

**Region 2 Lower Red-Sulphur-Cypress Regional Flood Planning Group
Meeting**

October 6, 2022

2:00 pm

at

Ark-Tex Council of Governments,

Transportation Facility,

240 SE 10th Street, (Building 5),

Paris, TX 75460

or

Via teleconference/webinar

Use the following information to register for the meeting:

<https://us06web.zoom.us/meeting/register/tZlvfuuprzMiHNOJsG28VFfIWQkRmfMT83v8>

after registering, you will receive a confirmation email containing information about joining the meeting.

If you experience issues while registering or do not have access to a computer, please contact Paul Prange no less than two (2) workdays prior to the meeting at 903.255.3519 or pprange@atcog.org.

Agenda:

1. Call to Order
2. Welcome
3. Confirmation of attendees / determination of quorum
4. Public Comments – limit 3 minutes per person
5. *Consider approval of minutes for the meetings held on September 1, 2022, and September 22, 2022
6. *Consider approval of invoices submitted by Halff Associates, Inc. and the Ark-Tex Council of Governments
7. *Consider approval of an application submitted by Mr. David Weidman, to serve as a voting member on the Region 2 Flood Planning Group, representing the category of *Water Districts*

Presentations

8. Texas Water Development Board Update
9. Region 1 Canadian-Upper Red Regional Flood Planning Group Update

Technical Consultant Update

10. Technical Presentation by Halff Associates, Inc.
 - Update on Draft Regional Flood Plan
 - i. Review any comments received
 - Update on Task 12- Perform Identified FME, Identify, Evaluate, and Recommend Additional FMPs
 - ii. Review revised Technical Consultant (TC) recommendations
 - iii. Discuss Potential FMPs for City of Paris and Atlanta
 - iv. *Discussion/Action on TC recommended list

- Review upcoming meeting schedule
 - v. Select December meeting date

Other Business

11. Update from Planning Group Sponsor
12. Consider date and agenda items for next meeting
13. Adjourn

***Denotes Action Items**

If you wish to provide written comments prior to or after the meeting, please email your comments to pprange@atcog.org and include “Region 2 RFPG Meeting” in the subject line of the email – OR – you may mail your comments to Region 2 RFPG, c/o ATCOG – Paul Prange, 4808 Elizabeth St, Texarkana, TX 75503.

If you wish to provide oral public comments at the meeting, please submit a request via email to pprange@atcog.org, include “Region 2 RFPG Meeting Public Comment Request” at least 2 hours prior to the meeting, and follow the registration instructions at top of page 1 of the Agenda.

Additional information may be obtained from: www.texasfloodregion2.org, or by contacting Paul Prange at pprange@atcog.org, 903-832-8636, -or- Region 2 RFPG, c/o ATCOG, 4808 Elizabeth St, Texarkana, TX 75503

All meeting agendas and notices will be posted on our website at www.texasfloodregion2.org. If you wish to be notified electronically of RFPG activities, please submit a request to pprange@atcog.org, include “Request for notification of Region 2 RFPG activities”. This request will be honored via email only unless reasonable accommodations are needed.

Meeting Minutes
Region 2 Lower Red-Sulphur-Cypress Flood Planning Group Meeting
September 1, 2022
2:00 p.m.

**Northeast Texas Community College, Community Room – (Hum 101), 2866 FM 1735, Chapel Hill Road,
Mount Pleasant, TX and Via Zoom Webinar/Teleconference**

Roll Call:

| <u>Voting Member</u> | <u>Interest Category</u> | <u>Present (x) /Absent () / Alternate Present (*)</u> |
|-------------------------------|-------------------------------|--|
| Preston Ingram (William) | Agricultural interests | |
| Andy Endsley | Counties | X |
| W. Greg Carter | Electric generating utilities | X |
| Laura-Ashley Overdyke | Environmental interests | X |
| | | |
| Casey Johnson | Industries | |
| Dustin Henslee | Municipalities | X |
| Troy Hudson | Public | |
| R. Reeves Hayter | River authorities | X |
| Kelly Mitchell | Small business | |
| Joseph W. Weir III (resigned) | Water districts | |
| Susan Whitfield | Water utilities | X |

