

Oscar Leaser  
Mayor

Tommy Gonzalez  
City Manager



CITY COUNCIL  
Peter Svarzbein, District 1  
Alexsandra Annello, District 2  
Cassandra Hernandez, District 3  
Joe Molinar, District 4  
Isabel Salcido, District 5  
Claudia L. Rodriguez, District 6  
Henry Rivera, District 7  
Cissy Lizarraga, District 8

**Final  
NOTICE OF WORK SESSION  
OF THE CITY COUNCIL OF THE CITY OF EL PASO**

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**September 27, 2021  
COUNCIL CHAMBERS, CITY HALL  
9:05 AM**

**Teleconference phone number 1-915-213-4096  
Toll free number: 1-833-664-9267  
Conference ID: 101-587-92#**

Notice is hereby given that a Work Session of the City Council of the City of El Paso will be conducted on September 27, 2021 at 9:05 A.M. Members of the public may view the meeting via the following means:

Via the City's website. <http://www.elpasotexas.gov/videos>  
Via television on City15,  
YouTube: <https://www.youtube.com/user/cityofelpasotx/videos>

In compliance with the requirement that the City provide two-way communication for members of the public, members of the public may communicate with Council during public comment, and regarding agenda items by calling the following number:

1-915-213-4096 or Toll free number: 1-833-664-9267

**At the prompt please enter the corresponding Conference ID: 101-587-92#**

The public is strongly encouraged to sign up to speak on items on this agenda before the start of this meeting on the following links:

<https://www.elpasotexas.gov/city-clerk/meetings/city-council-meetings>  
and  
[http://legacy.elpasotexas.gov/muni\\_clerk/Sign-Up-Form-Monday-Work-Session.php](http://legacy.elpasotexas.gov/muni_clerk/Sign-Up-Form-Monday-Work-Session.php)

**The following member of City Council will be present via video conference:**

**Representative Alexsandra Annello**

**A quorum of City Council must participate in the meeting.**

## **AGENDA**

1. Presentation and discussion by the COVID-19 Response and Recovery Cross-Functional Team providing information on key activities, efforts, and processes. [21-1125](#)
  1. Overview (Tommy Gonzalez)
  2. City Attorney Overview (Karla Nieman)
    - a) Greg Abbott, in his official capacity as Governor of Texas, v. City of El Paso
  3. Team Lead Report:
    - a) Health Focus (Hector Ocaranza, M.D.)
    - b) Data Analysis (David Coronado)
  4. City Manager Wrap-up (Tommy Gonzalez)
2. Annual presentation to the City Council on progress by the Stormwater Utility and planned projects on the Stormwater Masterplan. [21-1123](#)
3. Presentation and discussion by El Paso Water regarding the utility's efforts to repair the Frontera Wastewater Force Main, which is located in the Upper Valley area and was damaged during recent storms, and the steps that they have taken to protect the public while the work is ongoing. [21-1143](#)

## **EXECUTIVE SESSION**

**The following member of City Council will be present via video conference:**

**Representative Aleksandra Anello**

The City Council of the City of El Paso may retire into EXECUTIVE SESSION pursuant to Section 3.5A of the El Paso City Charter and the Texas Government Code, Chapter 551, Subchapter D, to discuss any of the following: (The items listed below are matters of the sort routinely discussed in Executive Session, but the City Council of the City of El Paso may move to Executive Session any of the items on this agenda, consistent with the terms of the Open Meetings Act and the Rules of City Council.) The City Council will return to open session to take any final action and may also, at any time during the meeting, bring forward any of the following items for public discussion, as appropriate.

Section 551.071	CONSULTATION WITH ATTORNEY
Section 551.072	DELIBERATION REGARDING REAL PROPERTY
Section 551.073	DELIBERATION REGARDING PROSPECTIVE GIFTS

Section 551.074 PERSONNEL MATTERS  
Section 551.076 DELIBERATION REGARDING SECURITY DEVICES OR SECURITY AUDITS  
Section 551.087 DELIBERATION REGARDING ECONOMIC DEVELOPMENT NEGOTIATIONS  
Section 551.089 DELIBERATION REGARDING SECURITY DEVICES OR SECURITY AUDITS; CLOSED MEETING

## **Goal 6: Set the Standard for Sound Governance and Fiscal Management**

### **Discussion and action on the following:**

- EX1.** Claim of Eduardo Holguin Sr., Adzari Ordonez and Sivowim Ware, Matter No. 21-1026-11678 (551.071) [21-1124](#)
- EX2.** Update on Special Permit No. PZST21-00008. Matter No. 21-1007-2723 (551.071) [21-1126](#)
- EX3.** Update on Application of El Paso Electric Company to Change Rates, Public Utility Commission of Texas Docket No. 52195, Matter No. 21-1008-174 (551.071) [21-1151](#)
- EX4.** Discussion regarding the purchase, lease, exchange of real property located in central El Paso, Texas. Matter No. 21-1004-1257 (551.072) [21-1132](#)

## **ADJOURN**

### **NOTICE TO THE PUBLIC:**

If you need Spanish Interpreter Services, you must email [CityClerk@elpasotexas.gov](mailto:CityClerk@elpasotexas.gov) at least 48 hours in advance of the meeting.

**ALL REGULAR CITY COUNCIL AGENDAS ARE PLACED ON THE INTERNET THURSDAY PRIOR TO THE MEETING AT THE ADDRESS BELOW:**

<http://www.elpasotexas.gov/>



Legislation Text

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**File #:** 21-1125, **Version:** 1

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**CITY OF EL PASO, TEXAS  
LEGISTAR AGENDA ITEM SUMMARY FORM**

**DISTRICT, DEPARTMENT, CONTACT INFORMATION:**

*Please choose District and Department from drop down menu. Please post exactly as example below.  
No Title's, No emails. Please use ARIAL 10 Font.*

**All Districts**

City Manager's Office, Cary Westin, (915) 212-1063

**AGENDA LANGUAGE:**

*This is the language that will be posted to the agenda. Please use ARIAL 11 Font.*

Presentation and discussion by the COVID-19 Response and Recovery Cross-Functional Team providing information on key activities, efforts, and processes.

1. Overview (Tommy Gonzalez)
2. City Attorney Overview (Karla Nieman)
  - a) Greg Abbott, in his official capacity as Governor of Texas, v. City of El Paso
3. Team Lead Report:
  - a) Health Focus (Hector Ocaranza, M.D.)
  - b) Data Analysis (David Coronado)
4. City Manager Wrap-up (Tommy Gonzalez)



CITY OF EL PASO, TEXAS  
AGENDA ITEM  
DEPARTMENT HEAD'S SUMMARY FORM

DEPARTMENT: City Manager's Office

AGENDA DATE: September 27, 2021

CONTACT PERSON NAME AND PHONE NUMBER: Senior Deputy City Manager, Cary Westin  
(915) 212-1063

DISTRICT(S) AFFECTED: All Districts

**SUBJECT:**

Presentation and discussion by the COVID-19 Response + Recovery Cross-Functional Team providing information on key activities, efforts, and processes.

1. Overview (Tommy Gonzalez)
2. City Attorney Overview (Karla Nieman)
  - a) Greg Abbott, in his official capacity as Governor of Texas, v. City of El Paso.
3. Team Lead Report:
  - a) Health Focus (Hector Ocaranza, M.D.)
  - b) Data Analysis (David Coronado)
4. City Manager Wrap-up (Tommy Gonzalez)

**BACKGROUND / DISCUSSION:**

The COVID-19 Response + Recovery Cross-Functional Team is comprised of ten multi-disciplinary teams focused on the continued planning, development and implementation of actions supporting key impact areas. Ongoing updates will be provided to share key information and key upcoming items.

**PRIOR COUNCIL ACTION:**

N/A

**AMOUNT AND SOURCE OF FUNDING:**

N/A

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**BOARD / COMMISSION ACTION:**

Enter appropriate comments or N/A

\*\*\*\*\*REQUIRED AUTHORIZATION\*\*\*\*\*

DEPARTMENT HEAD:

  
(If Department Head Summary Form is initiated by Purchasing, client department should sign also)

# **COVID-19 Response + Recovery**

***Cross-Functional Team Update***

**9.27.21**

# Table of Contents

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1. Overview (Tommy Gonzalez)
2. City Attorney Overview (Karla Nieman)
  - a) Greg Abbott, in his official capacity as Governor of Texas, v. City of El Paso.
3. Team Lead Report:
  - a) Health Focus (Hector Ocaranza, M.D.)
  - b) Data Analysis (David Coronado)
4. City Manager Wrap-up (Tommy Gonzalez)

# 1. Overview

Tommy Gonzalez

# 2. City Attorney Overview

September 27, 2021

Overview

1. Greg Abbott, in his official capacity as Governor of Texas, v. City of El Paso

Karla Nieman



# Greg Abbott, in his official capacity as Governor of Texas, v. City of El Paso

- ❖ July 29, 2021: GA-38 suspends local authority to mandate masks.
- ❖ August 16, 2021- City Council authorizes TRO filing.
- ❖ August 17, 2021- City files TRO. Judge Morales grants TRO.
- ❖ August 20-25, 2021- AG filed Writ of Mandamus & Stay in 8th Ct of App. City responds.
- ❖ August 27, 2021- 8<sup>th</sup> Court of Appeals issues Order limiting Dr. Ocaranza's mask mandate.
- ❖ September 2, 2021- CC7 hearing & Temporary Injunction order.
- ❖ September 3, 2021- City motion asking 8<sup>th</sup> Court of Appeals to keep TI Order in place pending Governor's appeal.
- ❖ September 8, 2021- 8<sup>th</sup> Court of Appeals requests briefing on City's motion. Governor files response.



# Greg Abbott, in his official capacity as Governor of Texas, v. City of El Paso

## To date:

- ❖ No Ruling from 8<sup>th</sup> COA on City's request to keep Temporary Injunction in place.
- ❖ The 8<sup>th</sup> COA has also informed the AG's Office that it may dismiss their appeal due to a procedural issue.
- ❖ All matters in County Court No. 7 have been halted pending the appeal/resolution in the 8<sup>th</sup> COA.

# 3. Team Lead Report



# a. Health Focus

Hector I. Ocaranza, M.D.

# COVID-19 By the Numbers



COVID-19  
SITUATIONAL  
MONITORING

September 24, 2021



Positive Tests

88

New

144,369

Cumulative

COVID-19 Deaths

1

New

2786

Cumulative

Active

1,448

Recovered

139,994

Hospitalized

111

In ICU

44



COVID-19  
Community  
Scorecard

Stage 3



Infection  
Rate 4



Testing 3



Investi-  
gations 3



Healthcare  
Readiness 4



At-Risk  
Population 4



COVID-19  
Vaccinations

- ❖ Cases plateaued on about 10 new cases per 100,000
- ❖ Hospitalizations continue a downward trend but still above 100 hospitalized
- ❖ We have fully vaccinated over 75% of eligible population
- ❖ About 10% of new cases require hospitalization
- ❖ Unvaccinated Adults continue to lead hospitalizations
- ❖ We continue recommending practicing prevention with vaccination and non-pharmacological interventions

# COVID-19 Booster Dose

- ❖ FDA Advisory Panel reviewed data for Pfizer Vaccine and met on Sept. 17.
- ❖ Recommended against universal booster dose of the vaccine
- ❖ DID recommend a booster dose for the following:
  - ❖ 65 years of age and older
  - ❖ 18-64 with conditions that puts them at risk of severe complications
  - ❖ Others whose jobs involves exposures and makes them high risk of severe disease.
- ❖ EUA has been updated for Pfizer Vaccine
- ❖ Moderna and J&J have submitted results from Booster Trails

# COVID-19 Booster Dose

- ❖ CDC ACIP met on Sept. 22 and 23 to provide recommendations on Pfizer booster dose
- ❖ ACIP recommended booster dose to the following:
  - ❖ 65 years of age and older and Long-Term Care Residents
  - ❖ 50-64 years of age with underlying medical conditions
  - ❖ 18-49 with underlying medical conditions may get a dose but need to discuss risk-benefit with physician.
- ❖ No firm recommendation for occupations with high-risk exposures
- ❖ Awaiting recommendation from DSHS.

# COVID-19 Booster Dose

- ❖ On Sept. 24, CDC endorsed ACIP recommendations and included booster shot recommendation for high-risk occupational and institution settings.
- ❖ CDC recommends Booster shots to the following:
  - ❖ People 65 yrs and older
  - ❖ Residents of long-term care facilities
  - ❖ People 50-64 yrs with underlying conditions
  - ❖ People 18-49 yrs with underlying medical conditions based on risks/benefits
  - ❖ People 18-64 yrs at increased risk for high-risk exposure based on occupation or institutional setting and based on individual risks/benefits
- ❖ Interval for all groups is 6 months after completing schedule

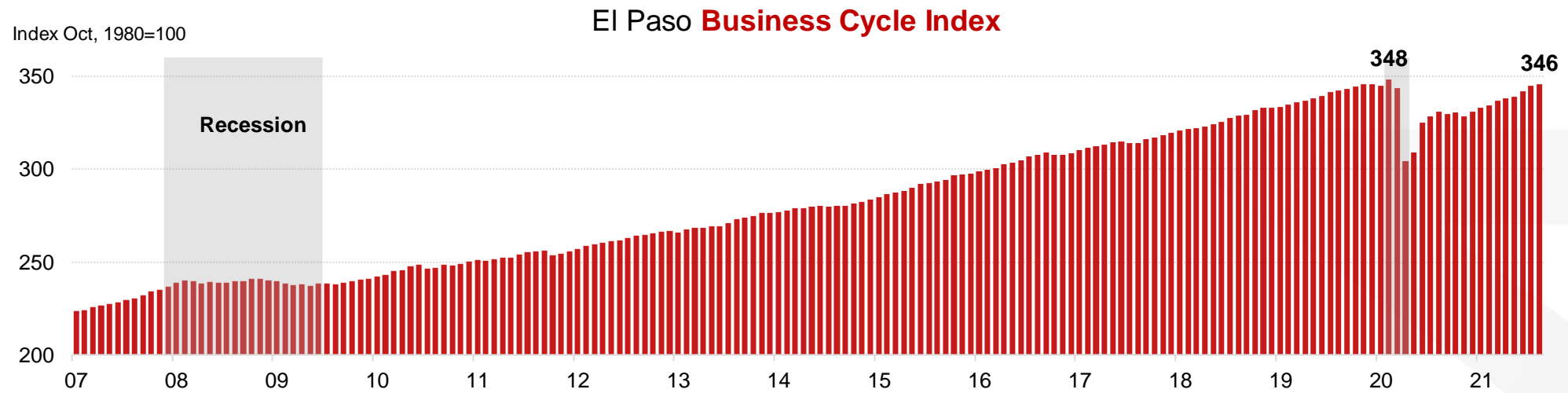


# b. Data Analysis

David Coronado

# Business Cycle Index

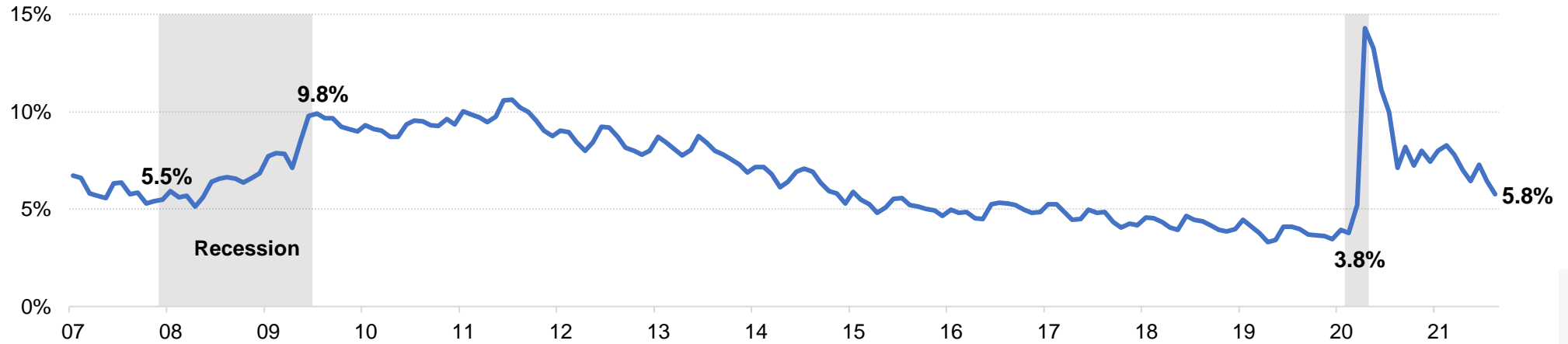
The path to economic recovery seems to be **gaining steam** driven by **lower unemployment**



Source: Federal Reserve Bank of Dallas. Last observation: August, 2021

# Unemployment Rate & Retail Sales (alloc.)

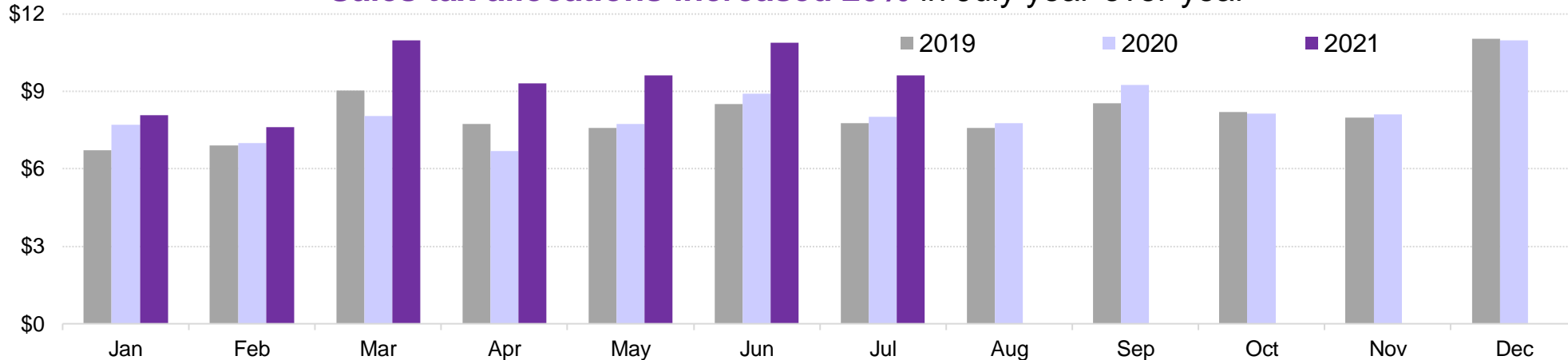
El Paso County Monthly **Unemployment Rate**



Source: Texas Workforce Commission. Last observation: August, 2021

millions

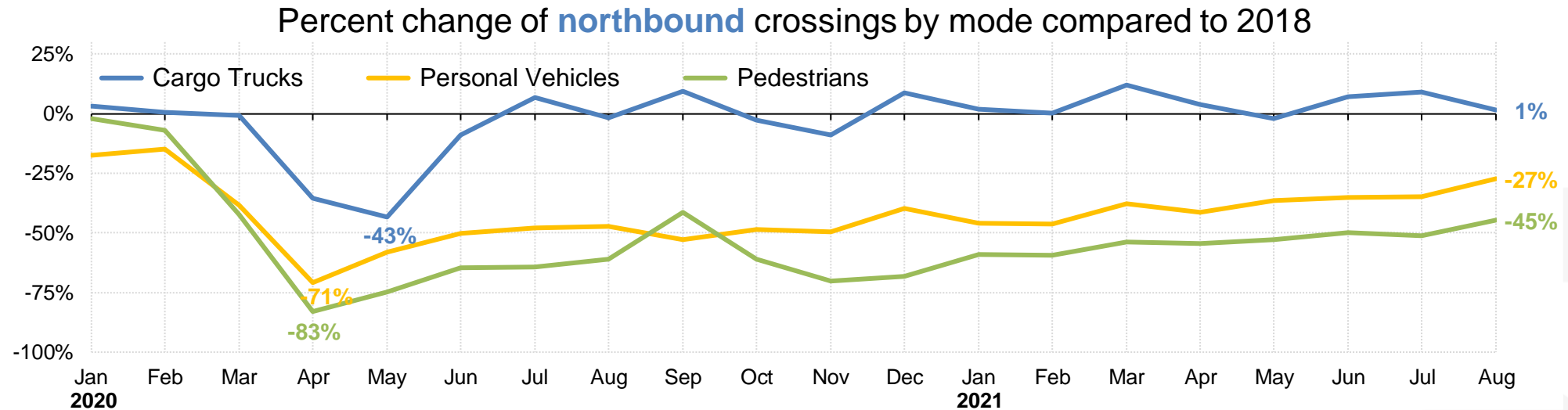
**Sales tax allocations increased 20% in July year-over-year**



