

Resolution # 051426 I.V.B.9

WHEREAS, Rains County finds it in the best interest of the citizens of Rains County that the TWDB Flood Management Evaluation (FME1) for Small Communities Community Interest Affirmation be signed and submitted for the 2026 year; and

WHEREAS, Rains County agrees that in the event of loss or misuse of any funds, Rains County assures that the funds will be returned to the funder in full.

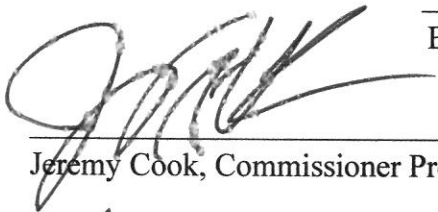
WHEREAS, Rains County designates the Rains County Judge as the grantee's authorized official. The authorized official is given the power to apply for, accept, reject, alter, sign for, or terminate the TWDB Flood Management Evaluation (FME1) for Small Communities Community Interest Affirmation on behalf of the applicant agency.

NOW THEREFORE, BE IT RESOLVED that Rains County approves the submission of the TWDB Flood Management Evaluation (FME1) for Small Communities Community Interest Affirmation.

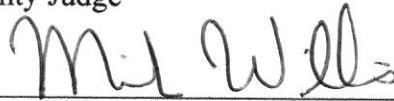
Adopted this 14th day of May 2026.



Brent Hilliard, Rains County Judge



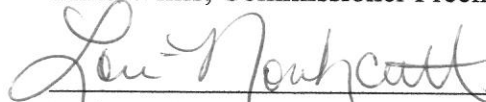
Jeremy Cook, Commissioner Precinct 1



Mike Willis, Commissioner Precinct 2

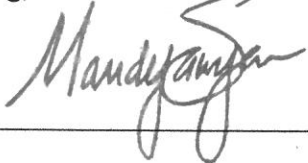


Korey Young, Commissioner Precinct 3



Lori Northcutt, Commissioner Precinct 4

Attest:





Flood Management Evaluation (FME¹) for Small Communities Community Interest Affirmation

Please Note: Study information submitted in this document must be consistent with the details submitted by the Regional Flood Planning Group (RFPG). By submitting this affirmation, you understand and confirm that the information provided is true and correct to the best of your knowledge and further understand that the failure to submit this affirmation may result in the withdrawal of the Study from the TWDB list of FMEs being performed.

GENERAL INFORMATION

Entity Name	
	Rains County
Entity Type	
	County
A Citation of the Law Under Which the Political Subdivision Operates and was Created	
Entity's Physical Address (e.g., central office address)	
	220 W. Quitman St. Suite B, Emory, TX. 75440
Entity's Mailing Address	
	167 E. Quitman St., Suite 102, Emory, TX 75440

Official Representative The Community's official study representative with authorized signatory authority.	Name	Brent D. Hilliard
	Title	County Judge
	Phone	903 473-5000
	Email	brent.d.hilliard@co.rains.tx.us
	Address	167 E. Quitman, Suite 102, Emory, TX 75440

Primary Contact The Community's primary study contact for day-to-day study implementation.	Name	Ronnie Morgan
	Title	Road & Bridge administrator
	Phone	903 473-5099
	Email	Ronnie.morgan@co.rains.tx.us
	Address	1293 S. State Hwy 19, Emory, TX 75440

¹ Flood Management Evaluation (FME) is a proposed study to identify and assess and quantify flood risk or identify, evaluate, and recommend flood risk reduction solutions.

GENERAL STUDY INFORMATION (PROPOSED STUDY)

Study Name (as referred to by Community)	Rains County Drainage Master Plan
Full Name of FME as presented to the RFPG	Rains County Drainage Master Plan
Regional Flood Planning Group (01-15)	04
Regional Flood Planning Areas Benefitting from Study	Sabine
Unique 9-digit FME ID Number(s) from the associated RFPG	04-51-0000000017

PROPOSED STUDY

1. **Scope of Work.** Please review the attached Scope of Work as identified and developed by your Regional Flood Planning Group (RFPG) that will be performed on behalf of your community by the Texas Water Development Board. Please provide feedback, if any, on the scope of work including if you would like any changes or have additional information.

REPLACE 2 4FT CULVERTS ON COUNTY ROAD 1150, SINCE THIS ROAD IS CURRENTLY CLOSED DUE TO WASH OUT, SITE # 4 ON BRUSHY CREEK.

DO HYDRAULIC STUDY ON ALL LISTED SITES

2. **Description of why this study was selected for the FME Small Communities.** Please explain in your own words why the study should be performed by TWDB. (for example, the study would benefit from financial assistance from the state, any previous loss of life, critical facilities in flood hazard area, high risk area of flooding, need to address a specific flooding issue etc.).

DEFINATELY INCREASE EMERGENCY SERVICES ABILITY TO REACH PEOPLE IN FLOODED AREAS

3. **Please affirm that the community does not have the resources to perform the study and will benefit from state funding.**

WE ARE CONSIDERED A DISADVANTAGED COUNTY THAT IS SMALL AND UNDER FUNDED

Please confirm the following related to this study:

4. **Redundant Funding.** Would redundant funding for activities already performed and/or funded through another source? Has the proposed study, in part or in whole, been awarded funds by another funding program (e.g., Clean Water State Revolving Fund (CWSRF), Community Development Grant (CDBG), Hazard Mitigation Grant Program (HMGP), Flood Infrastructure Fund (FIF), Texas Department of Transportation (TXDOT), US Army Corps of Engineers (USACE), etc.)?

