

Sabine Regional Flood Planning Group Meeting
Sabine River Authority Main Office, Orange TX
March 20, 2023
9:00 AM

NOTE: This meeting will be conducted in person and via Zoom

<https://zoom.us/j/6418597377?pwd=a2svTVhpbzJML1h3M3Y3SXVHaWV5QT09>

Location: Meeting will be held at the Sabine River Authority of Texas, Main Office, Hwy 87 N, Orange, TX 77632.

If you wish to provide written comments prior to or after the meeting, please email your comments to comments@sabine-rfpg.org and include "Region 4. Sabine River Flood Planning Group Meeting" in the subject line of the email.

This meeting is a public meeting under Chapter 551 of the Texas Government Code.

If you choose to participate in the meeting using the conference call number below, please be prepared to identify yourself. So, we can record your attendance. Telephone conference call phone number:

Phone Number:	+1 346 248 7799
Meeting Number:	641 859 7377
Access Code:	857302.

Additional information may be obtained from:

Mark Howard
RMPD Division Manager
Sabine River Authority of Texas
12777 Hwy 87 N.
Orange, Texas 77632
(409) 746-2192
mhoward@sratx.org.

Sabine RFPG meeting

Sabine River Authority, Orange, TX

March 20, 2023 – 9:00 AM

AGENDA

1. Call to Order.

Presenter: Travis Williams, Chair

2. Roll Call.

Presenter: Jeff Rogers, Secretary

3. Receive public comments (public comments limited to 3 minutes per speaker).

Presenter: Travis Williams, Chair

4. Discussion and Approval of minutes from the previous Region 4 Sabine RFPG meeting held on January 17, 2023:

Presenter: Travis Williams, Chair

5. Update from Chair.

Presenter: Travis Williams, Chair

6. Update from the Texas Water Development Board

Presenter: Ryke Moore

7. Region 5. Neches RFPG Report.

Presenter: Don Carona

8. Update from Technical Consultant, Freese and Nichols.

Presenter: Mat Leclair

- Review of comments for Sabine Regional Flood Plan (RFP),
- Changes made to Final Sabine RFP,
- Task 12 Updates

9. Discussion and Potential Action on Sabine Regional Flood Plan.

Presenters: Travis Williams / Mat Leclair

10. Consider date and agenda items for next meeting.

Presenter: Travis Williams Chair

11. Adjourn.

Presenter: Travis Williams, Chair

AGENDA ITEM 1: CALL TO ORDER

PRESENTED BY: TRAVIS WILLIAMS, CHAIR

Chair Travis Williams will call the meeting to order.

Time: _____

RECOMMENDED ACTION

No action required.

AGENDA ITEM 2: ROLL CALL

PRESENTED BY: JEFF ROGERS, SECRETARY

SUPPORTING INFORMATION

<u>Voting Member</u>	<u>Interest Category</u>	<u>Present (V-Virtual, P-Physical)/ Absent () / Alternate Present (*)</u>
James (Bill) Bruce	<i>Agricultural interests</i>	
Johnny Trahan	<i>Counties</i>	
Francis X. Shannon	<i>Electric generating utilities</i>	
Clyde V. "Tad" McKee III	<i>Environmental interests</i>	
Don Carona	<i>Flood districts</i>	
Nikki Davis	<i>Industries</i>	
Alton Bradley	<i>Municipalities</i>	
Michelle Falgout	<i>Public</i>	
Travis Williams	<i>River authorities</i>	
Jeff Rogers	<i>Small business</i>	
Roman D. Griffin	<i>Water districts</i>	
Ross Gordon	<i>Water utilities</i>	

<u>Non-voting Member</u>	<u>Agency</u>	<u>Present (V-Virtual, P-Physical)/ Absent () / Alternate Present (*)</u>
Vacant	General Land Office (GLO)	
Kathy Saucedo	Texas Commission on Environmental Quality (TCEQ)	
Manuel Martinez	Texas Department of Agriculture (TDA)	
Andrea Sanders	Texas Division of Emergency Management (TDEM)	
Robert (Bob) Baker	Texas Parks and Wildlife Department (TPWD)	
Trey Watson	Texas State Soil and Water Conservation Board (TSSWCB)	
Ryke Moore	Texas Water Development Board (TWDB)	

RECOMMENDED ACTION

Number of voting members or alternates present. _____

Seven voting members are required for a quorum.

Quorum is present, Yes, or No?

AGENDA ITEM 3: PUBLIC COMMENTS

PRESENTED BY: TRAVIS WILLIAMS, CHAIR

SUPPORTING INFORMATION

Receive public comments (public comments limited to 3 minutes per speaker)

RECOMMENDED ACTION

No action required.

AGENDA ITEM 4: DISCUSSION AND APPROVAL OF MINUTES

PRESENTED BY: TRAVIS WILLIAMS, CHAIR

SUPPORTING INFORMATION

Discussion and approval of minutes from the January 17, 2023, Region 4, Sabine RFPG meeting.

RECOMMENDED ACTION

Discuss and approve minutes from January 17, 2023.

MOTION: _____ **SECOND:** _____ **APPROVED:** _____

PROJECT: Sabine Regional Flood Planning Group (RFPG)
NAME OF MEETING: Region 4 Sabine RFPG Meeting
RECORDED BY: Mat Leclair, PE, CFM, CPESC
DATE: January 17, 2023; 9:00am
LOCATION: Virtual and In-Person (SRA Office – Orange, TX)

The following reflects our understanding of the items discussed during the subject meeting. If you do not notify us within five working days, we will assume that you are in agreement with our understanding.

Voting Member	Interest Category	Present (x) / Absent () / Alternate Present (*)
James (Bill) Bruce	Agriculture Interests	X
Johnny Trahan	Counties	X
Francis X. Shannon	Electric Generating Utilities	
Clyde V. McKee III	Environmental Interests	X
Don Carona	Flood Districts	X
Nikki Davis	Industries	X
Alton Bradley	Municipalities	X
Michelle Falgout	Public	X
Travis Williams	River Authorities	X
Jeff Rogers	Small Business	X
Roman D. Griffin	Water Districts	X
Ross Gordon	Water Utilities	X

Voting Members: 11

Voting Members Present: 12

Quorum: **Yes**

Non-Voting Member	Interest Category	Present (x) / Absent () / Alternate Present (*)
vacant	General Land Office	
Kathy Saucedo	Texas Commission on Environmental Quality	
Manuel Martinez	Texas Department of Agriculture	X
Andrea Sanders	Texas Division of Emergency Management	
Robert (Bob) Baker	Texas Parks and Wildlife	X
Trey Watson	Texas State Soil and Water Conservation Board	
Ryke Moore	Texas Water Development Board	X

Other Meeting Attendees:

Mat Leclair (FNI)

Cory Stull (FNI)

Mark Howard (SRA)

Doug Manning (OCDD)

Marvin Benoit (City of Orange)

Lisa McCracken (USACE)

James Bronikowski (TWDB)

Agenda Item 1: Call to Order

- Travis Williams called the meeting called to order at 9:00 am.