Source: Texas Comptroller of Public Accounts. Last observation: July, 2021



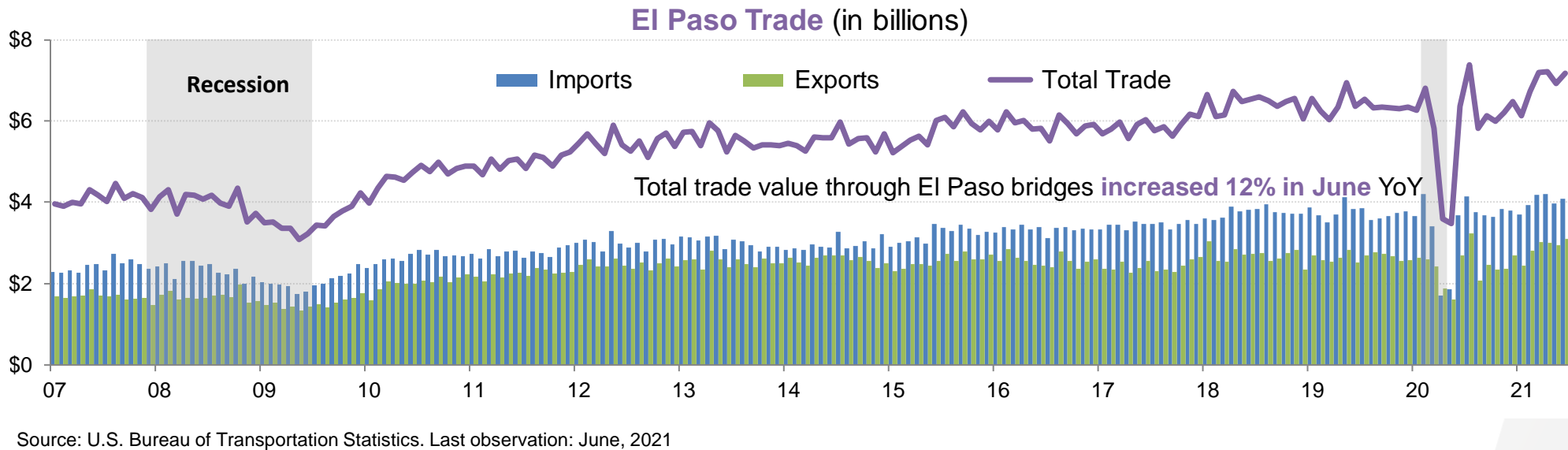
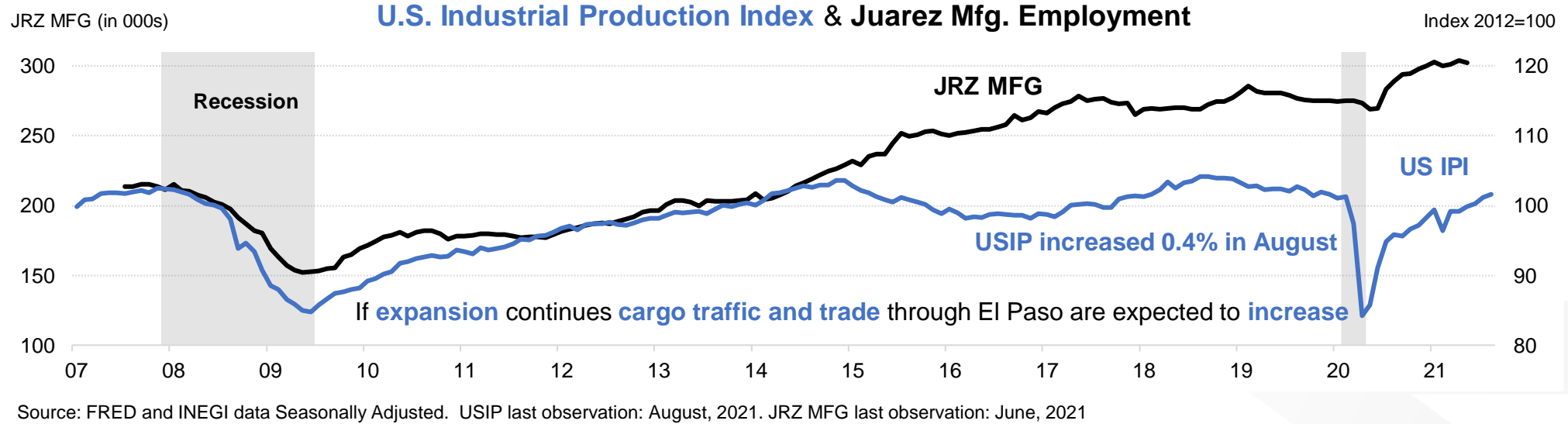
# International Bridge Crossings



Source: U.S. Customs and Border Protection compiled by the City of El Paso International Bridges. Last observation: August, 2021

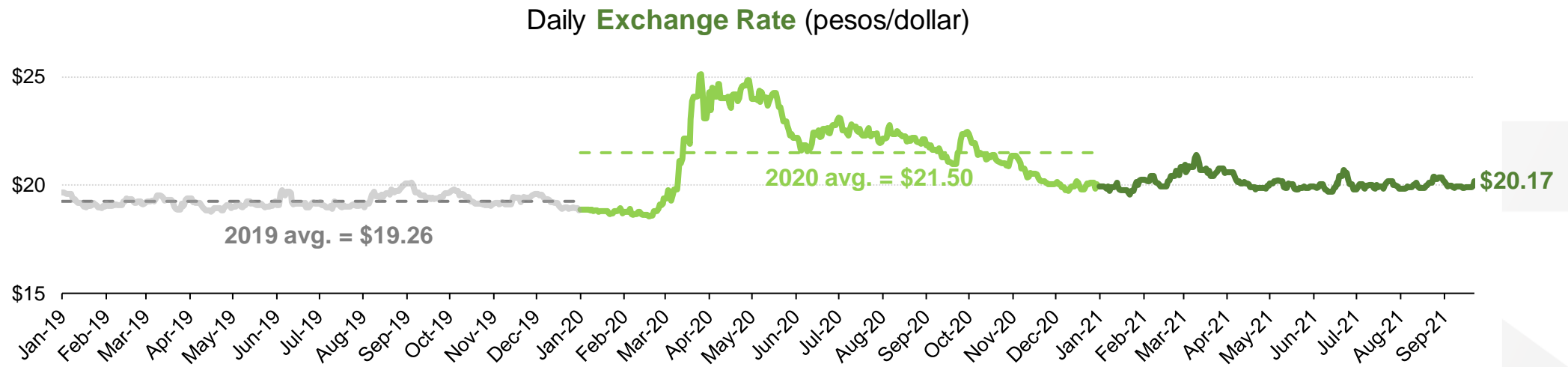
**US-México land border restrictions continue until at least October 21<sup>st</sup>**

# Manufacturing Activity & Trade



# Exchange Rate

MX Peso gradually **recovering** from covid-19 effects



Source: Banco de Mexico. Last observation: September 22, 2021

# 4. City Manager Wrap Up

Tommy Gonzalez

A large, thick, orange arrow graphic that starts from the left edge of the slide and points towards the right, ending near the center. It has a jagged, multi-segmented path.

# Thank you!



El Paso, TX

300 N. Campbell  
El Paso, TX

## Legislation Text

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**File #:** 21-1123, **Version:** 1

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### **CITY OF EL PASO, TEXAS LEGISTAR AGENDA ITEM SUMMARY FORM**

#### **DISTRICT, DEPARTMENT, CONTACT INFORMATION:**

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*No Title's, No emails. Please use ARIAL 10 Font.*

##### **All Districts**

El Paso Water, R. Alan Shubert, (915) 594-5644

#### **AGENDA LANGUAGE:**

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Annual presentation to the City Council on progress by the Stormwater Utility and planned projects on the Stormwater Masterplan.

**CITY OF EL PASO, TEXAS  
AGENDA ITEM  
DEPARTMENT HEAD'S SUMMARY FORM**

**DEPARTMENT:** EL PASO WATER

**AGENDA DATE:** September 27, 2021 – Work Session

**CONTACT PERSON NAME AND PHONE NUMBER:** R. Alan Shubert, P.E., Vice President, 915-594-5644

**DISTRICT(S) AFFECTED:** All Districts

**STRATEGIC GOAL:** Goal 7 – Enhance and sustain El Paso's infrastructure network

**SUBJECT:** Annual presentation to the city council on progress by the stormwater utility and planned projects on the stormwater masterplan.

**BACKGROUND / DISCUSSION:**

City council created the stormwater utility to be managed by El Paso Water by Ordinance No. 016668 on June 19, 2007, to start operations on March 1, 2008. As part of the ordinance, El Paso Water is required to present an annual report on the status of the system.

**PRIOR COUNCIL ACTION:**

N/A

**AMOUNT AND SOURCE OF FUNDING:**

N/A

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\*\*\*\*\*REQUIRED AUTHORIZATION\*\*\*\*\*

**DEPARTMENT HEAD:**



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(If Department Head Summary Form is initiated by Purchasing, client department should sign also)



# 2021 Monsoon Season Update

September 2021



# Area Flooding



Credit: KFOX / CBS

# Historic Data

Average rainfall August 2006	6.85"
Rainfall recorded August 1, 2006	2.84"
Average annual precipitation	8.78"
Cumulative annual rainfall 2021 (NWS / NOAA) January – August ( <b>Hydrometeorologist Reports</b> )	10.63" (based on Airport Gauge)
Max Daily Rain 2021 - CoCoRaHs @ Wyler Tramway	4.65"
Max. Rainfall from June 27 – August 16 (NWS) Max. Rainfall from June 27 – August 16 (CoCoRaHs)	10.63" 13.6"

# Monthly and Annual Average Rainfall Report

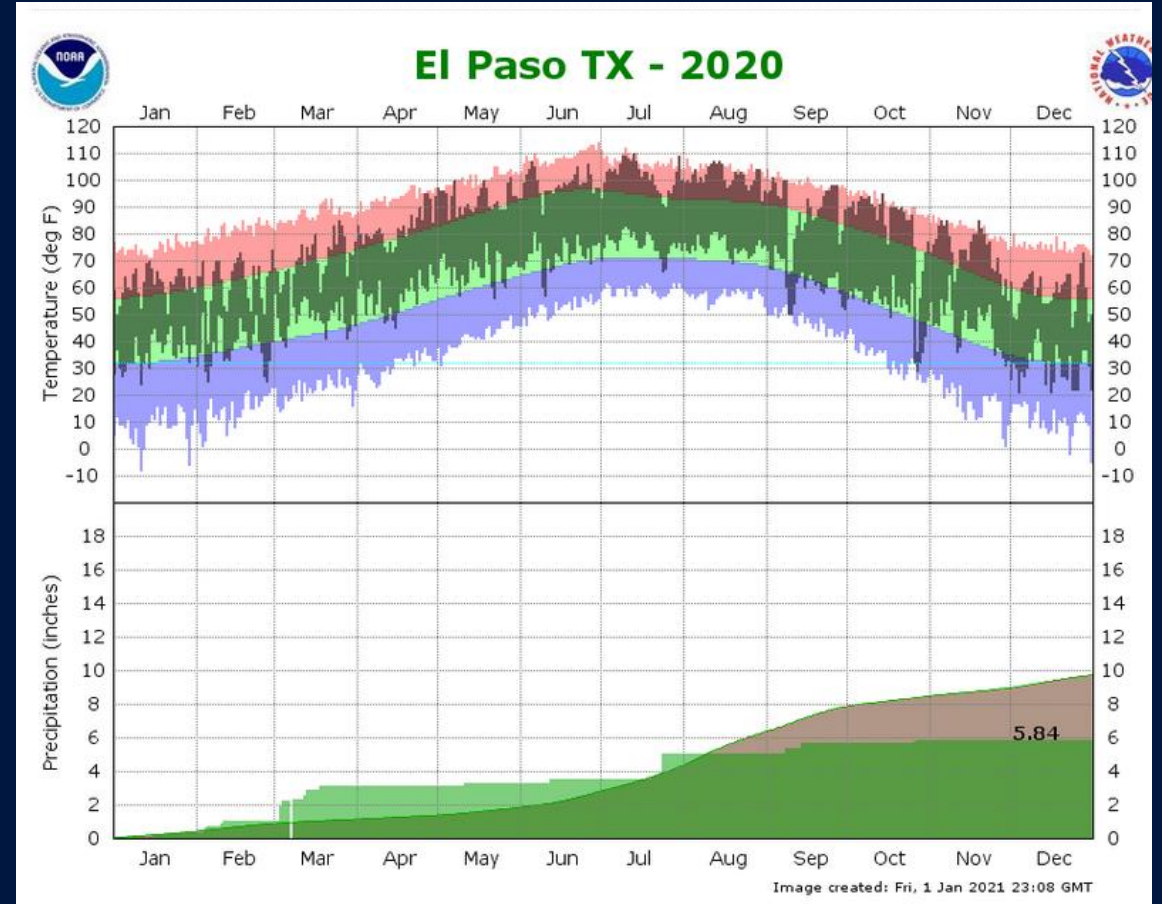
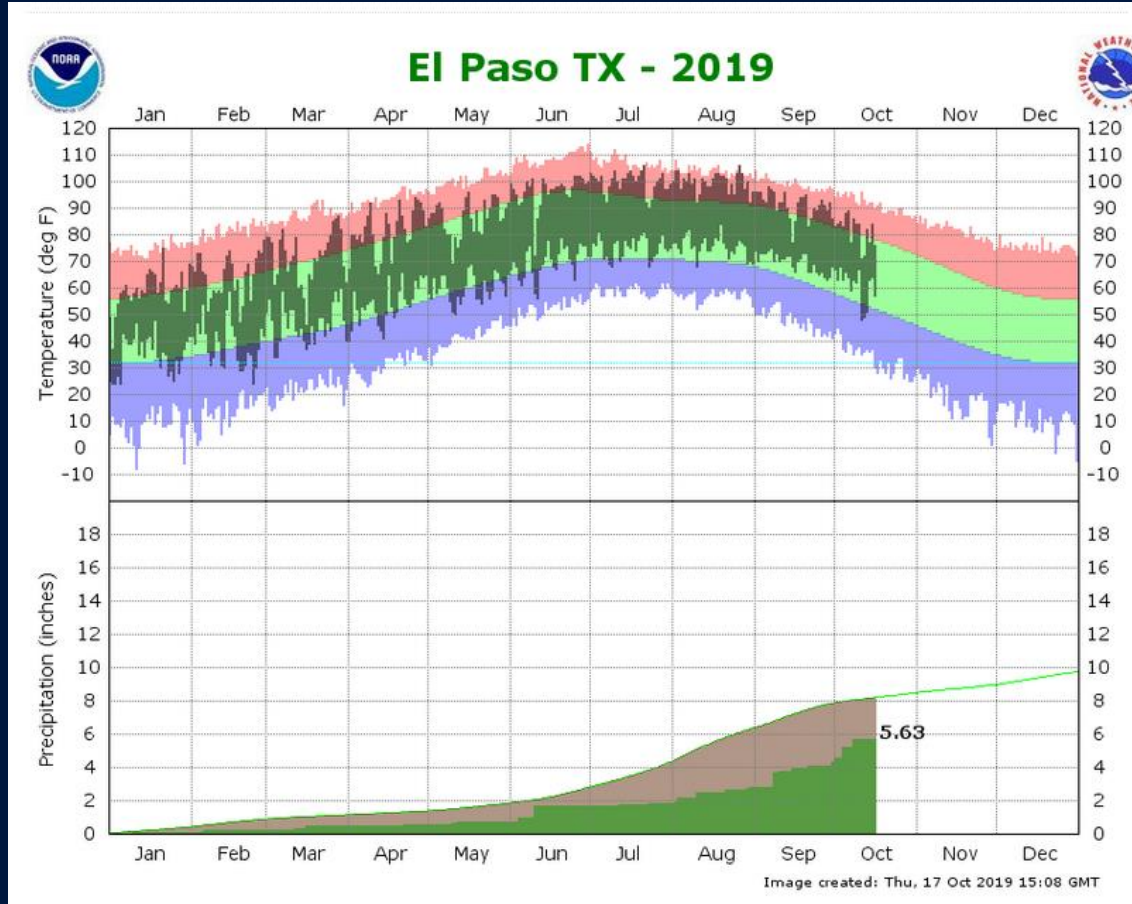
Report Year: 2021		Rainfall through: 31 August 2021				Issued: 2 September 2021				Report Status: <b>August Final</b>			
Region	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Year
West	0.25	0.24	0.00	0.16	0.05	2.72	1.96	4.44	0.00	0.00	0.00	0.00	9.81
Northeast	0.27	0.53	0.00	0.23	0.12	3.16	3.38	5.07	0.00	0.00	0.00	0.00	12.76
Central	0.19	0.10	0.07	0.06	0.03	2.17	4.03	3.25	0.00	0.00	0.00	0.00	9.89
Valley	0.21	0.12	0.00	0.07	0.03	1.57	2.79	2.71	0.00	0.00	0.00	0.00	7.49
City Wide	0.24	0.32	0.01	0.16	0.07	2.64	2.86	4.27	0.00	0.00	0.00	0.00	10.57
KELP (NWS)	0.18	0.40	0.00	0.24	0.18	2.37	4.80	2.46	0.00	0.00	0.00	0.00	10.63

## Winter Snowpack information and expected Spring/Summer Stream flow for the upper Rio Grande (% of Normal)

Snow Basin	Snowpack							Stream flow				
	Dec-21	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Dec-21	Jan 21	Feb 21	Mar 21	Apr 21	May 21
Upper Rio Grande	86%	64%	83%	99%	79%	50%		<25%	<25%	<25%	<25%	<25%
Rio Chama	75%	84%	50%	79%	77%	42%		<25%	<25%	<25%	<25%	<25%
Sangre	95%	104%	82%	94%	66%	35%		<25%	<25%	30%	<25%	<25%
Jemez	59%	58%	75%	71%	65%	<25%		<25%	<25%	<25%	<25%	<25%