Yes

✓ No

5. **Documentation.** Does the Community wish to provide any relevant documents or information that will be supportive of this study (example: previous studies, survey etc.)? If yes, please list below and attach with the form.

YES, SEE ATTACHED 25 SITES

6. Is the Community committed to being responsive and engaged with the RFPG, TWDB, and TWDB's Contractor - including participating in Monthly Study Progress Meetings - over time and as needed, to ensure successful completion of this study?

YES

I, BRENT D. HILLIARD (Name),

Serving as the Authorized Representative of

Rains County (Entity)

Hereby certify that Rains County (Entity)

has reviewed the attached Scope of Work and confirms that the entity would like Texas Water

Development Board to perform the Flood Management Evaluation (Study) with FME ID No.

04-51-0000000017 on behalf of the community.

Signature

Date

BRENT D. HILLIARD

Printed Name

COUNTY JUDGE

Title



**COUNTY OF RAINS
ROAD & BRIDGE ADMINISTRATION**

1293 S. State Highway 19
P.O. Box 185
Emory, Texas 75440
Phone (903) 473-5099 Fax (903) 473- 5070
Ronnie.morgan@co.rains.tx.us
Road and Bridge Administrator



April 9th 2026

Here is a summary of the sites that we, here in Rains County, need help to improve the drainage issues. I have put together a map of the major tributaries that will carry most of the water to the Sabine River. The **Red** dots are sites that need to be looked at or helped. The **Green** sites are the sites that we have improved or that are functioning correctly without flooding.

- 1) **Brushy Creek** corridor has 5 sites that flood. NOTE: **Number 1** 32* 47' 53" N 95* 49' 29" W site is going to be replaced by Federal Funds C/O TxDot. 1500 feet of this road floods. **Number 2** 32* 50' 55" N 95* 46' 14" W site needs to be replaced with larger bridge. A 1000 feet of this road floods. **Number 3** 32* 48' 22" N 95* 49' 57" W site need to replace the culverts with a box culvert to carry more volume. **Number 4** 32* 50' 55" N 95* 46' 14" W site need to replace the culverts with a free span bridge. A 1000 feet of this road floods. **Number 5** 32* 53' 15" N 95* 48' 00" W site need to install larger culverts.
- 2) **Franks Creek** corridor has 5 sites. NOTE: We have replaced the bridge on CR 2420 it is downstream from site number 5. **Number 1** 32* 46' 26" N 95* 42' 03" W site replace large culverts and replace with free span bridge or bridges. A 1000 feet of this road floods. **Number 2** 32* 49' 04" N 95* 42' 02" W site need to replace culvert and remove concrete. Install larger box culvert. **Number 3** 32* 49' 12" N 95* 41' 50" W site to replace culvert with larger culvert. **Number 4** 32* 49' 12" N 95* 42' 33" W site need to replace large culvert with box culvert. **Number 5** 32* 49' 13" N 95* 40' 42" W site replace Tank Car with box culvert.

- 3) **Sandy Creek** corridor has 3 sites that flood. **Number 1** 32° 46' 12" N 95° 44' 43" W site need to add another bridge and remove large culverts. **Number 2** 32° 50' 16" N 95° 45' 51" W site replace the 5 box culverts with a free span bridge 80 feet in length. **Number 3** 32° 50' 55" N 95° 46' 14" W site replace damaged bridge.
- 4) **Shuffle/Woodbury Creek** corridor has 2 sites that flood. **Number 1** 32° 53' 54" N 95° 51' 44" W site need to replace culverts with larger culverts. **Number 2** 32° 49' 20" N 95° 52' 49" W site need to replace culverts with larger culverts. NOTE: We have improved 7 sites in this area.
- 5) **Allred Creek** corridor has 2 sites that flood. **Number 1** 32° 46' 12" N 95° 44' 43" W site need to replace the large culverts with a free span bridge. **Number 2** 32° 47' 36" N 95° 44' 13" W site need to replace the damaged culvert with a larger one.

