alleged drunk driver blamed for head-on traffic crash that killed mother & young son on Loop 375



KVIA  
 One of the two vehicles involved in a fatal head-on crash on loop 375.

**December 7, 2019**

## LP 375 at Oregon



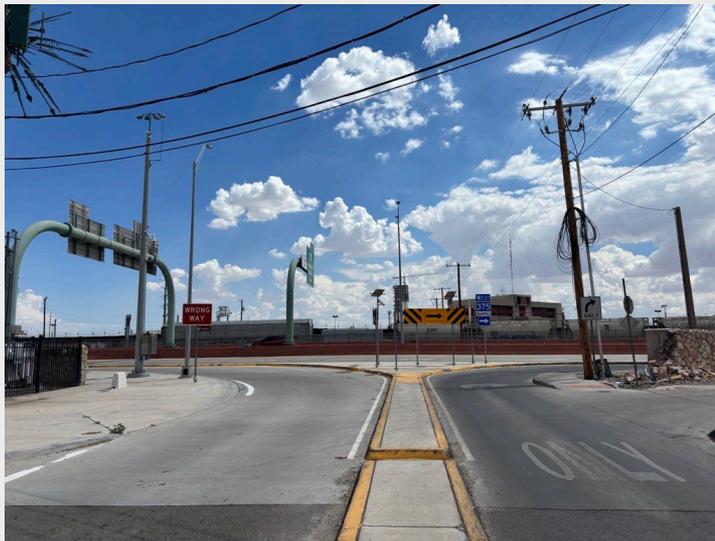
### WWD Countermeasures Installed:

- Static Signage & Pavement Markings
- Activated LED Wrong Way Flashing Signs
- Wrong Way Driver Detection System with DMS connectivity
- Channelization