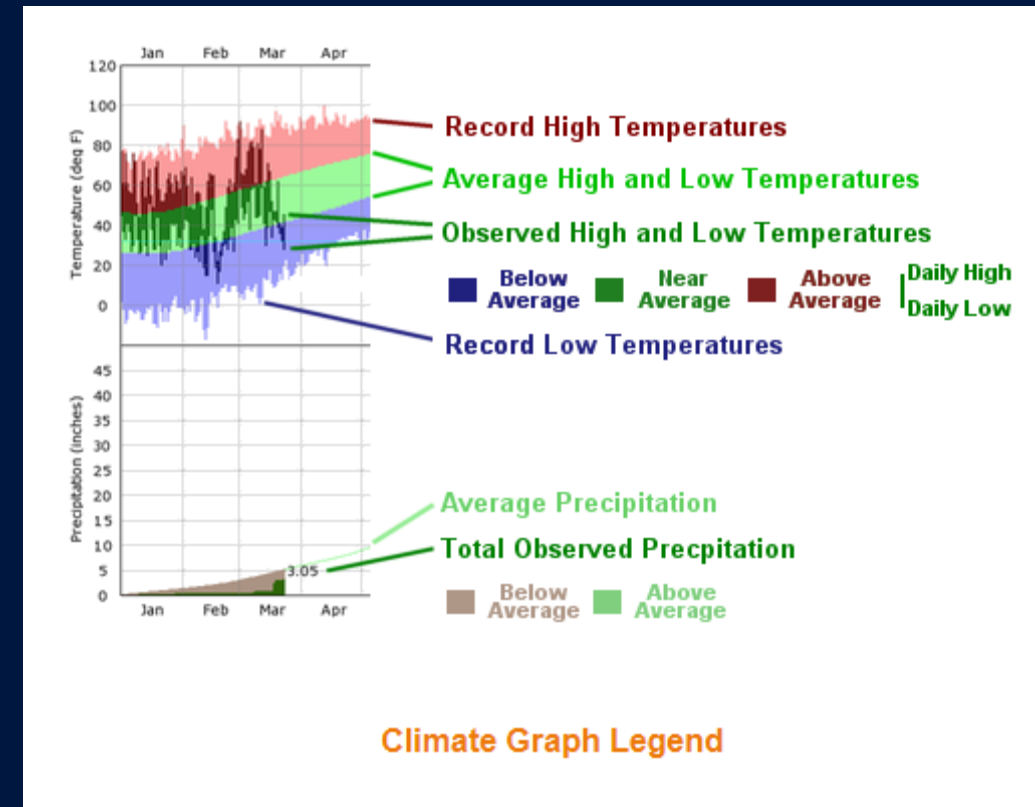
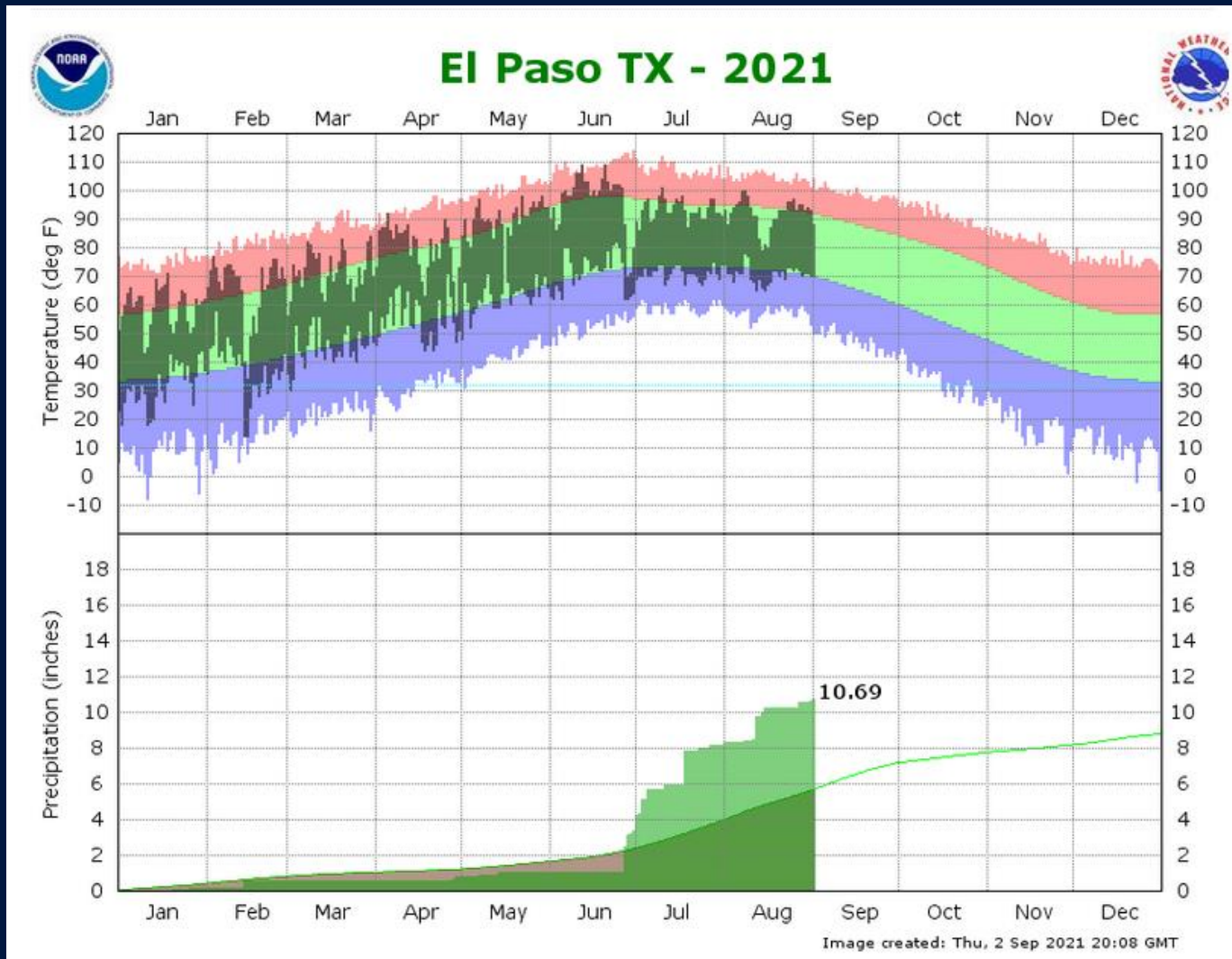
Notes: August, like July came in very wet with most of the regions coming in between 1.04 inches above normal (valley region) to 3.40 inches above normal (northeast region). Note this northeast region had the highest basin average for the month which is unusual for the monsoon season. Usually the west region would have a higher amount. This was due to the events from 10-14 August where northeast flow dominated the region. Also note the official climate station was at least 1 inch lower than all the basin averages. This shows the most of the rain fell in more isolated areas as well. While this is not unusual, it is notable.

# Temperature and Precipitation Plot for El Paso





# Temperature and Precipitation Plot for El Paso 2021



# Rainfall Data – June 27 – August 16

Location / Date	Weighted Rainfall (Rainfall over watershed)
Central	9.39"
Northeast	11.32"
East	7.08"
Westside	9.08"
Citywide	9.63"

# Citywide Maximum Daily Recorded Rainfall

Location / Date	Maximum Daily Recorded Rainfall
Central (08/12/21)	4.65"
Northeast (08/12/21)	3.42"
East (07/18/21)	3.46"
Westside (08/13/21)	2.78"

# Storm Frequency

Frequency	1-Hour Precipitation		24-Hour Precipitation	
	DDM Central (2008)	Atlas-14 (2018)	DDM Central (2008)	Atlas-14 (2018)
1 yr	0.41-in	0.68-in	0.80-in	1.18-in
2 yr	0.70-in	0.89-in	1.35-in	1.54-in
5 yr	0.97-in	1.20-in	1.83-in	2.07-in
10 yr	1.15-in	1.48-in	2.16-in	2.56-in
25 yr	1.41-in	1.88-in	2.60-in	3.29-in
50 yr	1.61-in	2.21-in	2.96-in	3.90-in
100 yr	1.84-in	2.56-in	3.34-in	4.58-in
200 yr	2.18-in	2.95-in	3.89-in	5.36-in
500 yr	2.47-in	3.49-in	4.35-in	6.50-in

These values represent statistical storm depths at EPIA based on prior analyses.

The DDM was published in 2008.

NOAA Atlas-14 was published in 2018.

NOAA Atlas-14 consistently reports that statistical storms are of greater magnitude.



# Storm Frequency for 2021 Events

Date	Location	Precipitation Depth	1 hr Precipitation		24 hr Precipitation	
			DDM (2008)	Atlas-14 (2018)	DDM (2008)	Atlas-14 (2018)
June 27 - East	Sam Snead	2.21-in	> 50 yr	50 yr	10 yr	10 yr
July 18 - East	McRae	3.28-in	> 250 yr	> 200 yr	75 yr	25 yr
August 12 - Central	Fort Blvd	4.65-in	> 500 yr	>500 yr	> 500 yr	> 100 yr

NOAA Atlas-14: new standard adopted by Texas



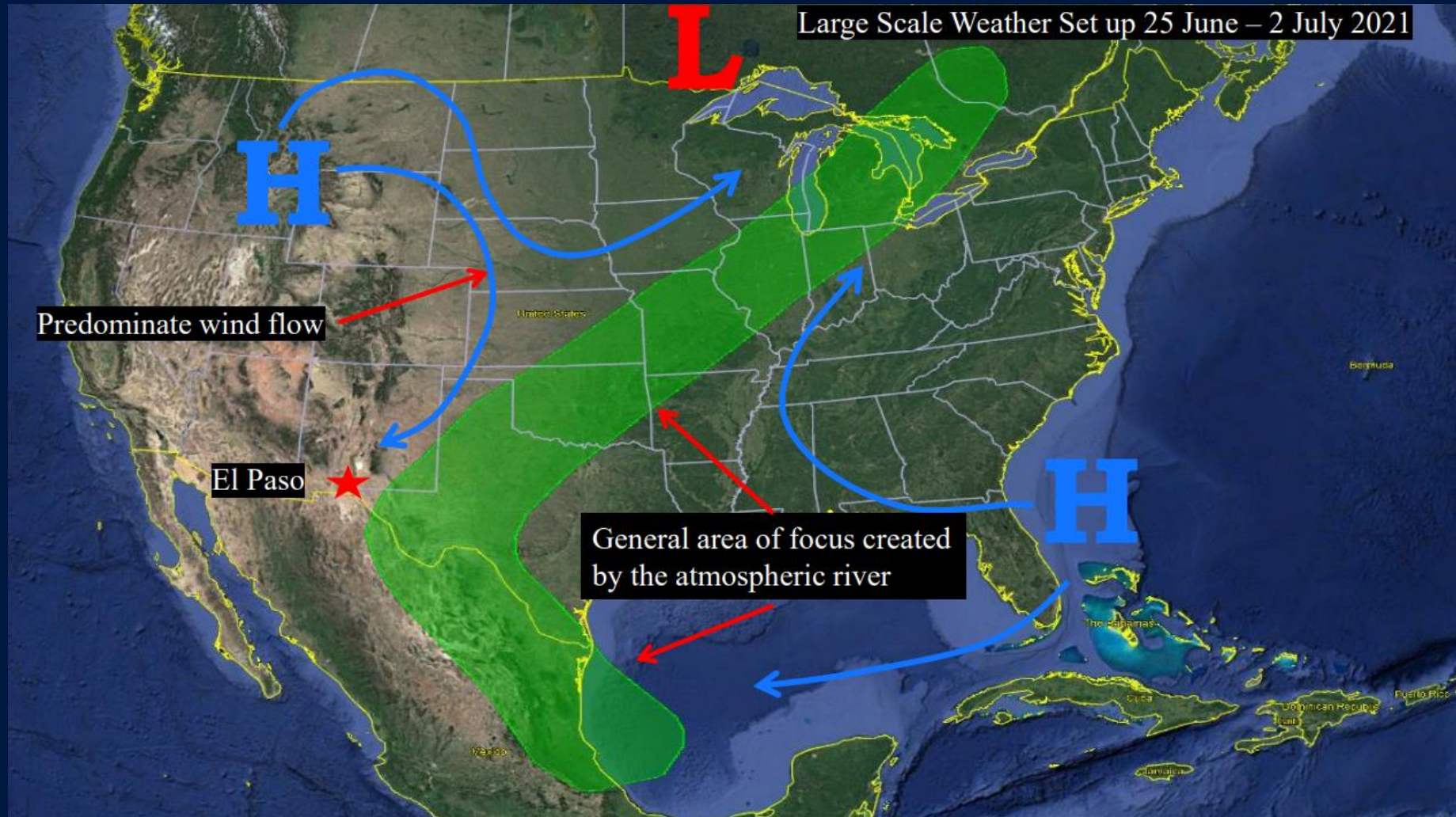
# Storm Events

## June 27, 2021 to July 5, 2021

# Moisture Conditions

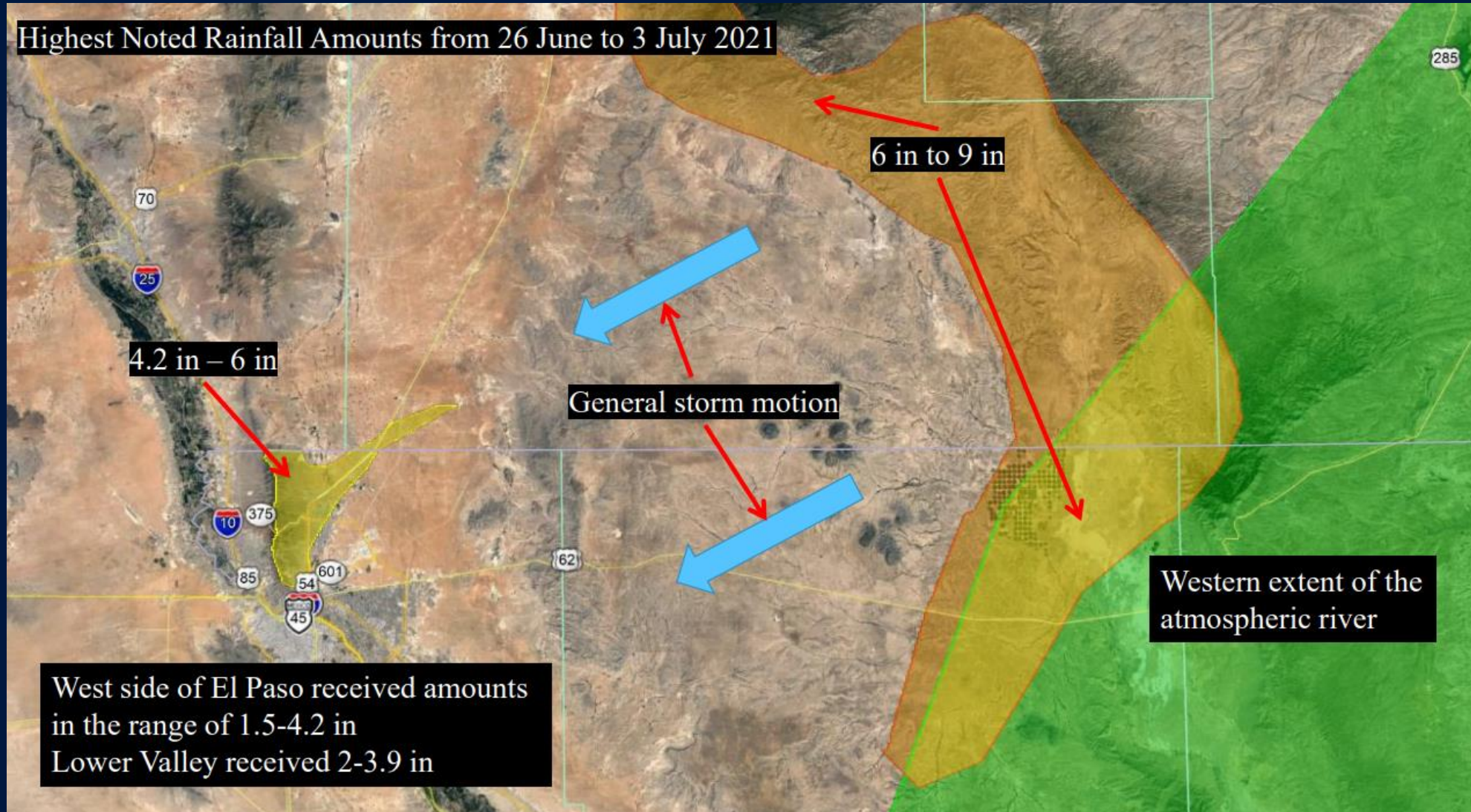
- Strong high-pressure system
- Lake Superior, Central plains MO, KS, OK to Eastern NM, West of El Paso, Chihuahua and Coahuila Mexico
- Moisture transported in large quantities - "Atmospheric River": El Paso in western fringe of river
- Its scale is unusual for our region and had potential to create large amounts of rain
- Last time atmospheric river centered over El Paso was in 2006
- This time El Paso was in the western fringe of river. If centered, storms would have been more severe

# Moisture Pattern





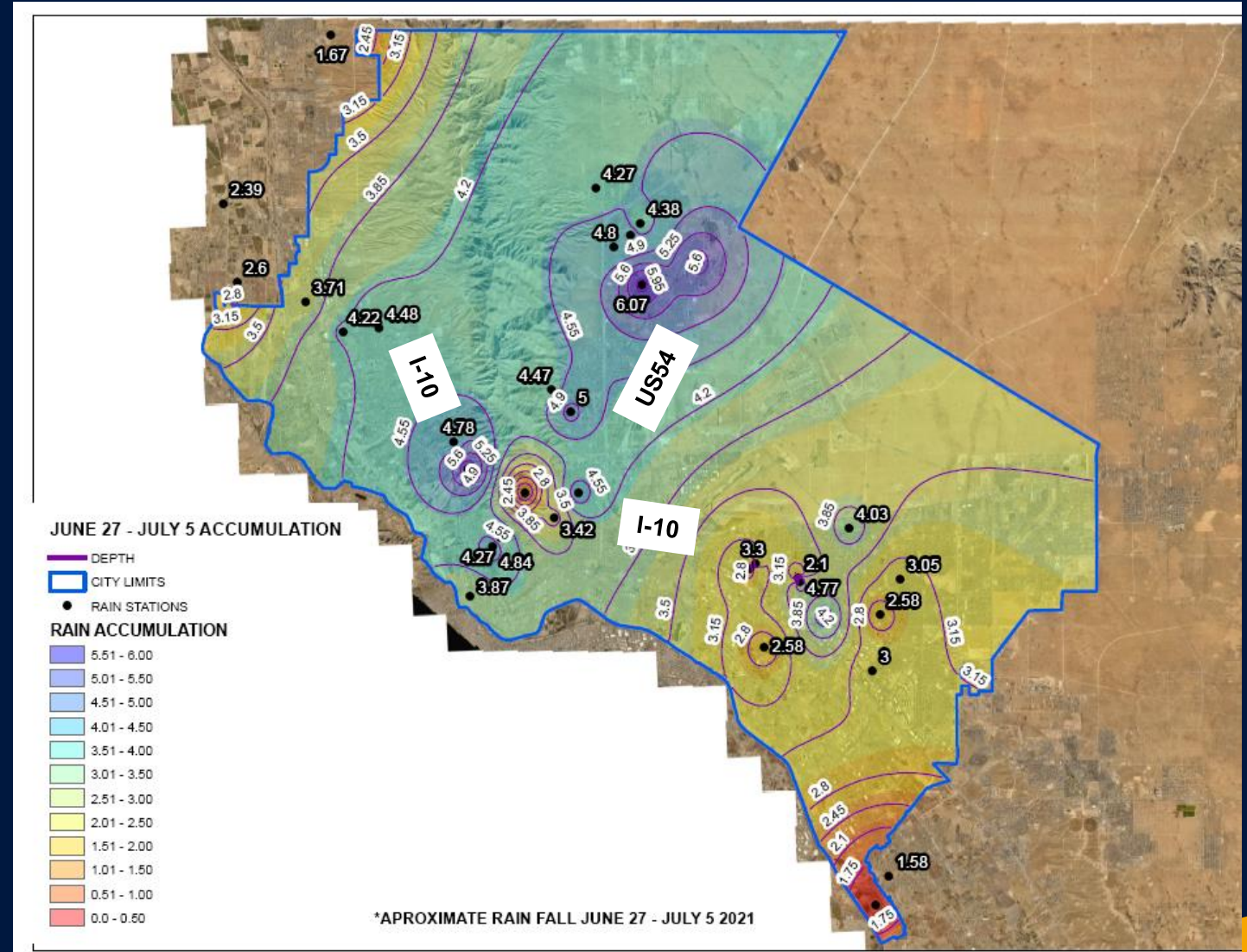
# Highest Noted Rainfall Amounts





# CoCoRahs Rain Interpolation : June 27 – July 5

- **West**  
Grand Teton / Mesa Park / Executive  
at Paisano - 5.6"
- **Northeast**  
Old Spanish Trail / Clearview Channel  
/ Fort Bliss Diversion – 5"  
  
Range Dam into Diana Ditch – 6"
- **Central**  
Cincinnati - 4.55"
- **West Central**  
Piedmont - 4.84"
- **East**  
Sam Snead – 4.77"





# Storm Event August 12, 2021



# Storm Conditions - August 12 (24-hour)

- Heaviest rain fell on the east side of the Franklin mountains
- Storm came from the north-northwest, and most of the rain slipped around the mountains from that direction, avoiding the rain shadow effect
- Area of heaviest rainfall includes the watershed that drains into the Gateway Ponds; the volume of rainfall filled up the ponds
  - This prevented a significant amount of flooding that would have occurred if they hadn't been built
- **CoCoRaHS** station within the Gateway Ponds watershed measured a 24-hour rainfall total of 4.65", which is greater than the **500-yr** event per to the Drainage Design Manual (DDM) and approximately the **100-yr** event per to Atlas-14

# Storm Conditions - August 12 (1-hour)

According to a **Weather Underground** station in the Central watershed:

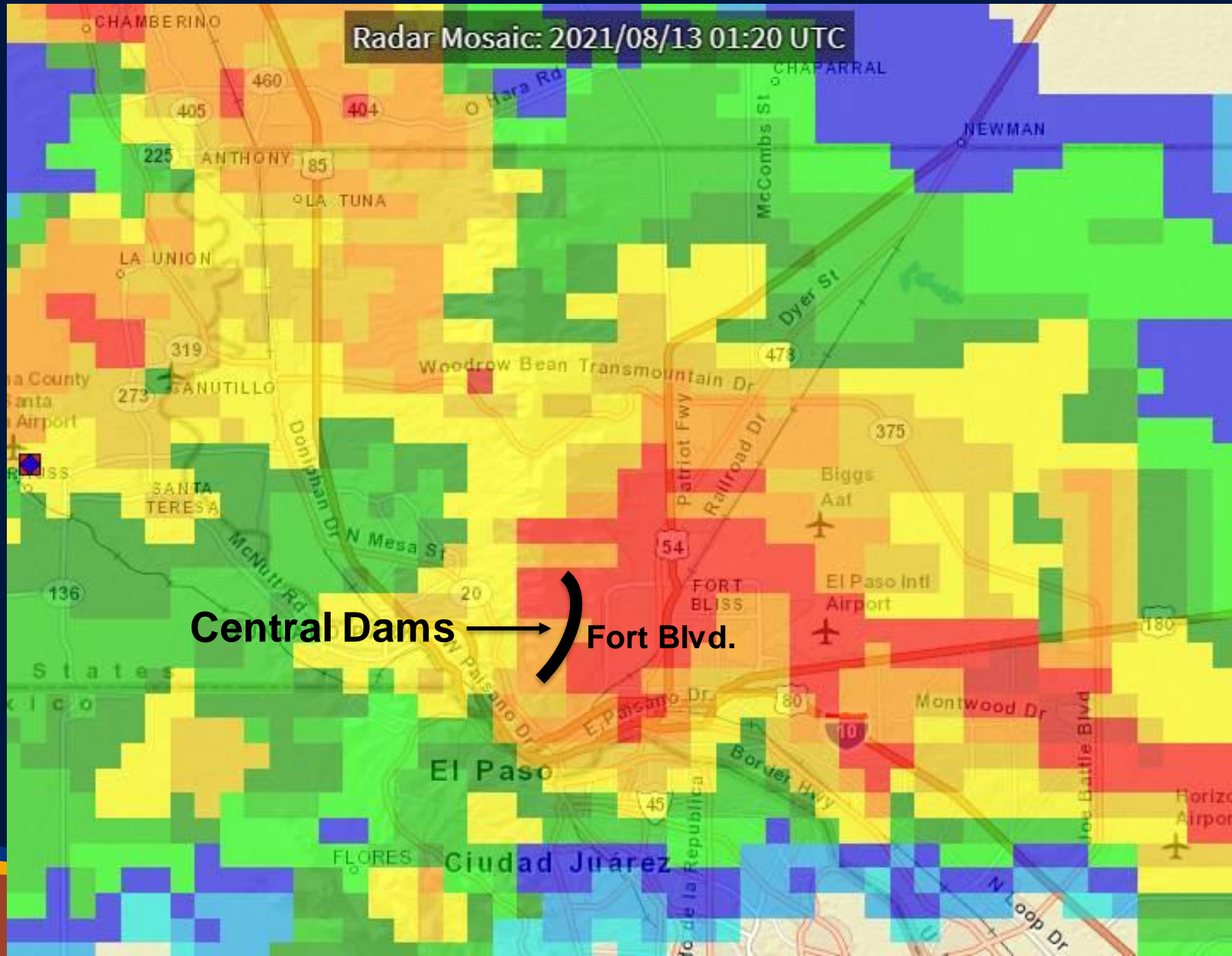
- The most severe rainfall fell from 6:30-7:30 p.m. At that station 3.18" of rain fell within that one hour alone
- According to the DDM this rainfall is greater than the **500-yr** event and per NOAA Atlas-14, this 1-hr rainfall was above the **200-yr** event

# Rainfall Amount August 12, 2021



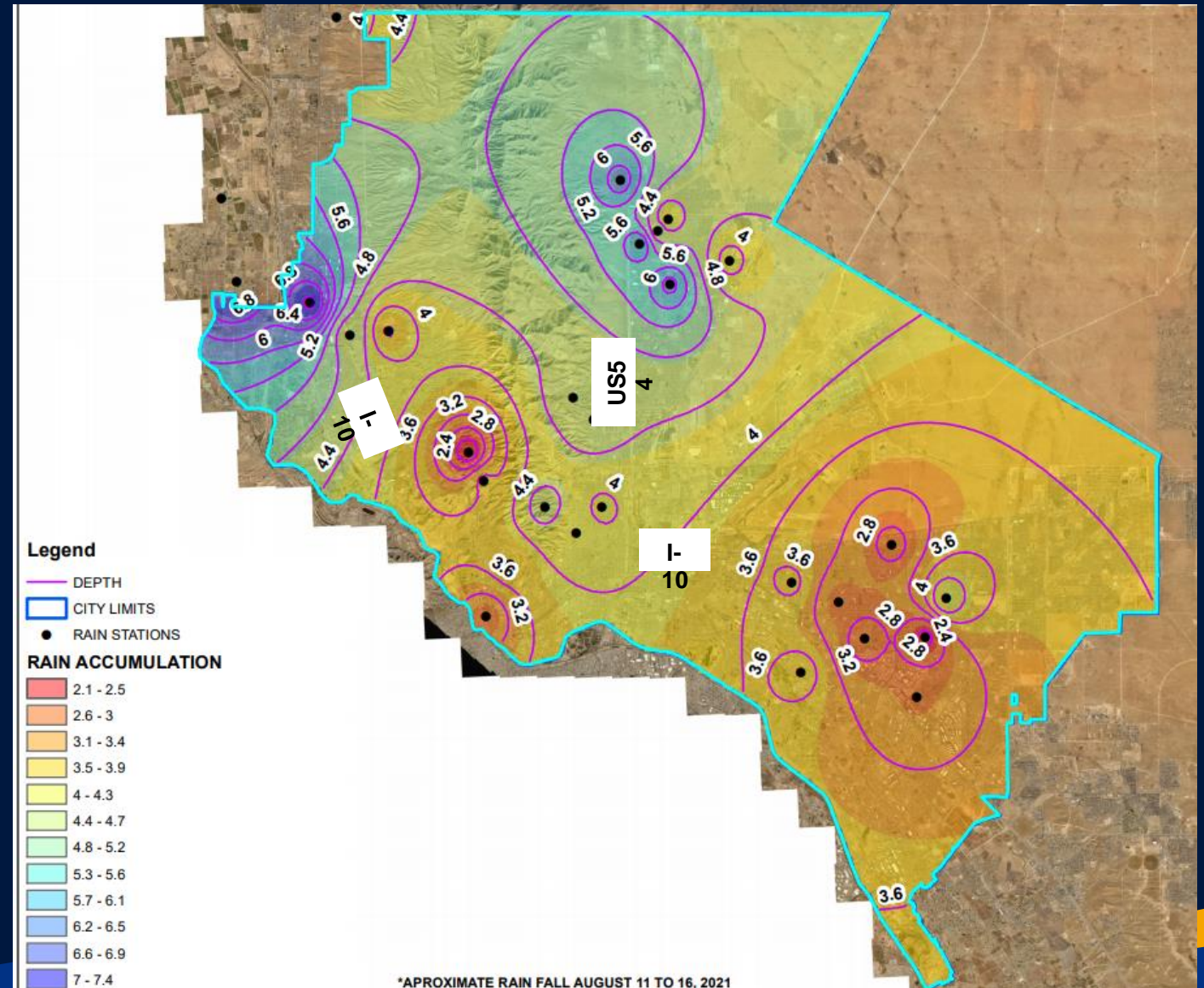


# Radar Intensity at 7:20 p.m.



# CoCoRahs Rain Interpolation: August 12 – August 13

- **West**  
Grand Teton / Mesa Park / Executive  
at Paisano: 2.4" – 3.6"
- **Northeast**
  - Old Spanish Trail / Clearview Channel /  
Fort Bliss Diversion: 4.4" - 6"
  - Range Dam into Diana Ditch – 6"
- **Central**  
Dams: 4.4" - 4.8"
- **West Central**  
Piedmont - 4.4"
- **East**  
Sam Snead – 2.8"





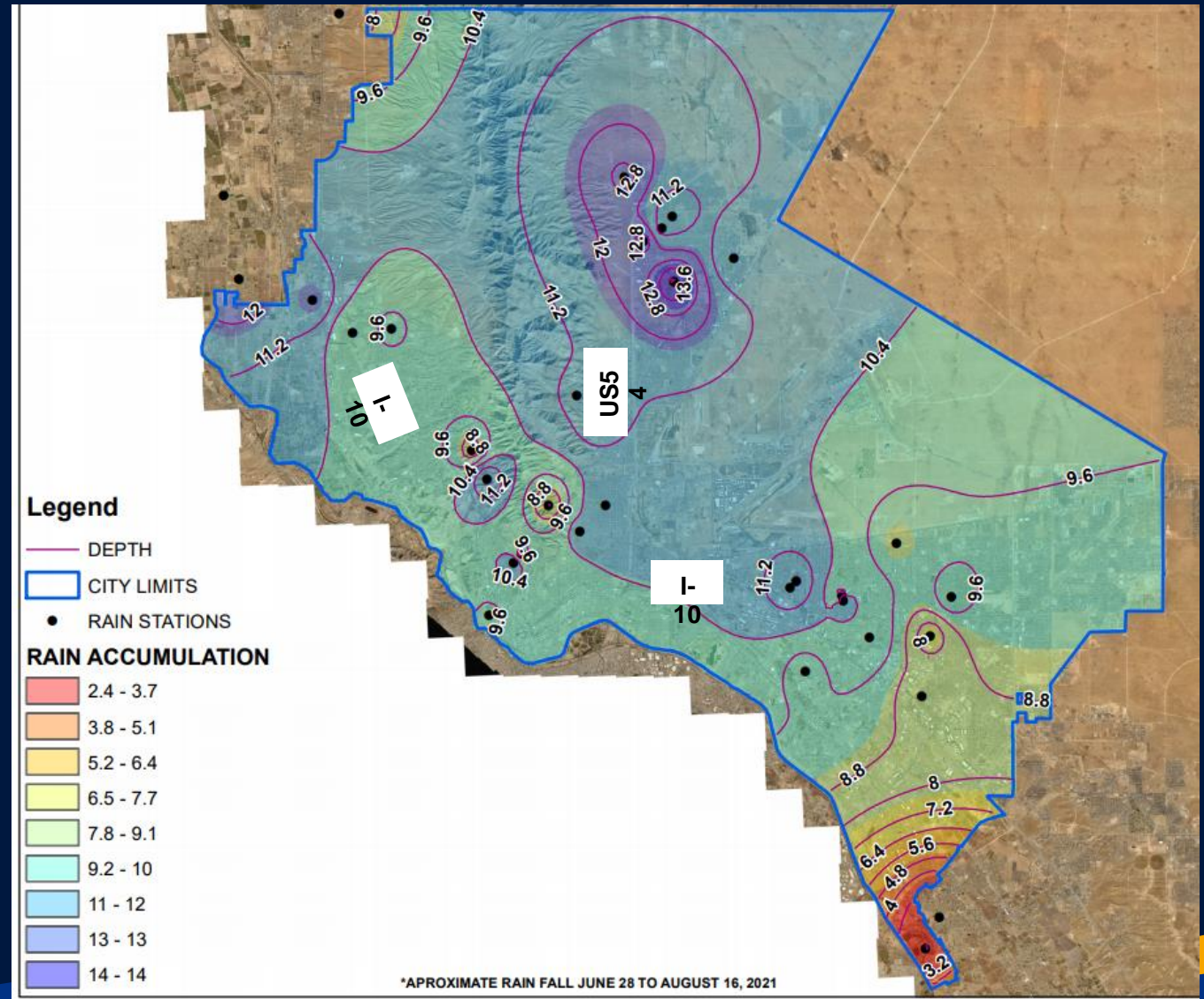
# Storm Events

## June 27, 2021 – August 12, 2021



# CoCoRahs Rain Interpolation: June 28 – August 16

- **West**  
Grand Teton / Mesa Park / Executive at Paisano – 11.2"
- **Northeast**
  - Old Spanish Trail / Clearview Channel / Fort Bliss Diversion: 11.2 - 13.6"
  - Range Dam into Diana Ditch – 12.8"
- **Central**  
Dams: 10.4" - 11.2"
- **West Central**  
Piedmont – 8.8" – 10.4"
- **East**  
Sam Snead – 9.6"



# Service Request Calls

Constituents

91 received

25 completed

City –  
Council Members  
and Staff

38 received

30 completed

# Street Cleanup List

Street Name	Limits / Intersection
Copia	Douglas, Morehead, Mountain, Cotton, Justus
Piedras	Gold
Elm	Jefferson to San Jose (1.7 miles)
Alabama	Fort, Porter, McKinley, Russell
Van Buren	Piedras to Dyer (1 mile)
Continuous coordination and assistance to Street and Maintenance	

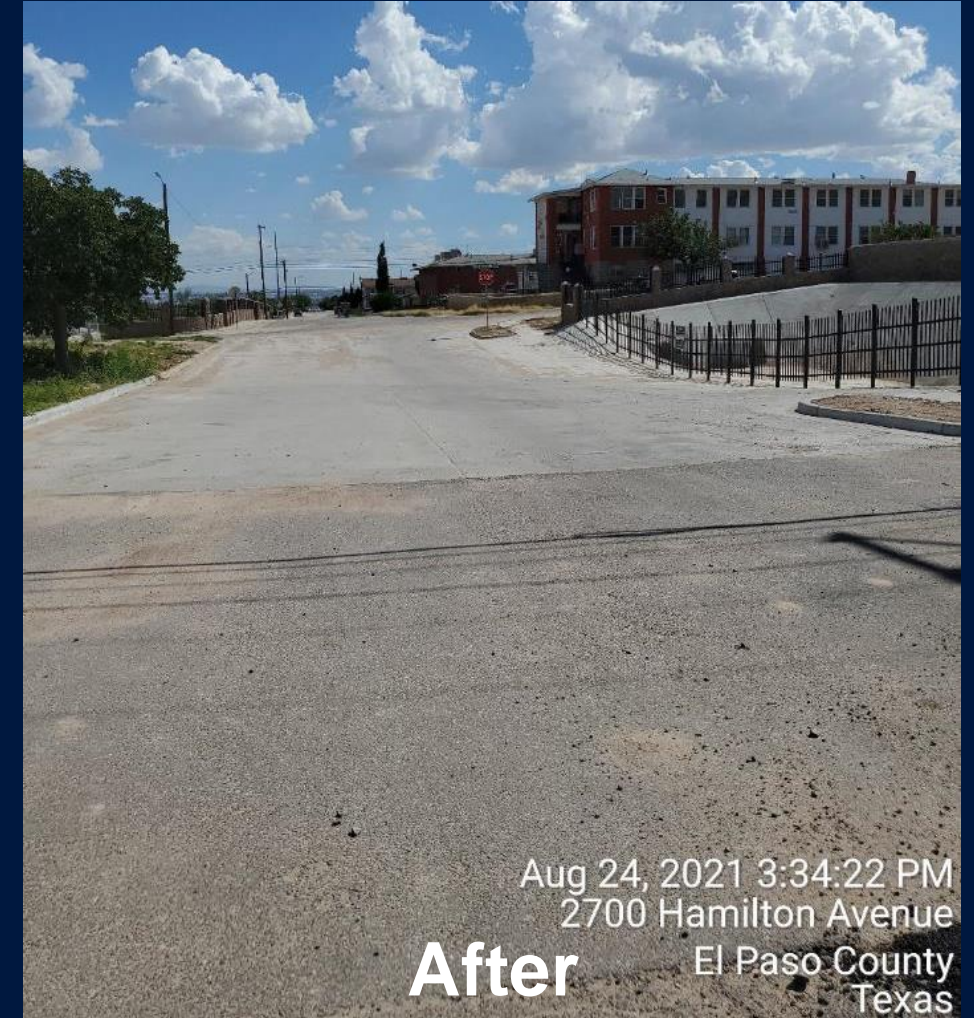


# Street Cleanup Location





# Hamilton and Louisiana





# Fort and Alabama



Cleanup by EPWater and Streets and Maintenance. Paving by Streets and Maintenance.



# Fort Boulevard to Morehead Dam



**Before**



**After**



# Fort Boulevard – Thomason Reservoir Access Road



Before



Reconstruction in progress



# Erosion downstream of Morehead Dam



Private Property



Private Property



Morehead Dam

# Emergency Items

62 Locations

8 Completed

21 In progress

7 CIP items

2,533 Inlets cleaned  
600 cleaned twice



# Completed

Project	Scope of work
Canterbury Channel – (twice)	Sediment and debris removal
New York Channel crossings debris removal – (twice)	Debris removal and rock wall reconstruction
Silver Springs Dam desilting and erosion – (twice)	Desilting
Fort Bliss Diversion conduit evaluation	Culvert Structural analysis
Thorn Dam	Exposed pipe, backfill and compaction
Montwood and Estrada	Clean inlet
Viscount and Hawkins	Clean inlet
Colfax / Euclid Neighborhood	Pump station and clean pond
Alabama at Harrison	Erosion and sidewalk reconstruction
Vasco Channel	Sediment and trash clean up
Pollard Pond	Vegetation removal
O’Keefe Basin	Trash removal

# Canterbury Channel Sediment Removal



Debris removal within channel and crossing



# New York Channel



Debris removal within channel and crossing



# New York Channel Debris Removal

Channel  
stabilization  
in the  
works



Before



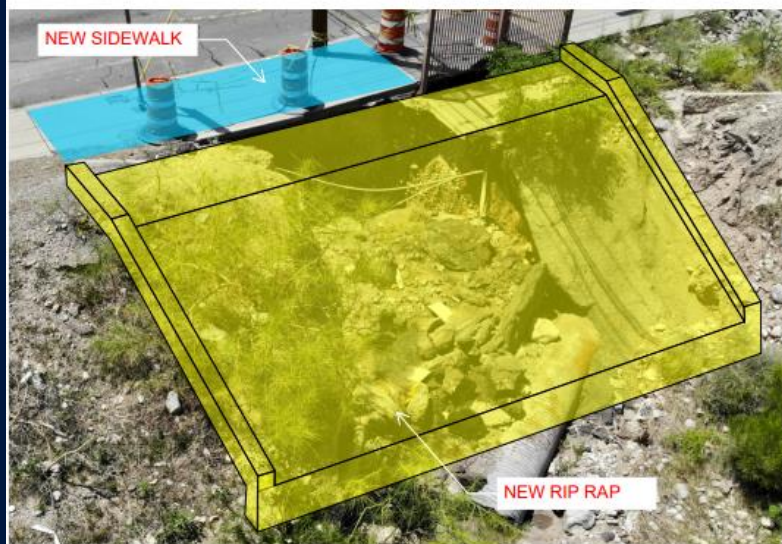
After



Same grate



# Alabama and Harrison



Before



After



# Fort Bliss Diversion Access Structures Northeast



No structural damages; covers have been welded



# Silver Springs Dam





# O'Keefe Basin - Illegal Dumping





# Inlet Clean Up

200 N. Copia



601 Resler





# Pollard Pond II - Sacramento and Pollard





# Vasco Channel - Vasco and Belvidere





# In Progress

Project	Scope of work
Ojo De Agua Channel	Rebuild channel section and channel evaluation
Mesa Park Arroyo - twice	Rebuild arroyo, slope protection and culvert installation
Sam Snead Drainage	Complete system and rebuild street
High Ridge Channel	Repair broken concrete slab
Morehead Dam	Build access ramp and desilt
Memphis Dam	Obtain access easement, build access ramp and desilt
Edgemere and Airway	Rebuild drainage flume
Canterbury Channel – 2 <sup>nd</sup> clean up	Debris removal and channel repairs

# In Progress

Project	Scope of Work
Maple Street between Grant and Arizona	Replace west grated inlet on Maple Street with curb inlet, north of alley
Clark and El Paso Drive	Channel erosion and undermining
Lake Omega, North of Montwood	Design and Construction removal of blockage and concrete flume, cmp pipe colapsed
Yandell and Boone erosion repair	Backfill
New York Channel crossings debris removal - twice	Debris removal and channel construction
Fort Bliss Diversion Conduit	Trash grate design and construction
NE Ponding System	Backfill erosion and rebuild maintenance road
Thunderbird Channel	Repair concrete and erosion
Pico Norte Pond - North slope erosion	Build flume along north slope
Wallenberg / 5400 Sunscreech	Debris cleanup, construction of parapet wall
Robinson, downstream of tank	Repair flume and backfill erosion

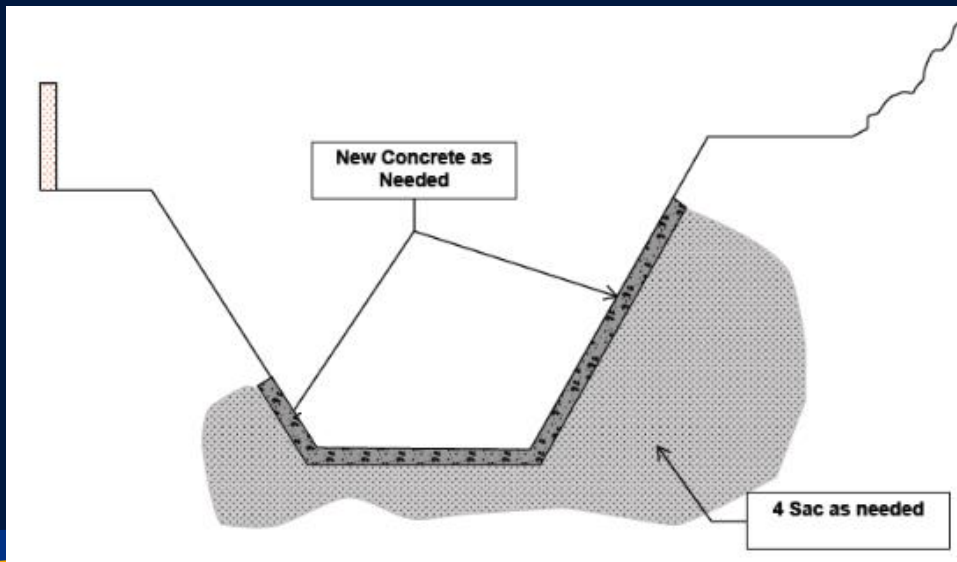
# Ojo De Agua Channel



210 linear feet of concrete channel repair



# Thunderbird Channel





# Mesa Park – Extreme Erosion

Work prior to 06/28 event



Repairs prior to August 12 event



June 28 event damages



August 12 event damages





# High Ridge



Protruding cement slab – design in progress



# Sam Snead - Eastside



Undermining – reconstruction in progress



# Fort Bliss Diversion / Julian Conduit



Structural Grate design in progress



# San Marcos



Heavy sediment accumulation  
Structure cleaned, pipe cleaning pending specialized contractor



# Canterbury Channel – Second Clean Up



Debris removal, erosion and  
channel repairs







# Pending Items

# Clearview Channel



Trash removal and erosion repair



# Franklin Crest



Large erosion compromising flume and sidewalk  
Erosion repairs



# Yandell and Boone - Central



Erosion repairs



# Palisades



Erosion repairs



# Pond 2 / Redd Road



Erosion repairs



# CIP Action

Project	Scope of Work
Buffalo Soldier Channel at International Underpass aka Chevron Channel	Land Acquisition, design and construction of linear pond
Clearview Channel desilting basin	Land acquisition, design and construct desilting basin
US54 and Dyer - NE Flooding	Coordinate with Fort Bliss – design and construction of dual ponds with tunnel connection
Magdalena Pond	Re-excavate pond
Doniphan 2 Pump Station – trash rack / sediment control	Construct inlets with sediment and debris trap
Lincoln Drain	Rebuild channel
Colfax / Euclid neighborhood	New pump station in design, land acquisition needed

# Magdalena Pond



Intersection: Racetrack and Doniphan  
Extreme flooding



# US54 and Dyer

Atlas Ave.