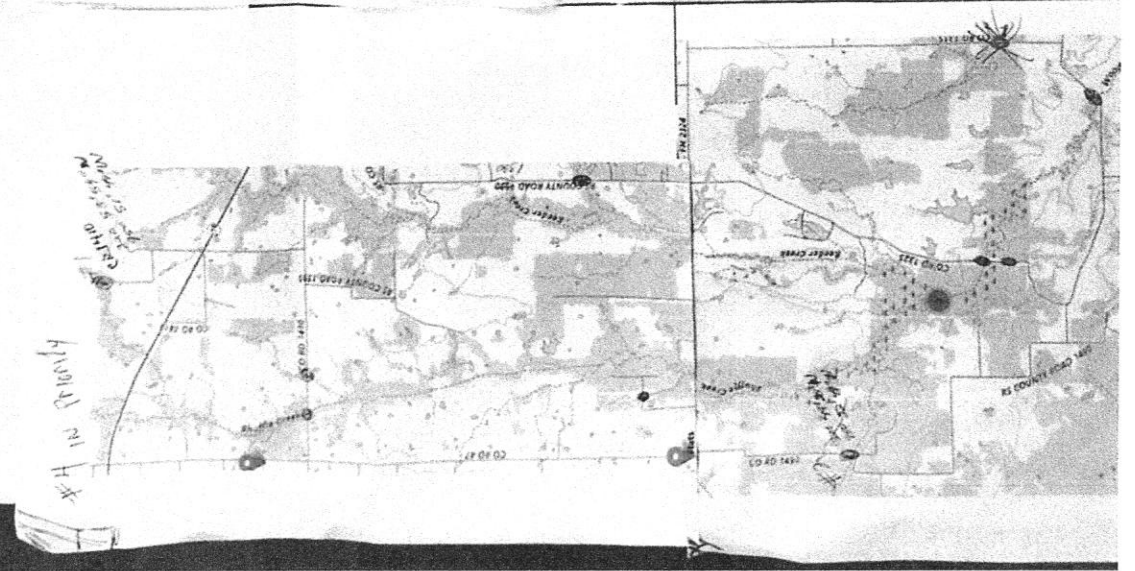
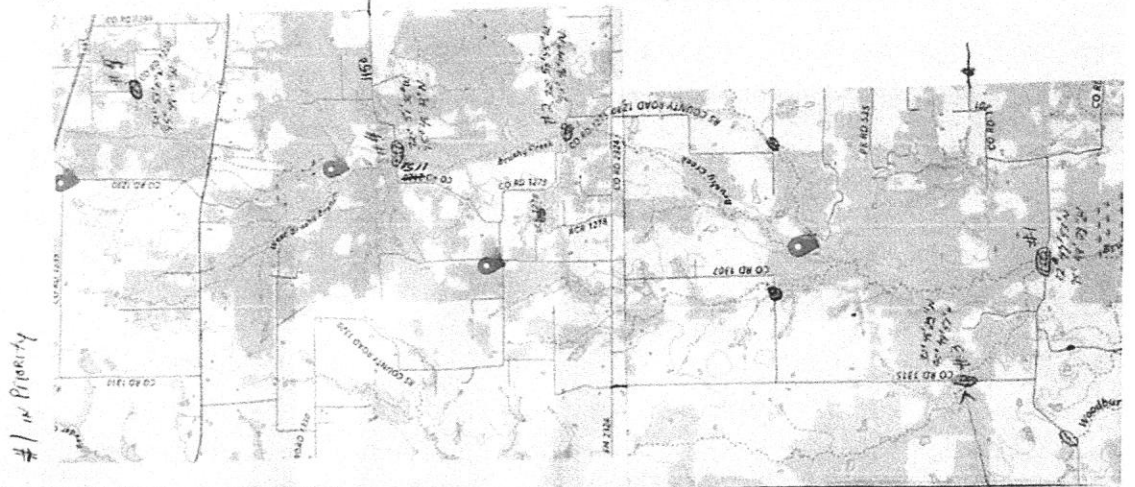
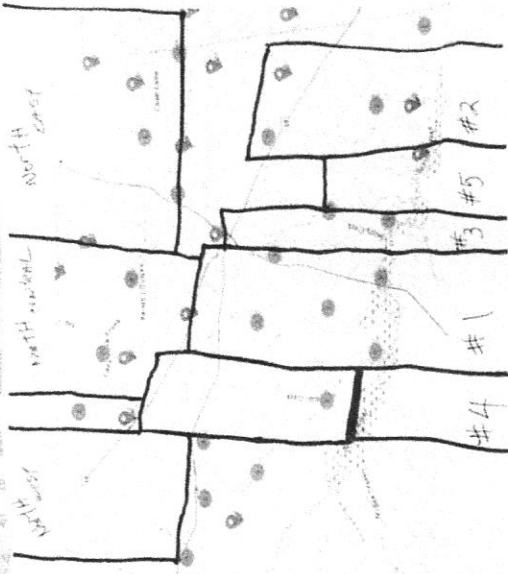
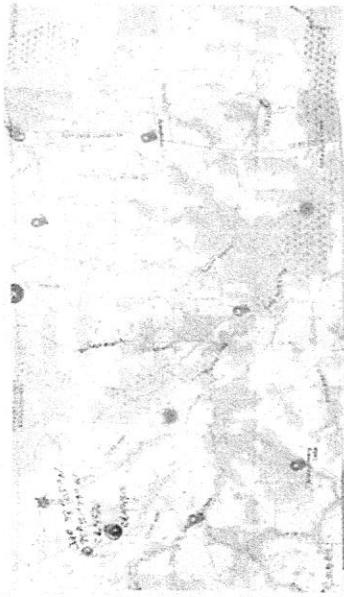
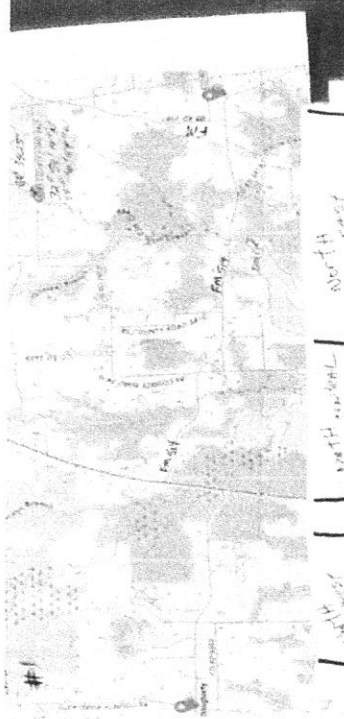
North West Corner corridor has 5 sites that flood. **Number 1** 32° 54' 32" N 95° 54' 30" W site need to replace culverts with a larger box culvert. **Number 2** 32° 55' 43" N 95° 53' 04" W site need to add another 3 foot culvert to carry the storm water and the city water. **Number 3** 32° 56' 07" N 95° 54' 30" W site need to add another 3 foot culvert. **Number 4** 32° 57' 22" N 95° 52' 21" W site need to replace 8 foot tank car with free span bridge. **Number 5** 32° 54' 19" N 95° 53' 15" W site need to install 2 larger culverts and rise road 8 inches.