## Channelization Installed



***Channelized Exit Ramp***



***Dividing Medians***



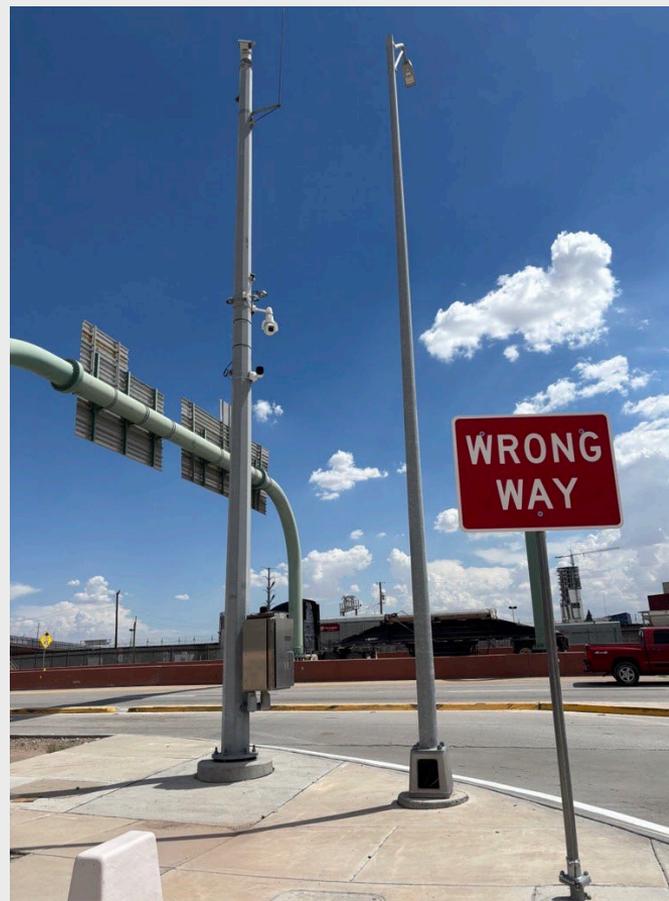
***Hooded Right Turn***



***Right In/Right Out***



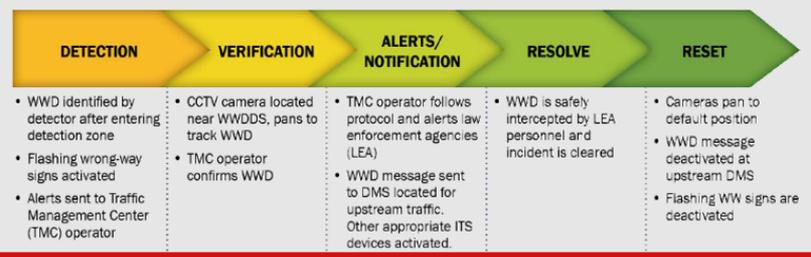
**LED Flashing Signs**



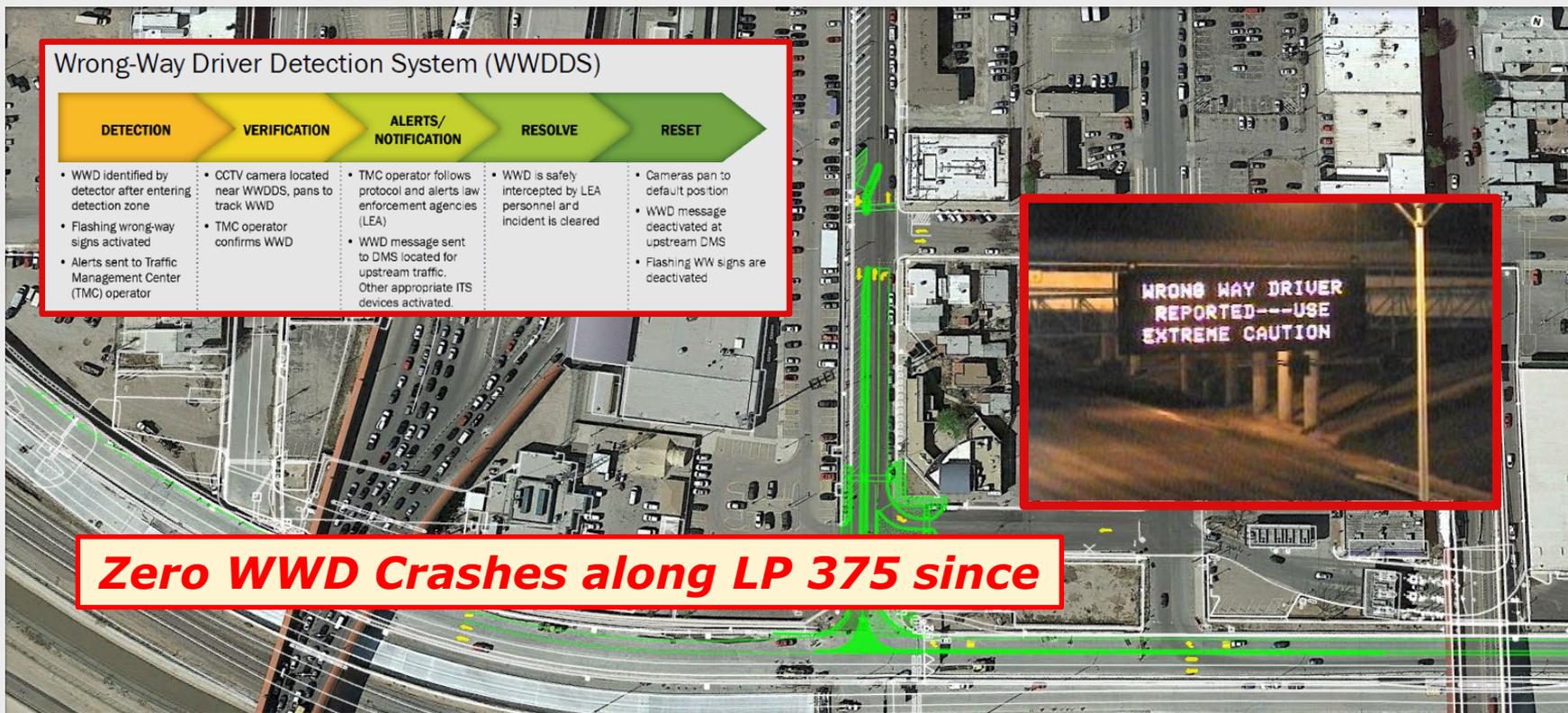
**WWD Detection System**

# WWD-Downtown

## Wrong-Way Driver Detection System (WDDDS)



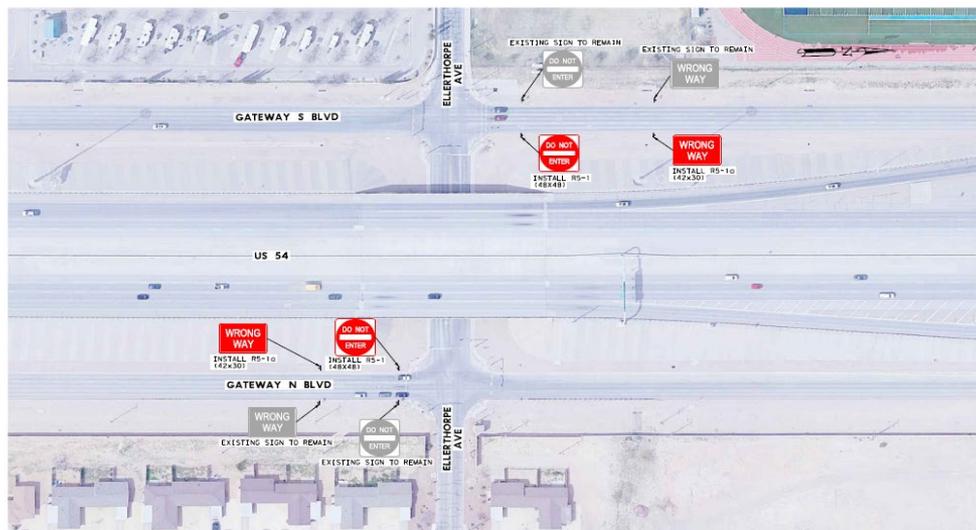