Dyer St.

US 54

Apollo Ave.

Coordination with  
Fort Bliss ongoing

Julian Ave.

El Paso Water

# Successful Projects

Projects	Projects
Gateway Ponds	Van Buren Dam
Saipan Park Pond	Ocotillo Channel
Magnolia Pump Station	NE Channels
Dallas Pump Station	Austin Pond
Morenci Pond	Copia Pond
Grand Teton Basin	Kentucky Dam
Government Hills	Fairbanks Catch Basin
Mulberry Dam	Keystone Dam
Barker Storm System	Lee Trevino Phase I and II
Basin G System Improvements	Louisiana Dam Improvements
Belvidere Channel Spillway	Magnolia-Piedras Force Main
Cebada Outfall Conduit Clearance	Magnolia-Piedras Pump Station



# Successful Projects

Projects	Projects
Cebada Outfall System Improvements	Mesa Dam Slope Erosion
Chihuahueta PS	Mesa Drain Improvements
Construction 85' Jersey Curve Drainage Easement	Mesa Hills Control Basin
Copia Pond Construction and Conveyance Improvements	Mesa Park Spillway Structure
Copper Queen Slope Stabilization	Montoya Drain Culvert Crossings
Dallas Conduit Clearing of Utilities	Morenci Pond
Dallas Conduit Structural Repairs Ph 1 and 2	Northeast Channel 2 Improvements
Dam No 9 Improvements	O'Keefe Conduit Repair
Doniphan Ditch Improvements	West Hills 23
Doniphan and Frontera junction box repairs	Pellicano Pond 1 Repairs
Eastwood Dam Excavation	Pershing Dam
Electric Ditch Improvementss	Pollard Pond (CE2 NADB)

# Successful Projects

Projects	Projects
Gateway East Pond	Resler Canyon Outfall
Gateway West Pond	RV Channel Spillway
Gateway West Pond Expansion	San Lorenzo Street and Drainage Improvements
Glen Campbell Spillway Construction	Silver Springs Dam (NW19)
Government Hills Channel Inlet Improvements	South Central Projects
Grand Teton Basin	Thomas Manor Park-Pond and Pump Station Improvements
Ramos Court drainage	Van Buren Dam Improvements



# Grand Teton





# San Lorenzo



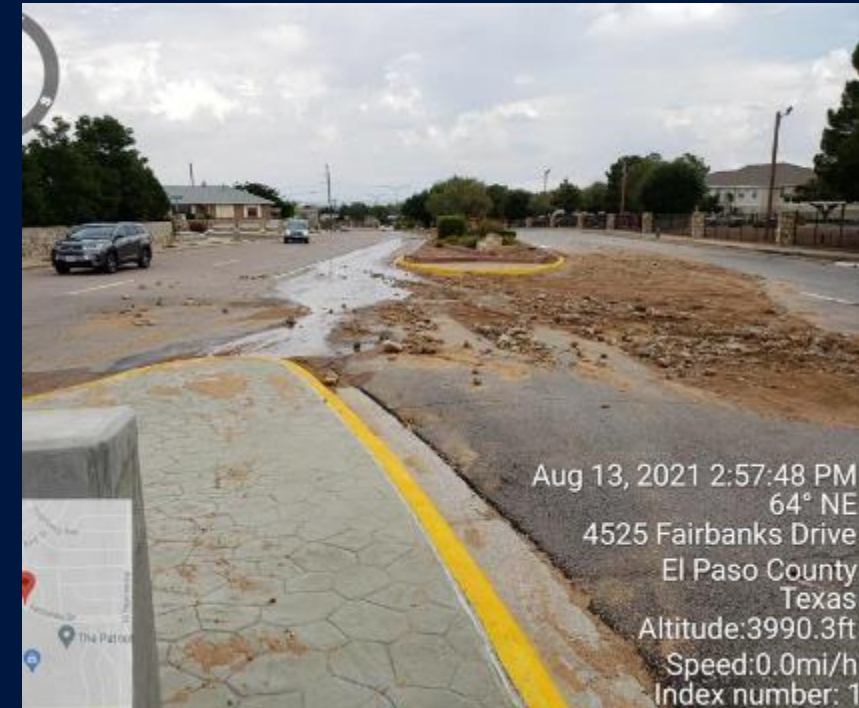


# Doniphan and Frontera





# Fairbanks Catch Basin - Northeast



5 feet of sediment and silt in some areas



# Mulberry Dam - Westside



1301 Desierto Rico Avenue  
El Paso County  
Texas

# Keystone Dam - Westside







# CoCoRaHS

Community Collaborative Rain, Hail & Snow Network

# CoCoRaHS

## Who can participate?

- Anyone interested in watching and reporting weather conditions

## What will our volunteer observers be doing?

- Each time a rain, hail or snowstorm crosses an area, volunteers take measurements of precipitation from as many locations as possible
- Precipitation reports are recorded at [www.cocorahs.org](http://www.cocorahs.org), and data is displayed and organized for users

## Who uses CoCoRaHS?

- The National Weather Service, meteorologists, hydrologists, emergency managers, city utilities (water supply, water conservation, storm water), insurance adjusters, USDA, engineers, mosquito control, ranchers and farmers, teachers, students, and neighbors in the community

**To sign up, apply online:** <https://www.cocorahs.org/Application.aspx>



# CoCoRaHS Volunteer

Community Collaborative  
Rain, Hail & Snow Network  
(CoCoRaHS)  
rain gage and application



COMMUNITY COLLABORATIVE RAIN, HAIL AND SNOW NETWORK  
([www.cocorahs.org](http://www.cocorahs.org))

## Volunteer Observer Application Form

Name: \_\_\_\_\_ Date: \_\_\_\_\_  
Street Address: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ County: \_\_\_\_\_  
Home Phone: ( ) \_\_\_\_\_ Daytime Phone: ( ) \_\_\_\_\_  
E-mail Address: \_\_\_\_\_ Daily Internet Access: Yes / No  
Give a brief description of your map location (Latitude/Longitude if available): \_\_\_\_\_

Nearest cross streets/roads: \_\_\_\_\_  
(Please use back of application to draw a map of your site, if located in a rural area – thankst!)  
If 18 years or younger (optional for adults), please fill out the shaded section below:

Age: \_\_\_\_\_ Parent or Guardian Name: \_\_\_\_\_  
Grade: \_\_\_\_\_

How did you find out about this project? \_\_\_\_\_

*In order to participate in this project, you are strongly encouraged to attend a special 60-minute training session on measuring rain and hail. Dates, times, and locations are posted on our Web site.*

You will need a high capacity 4" diameter rain gauge to participate in this network (other gauges not accepted)

- ☐ I already have this particular type of gauge.  
☐ I will purchase one from [www.weatheryourway.com](http://www.weatheryourway.com) or  
<http://www.ambientweather.com/strgloteprra.html>

Rain gauge will be read and emptied daily at:

☐ 7:00 a.m. (*highly recommended*) ☐ 6:00 a.m. ☐ 8:00 a.m. ☐ Other time: \_\_\_\_\_

It is important to the project that your rain gauge is read and emptied at the same time each day. We ask that when you are not at home please report your "accumulated amount" for the days that you are away.

If you or a family member would like to volunteer for additional network duties, check here:

☐ YES, I would like to help — Contact me!

I would prefer: ☐ On-line Training ☐ To attend a Training Session ☐ Walk-in Training

Please return this form to:  
Local CoCoRaHS Coordinator

CoCoRaHS – Colorado Climate Center  
Department of Atmospheric Sciences  
Colorado State University - Fort Collins, CO 80523-1371

### For Staff Use Only

Station Name: \_\_\_\_\_  
Station Number: \_\_\_\_\_  
Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_  
Date Trained: \_\_\_\_\_ Date Station Num. Issued: \_\_\_\_\_  
Date Received/Shipped Gauge: \_\_\_\_\_  
Date Contacted: \_\_\_\_\_



# Stormwater CIP FY21-22



# Stormwater CIP FY21-22

- 5 Year (Years 1-5)
- 10 year (Years 6-10)
- Annual items included in 5-year CIP (Years 1-10)

# 5-Year CIP (Years 1-5)

Project	Estimated Cost
Flow Path 39A Detention (TIRZ 10)	\$12.2M
Palisades Stormwater System	\$ 6.4M
<b>Dallas Street Outfall Basin – Land</b>	\$10.0M
Will Ruth Pond	\$26.6M
<b>Dam No. 2 (Morehead) Improvements</b>	\$ 420k
<b>Dam 4 Upgrade – (Memphis Dam)</b>	\$ 912k
Arroyo 1A Dam – Detention Improvements	\$ 7.3M
Humane Society Ponding Area	\$ 763k
<b>Dam 8 Upgrade (Murchison Dam)</b>	\$ 1.1M
Dam 6 Upgrade (Scenic Dam)	\$ 1.0M
Dam 7 Upgrade (Tremont St)	\$ 1.4M
<b>*Northeast Flow Path 15 – Alcan Pond</b>	\$23.9M
<b>SAC 2 Detention Basin</b>	\$10.5M

Projects in **bold** text require land acquisition

Project	Estimated Cost
Sunmount Channel Expansion – EA2	\$ 1.4M
Coates Dam Spillway	\$ 696k
<b>Dam 10 Improvements (Cliff Dam)</b>	\$ 810k
Clardy Fox Pump Station Improvements	\$ 6.0M
City of El Paso CDB Paving Projects	\$ 6.8M
Stormwater and Development of Natural Open Space	\$ 5.7M
Coors Channel Improvements	\$ 2.8M
Stevens Street Alley Conduit Improvements	\$ 627k
Grissom and Hunt Corrugated Metal Pipe Replacement	\$ 1.1M
Other East El Paso Drainage Systems	\$27.9M
Old Spanish Trail Spillway Structural Repairs	\$ 974k

Starred (\*) projects continue throughout years 6-10



# 5-Year CIP Continued

Project	Estimated Cost
*Corrugated Metal Pipe (CMP) Replacement Program	\$ 8.6M
Lorne Channel Improvements	\$ 4.3M
Tobin Drain at Northgate Development	\$ 2.7M
Other East El Paso Drainage Systems	\$17.0M
Government Hills 90-in Conduit	\$ 3.6M
St. Mark Drainage System	\$ 1.8M
Fort Bliss Diversion Access Boxes	\$ 2.6M
Keystone Conduit Lining	\$14.8M
Carolina Drive CMP Rehabilitation	\$ 1.5M
*Channel Improvements with El Paso County Water Improvement District	\$ 2.0M
*Monsoonal Emerging Projects	\$25.1M
<b>Citywide Land Acquisition</b>	\$11.7M
<b>Montoya Drain Wetlands</b>	\$12.5M
Northgate Diversion Channel Improvements	\$ 6.0M

# CIP 10-Year Plan (years 6-10)

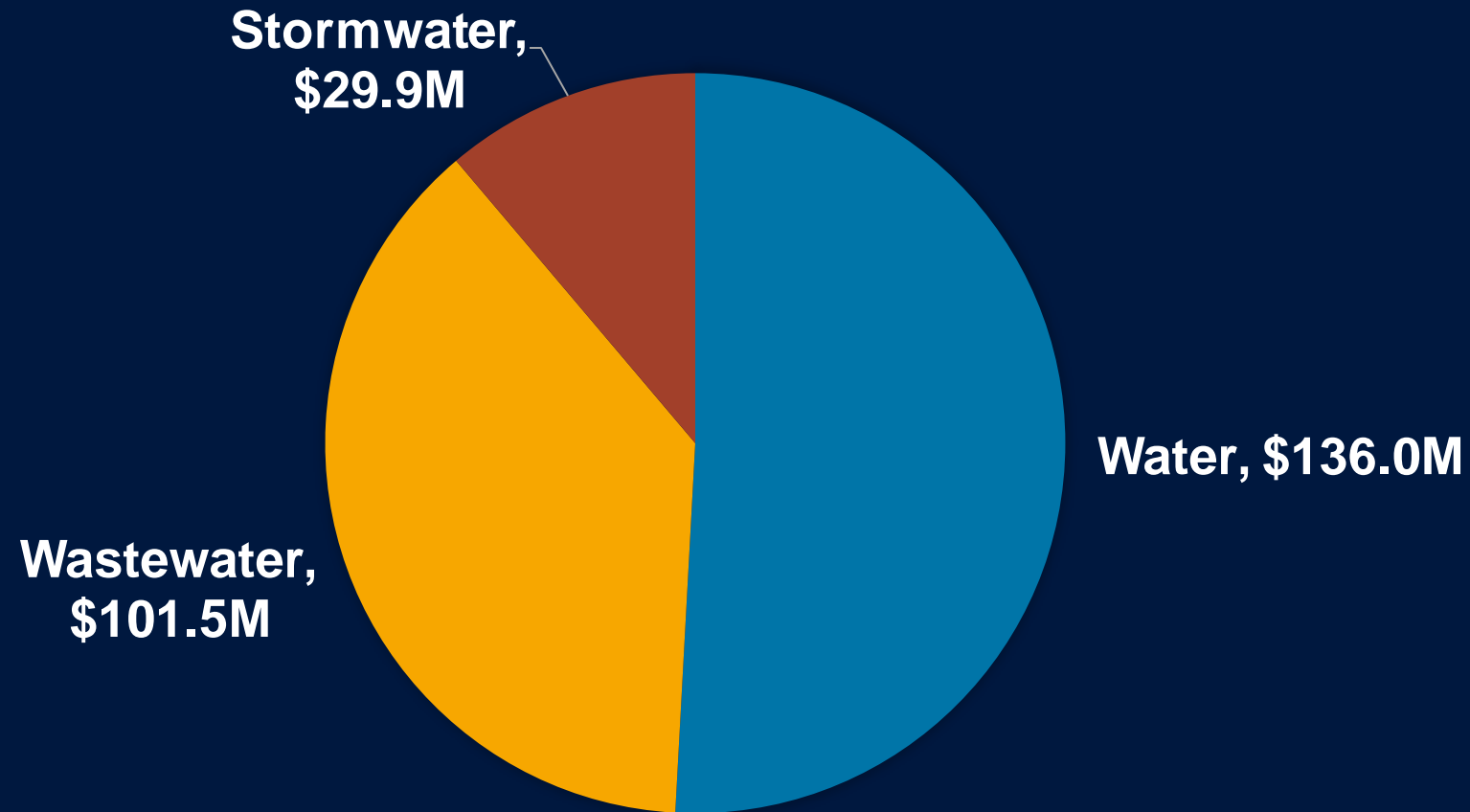
Project	Estimated Cost
<b>Americas Ten Watershed Improvements</b>	\$4.4M
Album Park Area Drainage Improvements	\$3.8M
SAC 1 Detention Basin	\$2.0M
Montview PS and Basin Improvements	\$3.6M
<b>Cypress Pump Station by River</b>	\$9.2M
Railroad Dr. Upstream Crossings	\$1.7M
Various Localized Flooding Projects	\$229K

Projects in **bold** text require land acquisition



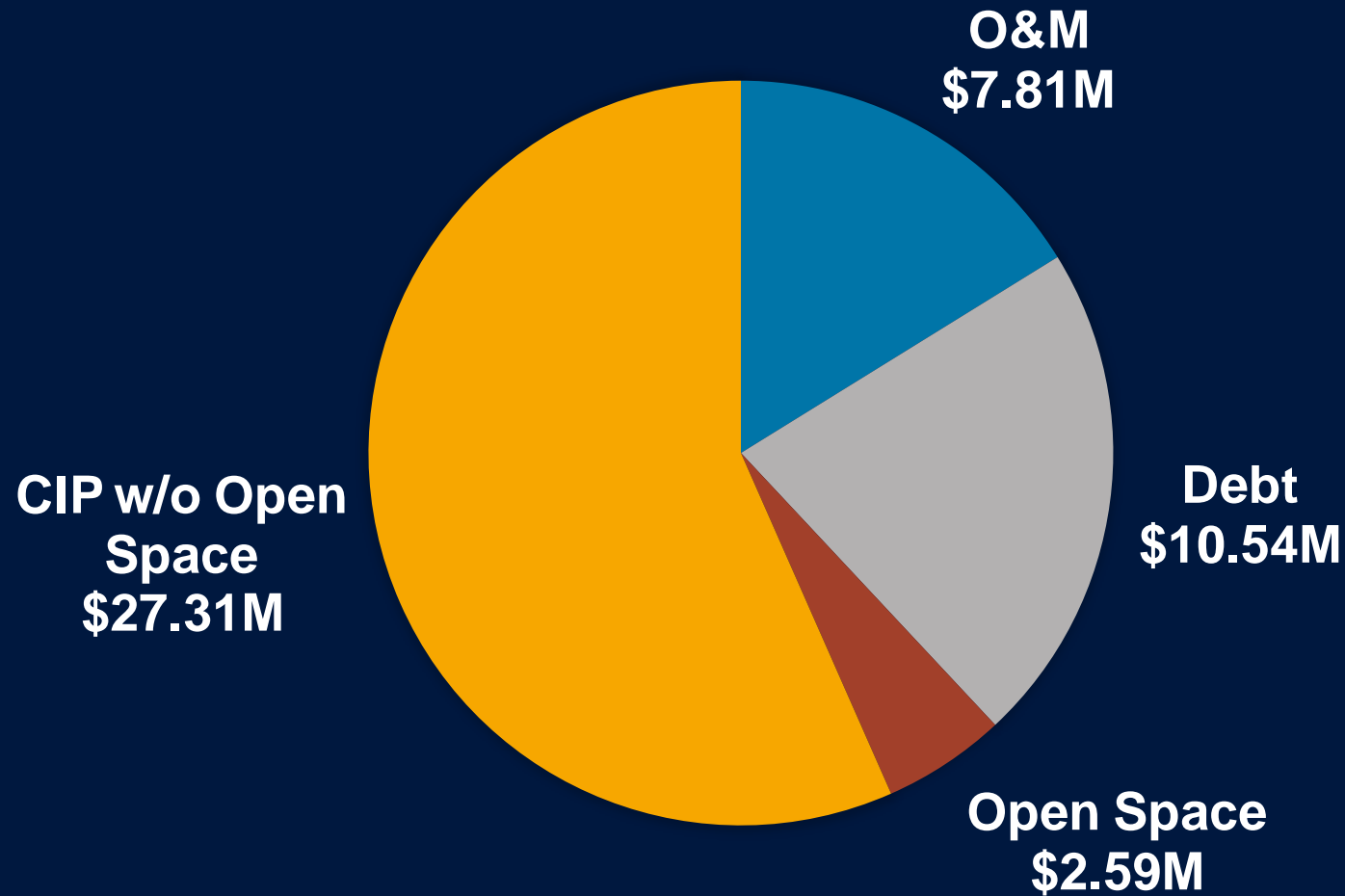
# Total CIP Water, Wastewater, Stormwater

## Approved Budget FY 21/22



# Stormwater Budget Distribution

## Stormwater Funds Layout



# U.S. Army Corps of Engineers Partnership

- 3-year, \$3 million feasibility study of Central watershed to assess condition of 10 dams and other structures and present alternatives for improved flood control.
- Design and construction of chosen option is then positioned to be funded by the Corps at the 65% level (35% match) with congressional approval.