North Central Area corridor has 1 site that floods. **Number 1** 32° 58' 04" N 95° 51' 17" W site need to increase the size of the 3 foot culvert to a 4 foot culvert.

North East Corner corridor has 2 sites that flood. **Number 1** 32° 58' 43" N 95° 46' 07" W site need to replace damaged bridge. **Number 2** 32° 58' 19" N 95° 40' 54" W this bridge needs to be raised and debris removed from upstream.

Thank you for your consideration on these areas.

Ronnie Morgan
Rains County Road and Bridge Administrator



#2 in Priority

#5 in Priority

RAINS COUNTY ROADS PRONE TO FLOODING

Asterisk roads—can flood on a 2 inch rain.

PCT. 1

1275*
1303
1315
1325*
1490*
1495*
2300
2350
2400
2470

PCT.2

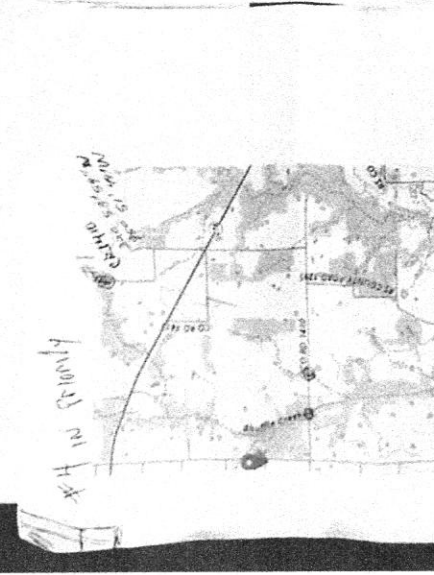
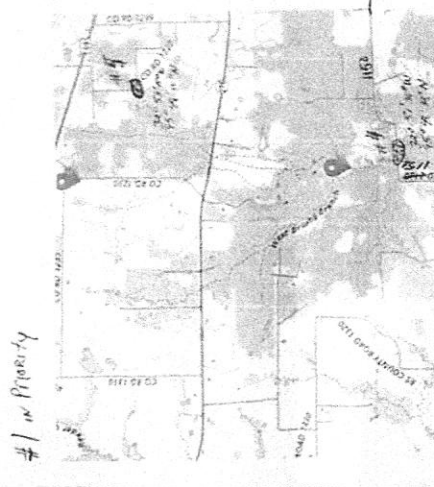
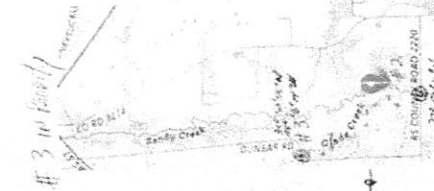
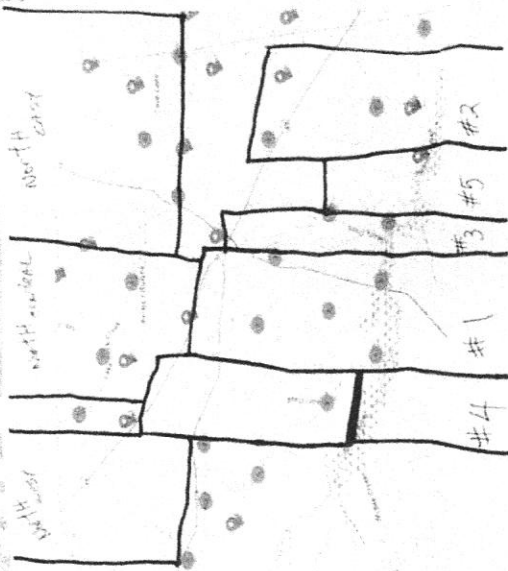
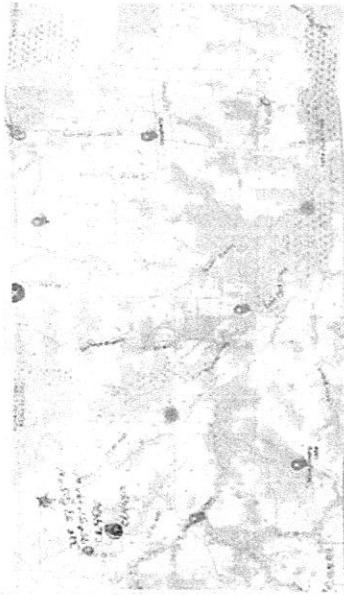
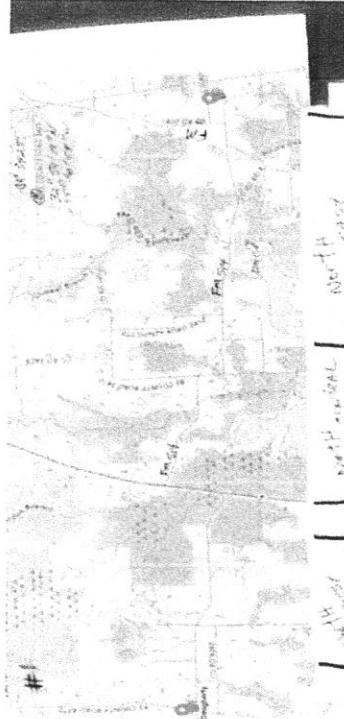
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PCT.3