| <u>Non-voting Member</u> | <u>Agency</u> | <u>Present(x)/Absent()/ Alternate Present (*)</u> |
|--------------------------|---|--|
| James (Clay) Shipes | Texas Parks and Wildlife Department | |
| Andrea Sanders | Texas Division of Emergency Management | X |
| Darrell Dean | Texas Department of Agriculture | |
| Tony Resendez | Texas State Soil and Water Conservation Board | X |
| Trey Bahm | General Land Office | |
| Anita Machiavello | Texas Water Development Board (TWDB) | X |
| Michelle Havelka | Texas Commission on Environmental Quality | |
| Darlene Prochaska | USACE, Fort Worth District | |
| Travis Wilsey | USACE, Tulsa District | |
| Randy Whiteman | RFPG 1 Liaison | |
| Richard Brontoli | Red River Valley Association | X |
| Jason Dupree | TxDOT – Atlanta District | |
| Dan Perry | TxDOT – Paris District | |

Quorum:

Quorum: **Yes**

Number of voting members or alternates representing voting members present: **6**

Number required for quorum per current voting membership of **9: 5**

Other Meeting Attendees: **

Chris Brown - ATCOG

Kathy McCollum - ATCOG

Paul Prange – ATCOG

Joshua McClure – Halff Associates Team

David Rivera – Halff Associates Team

Parker Moore – Halff Associates Team

James Bronikowski – TWDB

Clay Barnett – Grayson County Engineer

**Meeting attendee names were gathered from those who entered information for joining the Zoom meeting.

All meeting materials are available for the public at:

<http://www.twdb.texas.gov/flood/planning/regions/schedule.asp>.

AGENDA ITEM NO. 1: Call to Order

Reeves Hayter called the meeting to order at 2:05 p.m.

AGENDA ITEM NO. 2: Welcome

Reeves Hayter welcomed members and attendees to the Region 2 Lower Red-Sulphur-Cypress Flood Planning Group meeting.

AGENDA ITEM NO. 3: Confirmation of attendees / determination of a quorum

Reeves Hayter asked ATCOG staff member, Paul Prange, to conduct a roll call of attendees. Each present voting and non-voting member of the Region 2 Lower Red-Sulphur-Cypress RFPG introduced themselves, establishing that a quorum had been met. Six voting members were present and four non-voting members were also present.

AGENDA ITEM NO. 4: Public comments – limit 3 minutes per person

Reeves Hayter opened the floor for public comments. No public comments were received.

AGENDA ITEM NO. 5: *Consider approval of minutes for the meetings held Thursday, July 7, 2022 and Thursday, July 21, 2022.

Reeves Hayter opened the floor for discussion and approval of the minutes from the previous meetings. A motion was made by Andy Endsley and was seconded by Greg Carter to approve the minutes as presented. The motion carried unanimously.

PRESENTATIONS

AGENDA ITEM NO. 6: Texas Water Development Board Update:

Reeves Hayter turned the floor over to Anita Machiavello who encouraged the members of the flood planning group to revisit the TWDB website and review the newsletters which contain guidance relating to the regional flood plans. Ms. Machiavello also mentioned that emails have been sent out from TWDB regarding sub-contract amendments and another newsletter is being developed at this time.

AGENDA ITEM NO. 7: Region 1 Canadian-Upper Red Regional Flood Planning Group Updates:

Reeves Hayter asked for any updates relating to Region 1 flood planning activities. Joshua McClure announced that Region 1 is on approximately the same schedule as Region 2 and did not have any additional information to share.

TECHNICAL CONSULTANT UPDATE

AGENDA ITEM NO. 8: Technical Presentation by Halff Associates, Inc.

AGENDA ITEM NO. 9: Presentation of the Draft Regional Flood Plan:

- a. **Accept Public Comments on the Draft Regional Flood Plan**
- b. **Review Previously Submitted Public Comments**
- c. **Schedule**

Reeves Hayter turned the floor over to Joshua McClure who began discussion of the Draft Regional Flood Plan. Mr. McClure announced that one member of the public was present at this meeting via webinar and introduced Mr. Clay Barnett, Grayson County Engineer. Mr. McClure stated that he and Mr. Barnett had discussed the regional flood plan during the past two months and asked Mr. Barnett to provide comments on the plan. Mr. Barnett stated that he would continue to be involved with the development of the plan and asked where it could be viewed and if any changes could be made in the future. Mr. McClure announced that the Draft Regional Flood Plan is available for viewing at the Sherman, TX City Hall and on the Region 2 Flood Planning Group's website www.texasfloodregion2.org. Reeves Hayter mentioned that the Floodplain Quilt is also available on the Region2 website. Mr. McClure announced that the Draft Regional Flood Plan is due to TWDB in January of 2023 and that no substantial changes would be made before that time. However, the TWDB has allocated additional funds for an addendum to the plan which can be utilized next year for the purpose of adding projects to the Draft Regional Flood Plan.