# Stormwater Fee

# Rates and Fees for Residential Properties

Size	Area	Monthly Charge
Small	1-1,200 sq. ft.	\$2.26
Typical	1,201-3,000 sq. ft.	\$4.51
Large	3,001 sq. ft. +	\$9.02

# Rates and Fees for Non-Residential Properties

Type	Area	Monthly Charge
All	Each 2,000 sq. ft. Impervious Area	\$4.60
Commercial	Fast Food Restaurant (11,123 sq. ft. approx. ¼ acre)	\$24.14
Commercial	Car Dealership (176,068 sq. ft. approx. 4 acres)	\$382.07



# Stormwater Utility Responsibility (per SW Utility Ordinance #016668)

- **Reviewing and evaluating projects** and determining whether new projects need to be added and to adjust priorities. The priority projects are incorporated into the capital improvement program, where new infrastructure like dams, ponds, and channels are built with stormwater funds.
- **Improve public safety** with flood control efforts. This can include installation of pipelines and pump stations, drainage improvements, stormwater runoff channels, and multiple ponds.
- **Regularly scheduling maintenance** to ensure that personnel and equipment are used efficiently, and facilities are kept in working order. Stormwater crews remove trash, vegetation, debris and silt from facilities to keep stormwater flowing.

# Stormwater Utility: Responsibility

## Stormwater Utility:

- Plans
- Maintains
- Rehabilitates
- Prevents

**However, the stormwater utility can only ensure, not insure.**

What is outside the realm of responsibility to the utility cannot be executed. The stormwater utility works tirelessly to ensure public and private properties are removed from the flood zones to prevent damages. However, the utility cannot insure any damages not caused by the utility.

# Stormwater Utility: Responsibility



## Stormwater Management

- Responsible for proper operation and maintenance of stormwater system
- Stormwater is tasked with promptly addressing customer service requests



## Design and Development Services

- Design, coordinate, manage in-house stormwater engineering projects & studies
- Coordinate and review drawings from various agencies
- Maintain record drawings and provide technical comments for new developments
- Develop and maintain technical design criteria, procedures, and drawing standards for preparation of construction documents



## Project Administration

- Negotiate, administer and manage all consulting contracts for planning, pre-design, design, and construction of stormwater CIP
- Provide engineering and technical support to stormwater operations
- Oversee adherence to division policies, city, state and federal regulations; assist in formulating, maintaining, and executing EPWater's stormwater master plan



# Stormwater Utility: Responsibility



## Code Compliance

- Enforcement of prohibited discharges into stormwater system
- Conduct scheduled and non-scheduled inspections
- Receive complaints on illegal dumping and discharges and enforce compliance
- Emergency response on spills for impact to storm system



## Open Space

- Considering the use of open space as natural drainage and the extent reasonably possible preserve the City's open spaces, greenways, arroyos and wilderness areas in their natural state, when developing the stormwater master plan

# What Flood Insurance Covers

In the event of a flood, your National Flood Insurance Program (NFIP) policy covers direct physical losses to your structure and belongings. The NFIP offers two types of coverage – building coverage and contents coverage.

## **Building coverage protects your:**

- Electrical and plumbing systems
- Furnaces and water heaters
- Refrigerators, cooking stoves, and built-in appliances like dishwashers
- Permanently installed carpeting
- Permanently installed cabinets, paneling, and bookcases
- Window blinds
- Foundation walls, anchorage systems, and staircases
- Detached garages
- Fuel tanks, well water tanks and pumps, and solar energy equipment

## **Contents coverage protects your:**

- Personal belongings such as clothing, furniture, and electronic equipment
- Curtains
- Washer and dryer
- Portable and window air conditioners
- Microwave oven
- Carpets not included in building coverage (e.g., carpet installed over wood floors)
- Valuable items such as original artwork and furs (up to \$2,500)



# Questions?





# Stormwater Update FY 2020 – 2021 (COVID Year)

September 27, 2021

# Historic Data

<b>Average rainfall August 2006</b>	<b>6.85"</b>
Rainfall recorded August 1, 2006	2.84"
Average annual precipitation - (averaged over a 30 yr period; 1991-2020) (NWS / NOAA)	8.8"
Cumulative annual rainfall 2020 (NWS / NOAA)	5.84"
Max Daily Rain 2020 - CoCoRaHs	1.85"
Rainfall from July – September 2020 (NWS / NOAA)	2.11" Cumulative

# Rainfall Data (CoCoRaHs)

Location / Date	Maximum Recorded Rainfall
Mission (03/04/20)	1.01"
East (07/25/20)	1.50"
Central (03/04/20)	1.02"
Northeast (03/04/20)	1.75"
West (03/04/20)	1.85"

















# FY 2020-2021 Stormwater

## Operations Report

# Stormwater Operations

- USACE inspections
- Clearing of inlets
- Cleaning of drains and channels
- Cleaning of ponding areas
- Weed control
- Erosion control
- Service requests
- Vector units
- Sandbag distribution
- Mosquito control

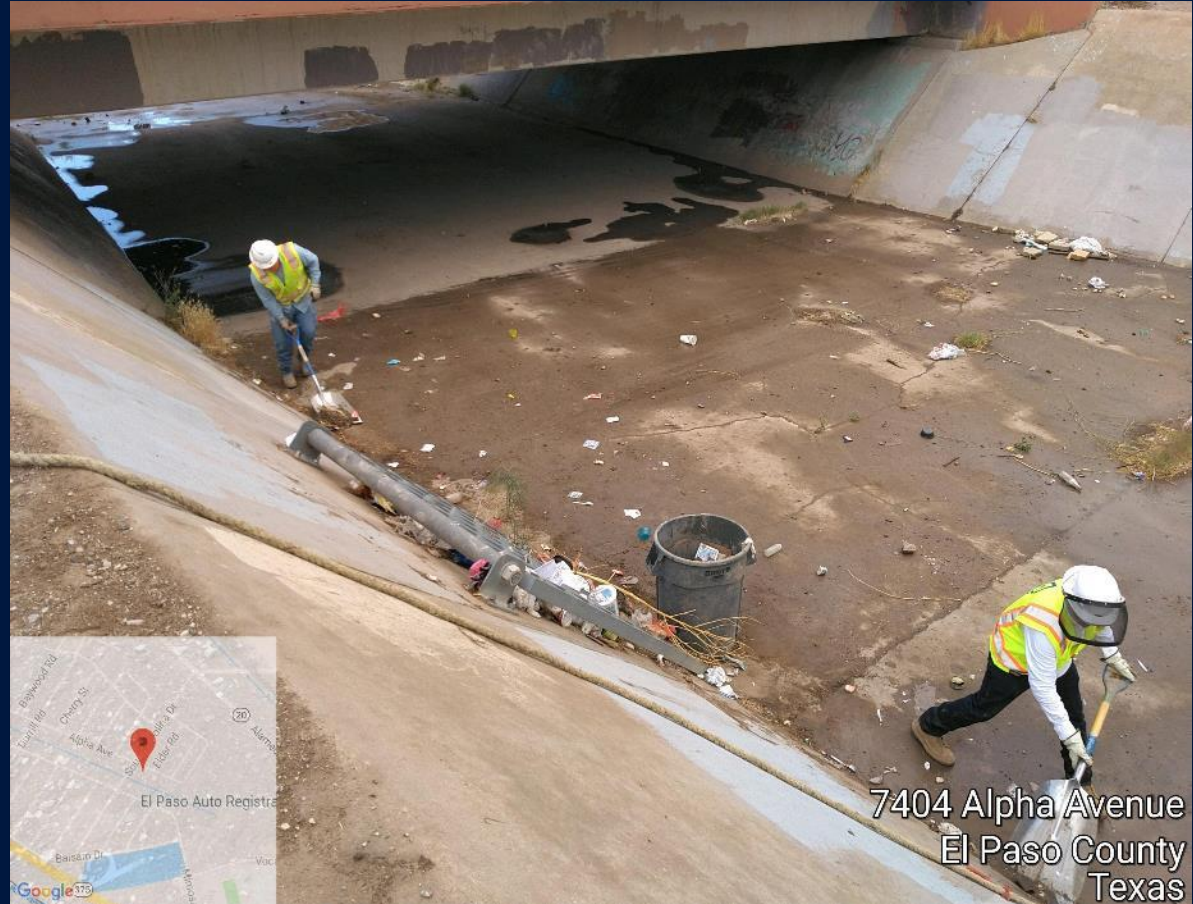
# Stormwater Operations

	 <b>Ponds</b>	<b>433.82 acres maintained</b>
	 <b>Channels &amp; Levees</b>	<b>44.38 miles cleaned</b>
	 <b>Agricultural Dams</b>	<b>3.27 miles maintained</b>
	 <b>Storm Drains</b>	<b>2.05 miles of conduits cleaned</b>
	 <b>Inlets</b>	<b>206 inlets cleaned</b>
	 <b>Dams</b>	<b>427.84 acres maintained</b>



# Stormwater Operations

## Channel Cleaning

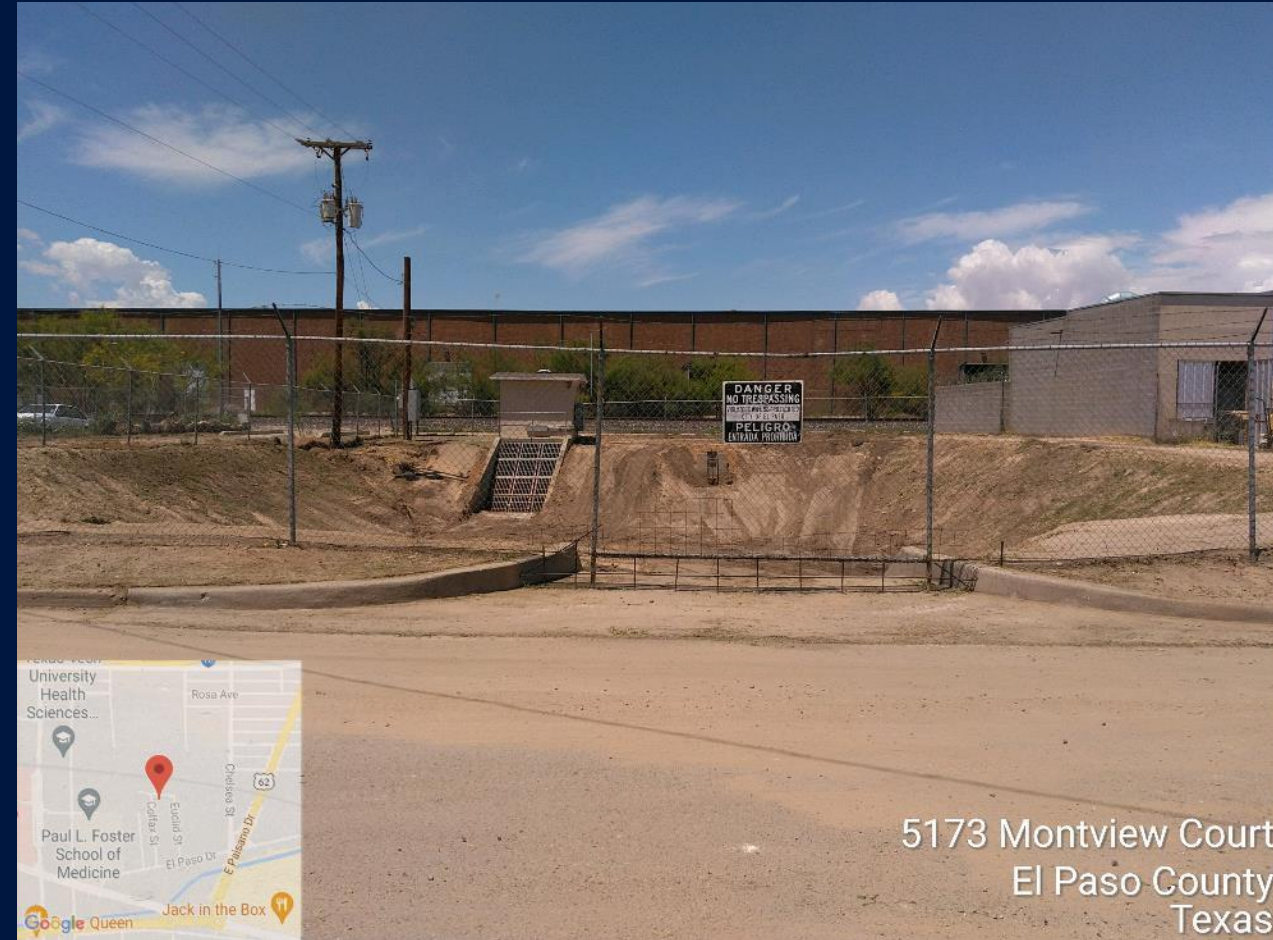
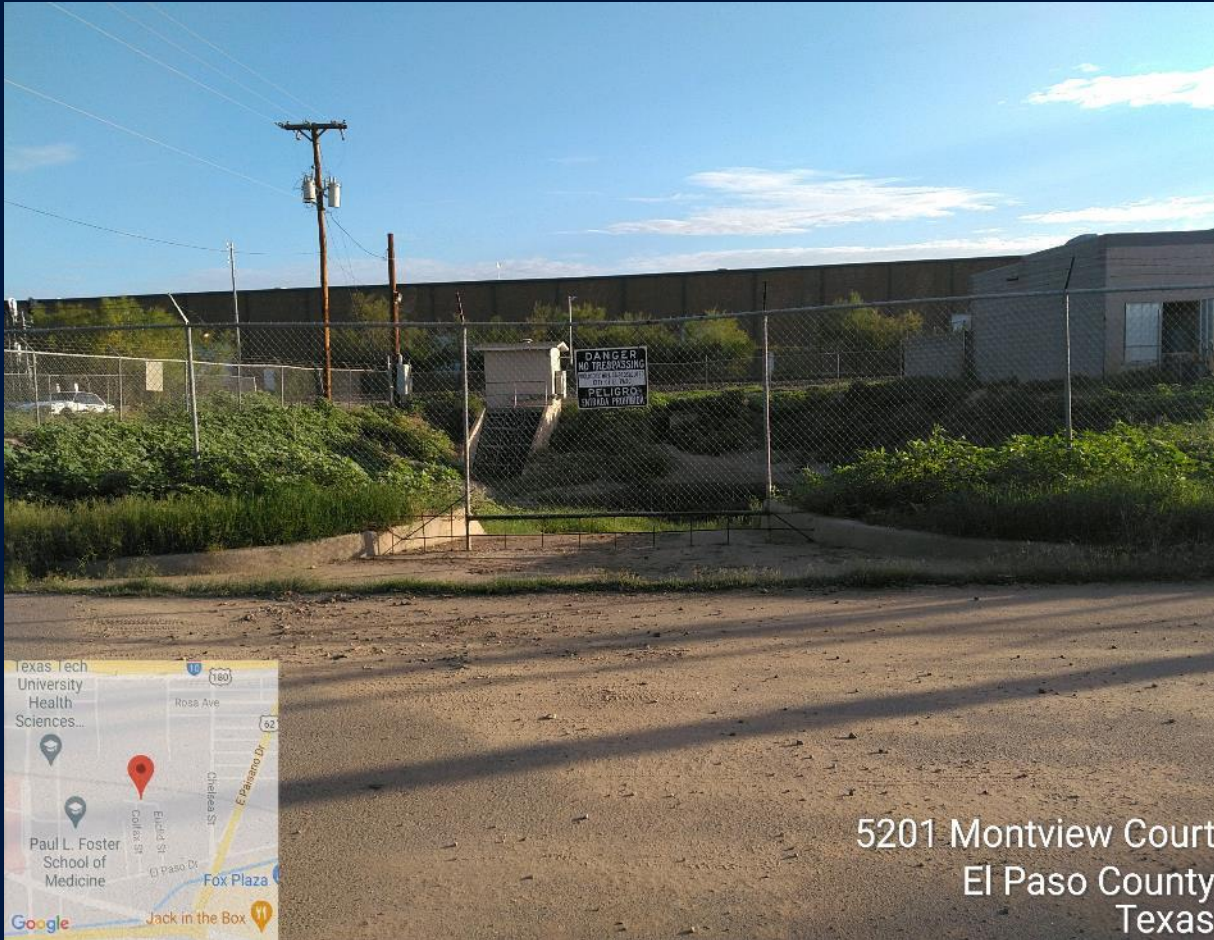


7404 Alpha Avenue  
El Paso County  
Texas



# Stormwater Operations

## Pond Cleaning





# Stormwater Operations

## Vactor Cleaning







# FY 2020-2021 Stormwater

## Accomplishments

# Certified 14-miles of Levee

Benefit to 15,000 properties





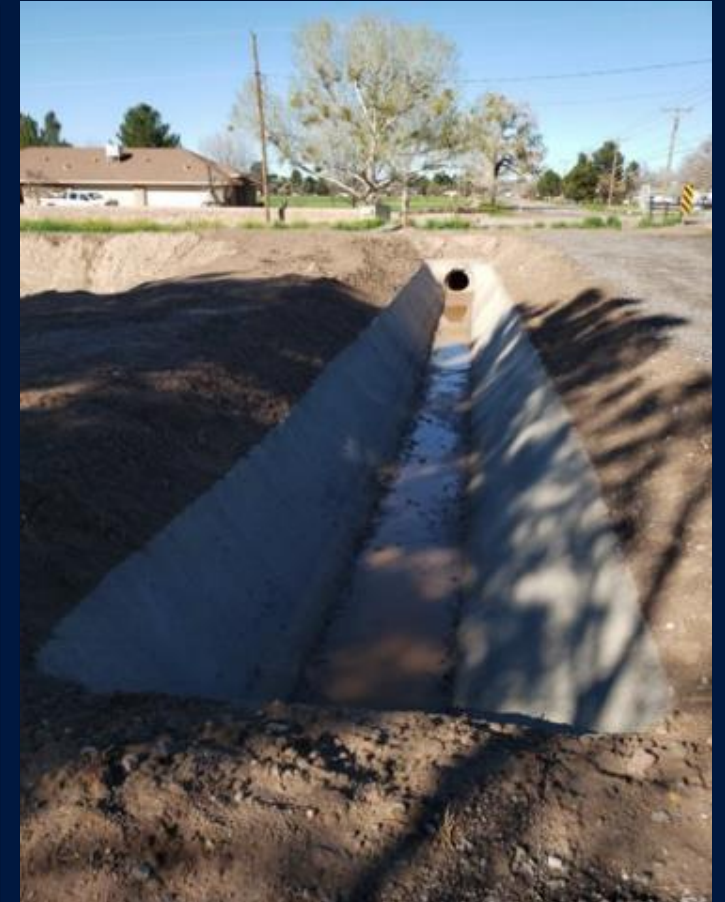
# El Paso County Water Improvement District #1

## Borderland Drain above Gomez Street

Before



After





# El Paso County Water Improvement District #1

## Montoya Drain between Redd Road and Mulberry





# FY 2020-2021 Stormwater

Projects Completed

# Projects Completed

Project	Construction Cost
Scenic Drive and Lebanon Ave. Pipe Rehabilitation	\$111K
Thomas Manor Park Pond and Pump Station Improvements	\$6M



# Scenic and Lebanon Pipe Rehabilitation



# Thomas Manor Park-Pond, Pump Station and Drainage Improvements

Thomas Manor Park Pond Improvements



Thomas Manor Park Pond Improvements



Successful collaboration with YISD and CoEP Parks and Recreation Department





# Stormwater

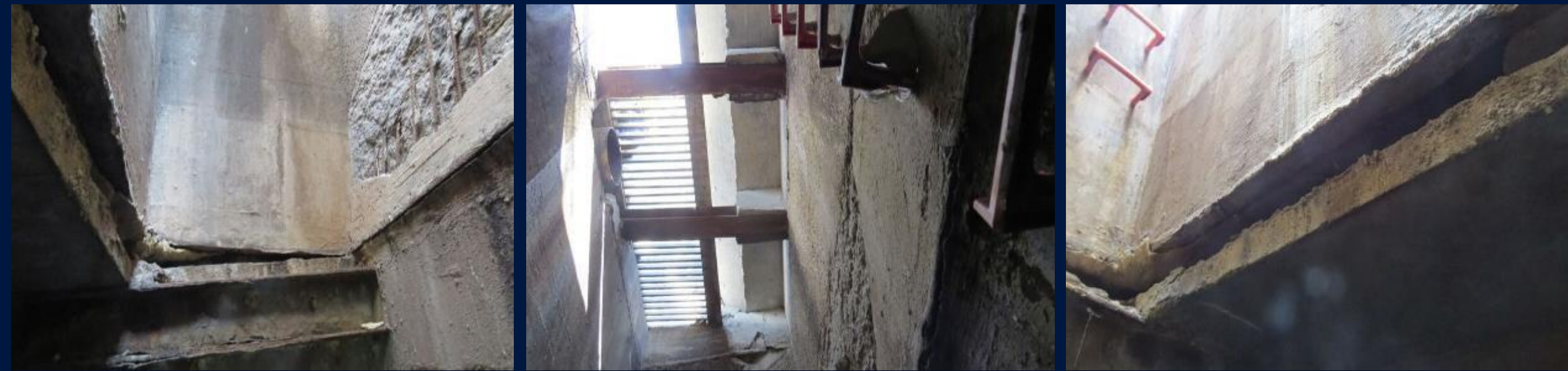
Projects Under Construction



# Project Under Construction

Project	Construction Cost
Doniphan and Frontera Junction Box Rehabilitation	\$3.8M
San Lorenzo Avenue CMP Replacement and Wastewater Improvements	\$992K
Flow Path 20 at Mesa Park Channel Stabilization	\$738K
Sam Snead Storm Drain Improvements	\$6.3M
White Spur Crossing Improvements / Riverbend Phase 3	\$226K

# Doniphan and Frontera Junction Box



# Doniphan and Frontera Junction Box



Now complete



# San Lorenzo Pipe Replacement and Wastewater Improvements



Now complete



# Flow Path 20 at Mesa Park





# Sam Snead Drive





# White Spur Crossing Improvements



Built by City with funds provided by EPWater.