Agenda Item 2: Roll Call

- Jeff Rogers confirmed quorum with 10 out of 12 voting members.
 - o Nikki Davis joined the meeting after roll was called bringing the total number of voting members to 11.

Agenda Item 3: Welcome, Meeting Facilitation Information, and Instructions

Agenda Item 4: Receive general public comments (public comments limited to 3 minutes per speaker).

- No comments from the public.

Agenda Item 5: Discussion and Approval of minutes from the previous Region 4 Sabine RFPG meeting on December 14, 2022.

- **Johnny Trahan motions to adopt the minutes as presented and James (Bill) Bruce seconds the motion. Motion passes.**

Agenda Item 6: Updates from Chair

- Travis Williams provided a summary of financials to date and noted that everything was paid with 1 outstanding invoice from FNI. Waiting on reimbursement from 2 invoices.
- Travis Williams noted that FNI did submit the Final Plan to TWDB and TWDB provided a receipt as well.

Agenda Item 7: Election of Officers

- Election of Officers:
 - o Nominations for Chair by voting members
 - Johnny Trahan nominated Travis Williams for chair.
 - Discussion and potential action to elect Chair
 - **Johnny Trahan motions for Travis Williams to be the chair of the Sabine RFPG which was seconded by Don Carona. Motion passes unanimously for Travis Williams as the Chair of the Sabine RFPG.**
 - o Nominations for Vice Chair by voting members
 - Don Carona nominated Commissioner Johnny Trahan for vice chair.
 - Discussion and potential action to elect Vice Chair
 - **Don Carona motions for Commissioner Johnny Trahan to be the vice chair of the Sabine RFPG which was seconded by Michelle Falgout. Motion passes unanimously for Johnny Trahan as the Vice Chair of the Sabine RFPG.**

- Nominations for Secretary by voting members
 - Don Carona nominated Jeff Rogers for secretary.
 - Discussion and potential action to elect Secretary
 - **Johnny Trahan motions for Jeff Rogers to be the secretary of the Sabine RFPG which was seconded by Clyde (Tad) McKee. Motion passes unanimously for Jeff Rogers as the Secretary of the Sabine RFPG.**

Agenda Item 8: Election of Executive Committee members-at-large:

- Committee consists of 5 members. Chair, Vice Chair, Secretary, and 2 others.
- **Johnny Trahan motions for Don Carona and James (Bill) Bruce to continue being the 2 members-at-large which was seconded by Jeff Rogers. Motion passes unanimously.**

Agenda Item 9: Updates from Texas Water Development Board

- Ryke Moore notes the following:
 - TWDB did receive the plan submission and TWDB will be reviewing the plans and details. Expect to receive some emails in the coming weeks and months.
 - Submit budget memos for review.
 - TWDB is asking regions to provide absentees from non-voting members so TWDB can reach out to those organizations.
 - Ryke did approve second to last reimbursement request. Ryke will be reviewing the latest invoice this week.

Agenda Item 10: Updates from Region 5, Neches RFPG Report.

- Doug Manning notes they did not have a January meeting. Feb. 23rd is the next scheduled meeting.

Agenda Item 11: Update from Technical Consultant, Freese and Nichols

- Mat Leclair provided an update on the following items:
 - Final RFP Submittal delivered to TWDB in Austin on Tuesday, January 10th as well as delivered online through OneDrive to TWDB
 - FNI presented an update on the Sabine and Neches RFP to the Gulf Coast Protection District (GCPD) last week on Wednesday, January 11th
 - Continuing work on Task 12 model
 - Anticipating existing conditions to be complete by end of January
 - Anticipating OCDD ponds to be modeled/evaluated in February.
 - Reminder: Any new items to be added to the Sabine Amended Plan need to be at FNI by Friday, March 31st.
 - Timeline
 - January
 - Quick updates on Submittal status
 - February
 - Update on Orange County Task 12 Model
 - Existing Conditions
 - Proposed Detention Pond Grading
 - March
 - Update on Orange County Task 12 Model
 - Proposed Detention Analysis
 - Parker Creek Evaluation

- April
 - Proposing new FMXs to RFPG Members
 - May
 - RFPG Votes to approve new FMXs
 - Outlining Changes to RFP for Amended Plan
 - June
 - RFPG Vote on Adoption/Approval
- Don Carona noted the presentation Mat Leclair gave to GCPD in early January was very well received.

Agenda Item 12: Consider date and agenda items for next meeting.

- Travis Williams proposes the next meeting to be held on **Monday, March 20th at 9:00 am.**

Agenda Item 13: Adjourn

- **Johnny Trahan motions to adjourn the meeting and Michelle Falgout seconds the motion. Travis Williams ended the meeting at 9:29 am.**

AGENDA ITEM 5: UPDATE FROM CHAIR.

PRESENTED BY: TRAVIS WILLIAMS, CHAIR

SUPPORTING INFORMATION

Accounting:

Invoice Date	Description	Amount	Balance
4/13/2021	Initial Grant Balance		\$ 947,600.00
9/21/2021	Meeting Room Rental Center Tx	\$ (325.00)	\$ 947,275.00
12/2/2021	FNI Invoice #1 (May 2021-Oct 2021)	\$ (189,476.02)	\$ 757,798.98
2/17/2021	FNI Invoice #2 (Sep 2021-Dec 2021)	\$ (168,886.58)	\$ 588,912.40
2/27/2022	Contract Amendment	\$ 569,600.00	\$ 1,158,512.40
3/28/2022	FNI Invoice #3 (Jan 2022-Feb 2022)	\$ (89,830.95)	\$ 1,068,681.45
9/9/2021	FNI Invoice #4 (Mar 2022-Apl 2022)	\$ (94,528.50)	\$ 974,152.95
10/17/2022	FNI Invoice #5 (May 2022-Jun 2022)	\$ (92,202.20)	\$ 881,950.75
10/17/2022	FNI Invoice #6 (Jul 2022-Aug 2022)	\$ (117,152.46)	\$ 765,123.29
1/3/2023	FNI Invoice #7 (Sep 2022-Nov 2022) *	\$ (159,587.91)	
	Balance		\$ 605,535.38

* Waiting for reimbursement of Invoice #6 from TWDB, to pay Invoice #7.