Joshua McClure conducted a slide presentation summarizing the Draft Regional Flood Plan and stated that the Lower Red-Sulphur-Cypress Region is comprised of 20 counties covering an area of 9,188 square miles, of which, 22% is located within the 1% annual chance floodplain. Mr. McClure presented a Regional Flood Planning Overview pertaining to: Task 1 – Planning Area Description; Task 2A – Existing Condition Flood Risk Analyses; Task 2B – Future Condition Flood Risk Analyses; Task 3A – Evaluation and Recommendations on Floodplain Management Practices; Task 3B – Flood Mitigation and Floodplain Management Goals; Task 4A – Flood Mitigation Needs Analysis; Task 4B – Identification and Evaluation of Potential Flood Management Evaluations and Potentially Feasible Flood Management Strategies and Flood Mitigation Projects; Task 4C – Prepare and Submit Technical Memorandum; Task 5 – Recommendation of Flood Management Evaluations and Flood Management Strategies and Associated Flood Mitigation Projects; Task 6A – Impacts of Regional Flood Plan; Task 6B – Contributions to and Impacts on Water Supply Development and the State Water Plan; Task 7 – Flood Response Information and Activities; Task 8 – Administrative, Regulatory, and Legislative Recommendations; Task 9 – Flood Infrastructure Financing Analysis; Task 10 – Public Participation and Plan Adoption; Task 11 – Outreach and Data Collection to Support Tasks 1-9; Task 12 – Perform Identified Flood Management Evaluations, Identify, Evaluate, and Recommend Additional Flood Mitigation Projects; Task 13 – Preparation and Adoption of the Amended Regional Flood Plan. Discussion took place among the group.

Joshua McClure asked David Rivera to comment on Recommended Floodplain Management Standards, the Goals Summary, and Non-Structural Floodplain Management Practices. Mr. Rivera also announced that 66 FMEs, 79 FMSs, and 3 FMPs have been identified within Region 2 and described the process that was utilized to make these recommendations. Discussion took place among the group and Mr. Barnett commented on floodplain regulations in Grayson County. Mr. McClure and Mr. Barnett discussed flood loss in Grayson County, as well. Mr. McClure asked Tony Resendez (TSSWCB) to provide information relating to NRCS Dam Classifications (Risk Assessment) due to new downstream development. Additional Discussion took place among the group relating to dams and funding. Reeves Hayter stated that Region 1 will conduct their public meeting in Childress, TX on September 7, 2022 and the Sabine group will conduct their public meeting in Longview, TX on September 26, 2022.

Joshua McClure presented a schedule of upcoming activities; October 1 – Draft Regional Flood Plan closes for public comments; September – Technical Committee to consider which FMEs to perform; October 6 – RFPG2 Meeting (Vote on FME recommendations from Technical Committee); October 31 – Receive TWDB Comments; Late November – Submit Final Draft of Regional Flood Plan to RFPG; December – RFPG Meeting to vote to approve RFP; January 7 – Submit RFP to TWDB.

OTHER BUSINESS

AGENDA ITEM NO. 10: Update from Planning Group Sponsor

Reeves Hayter turned the floor over to Chris Brown who announced that the ATCOG sub-contract has been submitted to TWDB for review and approval, and the invoices from the technical consultants and ATCOG have also been submitted to TWDB for reimbursement. Mr. Brown thanked Anita Machiavello for her assistance during this process.

AGENDA ITEM NO. 11: Consider date and agenda items for next meeting

Reeves Hayter opened the floor for discussion. The Region 2 RFPG board members agreed to conduct a Technical Advisory Committee Meeting on Thursday, September 22, 2022 at 10:00 a.m. and the next full board meeting on Thursday, October 6, 2022 at 2:00 p.m. at the ATCOG Transportation Facility in Paris, TX and via webinar/teleconference.