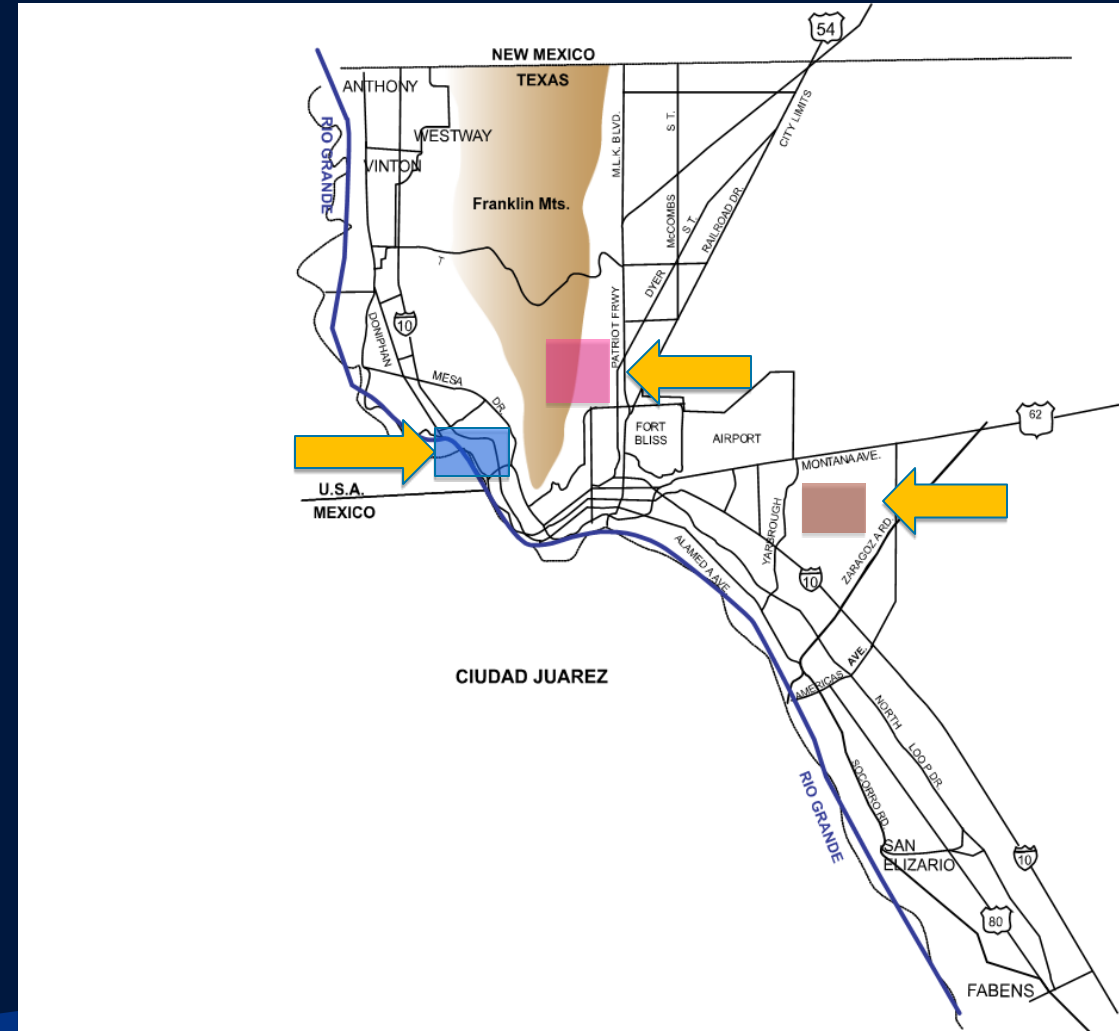


# Upcoming Projects (Construction)

# Upcoming Construction Projects

## Central, Northeast, Central and Mission Valley

- Central - Stevens Alley
- Northeast – Old Spanish Trail
- Central – Coors Channel
- West Central – Mesa and Brentwood
- Mission Valley – San Lorenzo
- Mission Valley – Playa Drain at Yarbrough (with City)





# Upcoming Projects (Construction)

## Stevens Alley Conduit Installation



# Old Spanish Trail Spillway Structural Repairs





# Coors Channel Improvements



Redesign in process



# Mesa and Brentwood Drainage Improvements





# San Lorenzo Drainage Improvements





# San Lorenzo Drainage Improvements





# Projects Under Construction

## Playa Drain Crossing at Yarbrough Drive





# Upcoming Projects (Design)

# Upcoming Projects (Design)

- Corrugated Metal Pipe (CMP) Replacement Program – Various
- Bywood / Eads Drive Drainage Improvements
- Fort Bliss Diversion Access Boxes
- Montview Pump Station and Basin Improvements





# Open Space Acquisitions

# Open Space Financial Report through February 28, 2021

<b>Open Space Funding Inception through 02/28/2021</b>	<b>\$24,697,262</b>
<b>(less) Total Open Space Expenses from Inception</b>	<b>(\$20,360,940)</b>
<b>Available Balance for Open Space Projects as of 02/28/2021</b>	<b>\$ 4,336,322</b>

# Open Space Acquisitions through February 28, 2021

- Palisades
- Wildwood Arroyo
- Avispa Canyon – Conservation Easement
- Asarco (Spring Crest)
- Upper Coronado (Cloudview)
- Silver Springs
- Playa Drain
- Lower Coronado Canyon
- Hunt Arroyo 1
- Knapp
- Palisades Entrance
- Canterbury Arroyo
- Lost Dog



# Pending Open Space Acquisitions

- Hunt Arroyo 1A
- Cement Lake
- Avispa Canyon
- Canterbury
- Northeast Land West of Martin Luther King, Jr. Blvd.

# Stormwater Rates

- No increase FY 20-21
- Financial Implications
  - Impact fee for water and wastewater only – does not apply to stormwater needs

# In Progress

- DDM – working with City, Planning & Permits Department on making clarifications
- Supporting City Floodplain Administrator and working with FEMA and on updating the Special Flood Hazard Area (SFHA)
  - Held 3 virtual meetings to notify public of upcoming changes to the SFHA
  - Performing review of FEMA's SFHA for appeal of maps
- Assisting County of El Paso on updates to interior drainage
- Pilot testing of 3 rain gauges with SCADA capabilities
- Working with U.S. Army Corps of Engineers on jurisdictional determinations of Water of the U.S.
- Perform 300+ subdivision review submittals
- Will Ruth Project to remove properties from special flood hazard area (SFHA)





# Stormwater Update FY 2020-2021

Questions / Comments



Legislation Text

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File #: 21-1143, Version: 1

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**CITY OF EL PASO, TEXAS**  
**LEGISTAR AGENDA ITEM SUMMARY FORM**

**DISTRICT, DEPARTMENT, CONTACT INFORMATION:**

*Please choose District and Department from drop down menu. Please post exactly as example below.*

*No Title's, No emails. Please use ARIAL 10 Font.*

**All Districts**

Members of the City Council, Representative Cissy Lizarraga, (915) 212-0008

Members of the City Council, Representative Peter Svarzbein, (915) 212-0001

Members of the City Council, Representative Cassandra Hernandez, (915) 212-0003

**AGENDA LANGUAGE:**

*This is the language that will be posted to the agenda. Please use ARIAL 11 Font.*

Presentation and discussion by El Paso Water regarding the utility's efforts to repair the Frontera Wastewater Force Main, which is located in the Upper Valley area and was damaged during recent storms, and the steps that they have taken to protect the public while the work is ongoing.

**CITY OF EL PASO, TEXAS  
AGENDA ITEM  
AGENDA SUMMARY FORM**

**DEPARTMENT:** Mayor and Council

**AGENDA DATE:** 09/27/2021 (Work Session Agenda)

**CONTACT PERSON NAME AND PHONE NUMBER:**

Rep. Cissy Lizarraga, 915-212-0008

**Co-sponsors:**

Rep. Peter Svarzbein, 915-212-0001

Rep. Cassandra Hernandez, 915-212-0003

**DISTRICT(S) AFFECTED:** All

**STRATEGIC GOAL:**

Goal 5 - Promote Transparent and Consistent Communication Amongst All Members of the Community

Goal 7 - Enhance and Sustain El Paso's Infrastructure Network

Goal 8 - Nurture and Promote a Healthy, Sustainable Community

**SUBJECT:**

**APPROVE a resolution / ordinance / lease to do what? OR AUTHORIZE the City Manager to do what? Be descriptive of what we want Council to approve. Include \$ amount if applicable.**

Presentation and discussion by El Paso Water regarding the utility's efforts to repair the Frontera Wastewater Force Main, which is located in the Upper Valley area and was damaged during recent storms, and the steps that they have taken to protect the public while the work is ongoing.

**BACKGROUND / DISCUSSION:**

**Discussion of the what, why, where, when, and how to enable Council to have reasonably complete description of the contemplated action. This should include attachment of bid tabulation, or ordinance or resolution if appropriate. What are the benefits to the City of this action? What are the citizen concerns?**

EPWU is currently conducting emergency work to repair the Frontera Wastewater Force Main, which suffered a breach during recent summer storms. EPWU will update the Council about the history and status of their repair efforts, decision-making, cooperation with TCEQ, etc.

**PRIOR COUNCIL ACTION:**

**Has the Council previously considered this item or a closely related one?**

No, though EPWU regularly presents to Council about a variety of issues, including items about wastewater.

**AMOUNT AND SOURCE OF FUNDING:**

**How will this item be funded? Has the item been budgeted? If so, identify funding source by account numbers and description of account. Does it require a budget transfer?**

N/A

\*\*\*\*\*

\*\*\*\*\***REQUIRED AUTHORIZATION**\*\*\*\*\*





# Frontera Force Main Update

# Frontera Force Mains: Essential Wastewater Artery

## Background

- These Dual Force Mains collect all wastewater from West El Paso and deliver 10 MGD of flows 3.5 miles to the Hickerson Plant
- Replacement of segments of this force main were budgeted to begin FY20/21 and continue through future fiscal years
- March 2, 2020 a rupture occurred discharging thousands of gallons of wastewater onto the area of Sunland Park between I-10 and Doniphan, which triggered the emergency declaration
- PSB awarded an emergency repairs contract to Oscar Renda Contracting and Jacobs Engineering Group during the March 11, 2020 board meeting
- New pipeline construction is 60% complete

# Frontera Force Mains: Redundant and Reliable Design

## Background

- Unprecedented 100% redundant pipeline and pumping system
- Two pipelines installed; each can carry 100% of the flow
- Two pumps needed for 100% of the flow, four pumps installed
- Redundant active and passive cathodic protection system with testing stations (ground anode beds, rectifiers, electrical insulators)
- Hired contractor to perform annual testing and ensure operation of cathodic protection system