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PCT.4

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#2 in Priority

#5 in Priority

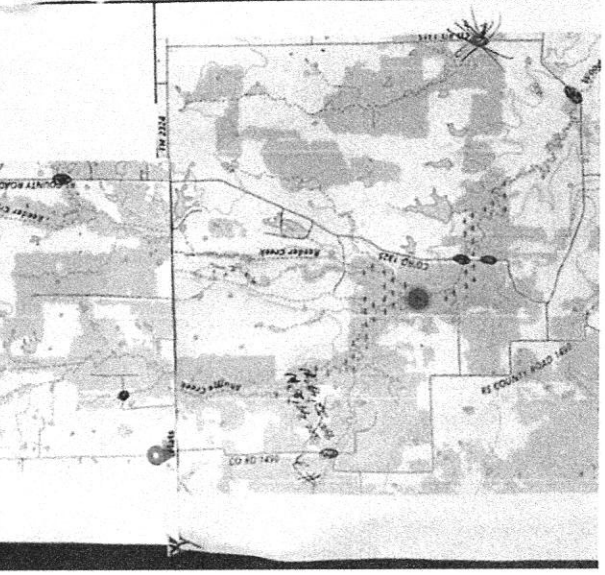
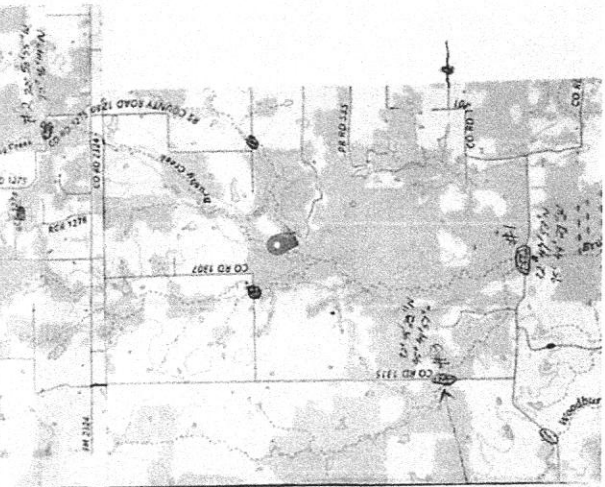
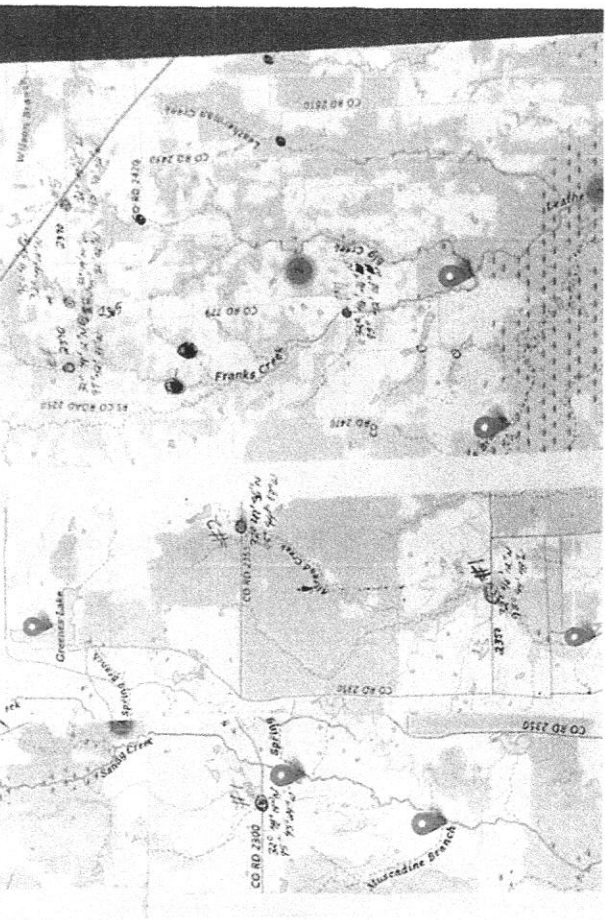
#3 in Priority

#1 in Priority

#4 in Priority

#2 in Priority

#5 in Priority





Flood Management Evaluation (FME) for Small Communities

SCOPE OF WORK TEMPLATE

Study Information

1. GENERAL STUDY INFORMATION

FME Name:	Rains County Drainage Master Plan
Unique 9-digit FME ID Number(s) from the associated RFPG	04-51-0000000017
Full Name of FME as presented to the RFPG (If different)	Rains County Drainage Master Plan
FME Description*	Comprehensive review of current CIP, evaluation of local drainage, development of alternatives and costs to reduce flood risk, recommend flood mitigation strategies and projects to include in future CIP, and documentation of the Master Drainage Plan
FME Type*	Watershed Planning
Primary Community Contact	Joe Parker, Emergency Management Coordinator joe.parker@co.rains.tx.us
Regional Flood Planning Group (01-15)	04
Regional Flood Planning Group Member Contact (for this FME)	Travis Williams, Chair twilliams@sratx.org
Regional Flood Planning Group Technical Consultant Contact	Mat Leclair, Freese and Nichols Mat.leclair@freese.com
Study Location: Latitude/Longitude reflecting the geographic center of the area to be studied. This is the study location and not the location of the entity.	32.87466 N, 95.76619 W
County/Counties where the Study Area is located	Rains County
Description of the need for the study and the expected study benefit.	County personnel expressed interest in preparing a drainage master plan for Rains County to evaluate flood risk and determine potential drainage improvements.