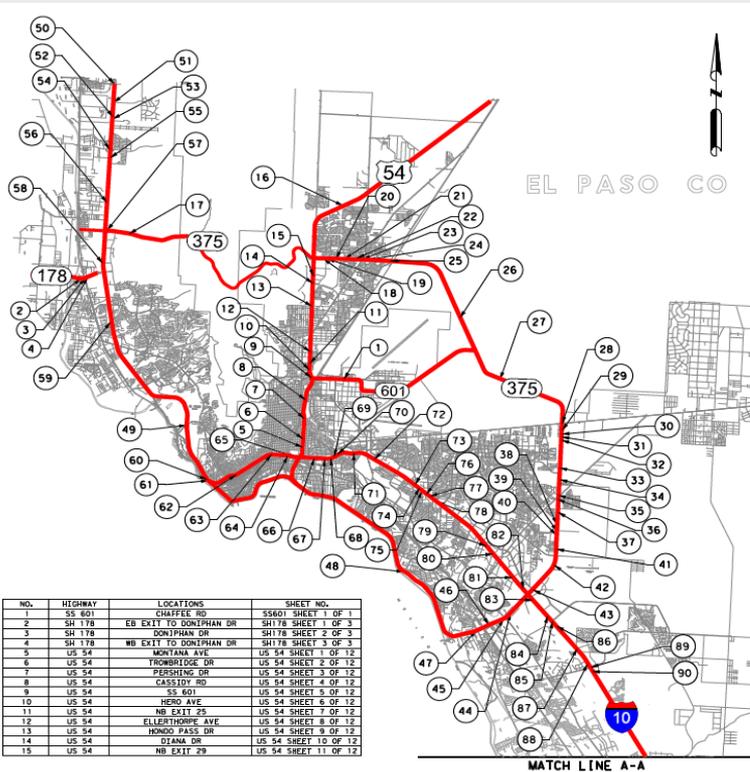
**Zero WWD Crashes along LP 375 since**



## Timeline

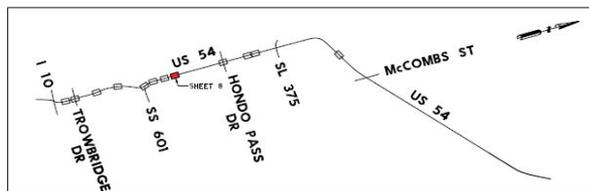


# All Off-Ramps at Level 1 (November 2023)



SUMMARY SHEET OF ESTIMATED QUANTITIES				
ITEM	CODE	DESCRIPTION	UNIT	QTY
444	6004	INSTALL 24" HD ON SUP & AM FY 100W(11) SA 1F1	EA	4