RECOMMENDED ACTION

No action required.

AGENDA ITEM 6: UPDATE FROM THE TEXAS WATER DEVELOPMENT BOARD.

PRESENTED BY: RYKE MOORE, TWDB

SUPPORTING INFORMATION

RECOMMENDED ACTION

No action required.

AGENDA ITEM 7: REGION 5. NECHES RFPG REPORT.

PRESENTED BY: DON CARONA

SUPPORTING INFORMATION

RECOMMENDED ACTION

No action required.

**AGENDA ITEM 8: UPDATE FROM TECHNICAL
CONSULTANT, FREESE AND NICHOLS.**

PRESENTED BY: MAT LECLAIR

SUPPORTING INFORMATION

- Task 12 modeling
 - detention pond analysis and preliminary results,
- Timeline leading up to the submittal of the amended plan in July.

RECOMMENDED ACTION

No action required.

Regional Flood Plan Updates (December 2022)



- FMX Ranking Criteria
- Task 12 Update
 - OCDD Detention Ponds
 - Kinard Estates
- FMXs to be added
- Timeline to Amended Plan



1



TWDB FMX Ranking Criteria

2

FMX Scoring Criteria

- Email from TWDB on March 2nd soliciting input on FMX Ranking Criteria
- <http://www.twdb.texas.gov/flood/planning/sfp/index.asp>
 - **Deadline for response is April 1st**
 - **Extensions can be granted**
- Webinar on March 22nd at 9:00 am with TWDB regarding the ranking process
- FNI has a focus group representing different RFP Regions.

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Texas Water Development Board

Home Board Financial Assistance Water Planning Groundwater Surface Water Flood Dr

State Flood Planning

In 2019, the Texas Legislature passed Senate Bill 8 directing the creation of the first-ever state flood plan for Texas. Statute requires that all recommended flood mitigation projects be ranked in the state flood plan. The 15 Regional Flood Planning Groups (RFPG), designated by the TWDB in 2020, will submit their amended regional flood plans to TWDB by July 10, 2023. The TWDB will combine the approved regional flood plans into a single state flood plan to be delivered to the Legislature by September 1, 2024.

Soliciting Stakeholder Feedback on Proposed Methods for Ranking Recommended Flood Mitigation Projects

Submission Deadline: April 1, 2023

[ONLINE FEEDBACK FORM](#)

The Texas Water Development Board (TWDB) is soliciting public feedback on [proposed methods](#) for ranking recommended Flood Management Evaluations (FME), Flood Mitigation Projects (FMP), Flood Management Strategies (FMS) in the 2024 State Flood Plan. The intent of the TWDB ranking methods for the state flood plan is to provide a consistent approach to be used across all Texas regions to systematically address, in general, the flood hazard with most population, properties and critical facilities at risk first in the state during a 1% annual chance flood. The proposed

FMX Scoring Criteria

- FMPs
 - 70% data from geodatabase
 - 30% reported project details
- FMEs
 - 100% data from geodatabase
- FMSs
 - 100% data from geodatabase
- Percentages allocated to many categories
- Scores normalized based on highest value recorded in each category for all FMEs

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Texas Water Development Board

Home Board Financial Assistance Water Planning Groundwater Surface Water Flood Dr

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Sabine's #1 FME – Orange County Railroad Trestles (#43)



Criteria	Weight	Sabine Number	Max Value	Sabine Score Normalized to 100	Score
Number of Structures at 100-yr Risk	15%	16,974	186,744 (Reg. 3)	9.09	1.36 / 15
Residential Structures at 100-yr Risk	10%	14,040	141,182 (Reg. 3)	9.94	0.99 / 10
Population at 100-yr Risk	15%	44,427	976,798 (Reg. 6)	4.55	0.68 / 15
Critical Facilities at 100-yr Risk	20%	276	2,332 (Reg. 6)	11.84	2.37 / 20
Number of Low Water Crossings	20%	22	1,737 (Reg. 3)	1.27	0.25 / 20
Number of Road Closures	5%	22	9,511 (Reg. 12)	0.23	0.01 / 5
Roadway Length Inundated by 100-yr	10%	364.5	7,605 (Reg. 3)	4.79	0.48 / 10
Ranch & Farm lands at 100-yr Flood Risk	5%	17,171	2,425,093 (Reg. 1)	0.71	0.035 / 5
Score (out of 100)					6.18 / 100
Initial Ranking					43

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FME Rankings List – Initial Evaluations



- 2,328 FMEs across all 15 regions

1. Average rank of the Top 10 FMEs for each region

2. Number of Projects in the Top 100 of all ranked FMEs

Region	Top 10 FME Avg Rank	Region	Number of Projects in Top 100 FMEs	Cost
6 (San Jacinto)	12	6 (San Jacinto)	35	\$71.4 M
3 (Trinity)	54	3 (Trinity)	12	\$15.5 M
12 (San Antonio)	64	7 (Upper Brazos)	9	\$2.5 M
13 (Nueces)	72	12 (San Antonio)	9	\$4.9 M
7 (Upper Brazos)	75	4 (Sabine)	7	\$7.7 M
4 (Sabine)	87	9 (Upper Colorado)	6	\$1.8 M
9 (Upper Colorado)	97	13 (Nueces)	6	\$55 M
11 (Guadalupe)	99	1 (Upper Red)	4	\$3.4 M
5 (Neches)	139	11 (Guadalupe)	4	\$5.4 M
1 (Upper Red)	165	5 (Neches)	2	\$3 M
10 (Lower Colorado)	168	8 (Lower Brazos)	2	\$3.2 M
14 (Upper Rio Grande)	197	10 (Lower Colorado)	2	\$12.8 M
2 (Lower Red)	341	14 (Upper Rio Grande)	2	\$1.4 M
15 (Lower Rio Grande)	380	2 (Lower Red)	0	-
8 (Lower Brazos)	428	15 (Lower Rio Grande)	0	-

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Initial Takeaways

- **Unclear on how the ranking will be used.**
- **The bigger the FME polygon...the higher the ranking.**
 - *Significant* impact on the scoring/ranking.
- Reliance on **ONLY** the 100-year for project scoring
 - Important to reduce 100-year flooding, smaller projects can make a significant difference to a community
- Normalized scoring potentially diminishes smaller communities
- Costs not factored in for scoring.
 - How does a \$24B project compare to a \$5M project in terms of being funded?
- Some FMEs work towards a project resulting in reduction in flood risk. Other FMEs work towards more data generation.
 - How will the state compare these?