Details on the need for the proposed study (for example, need to address a specific flooding issue, avoid potential stormwater damage, expand capacity, etc.).	
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**FME Description and Type should be exactly same as included in the geodatabase described in Exhibit D, Table 25 from RFPG Guidance Document.*

2. **Study Map.** See Attachment A, the map showing the study location and delineation of the study watershed. The map should show the hydrologic and hydraulic limits of analysis.
3. **Digital Study Shapefile.** Attached an ArcGIS compatible .shp file with the study location. If there are multiple locations, such as for a flood early warning system or local drainage improvements, the area provided is the affected area within the .shp file.

SCOPE OF WORK TASKS

The Scope of Work (SOW) and budget breakdown must include the following numbered/bold Tasks and associated work (as applicable). Additional tasks as needed for community's or a particular FME's specific need may be included. These are minimum requirements of the SOW, additional details for each task may be included in SOW.

All submittals must conform to the content, formatting, and database requirements of Exhibit C Technical Guidelines and Exhibit D Data Submittal Guidelines for Regional Flood Planning from the Regional Flood Planning Group (RFPG) Contract Documents:

<https://www.twdb.texas.gov/flood/planning/planningdocu/2028/index.asp>

Task 1. Project Management and Meetings

- a. Contractor must submit Monthly Detailed Progress Reports following TWDB requirements, including at a minimum:
 - High-level schedule and budget tracking
 - Meeting minutes of relevant meetings that occurred during the invoicing period
 - Must be submitted within two weeks of month's end
 - Summary of Progress Report must accompany each invoice.
- b. Contractor must conduct Monthly Progress Meetings with Community and TWDB, including a Kick-off and Closeout Meeting.
 - An agenda must be provided by Contractor with a minimum of one day before the meeting.
- c. Public Meetings: Contractor must conduct at least one public meeting. More details to follow in Task 9.
- d. Milestone Reporting: Deliverable submissions to TWDB will be required at the following progress milestones:
 - 50% (Draft Alternative FMXs identified) by October 23, 2026
 - 90% (Draft Report with BCR and Cost Opinion information) by February 26, 2027
 - 100% (Final Report for inclusion in Regional Flood Plan) by April 26, 2027.

Task 2. Data Collection and Review

- a. Efforts to collect data from previous studies performed within the study area must be documented.
 - (1) Including, but not limited to, collection of best available data such as existing studies, models, GIS data, Federal Emergency Management Agency (FEMA) Flood Insurance Study (FIS) and maps, FEMA Letter of Map Revisions (LOMRs), TWDB Base Level Engineering (BLE) models, master plans, drainage studies and reports, citizen drainage complaint reports, storm damage reports, field survey data, as-built information, other relevant data within the study area, etc.
 - (2) When referencing within the report/progress reports, cite specific figures/data to ensure that these past reports are being properly incorporated and can be verified by TWDB.
 - (3) Data collected will be utilized for modeling efforts. All information from this task will be referenced, cited, and included in the Report deliverable package.
 - (4) Deliverables must include Data Collection correspondence, reports and studies, and a memo summarizing the data collected.

Task 3. Survey/Field Work

- a. Create a map of the areas to be inspected during field visit and key information the team needs to capture in the field. It is anticipated this will be field visit for localized measurement of drainage infrastructure and not subcontracted RPLS surveying.
- b. Deliverables must include a Survey report and files.

Task 4. Coordination with Applicable Regional Flood Planning Groups and Overlapping Projects

- a. Coordinate with groups as such Regional Flood Planning Groups (RFPGs), FEMA, and other organizations who may be conducting similar studies within the study area.
- b. Efforts to seek out overlapping projects and coordination must be documented.
- c. Duplicate efforts will not be allowed. Any work of this nature will not be compensated as part of this study. Should there be any duplicate study efforts identified, Consultant will immediately contact TWDB to resolve the issue.
- d. Data must be shared with any surrounding and/or related FIF projects. Data requests from organizations outside of TWDB must be coordinated with TWDB staff.
- e. Communication with applicable RFPGs is required.
- f. Deliverables must include documentation regarding this coordination.

Task 5. Hydrologic Analysis

- a. The total square miles to be evaluated is approximately 257, the size of Rains County (See attached Exhibit A).
- b. The Contractor must utilize HEC-HMS version 4.8 or newer.
 - (1) Provide justification for use of other Hydrologic analysis software. Additional QA/QC reporting and model result demonstrations will be required.
 - (2) Third party reviewers for non-HEC models may be required.
- c. Must utilize best-available data for modeling.
- d. Must utilize National Oceanic and Atmospheric Administration (NOAA) Atlas 14 or newer rainfall data.
- e. Analysis should include the 20%, 10%, 1%, and 0.2% annual chance flood events.
- f. Deliverables must include HEC-HMS models and a detailed section describing hydrologic analysis results in Report deliverable.