AGENDA ITEM NO. 12: Adjourn

The meeting was adjourned at 3:37 p.m. by Reeves Hayter.

Approved by the Region 2 Lower Red-Sulphur-Cypress RFPG at a meeting held on 10/06/2022.

Reeves Hayter, CHAIR

Meeting Minutes
Region 2 Lower Red-Sulphur-Cypress Flood Planning Group
Technical Advisory Sub-Committee Meeting
September 22, 2022
10:00 a.m.

**Ark-Tex Council of Governments, Transportation Facility, 240 SE 10th Street, (Building 5), Paris, TX and
Via Zoom Webinar/Teleconference**

Roll Call:

| <u>Voting Member</u> | <u>Interest Category</u> | <u>Present (x) / Absent () / Alternate Present (*)</u> |
|-------------------------------|-------------------------------|---|
| Preston Ingram (William) | Agricultural interests | |
| Andy Endsley | Counties | X |
| W. Greg Carter | Electric generating utilities | X |
| Laura-Ashley Overdyke | Environmental interests | X |
| | | |
| Casey Johnson | Industries | |
| Dustin Henslee | Municipalities | X |
| Troy Hudson | Public | |
| R. Reeves Hayter | River authorities | X |
| Kelly Mitchell | Small business | |
| Joseph W. Weir III (resigned) | Water districts | |
| Susan Whitfield | Water utilities | |

| <u>Non-voting Member</u> | <u>Agency</u> | <u>Present(x)/Absent()/ Alternate Present (*)</u> |
|--------------------------|---|--|
| James (Clay) Shipes | Texas Parks and Wildlife Department | |
| Andrea Sanders | Texas Division of Emergency Management | |
| Darrell Dean | Texas Department of Agriculture | |
| Tony Resendez | Texas State Soil and Water Conservation Board | |
| Trey Bahm | General Land Office | |
| Anita Machiavello | Texas Water Development Board (TWDB) | X |
| Michelle Havelka | Texas Commission on Environmental Quality | |
| Lisa M. Mairs | USACE, Galveston District | |
| Travis Wilsey | USACE, Tulsa District | |
| Randy Whiteman | RFPG 1 Liaison | |
| Richard Brontoli | Red River Valley Association | X |
| Jason Dupree | TxDOT – Atlanta District | |
| Dan Perry | TxDOT – Paris District | |

Quorum:

Quorum: **Yes**

Number of voting members or alternates representing voting members present: **5**

Number required for quorum per current voting membership of **5: 3**

Other Meeting Attendees: **

Chris Brown - ATCOG

Kathy McCollum - ATCOG

Paul Prange – ATCOG

Joshua McClure – Halff Associates Team

David Rivera – Halff Associates Team

Parker Moore – Halff Associates Team

**Meeting attendee names were gathered from those who entered information for joining the Zoom meeting.

All meeting materials are available for the public at:

<http://www.twdb.texas.gov/flood/planning/regions/schedule.asp>.

AGENDA ITEM NO. 1: Call to Order

Reeves Hayter called the meeting to order at 10:02 a.m.

AGENDA ITEM NO. 2: Confirmation of attendees / determination of a quorum

Reeves Hayter announced that all five members of the Technical Advisory Sub-Committee for the Region 2 Flood Planning Group were present, establishing that a quorum had been met.

AGENDA ITEM NO. 3: Public comments – limit 3 minutes per person

Reeves Hayter opened the floor for public comments. No public comments were received.

TECHNICAL CONSULTANT UPDATE

AGENDA ITEM NO. 4: Technical Presentation by Halff Associates, Inc.

- a. **Task 12 – Perform Identified FME, Identify, Evaluate, and Recommend Additional FMPs**
- b. **Preliminary Technical Consultant (TC) recommendations**
- c. ***Sub-Committee reviews and confirms/rejects TC recommendations**
- d. ***Sub-Committee considers vote to adopt the recommended actions (additional FMPs) to the RPG**