**Provide comments
to TWDB on Ranking
Process by 4/1**

**TWDB Webinar on
3/22 @ 9 am**

7



Task 12 Modeling Update

8

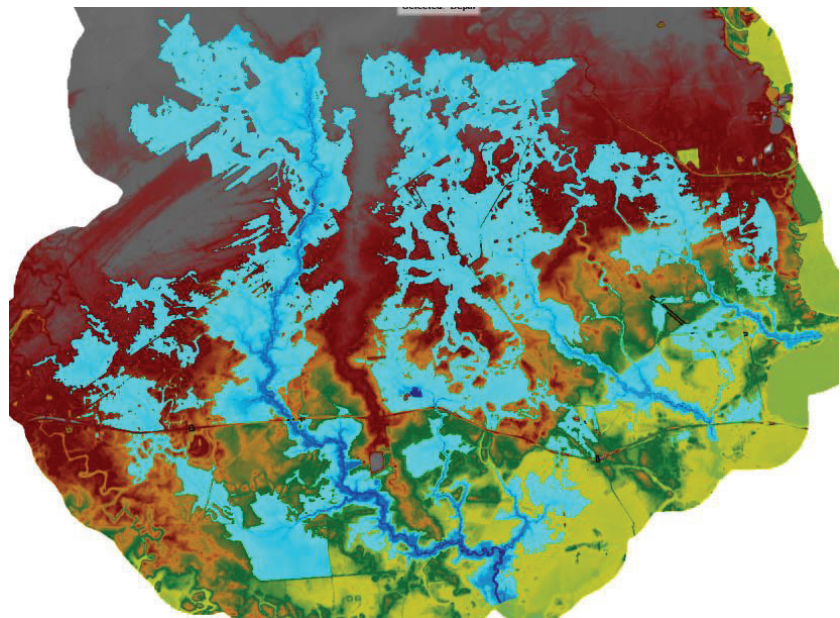
Task 12

- Perform identified potential FMEs to either...
 - Evaluate flood risks where there is currently limited data
 - **Evaluate flood risk reduction solutions**
- GOAL: Turn FMEs into FMPs
 - 2 FMPs in “Final” Plan
 - Aiming to generate 12+ FMPs by amended plan.
- Prioritized areas:
 - Orange County **(Task 12 – Primary)**
 - OCDD Ponds
 - Kinard Estates
 - City of Marshall – Parker Creek Corridor **(Task 12 – Secondary)**

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Task 12 – Hydraulic Model

- Terry Gully
- Cow Bayou
- Adams Bayou
- Cole Creek
- Sandy Creek
- Inflow from Newton and Jasper Counties
 - Less detailed modeling

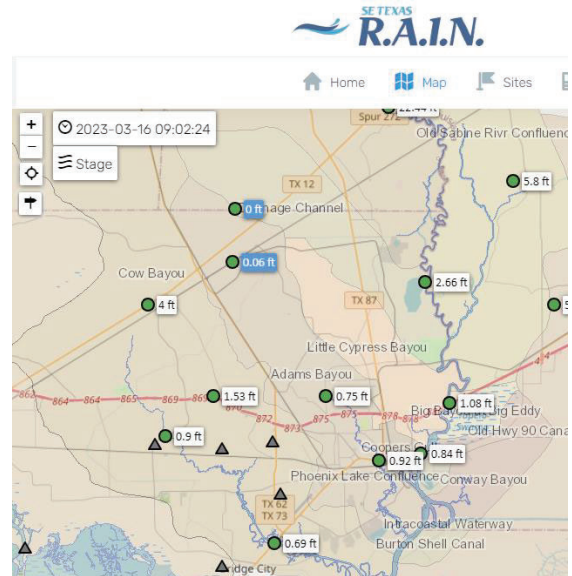


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Orange County Hydraulic Modeling

REGION 4
SABINE
REGIONAL FLOOD PLANNING GROUP

- Calibration
 - July 2022 (5 YR Flood Event)
 - Largest rainfall after installation of countywide gages
 - Adjusted parameters based on historical data
 - Spring/Summer 2022 was extremely dry
- Verification
 - Hurricane Harvey
 - USGS High Water Marks
 - Tailwater from Sabine Lake significantly impacts Cow Bayou and Adams Bayou
 - Overflow from Neches Watershed



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REGION 4
SABINE
REGIONAL FLOOD PLANNING GROUP

Task 12 Detention Evaluation

12

Task 12 FMP Evaluation



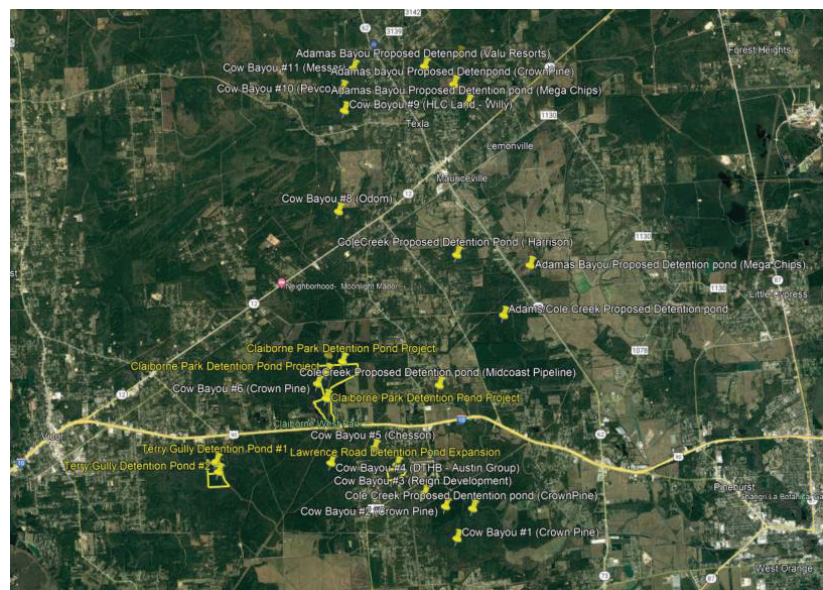
- What's been done so far:
 - Orange County
 - Existing Conditions Hydrology
 - Existing Conditions Hydraulics
 - Calibration to July 2022 Rainfall Event
 - Alternative Analysis
 - No Adverse Impact within the Channel
 - No Adverse Impact in the over banks
 - High-Level Cost Estimate
 - Parker Creek (City of Marshall)
 - Existing Conditions Hydrology
 - Existing Conditions Hydraulics
- What's still to come:
 - Last 3 Orange County Ponds
 - Develop FMPs for Parker Creek
 - Detailed Cost Estimate
 - Full Benefit-Cost Analysis
 - Document FMP Evaluation