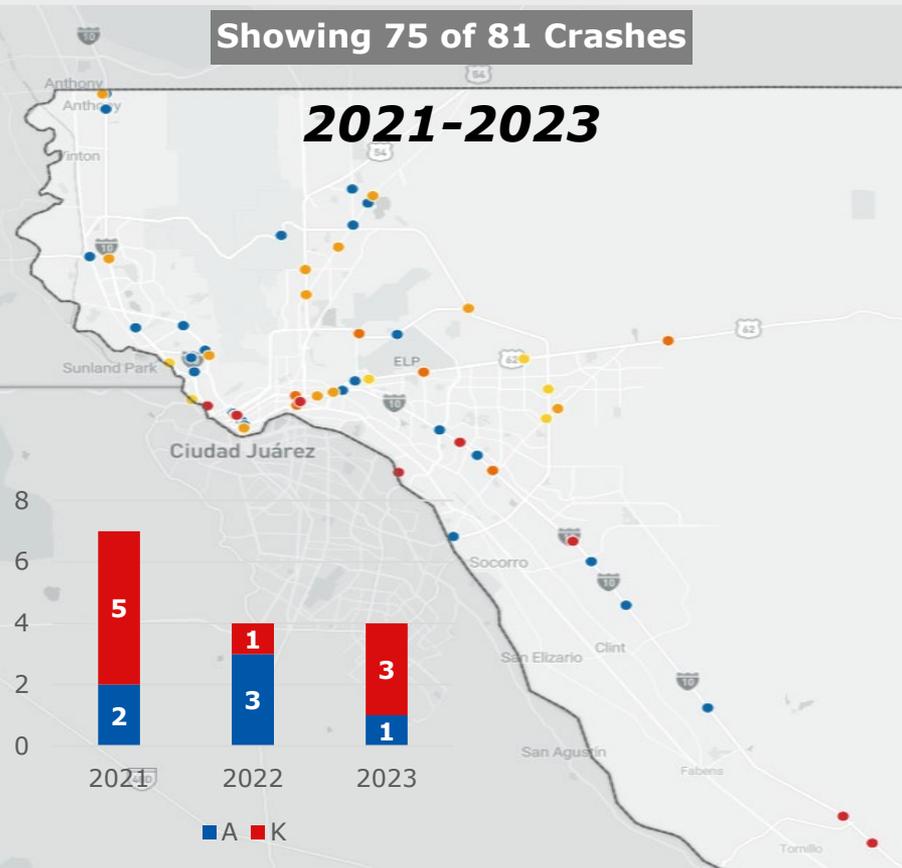
- NOTES:
1. ALL ROW AND UTILITIES LOCATIONS ARE APPROXIMATE. VERIFY LOCATION IN THE FIELD AS NECESSARY.
  2. ALL EXISTING DO NOT ENTER SIGNS ARE NOT 48X48 WILL BE REPLACED.