Task 6. Hydraulic Analysis

- a. Identify the areas of analyses for up to eight (8) locations based on the Task 5 output. Areas of further evaluation for FMP development must be approved by the Community.
- b. Any updates by the Contractor must utilize HEC-RAS version 6.1 or newer.
 - (1) Provide justification for the use of other Hydraulic analysis software. Additional QA/QC reporting and model result demonstrations will be required.
 - (2) Third party reviewers for non-HEC models may be required.
- c. Must utilize best-available data for modeling.
- d. Analysis should include the 20%, 10%, 1%, and 0.2% annual chance flood events.
- e. Deliverables must include HEC-RAS models and a detailed section describing hydraulic analysis results in Report deliverable.

Task 7. Identification of Flood Problem Areas

- a. Identify areas of high flood risk to life and property based on areas of interest provided by Community, which has a history of flooding,
- b. Create table identifying characteristics of the flood problem area (in table form, example: structures/ population/ infrastructure in flood hazard area, low water crossings, loss of life/property).
- c. Identify a minimum of eight (8) possible FMXs for consideration to proceed to Alternatives Analysis.
- d. Participate with TWDB and Community in selection of FMXs as a subset of those prepared in task 7.c to be considered in Task 8 Alternatives Analysis.

- e. Deliverables must include GIS files and a PDF map of the 1% and 0.2% annual chance flood events at a minimum. If FMPs are developed for storm events less than a 1% event, develop map for smaller events.
- f. The deliverables must also include a Flood Problem Areas description memo identifying problem, location and determination regarding FMX projects selected for Alternatives Analysis.

Task 8. Alternatives Analysis

- a. Provide a list/table of alternative solutions with a brief description of each proposed alternative identified in Task 7. A minimum of eight (8) alternatives have been planned for evaluation of potential projects under this Drainage Master Plan scope.
 - (1) Identify all alternatives analyzed per location, even those deemed impractical.
- b. Reporting results:
 - (1) Describe the results of implementing each of the alternative solutions. The results will include maps detailing structures affected, and existing and proposed inundation extents.
 - (2) Display roadway miles impacted.
 - (3) Display existing and proposed inundation extents/depth difference grid for the analyzed event.
 - (4) Highlight any local and watershed wide impacts on a GIS map.
- c. Produce a one-page fact sheet for solution alternatives describing the solution and all assumptions and constraints.
 - (1) Include a GIS map of alternative(s) – ensure each alternative is clearly displayed (pipe sizes, detention basin extents/contours, channel improvement extents/contours, etc.)
 - (2) Include benefits, costs, assumptions, and constraints (Permitting, ROW, Property that needs to be required, utility conflicts).
- d. Identification of water supply benefit, if any, or each alternative recommended.
- e. Provide a Spreadsheet entry consistent with the latest "Technical Guidelines for Regional Flood Planning," Exhibit C to Regional Flood Planning Grant Contracts.
- f. Provide a Geodatabase entry consistent with the latest "Data Submittal Guidelines for Regional Flood Planning," Exhibit D to Regional Flood Planning Grant Contracts.
- g. Each feasible flood mitigation alternative evaluated must identify and compare cost and benefits of projects. Quantification of cost will include engineering, permitting, easement and/or property acquisition, capital cost, operation and maintenance, and other costs as applicable. Quantification of benefit of the project will include the following items:
 - (1) Number of structures with reduced 100-year (1% annual chance) flood risk.
 - (2) Number of structures removed from 100-year (1% annual chance) flood risk.
 - (3) Number of structures removed from 500-year (0.2% annual chance) flood risk.
 - (4) Residential structures removed from 100-year (1% annual chance) flood risk.

- (5) Estimated population removed from 100-year (1% annual chance) flood risk.
- (6) Critical facilities removed from 100-year (1% annual chance) flood risk (#).
- (7) Emergency facilities removed 100-year (1% annual chance) flood risk (#)
- (8) Number of low water crossings removed from 100-year (1% annual chance) flood risk (#).
- (9) Estimated length of roads removed from 1% annual flood risk (miles)
- (10) Estimated reduction in road closure occurrences.
- (11) Estimated length of roads removed from 100-year flood risk (miles).
- (12) Estimated farm and ranch land removed from 100-year flood risk (acres).
- (13) Estimated farm and ranch land at 100-year flood risk (acres) should only include farm and ranch land that are negatively impacted by flooding events and should not include land that benefits from floodplains (e.g., rice fields).
- (14) Estimated reduction in fatalities (if available).
- (15) Estimated reduction in injuries (if available).
- (16) Pre-project level-of-service
- (17) Post-project level-of-service
- (18) Cost/structure removed
- (19) Percent nature-based solution (by cost)
- (20) Negative impact (Y/N)
- (21) Negative impact mitigation (Y/N)
- (22) Texas F-SVI
- (23) Water supply benefit (Y/N)
- (24) Benefit-cost ratio