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Considerations for Task 12 Detention Modeling

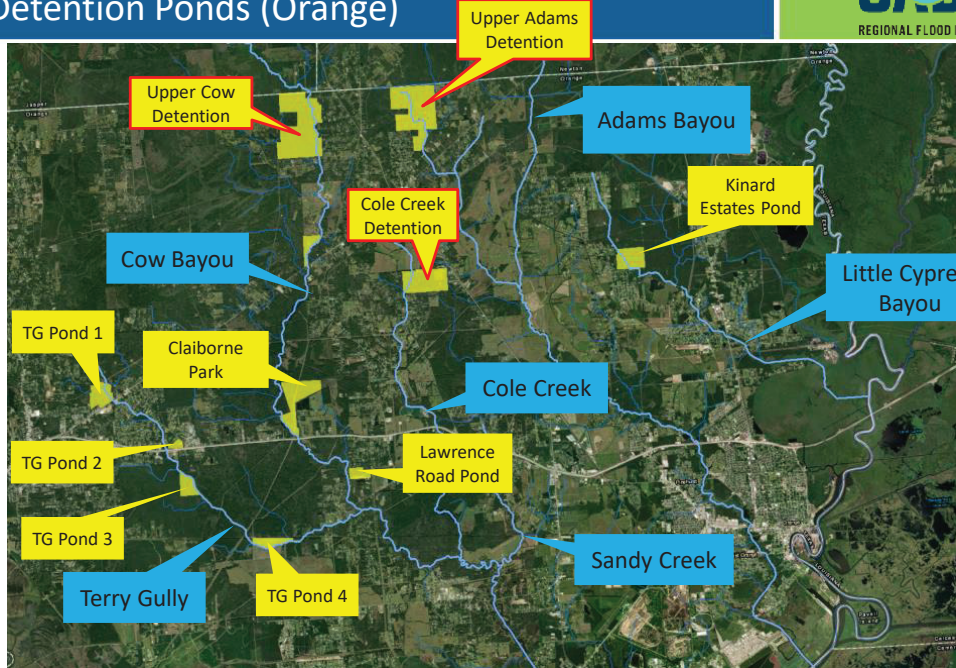


- OCDD Design Criteria
- Pipelines
 - From RRC Data
- Property Boundaries / Parcels
- Feasibility
- Google Earth .kmz file transmitted from OCDD to FNI
- Direction from OCDD → Deep ponds with pump stations
 - Maximizes the amount of available detention volume...but is more expensive.



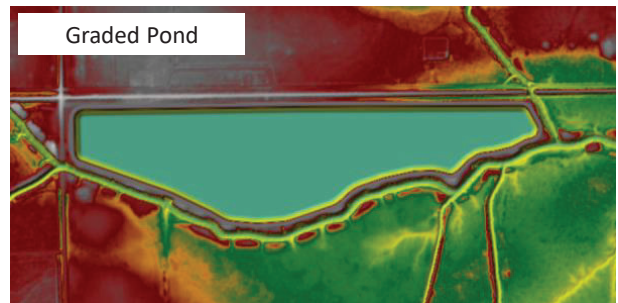
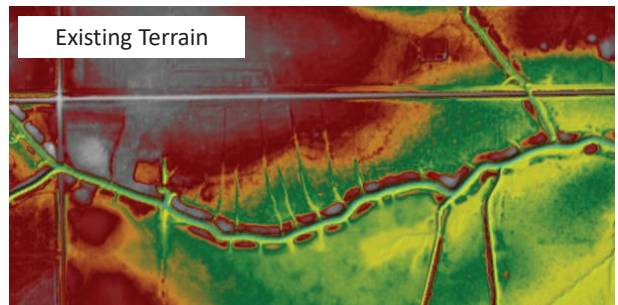
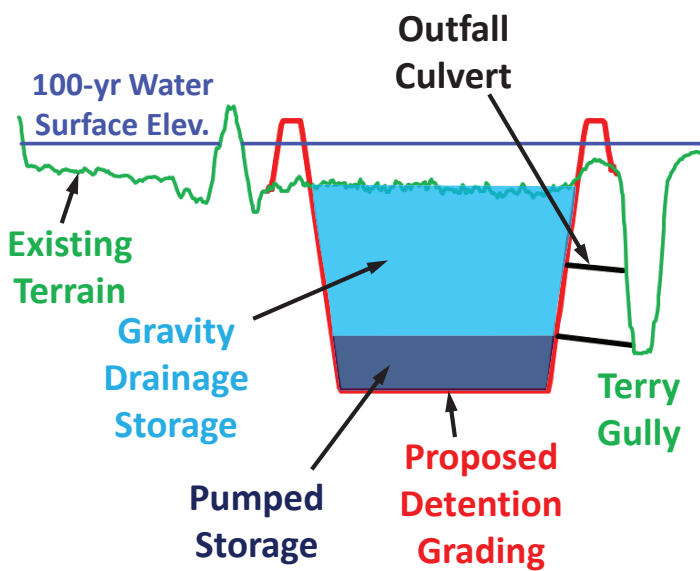
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Task 12 Detention Ponds (Orange)