Reeves Hayter turned the floor over to Joshua McClure who began discussion of the proposed FMEs being recommended for elevation to FMPs. Mr. McClure asked David Rivera to present a list of FMEs for recommendation as potential FMPs. Mr. Rivera announced that 12 FMEs have been selected for consideration and 4 or 5 of them are more likely to be selected for elevation to FMP status during the first round of flood planning. The City of Bonham, the City of Nash, the City of Atlanta, the City of DeKalb, and the City of Texarkana all have one or more potential projects that may be feasible to elevate to FMP status. Mr. Rivera stated that the potential project for the City of Paris and one potential project for the City of Atlanta may not be feasible, due to the cost and time constraints. Mr. Rivera asked Dustin Henslee to elaborate on the potential projects for the City of Texarkana and Mr. Henslee stated that he would like to include all the projects, if possible. Brief discussion took place among the group and Reeves Hayter announced that he was not happy with the list of FMEs because only six cities in four counties were included in our twenty-county region. Mr. Hayter also pointed out the cost difference between most of the FMEs on the list compared to the cost estimate for the City of Paris. Additional discussion took place among the group and Mr. McClure stated that he needed to revisit the City of Paris project in order to be considered for inclusion in the list of FMPs. Greg Carter asked about the status of the City of Texarkana FMEs and their current status. Mr. Henslee stated that the FMEs could be elevated to FMPs and ranked the potential projects based upon their significance. Additional discussion took place among the group.

The Region 2 Flood Planning Group Technical Advisory Sub-Committee agreed to select FMEs to be elevated to FMPs based upon their geographical locations, in an effort to include as much of the region as possible. Joshua McClure asked Anita Machiavello about the process of documenting unsuccessful FMPs and Ms. Machiavello stated that there is guidance located in TWDB Exhibit C. Chris Brown asked Ms. Machiavello about funding categories and opportunities in the next 5-Year Regional Flood Plan. Ms.

Machiavello stated that the TWDB has been discussing this and information should be available soon for the regional administrators. Joshua McClure shared some information that he received from the American Flood Coalition regarding Legislative Budget Discussions. The State of Texas currently has a vast surplus of funds that could potentially be utilized for flood planning purposes over the next several years. Mr. McClure then summarized the process that he would utilize to revise the list of FMEs for consideration to be elevated to FMP status for recommendation to the Region 2 Flood Planning Group Board of Directors for approval. Discussion took place among the group. Mr. McClure stated that he would provide a revised list of FMEs prior to the next Region 2 Flood Planning Group meeting. The Technical Advisory Sub-Committee agreed to present the revised list of FMEs to the Region 2 Board for approval at the next meeting in October.

OTHER BUSINESS

AGENDA ITEM NO. 5: Update from Planning Group Sponsor

Reeves Hayter turned the floor over to Chris Brown who announced that ATCOG had no updates to provide at this time.

AGENDA ITEM NO. 6: Consider date and agenda items for next meeting

Reeves Hayter opened the floor for discussion. The group agreed to conduct the next full board meeting on Thursday, October 6, 2022, at 2:00 p.m. at a location to be determined and via webinar/teleconference.

AGENDA ITEM NO. 7: Adjourn

The meeting was adjourned at 11:00 a.m. by Reeves Hayter.

Approved by the Region 2 Lower Red-Sulphur-Cypress RFPG at a meeting held on 10/06/2022.

Reeves Hayter, CHAIR

RFPG PAYMENT REQUEST**PAID**

| | | | |
|---------------------|----|------------|-----------|
| INITIAL ADVANCE #1 | \$ | 182,080.00 | 8/6/2021 |
| PAYMENT REQUEST #2 | \$ | 240,797.53 | 4/30/2022 |
| PAYMENT REQUEST #4 | \$ | 52,943.62 | 9/7/2022 |
| PAYMENT REQUEST #5 | \$ | 100,117.31 | 9/7/2022 |
| PAYMENT REQUEST #6 | \$ | 79,081.14 | |
| PAYMENT REQUEST #7 | \$ | 76,595.51 | |
| PAYMENT REQUEST #8 | \$ | 139,235.19 | |
| PAYMENT REQUEST #9 | | | |
| PAYMENT REQUEST #10 | | | |