- h. Include FMP and FMS feature classes and appropriate tables for all recommended FMEs based on a Geodatabase entry consistent with the latest "Data Submittal Guidelines for Regional Flood Planning," Exhibit D to Regional Flood Planning Grant Contracts.
- i. Include FMP and FMS One Page Summary for all recommended FMEs and FMSs as described in Task Item 8.c., above.
- j. The recommended flood risk reduction solutions must have no negative effect on neighboring areas in accordance with statutory requirements for regional flood plans (Texas Water Code § 16.062(i) and (j)(2)). Recommended flood risk reduction solutions, including flood mitigation projects, must meet the definition and requirements regarding no negative effect as identified in Exhibit C to the Regional Flood Planning Grant Contracts. The flood mitigation projects identified from this FME study must comply with 'no negative effect' in order to be included in the regional flood plans.
- k. The Contractor must perform a Benefit-Cost Analysis for all feasible FMP alternatives.
 - (1) Existing- and proposed-conditioned hydraulic models must be provided.
 - (2) The Report deliverable to include summary of assumptions, inputs, and analysis results.
- l. Deliverables must include a List/Table of Alternative Solutions considered and a list of all Alternative Solutions selected. For the Alternative Solutions selected for analysis, deliverables must include:
 - Maps of Alternatives Solutions Results
 - a One-Pager Fact Sheet for each Alternative Solution analyzed

- completed associated Exhibit C Tables (12-14, as applicable)
 - an Exhibit D Geodatabase with completed associated feature classes and/or tables (Tables 12-16, as applicable)
 - a complete No Negative Impact Table
 - Benefit-Cost Analysis Calculations.
- m. For the recommended solution at each AOI, develop a preliminary scope of work for a Preliminary Engineering Report, including critical tasks such as environmental assessment and permitting, right-of-way acquisition, utility relocation, and additional detailed H&H analysis that will be required to implement the project.

Task 9. Community Outreach

- a. A minimum of one (1) Public Meeting must be conducted to engage the community during the study.
- b. The Public Meeting must occur after the identification of problem areas, identifying feasible FMXs, and after meeting with the sponsoring community. The public meeting must inform people of the study, how the study outcome is expected to benefit the community, and to gather any additional study-related information the public may have, including locations of flood risk.
 - (1) Provide hard copy maps for communities to engage and comment on. Communicate any identified flood risks in the study area, present the identified FMXs, discuss how the study outcome will benefit the community, and receive feedback.
 - (2) Provide ability for attendees to review draft findings.
- c. Deliverables will include Public Meeting Notices, Public Meeting Sign-In Sheets, Presentation Materials, and Community Feedback information.

Task 10. QC/Model Validation

- a. Report must be submitted demonstrating internal QC/model validation efforts for this Contract's models, including calibration data used, if any.
 - (1) Document reviewer comments, responses, and confirmation that comments were addressed.
- b. Report must be submitted demonstrating response to Third Party QA/QC comments for this Contract's models, mapping and geodatabase.
 - (1) Document reviewer comments, responses, and confirmation that comments were addressed.
- c. Deliverables will include QA/QC reports and documentation regarding the addressed comments.

Task 11. Reporting

- a. Must submit Draft Report and Final Report to TWDB, RFPG, and Community for review.
 - (1) Allow for additional time for review and revisions between Draft Report and Final Report submittals.
 - (2) Draft and Final Reports must be submitted via physical hard drive. All report submittals must include a succinct executive summary.
- b. All data and tables must follow instructions and templates provided in Exhibits C and D from the Regional Flood Planning Group (RFPG) Contract Documents.
- c. The Draft and Final reports must meet the requirements of the most recent version of the TWDB report template, as posted on the agency website.
- d. The final report must include a succinct Executive Summary identifying the purpose, methodology, key findings and recommendations of the study.
- e. The Draft and Final reports must meet accessibility requirements, as posted on the agency website.
- f. The Final report must be submitted via mail after gaining approval from TWDB that the Draft report has been sufficiently updated to satisfy all review requirements.

Task and Expense Budget

TASK BUDGET

Note: Add as many tasks as appropriate for this study*

TASK	DESCRIPTION	AMOUNT
1	Project Management and Meetings	\$60,000.00
2	Data Collection and Review	\$12,000.00
3	Survey/Field Work	\$38,000.00
4	Coordination with applicable Regional Flood Planning Groups and overlapping projects	\$13,000.00
5	Hydrologic Analysis	\$106,000.00
6	Hydraulic Analysis	\$130,000.00
7	Identification of Flood Problem Areas	\$43,000.00
8	Alternatives Analysis	\$211,000.00
9	Community Outreach	\$24,000.00
10	QC/Model Validation	\$20,000.00
11	Reporting	\$43,000.00
TOTAL		\$700,000.00

* Task numbers and names must match the tasks in the *Scope of Work*.

EXPENSE BUDGET

CATEGORY	AMOUNT
Salaries & Wages ¹	\$689,500.00
Travel ²	\$10,000.00
Subcontract Services	-
Other Expenses ³	\$500.00
TOTAL	\$700,000.00

¹ Salaries and Wages is defined as the cost of salaries of engineers, draftspersons,

stenographers, surveyors, clerks, laborers, etc., for time directly chargeable to this application.

² Travel is limited to the maximum amounts authorized for state employees by the General Appropriations Act, Tex. Leg. Regular Session, 2011, Article IX, Part 5, as amended or superseded

³ Other Expenses is defined to include expendable supplies, communications, reproduction, and postage directly chargeable to this application.