15

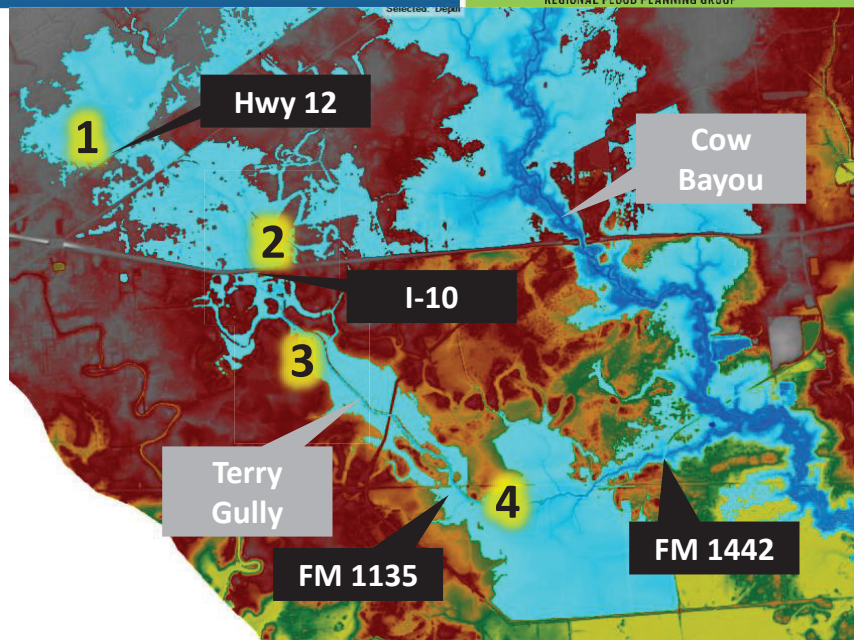
Deep Detention System Alternatives



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Terry Gully Detention

1. Upstream of Highway 12
2. Upstream of I-10
3. Downstream of I-10
4. Downstream of FM 1135



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Terry Gully Detention 1

- Approx. 90 acres
- Approx. 1.34 million cubic yards of excavation (820 acre-feet)
- ROW Acquisition Required
- Benefits:
 - North of Hwy 12: 0.62'
 - Hwy 12 to I-10: 0.46'
 - I-10 to FM 1442 : 0.13'
- Opinion of Probable Construction Cost (OPCC)
 - \$74M preliminary cost (not including land acquisition)



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Terry Gully Detention 2

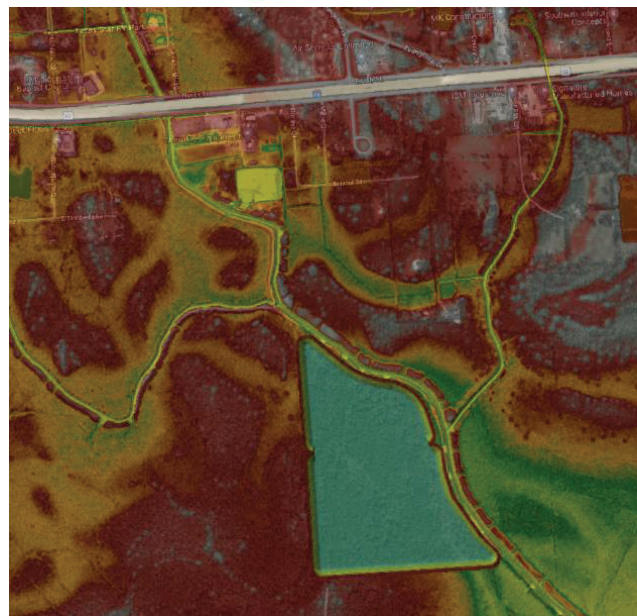
- Approx. 30 acres
- Approx. 342,000 cubic yards of excavation (212 acre-feet)
- ROW Acquisition Required
- Benefits:
 - North of Hwy 12: Minimal
 - Hwy 12 to I-10: 0.1'
 - I-10 to FM 1442 : 0.1'
- Opinion of Probable Construction Cost (OPCC) is underway



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Terry Gully Detention 3

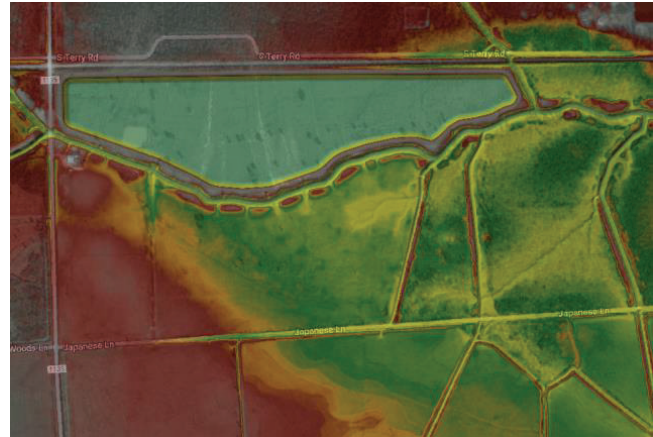
- Approx. 95 acres
- Approx. 2 million cubic yards of excavation (1,256 acre-feet)
- Property is owned by OCDD
- Benefits:
 - North of Hwy 12: Minimal
 - Hwy 12 to I-10: 0.1'
 - I-10 to FM 1442 : 0.5'
- Opinion of Probable Construction Cost (OPCC) is underway



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Terry Gully Detention 4

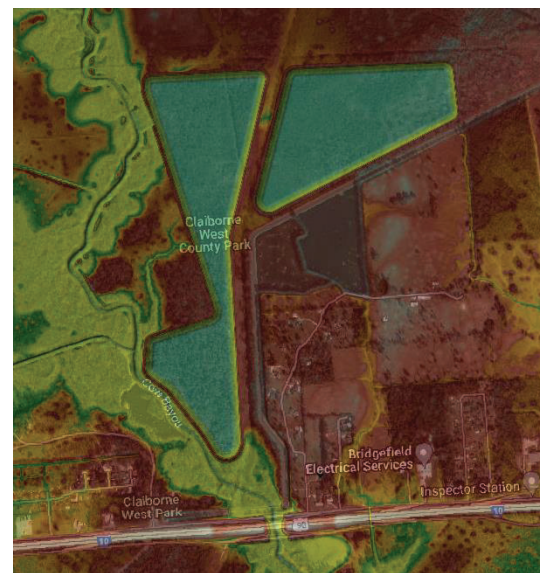
- Approx. 75 acres
- Approx. 1.21 million cubic yards of excavation (753 acre-feet)
- Property is owned by OCDD
- Benefits:
 - North of Hwy 12: Minimal
 - Hwy 12 to I-10: Minimal
 - I-10 to FM 1442 : 0.3'
- Opinion of Probable Construction Cost (OPCC) is underway



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Cow Bayou Detention (Claiborne Park)

- Approx. 230 acres
- Approx. 4.4 million cubic yards of excavation (2,700 acre-feet)
- ROW Acquisition Required
- Benefits:
 - I-10 to S Terry Rd: 0.3'
- Opinion of Probable Construction Cost (OPCC) is underway