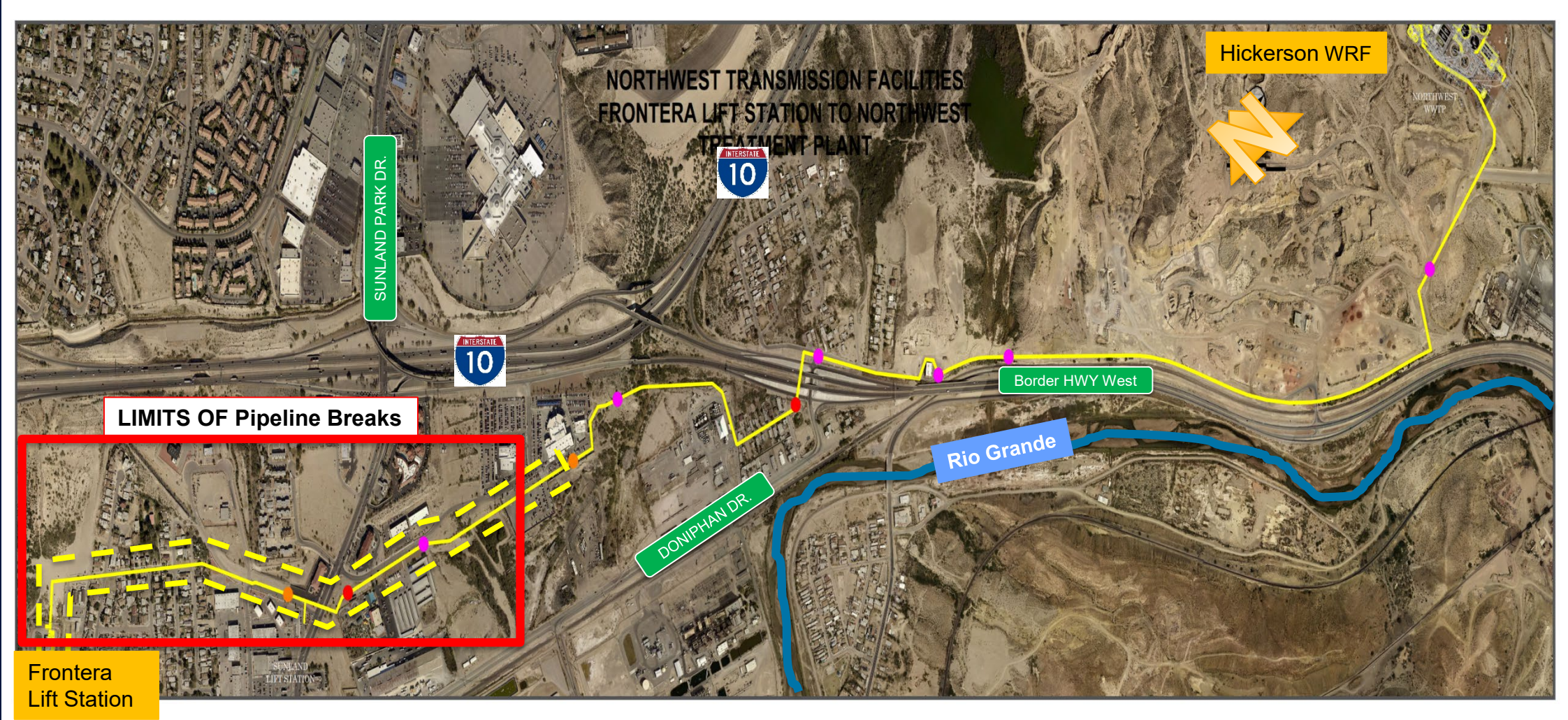


# Frontera Force Mains





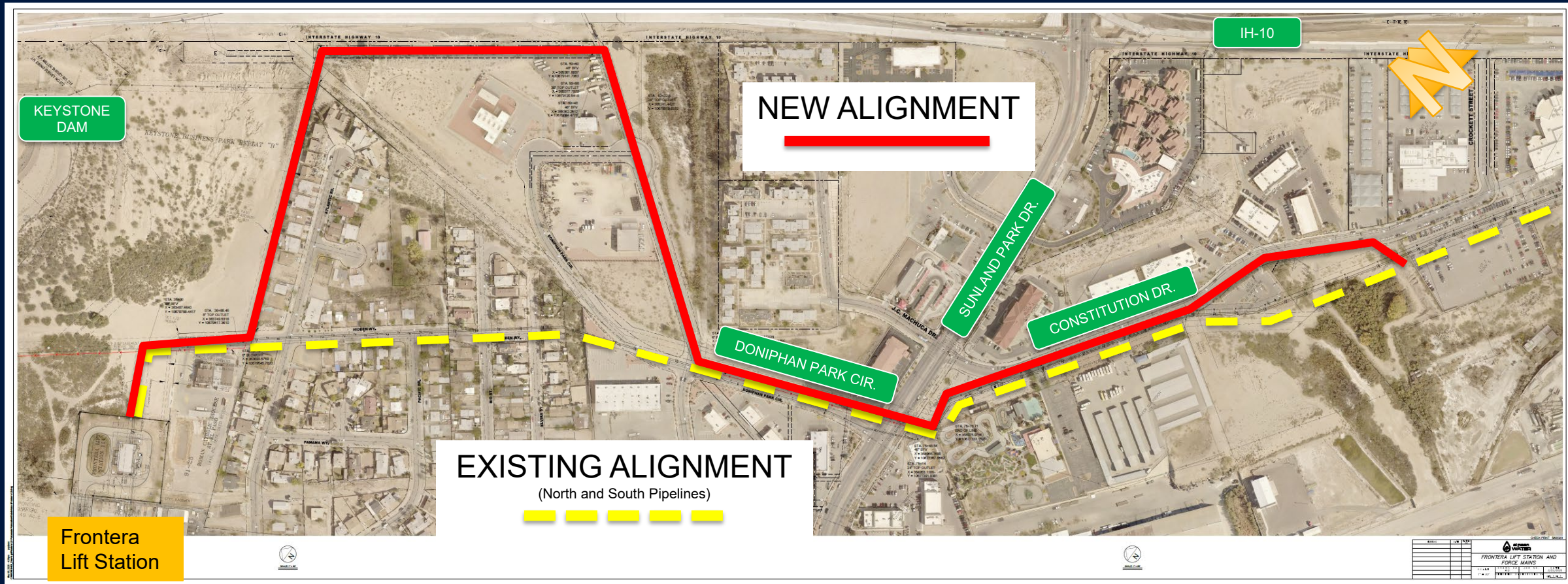
# Frontera Force Mains





# Emergency Repairs to Frontera Force Mains

## Replace 1.2 miles of 36" Force Main



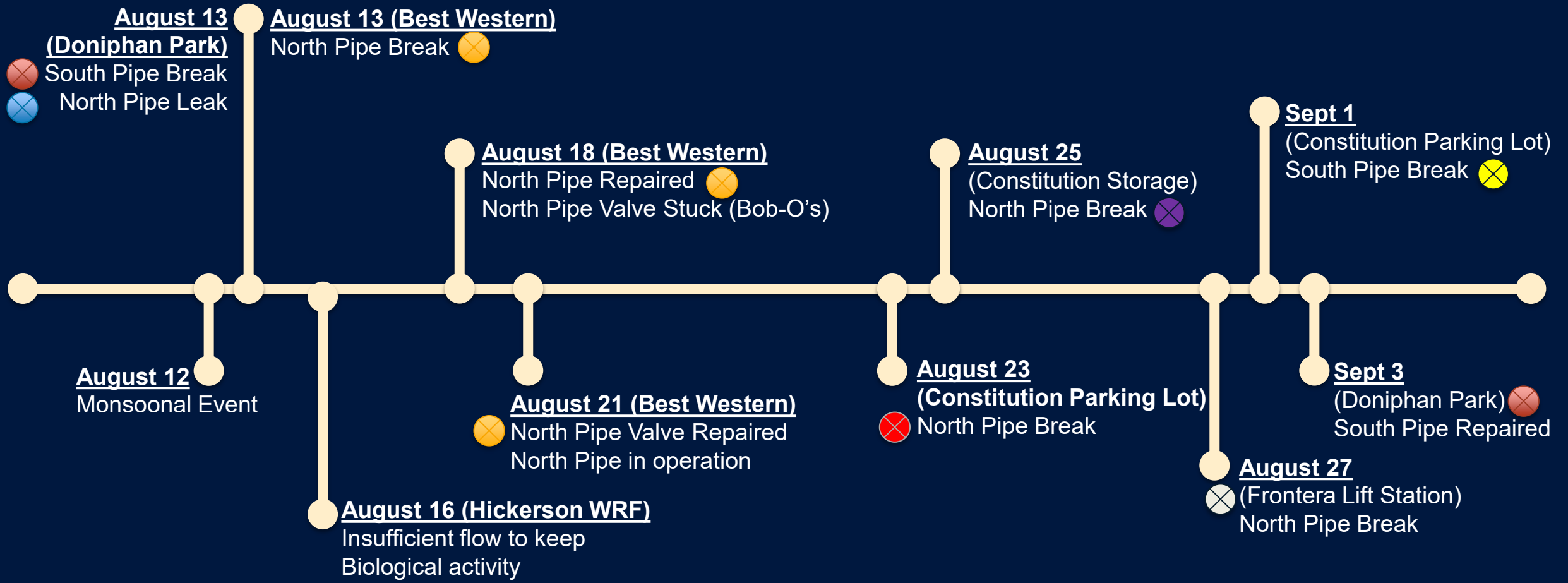


# Frontera Force Mains: Irregular Soil Corrosivity

## Background

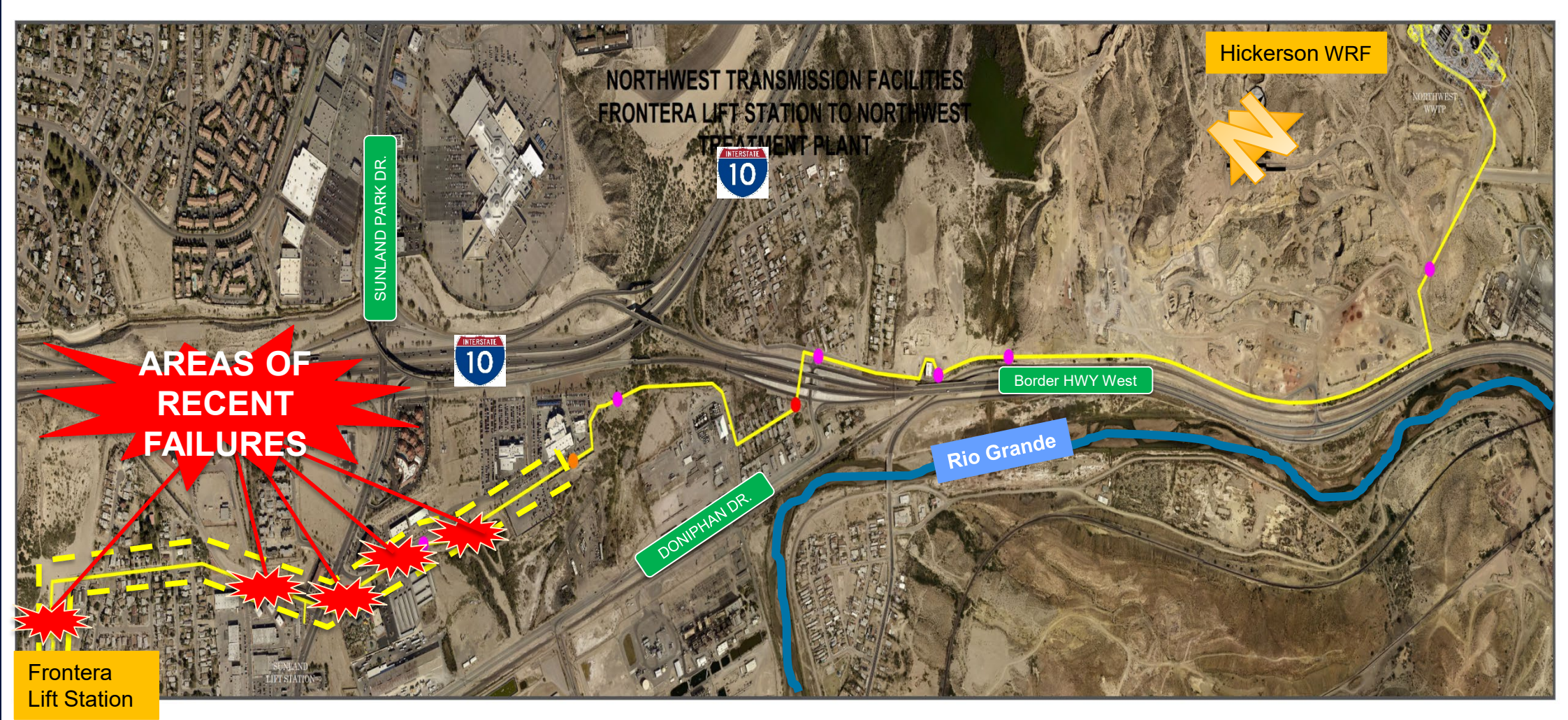
- Soil corrosivity measurements along pipeline alignment rated from moderately corrosive to very corrosive.
- Long segments rated soils as extremely corrosive
- Pipeline segments installed in ROW, experienced corrosion attacks from nearby utilities

# Frontera Force Mains Pipe Break Summary





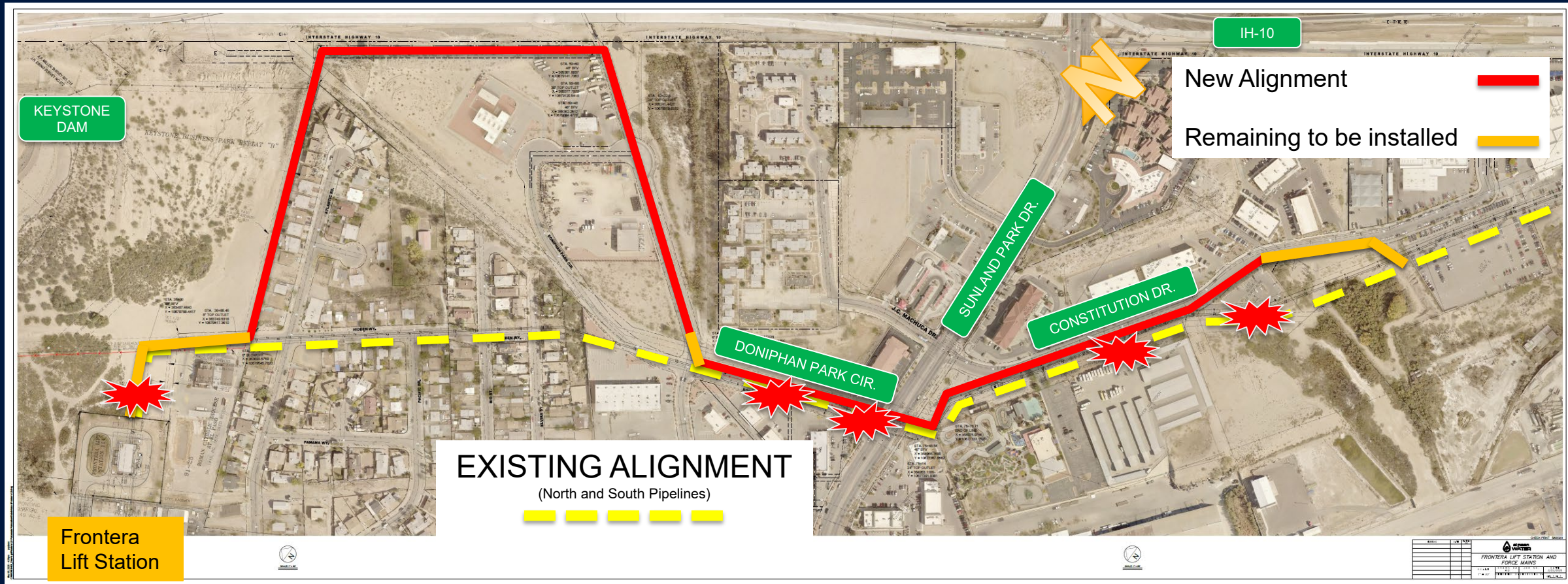
# Frontera Force Mains





# Emergency Repairs to Frontera Force Mains

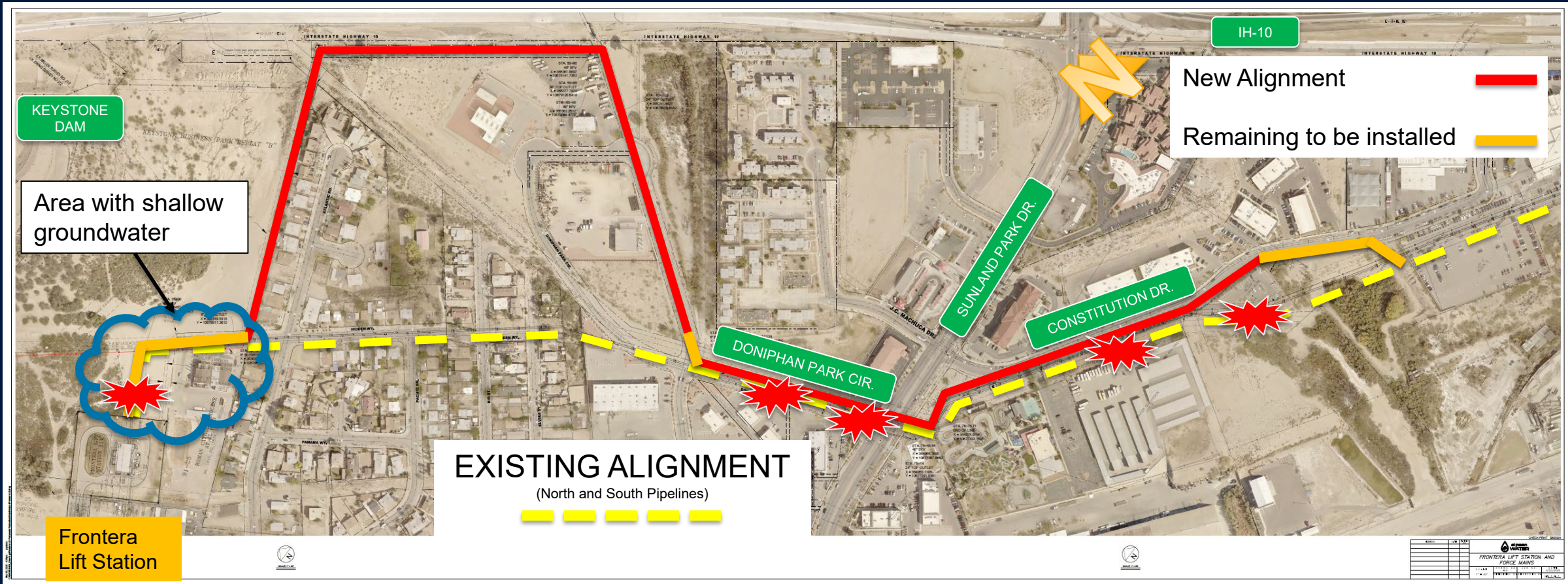
## Replace 1.2 miles of 36" Force Main





# Emergency Repairs to Frontera Force Mains

## Replace 1.2 miles of 36" Force Main



# Pipe Break Summary

South Pipe - REPAIRED	North Pipe - REPAIRED
Doniphan Park Circle	Best Western
South Pipe – NOT REPAIRED	North Pipe – NOT REPAIRED
Constitution Parking Lot <i>Discharge to stormwater system/river</i>	Doniphan Park Circle <i>Discharge to adjacent pond</i>
	Constitution Parking Lot <i>Discharge to stormwater system/river</i>
	Constitution Storage Facility <i>Discharge to stormwater system/river</i>
	Frontera Lift Station <i>Discharge to Keystone Dam Outfall/river</i>



# Plan of Action

## **Continue repair of the south pipe; regain pipeline operation**

- Repair south pipe at constitution parking lot to shift flow to the south pipe
- Abandon north line in place, too many breaks, highly unreliable
- Stop all discharges in the right-of-way

## **Continue installation of new pipeline**

- Pipeline is 60% complete
- By-pass Frontera Lift Station flow into river to allow for connection of the new pipeline to the lift station
- Dewater groundwater table to allow for tie-in connections of new pipeline (15-feet deep)

# Spill Mitigation Plan

## Wastewater Discharge into River

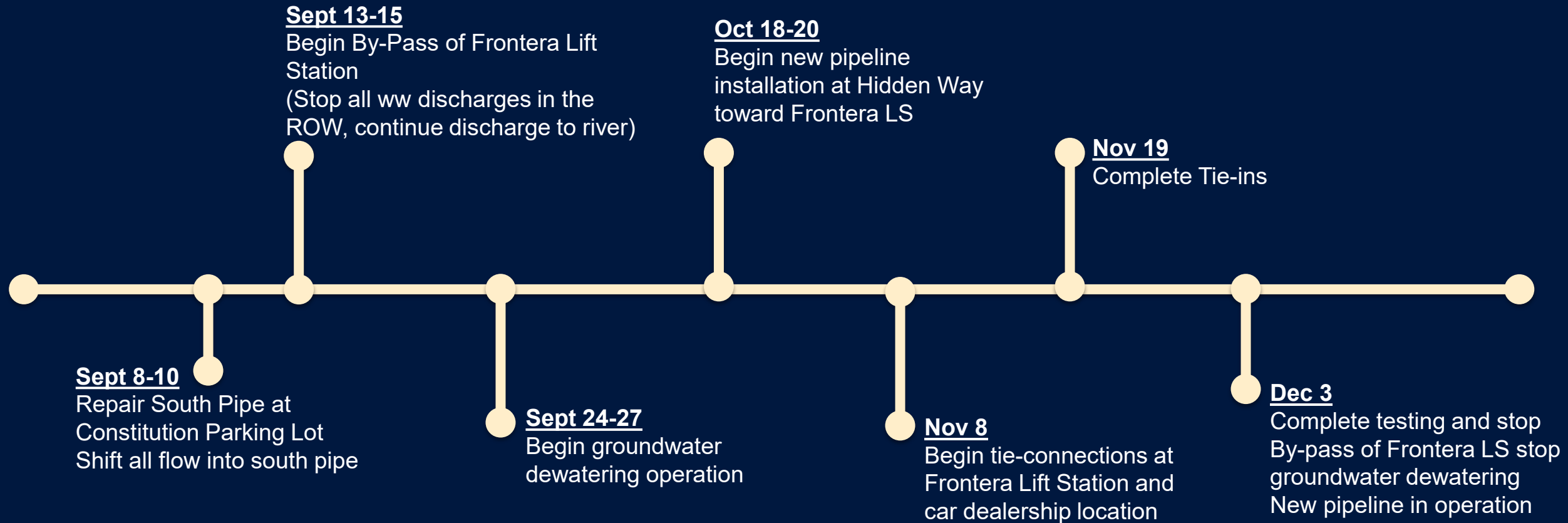
- Lift station by-pass into 96" stormwater pipe.
- Discharge into river at outfall located along Doniphan and Hillside.
- Wastewater/groundwater discharge flow is approximately 6.5 MGD
- Baseflow in river is 12.8 MGD (from Montoya Drain, Haskell WWTP treated water, and other return flows)
- Discharge will continue until new pipeline is complete

## Mitigation Plan

- Coordination with TCEQ, IBWC, Border Patrol, EPCWID#1
- Capture 100% wastewater flow from river and convey to Bustamante WWTP for treatment.

# Frontera Force Main Update

## Plan of Action Milestones



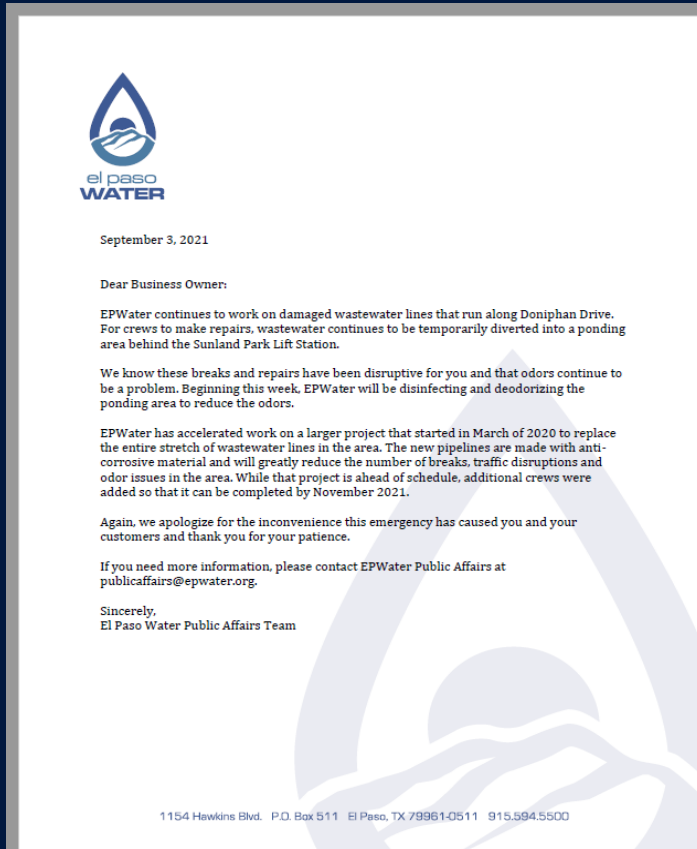


# Regulatory Considerations

- Texas Commission on Environmental Quality is our environmental regulatory oversight agency
- EPWater holds a Texas Pollution Discharge Elimination Permit that prescribes the quality of the water that can be discharged to the Rio Grande
- As required, we immediately notified TCEQ when we began releasing untreated wastewater into the river
- TCEQ inspector has been onsite; we have maintained frequent communication with the agency
- We have followed TCEQ requirements for public notifications
- TCEQ has observed adverse ecosystem impacts from the release to the Rio Grande



# Business and Neighborhood Outreach



- During the initial incident, the backup of the Frontera line caused wastewater to emerge from manholes and even into homes
- EPWater had staff onsite within hours to work with neighbors, arrange for cleaning and disinfection, provide car wash passes
- Doniphan Park businesses have been frustrated with odors; staff has visited them, provided car wash passes and regular updates
- Two hotels have been significantly impacted due to access issues, construction disruptions and odors

# Public and Stakeholder Outreach

- 6 news releases, multiple social media posts to inform the public, created a web page with updates and information
- Conducted 15 media interviews (TV, radio, online, print) resulting in more than 60 media mentions
- John's *On the Water Front* newsletter provided an update on the topic
- Releases shared with PSB, OEM, IBWC, Irrigation District, City Council members, County Judge, others





# Impacts to Reclamation Customers

- With reduced flows to the Hickerson Reclamation facility, it has affected the ability to supply customers with reclaimed water
- EPWater is providing potable water to customers on an interim basis
  - Coronado Country Club
  - Schools
  - Parks
  - Industry

# Our commitment

- Acceleration of replacement line
- Mitigation of impacts
- Transparency with public and stakeholders
- Working with neighbors



El Paso, TX

300 N. Campbell  
El Paso, TX

## Legislation Text

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**File #:** 21-1124, **Version:** 1

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### **CITY OF EL PASO, TEXAS LEGISTAR AGENDA ITEM SUMMARY FORM**

#### **DISTRICT, DEPARTMENT, CONTACT INFORMATION:**

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City Attorney's Office, Karla M. Nieman, (915) 212-0033

City Attorney's Office, Nicole Anchondo, (915) 212-0033

#### **AGENDA LANGUAGE:**

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Claim of Eduardo Holguin Sr., Adzari Ordenez and Sivowim Ware, Matter No. 21-1026-11678 (551.071)





El Paso, TX

300 N. Campbell  
El Paso, TX

## Legislation Text

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**File #:** 21-1126, **Version:** 1

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### **CITY OF EL PASO, TEXAS LEGISTAR AGENDA ITEM SUMMARY FORM**

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City Attorney's Office, Karla M. Nieman, (915) 212-0033

Planning and Inspections, Philip F. Etiwe, (915) 212-1553

#### **AGENDA LANGUAGE:**

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Update on Special Permit No. PZST21-00008. Matter No. 21-1007-2723 (551.071)



Legislation Text

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**File #: 21-1151, Version: 1**

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**CITY OF EL PASO, TEXAS  
LEGISTAR AGENDA ITEM SUMMARY FORM**

**DISTRICT, DEPARTMENT, CONTACT INFORMATION:**

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City Attorney's Office, Karla M. Nieman, (915) 212-0033

City Attorney's Office, Manuel Arambula, (915) 212-0033

**AGENDA LANGUAGE:**

*This is the language that will be posted to the agenda. Please use ARIAL 11 Font.*

Update on Application of El Paso Electric Company to Change Rates, Public Utility Commission of Texas  
Docket No. 52195, Matter No. 21-1008-174 (551.071)



El Paso, TX

300 N. Campbell  
El Paso, TX

## Legislation Text

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**File #:** 21-1132, **Version:** 1

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### **CITY OF EL PASO, TEXAS LEGISTAR AGENDA ITEM SUMMARY FORM**

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*No Title's, No emails. Please use ARIAL 10 Font.*

City Attorney's Office, Karla M. Nieman, (915) 212-0033

Capital Improvement, Samuel Rodriguez, (915) 212-0065

#### **AGENDA LANGUAGE:**

*This is the language that will be posted to the agenda. Please use ARIAL 11 Font.*

Discussion regarding the purchase, lease, exchange of real property located in central El Paso, Texas. Matter No. 21-1004-1257 (551.072)