HALFF INVOICES**PAID**

| | | | | |
|----------|----------|----|------------|------------|
| 7/26/21 | 10056079 | \$ | 100,447.84 | 8/13/2021 |
| 8/20/21 | 10057507 | \$ | 63,765.24 | 9/10/2021 |
| 9/15/21 | 10058803 | \$ | 67,885.57 | 9/30/2021 |
| 10/22/21 | 10061033 | \$ | 52,943.62 | 11/5/2021 |
| 12/16/21 | 10064026 | \$ | 97,752.58 | 12/22/2021 |
| 2/22/22 | 10067691 | \$ | 74,050.87 | 4/22/2022 |
| 6/24/22 | 10075079 | \$ | 35,709.88 | 7/26/2022 |
| 3/23/22 | 10069153 | \$ | 74,353.26 | 9/2/2022 |
| 5/18/22 | 10072760 | \$ | 131,385.99 | 9/2/2022 |
| 6/24/22 | 10075079 | \$ | 35,709.88 | |

ATCOG EXPENSES

| | | |
|--------------------|----|----------|
| 2/1/21 - 9/30/21 | \$ | 8,698.89 |
| 10/1/21 - 11/30/21 | \$ | 2,364.73 |
| 12/1/21 - 1/31/22 | \$ | 5,030.27 |
| 2/1/22 - 2/28/22 | \$ | 2,242.24 |
| 3/1/22 - 4/30/22 | \$ | 7,849.21 |
| 5/1/22 - 5/31/22 | \$ | 5,322.90 |
| 6/1/22 - 6/30/22 | \$ | 3,286.99 |
| 7/1/22 - 7/31/22 | \$ | 3,003.39 |
| 8/1/22 - 8/31/22 | \$ | 1,983.88 |

ARK-TEX Council Of Governments

Statement of Revenues and Expenditures - REGIONAL FLOOD PLANNING

From 10/1/2020 Through 9/30/2022

| | Current Period Actual | Current Period Budget - Original |
|---|-----------------------------|-------------------------------------|
| | <u> </u> | <u> </u> |
| Operating Revenue | | |
| Grant Revenue | | |
| STATE FUNDS | | |
| GENERAL | 534,539.53 | 0.00 |
| LOCAL FUNDS | | |
| GENERAL | 105.67 | 0.00 |
| Total Grant Revenue | <u>534,645.20</u> | <u>0.00</u> |
| Total Operating Revenue | <u>534,645.20</u> | <u>0.00</u> |
| Expenditures | | |
| Personnel Expenses | | |
| SALARIES | | |
| GENERAL | 18,967.20 | 0.00 |
| BENEFITS | | |
| GENERAL | 9,273.92 | 0.00 |
| BENEFIT ALLOCATION | | |
| GENERAL | (1,050.17) | 0.00 |
| FICA | | |
| GENERAL | 75.34 | 0.00 |
| Total Personnel Expenses | <u>27,266.29</u> | <u>0.00</u> |
| Program Expenses | | |
| OTHER DIRECT | | |
| GENERAL | 200.00 | 0.00 |
| Total Program Expenses | <u>200.00</u> | <u>0.00</u> |
| Professional Fees | | |
| PROFESSIONAL SERVICES | | |
| GENERAL | 740,992.85 | 0.00 |
| Total Professional Fees | <u>740,992.85</u> | <u>0.00</u> |
| Telephone | | |
| TELEPHONE | | |
| GENERAL | 167.20 | 0.00 |
| Total Telephone | <u>167.20</u> | <u>0.00</u> |
| Occupancy | | |
| RENT | | |
| GENERAL | 1,448.89 | 0.00 |
| COMMUNICATIONS | | |
| GENERAL | 2,029.68 | 0.00 |
| Total Occupancy | <u>3,478.57</u> | <u>0.00</u> |
| Equipment Rental | | |
| COPIER | | |
| GENERAL | 674.03 | 0.00 |
| Total Equipment Rental | <u>674.03</u> | <u>0.00</u> |
| Conferences, Conventions & Meetings | | |
| TRAVEL | | |
| GENERAL | 1,918.95 | 0.00 |
| Total Conferences, Conventions & Meetings | <u>1,918.95</u> | <u>0.00</u> |
| Printing & Publications | | |
| ADVERTISING | | |
| GENERAL | 315.55 | 0.00 |
| Total Printing & Publications | <u>315.55</u> | <u>0.00</u> |
| Other Expenses | | |