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Kinard Estates

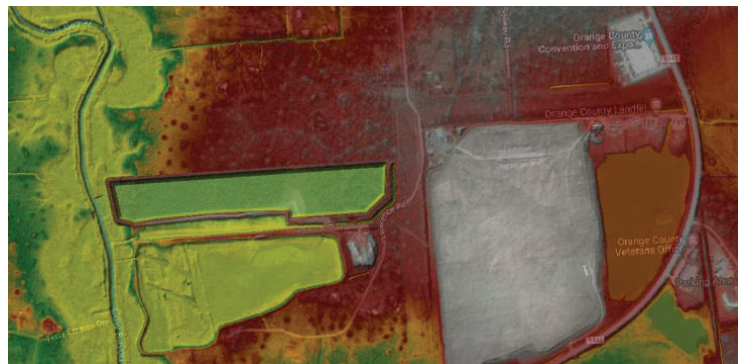
- Approx. 127 acres
- Approx. 2.07 million cubic yards of excavation (1,283 acre-feet)
- Property acquisition required
- Benefits?
 - West of Hwy 87: **1.5'**
 - East of Hwy 87: Small Impact, will need to evaluate further
- Opinion of Probable Construction Cost (OPCC) is underway



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Lawrence Road Pond Expansion

- Approx. 25 acres
- Location identified
 - Deepen pond
 - Expand to north
- Modeling in progress

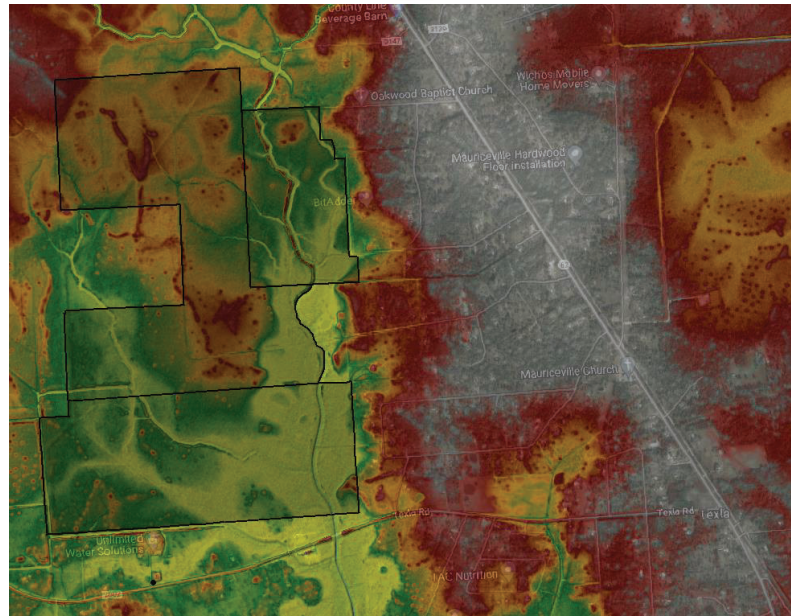


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Upper Cow Bayou

REGION 4
SABINE
REGIONAL FLOOD PLANNING GROUP

- Potential location identified
- Anticipating to simulate 2 detention ponds
- Modeling and prelim design in progress

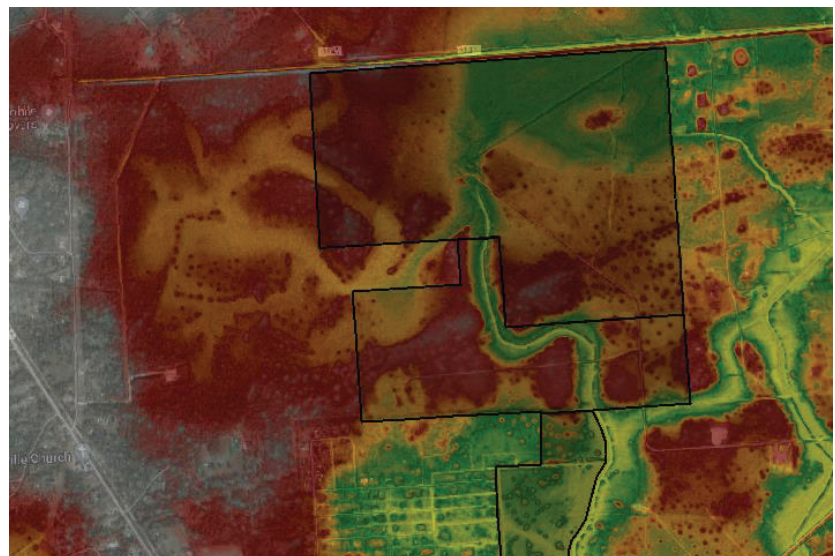


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Upper Adams Bayou

REGION 4
SABINE
REGIONAL FLOOD PLANNING GROUP

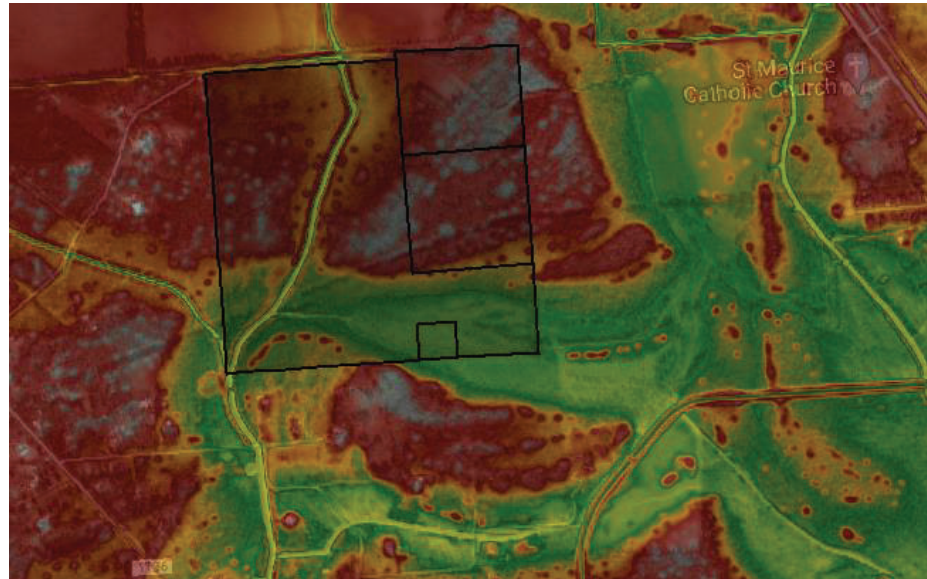
- Potential location identified
 - Near Relief Ditch to the north
- Anticipating to simulate 2 detention ponds.
- Modeling and prelim design in progress