# WWD Related Crash Data Monitoring

Showing 75 of 81 Crashes

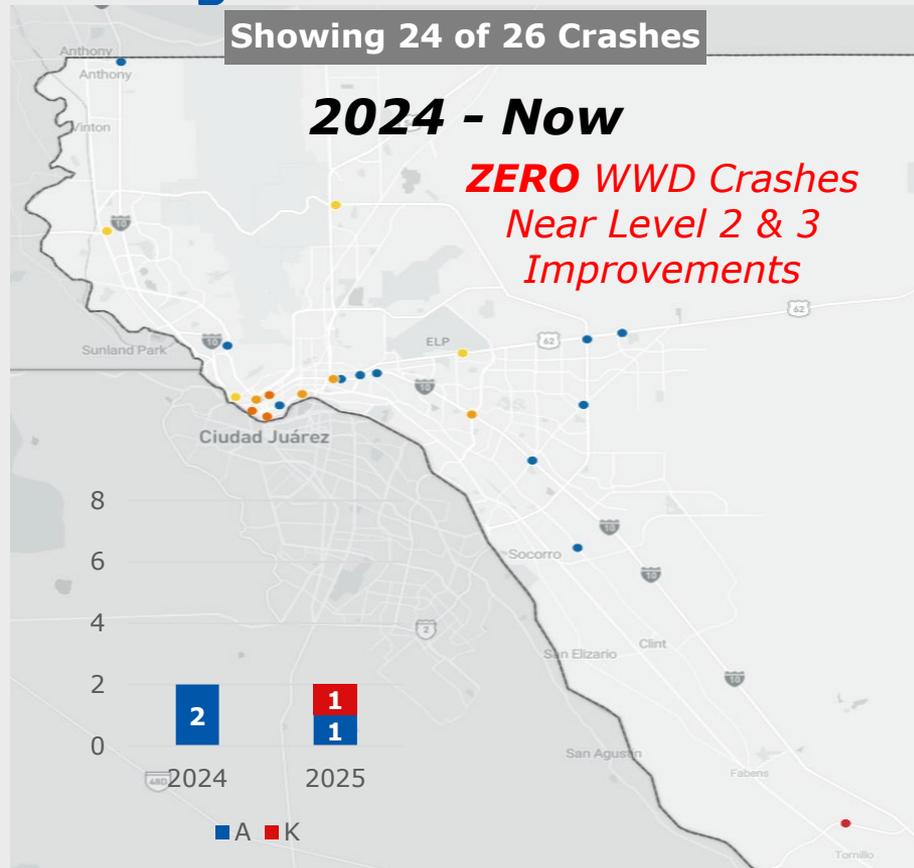
## 2021-2023



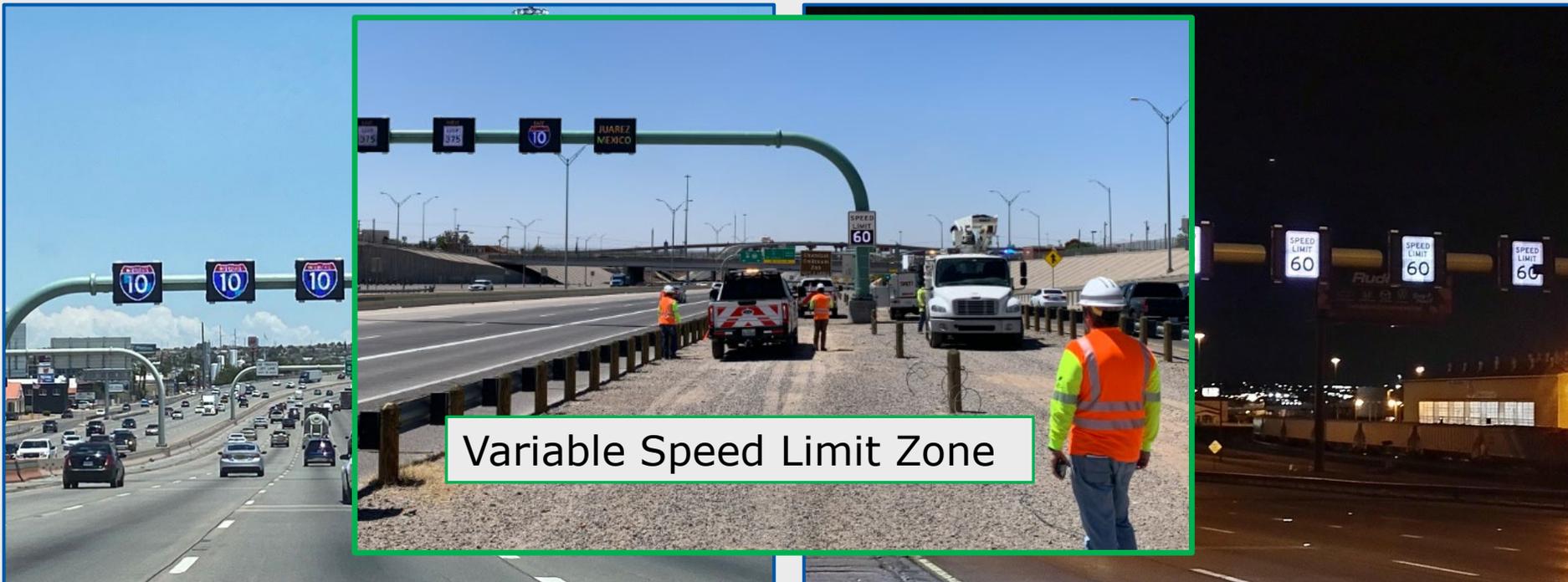
Showing 24 of 26 Crashes

## 2024 - Now

**ZERO** WWD Crashes  
Near Level 2 & 3  
Improvements



# Full Color Lane Management Systems



Lane Assignment Confirmation

Speed Limit during Off-Peak Hours



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# Upcoming Safety Projects

# Runaway Ramp



- 3 existing truck runaway ramps
- Enhance signage on all
- Specialized DMS Message