ARK-TEX Council Of Governments
Statement of Revenues and Expenditures - REGIONAL FLOOD PLANNING
From 10/1/2020 Through 9/30/2022

| | Current Period Actual | Current Period Budget - Original |
|-------------------------------|--------------------------|-------------------------------------|
| INDIRECT | | |
| GENERAL | 5,577.73 | 0.00 |
| INDIRECT COST ALLOCATION | | |
| GENERAL | (616.47) | 0.00 |
| OTHER EXPENSES | | |
| GENERAL | 56,457.32 | 0.00 |
| Total Other Expenses | 61,418.58 | 0.00 |
| Total Expenditures | 836,432.02 | 0.00 |
| Net Revenue Over Expenditures | (301,786.82) | 0.00 |

ARK-TEX Council Of Governments
 Labor Distribution - REGIONAL FLOOD PLANNING
 516 - Prange
 From 2/1/2021 Through 8/31/2022

| <u>Fund-Grant Code</u> | <u>Employee Name</u> | <u>Pay Date</u> | <u>Hours</u> | <u>Earnings</u> | <u>Payroll Type</u> |
|------------------------|----------------------|-----------------|--------------|-----------------|---------------------|
| 420 | Paul M. Prange | 2/1/2021 | 8.0000 | 207.85 | Regular |
| 420 | Paul M. Prange | 2/12/2021 | 20.0000 | 519.65 | Regular |
| 420 | Paul M. Prange | 3/1/2021 | 16.0000 | 415.72 | Regular |
| 420 | Paul M. Prange | 3/15/2021 | 20.0000 | 519.65 | Regular |
| 420 | Paul M. Prange | 3/29/2021 | 2.0000 | 51.96 | Regular |
| 420 | Paul M. Prange | 4/12/2021 | 12.0000 | 311.79 | Regular |
| 420 | Paul M. Prange | 5/10/2021 | 10.0000 | 259.82 | Regular |
| 420 | Paul M. Prange | 5/24/2021 | 16.0000 | 415.72 | Regular |
| 420 | Paul M. Prange | 6/7/2021 | 1.0000 | 25.98 | Regular |
| 420 | Paul M. Prange | 7/5/2021 | 8.0000 | 207.85 | Regular |
| 420 | Paul M. Prange | 7/19/2021 | 16.0000 | 415.72 | Regular |
| 420 | Paul M. Prange | 8/16/2021 | 11.0000 | 285.80 | Regular |
| 420 | Paul M. Prange | 9/13/2021 | 8.0000 | 207.86 | Regular |
| 420 | Paul M. Prange | 9/27/2021 | 14.0000 | 363.75 | Regular |
| 420 | Paul M. Prange | 10/8/2021 | 2.0000 | 53.29 | Regular |
| 420 | Paul M. Prange | 10/25/2021 | 16.0000 | 451.18 | Regular |
| 420 | Paul M. Prange | 11/8/2021 | 4.0000 | 112.79 | Regular |
| 420 | Paul M. Prange | 11/22/2021 | 16.0000 | 451.18 | Regular |
| 420 | Paul M. Prange | 12/6/2021 | 12.0000 | 338.39 | Regular |
| 420 | Paul M. Prange | 12/20/2021 | 12.0000 | 338.38 | Regular |
| 420 | Paul M. Prange | 1/3/2022 | 16.0000 | 451.18 | Regular |
| 420 | Paul M. Prange | 1/17/2022 | 24.0000 | 676.77 | Regular |
| 420 | Paul M. Prange | 1/31/2022 | 16.0000 | 451.18 | Regular |
| 420 | Paul M. Prange | 2/14/2022 | 16.0000 | 451.18 | Regular |
| 420 | Paul M. Prange | 2/28/2022 | 20.0000 | 563.98 | Regular |
| 420 | Paul M. Prange | 3/14/2022 | 32.0000 | 902.36 | Regular |
| 420 | Paul M. Prange | 3/28/2022 | 24.0000 | 676.77 | Regular |
| 420 | Paul M. Prange | 4/11/2022 | 20.0000 | 563.98 | Regular |
| 420 | Paul M. Prange | 4/25/2022 | 16.0000 | 451.18 | Regular |
| 420 | Paul M. Prange | 5/9/2022 | 16.0000 | 451.18 | Regular |
| 420 | Paul M. Prange | 5/23/2022 | 20.0000 | 563.98 | Regular |
| 420 | Paul M. Prange | 6/6/2022 | 8.0000 | 225.59 | Regular |
| 420 | Paul M. Prange | 6/20/2022 | 32.0000 | 902.36 | Regular |
| 420 | Paul M. Prange | 7/4/2022 | 12.0000 | 338.39 | Regular |
| 420 | Paul M. Prange | 7/18/2022 | 24.0000 | 676.77 | Regular |
| 420 | Paul M. Prange | 8/1/2022 | 20.0000 | 563.97 | Regular |
| 420 | Paul M. Prange | 8/15/2022 | 16.0000 | 451.18 | Regular |
| Total 420 | | | 556.0000 | 15,316.33 | |