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Cole Creek

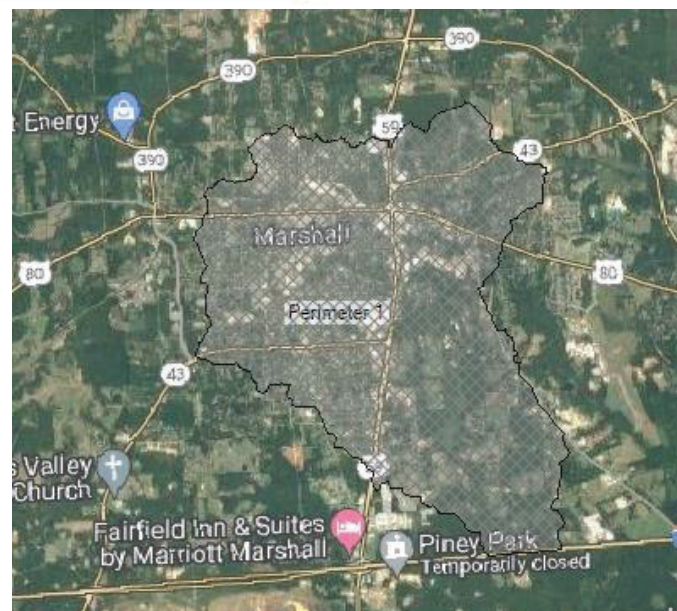
- Potential location identified
- Modeling and prelim design in progress
- Pipelines running east-west in southern areas
- Overflow from east requires corridor for passage



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Parker Creek (City of Marshall)

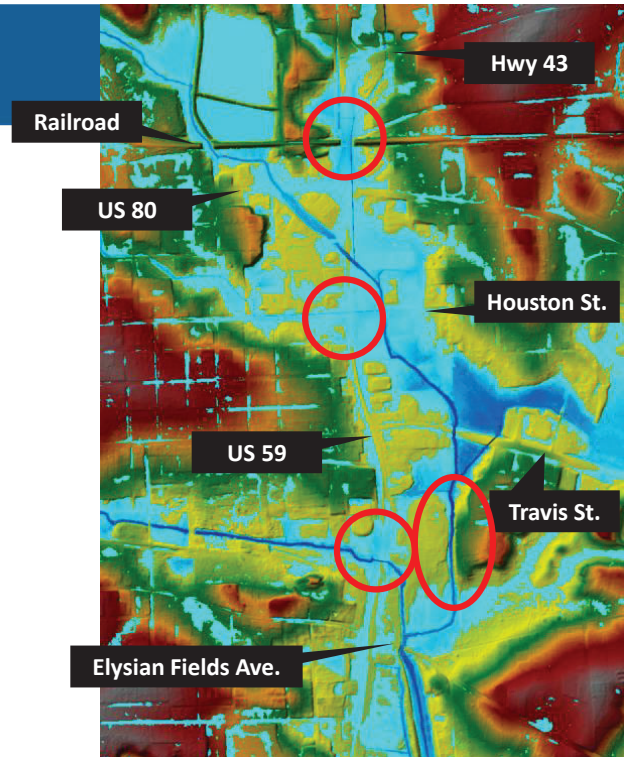
- Existing Conditions in QC
 - Only anecdotal Historical Data is available
- Hot Spot Analysis
 - US 59 Overtopping
 - US 59 Crossings
 - Commercial Development Encroaching Floodplain
- Alternative Analysis
 - Goal is 1 to 2 FMPs



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Parker Creek (City of Marshall)

- Problematic Area: US 80 to Elysian Fields Ave.
- Flooding Issues noted by City staff:
 - Flooding on US 59 (evacuation route) at several low spots
 - Flooding upstream of US 80
 - Development encroaching on floodplains
- Prelim models results:
 - Overtopping US 59 at several locations
 - Flooding of US 59 / US 80 intersection
 - Parker Creek choked between Travis St. & Elysian Fields Ave. causing a backup of water



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Parker Creek

- Choking of flow causes a diversion of water towards US 59
- Many flooded sections of US 59 in the low-lying areas
- Model results consistent with anecdotal information from City and news reports



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Sabine RFP – New FMXs

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New Projects FMXs for Amended Plan

- SRA/FNI received approval from TWDB on Feb. 27th to add new FMXs into the RFP
 - From outreach FNI did with entities in Fall 2022.
- FMPs (*anticipated*)
 1. Hunt County FIF Study
 2. Upper Sabine FIF Study
 3. Task 12: Orange County
 4. Task 12: Marshall
- FMEs
 5. City of Marshall Drainage Improvements
 6. Rains County Roadway Flooding
 7. Coordination with Regions 2, 3, and 5
 8. Ongoing Upper Sabine FIF Alternatives



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Timeline to Amended Plan

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Timeline to Amended Plan

- March 2023
 - **3/31: Deadline for items for inclusion in Amended Sabine Plan**
 - Anticipating comments on Final Plan from TWDB.
 - TWDB noted a 2 week turnaround
- April 2023
 - FNI to propose new FMXs to RFPG for consideration into amended plan
 - FNI performing tasks to change FMEs to FMPs
 - FNI amending text and appendix tables.
 - RFPG to vote on any revisions to Final Plan as a result of TWDB comments.

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Timeline to Amended Plan



- May 2023
 - RFPG to vote on new FMX inclusion
 - RFPG to vote on changing some FMEs to FMPs
- June 2023
 - Early June: FNI submits final Amended RFP documents to SRA/RFPG for final review
 - Late June: **Adoption of Amended Plan by RFPG**
- July 2023
 - FNI compiles Amended Plan hard copies and prepares for submittal to TWDB.
 - **Submittal of Amended Plan to TWDB by Friday, July 14th**

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Questions/Comments/Concerns?

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**AGENDA ITEM 9: CONSIDER DATE AND AGENDA ITEMS
FOR NEXT MEETING.**

PRESENTED BY: TRAVIS WILLIAMS, CHAIR

SUPPORTING INFORMATION

RECOMMENDED ACTION

Date: _____

Time: _____

AGENDA ITEM 10: ADJOURNMENT

PRESENTED BY: TRAVIS WILLIAMS, CHAIR

SUPPORTING INFORMATION

There being no other business, Chair Williams will entertain a motion to adjourn the meeting.

TIME: _____

RECOMMENDED ACTION

MOTION: _____ SECOND: _____ APPROVED: _____