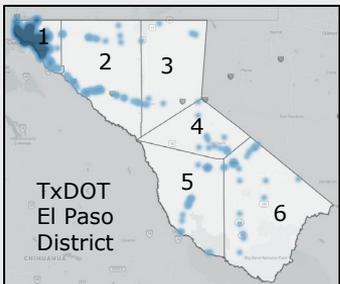


## Runaway Ramp

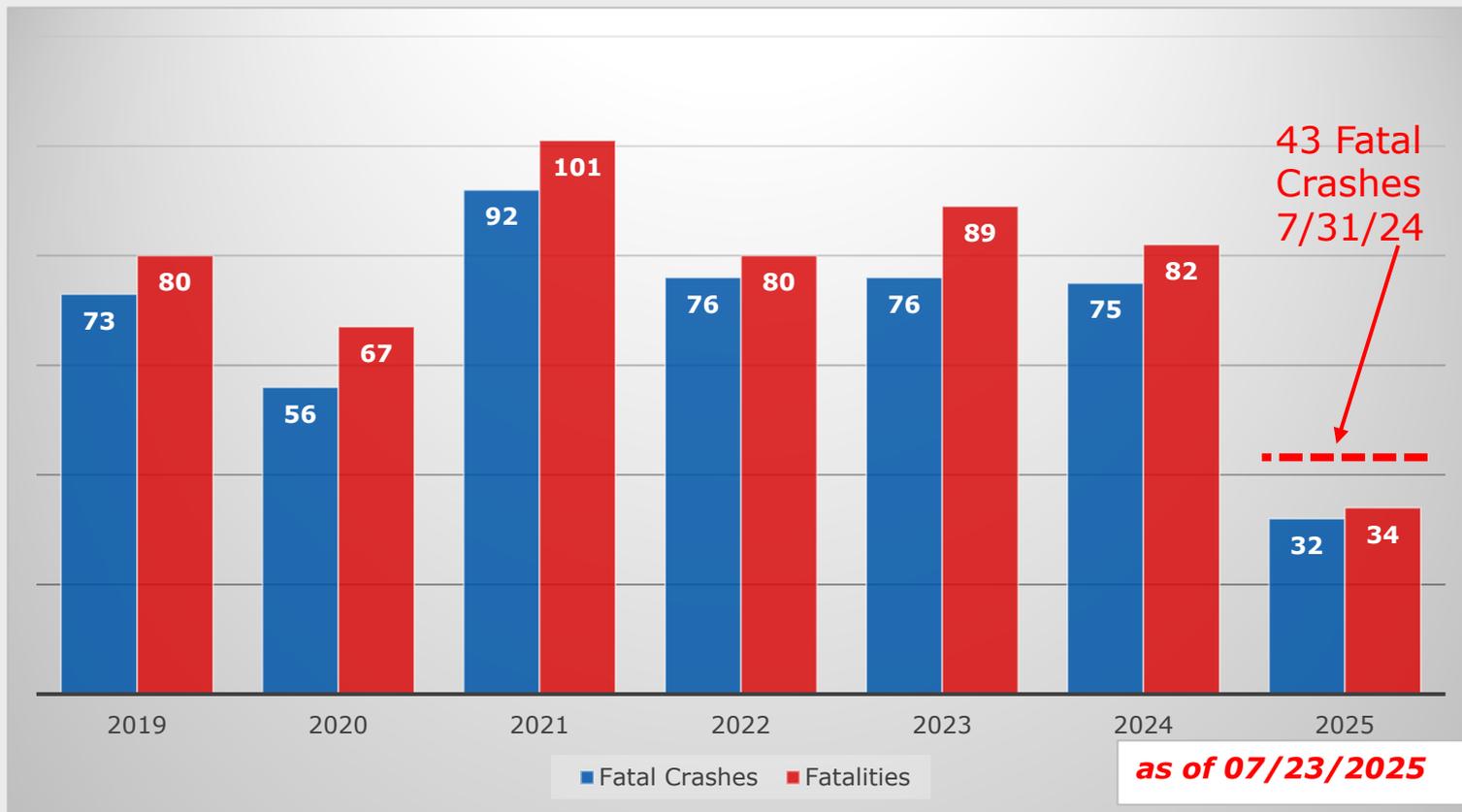


- CAT 11SF
- Auth. Funds: \$2.3M
- Let Date: May 2025

# Statistics – Yearly Fatal Crashes & Fatalities 2019 - Current



1. El Paso County
2. Hudspeth County
3. Culberson County
4. Jeff Davis County
5. Presidio County
6. Brewster County



HELP

# #EndTheStreakTX

End the streak of daily deaths on Texas roadways.

TxDOT.gov (Keyword: #EndTheStreakTX)



#EndTheStreakTX Toolkit



Questions?



September 27, 2025