ARK-TEX Council Of Governments
 Labor Distribution - REGIONAL FLOOD PLANNING
 874 - McCollum
 From 2/1/2021 Through 8/31/2022

| <u>Fund-Grant Code</u> | <u>Employee Name</u> | <u>Pay Date</u> | <u>Hours</u> | <u>Earnings</u> | <u>Payroll Type</u> |
|------------------------|----------------------|-----------------|--------------|-----------------|---------------------|
| 420 | Kathy S. McCollum | 2/28/2022 | 9.5000 | 184.20 | Regular |
| 420 | Kathy S. McCollum | 3/14/2022 | 27.0000 | 523.52 | Regular |
| 420 | Kathy S. McCollum | 3/28/2022 | 3.0000 | 58.16 | Regular |
| 420 | Kathy S. McCollum | 4/11/2022 | 8.0000 | 155.12 | Regular |
| 420 | Kathy S. McCollum | 4/25/2022 | 13.5000 | 261.76 | Regular |
| 420 | Kathy S. McCollum | 5/9/2022 | 13.0000 | 252.07 | Regular |
| 420 | Kathy S. McCollum | 5/23/2022 | 7.5000 | 145.42 | Regular |
| 420 | Kathy S. McCollum | 6/6/2022 | 17.0000 | 329.63 | Regular |
| 420 | Kathy S. McCollum | 6/20/2022 | 12.5000 | 242.37 | Regular |
| 420 | Kathy S. McCollum | 7/4/2022 | 8.0000 | 155.12 | Regular |
| 420 | Kathy S. McCollum | 7/18/2022 | 8.0000 | 155.12 | Regular |
| 420 | Kathy S. McCollum | 8/1/2022 | 1.0000 | 19.39 | Regular |
| Total 420 | | | 128.0000 | 2,481.88 | |
| Report Total | | | 690.5000 | 17,952.04 | |



Ark-Tex Council of Governments
 4808 Elizabeth St
 Texarkana, TX 75503

Invoice Date : 6/24/2022
 Invoice # : 10075079
 Project : 43790.001
 Invoice: 9

Attention: Chris Brown

Project Name : Ark-Tex/Lower Red-Sulphur-Cypress RFPG/State Flood Plan

For Professional Services Rendered through May 31, 2022

Re: Ark-Tex/Lower Red-Sulphur-Cypress RFPG/State Flood Plan

| Description | Hours | Hourly Rate | Amount |
|-----------------------------------|------------------|-------------|---------------------|
| Direct Labor | | | |
| Engineer Level 2 | 15.25 | \$ 42.00 | \$ 640.50 |
| Senior Engineer Level 4 | 2.00 | \$ 60.00 | \$ 120.00 |
| Senior Engineer Level 5 | 55.75 | \$ 74.00 | \$ 4,125.50 |
| Senior Planner Level 4 | 0.50 | \$ 53.00 | \$ 26.50 |
| GIS Level 1 | 15.00 | \$ 32.00 | \$ 480.00 |
| Senior GIS Level 3 | 21.00 | \$ 44.50 | \$ 934.50 |
| Senior GIS Level 4 | 0.25 | \$ 56.00 | \$ 14.00 |
| Administrative Senior | 0.50 | \$ 25.09 | \$ 12.55 |
| Subtotal Direct Labor | 110.25 | | \$ 6,353.55 |
| Direct Labor | | | \$ 6,353.55 |
| Overhead on Direct Labor (Fringe) | | 76.20% | \$ 4,841.40 |
| General & Administrative Overhead | | 137.50% | \$ 8,736.12 |
| Subtotal Direct Labor + OH & GA | | | \$ 19,931.07 |
| Profit or Fee | | 10.00% | \$ 1,993.11 |
| Subtotal Total Labor | | | \$ 21,924.18 |
| Delivery | x 1.00 | | \$ - |
| Other Expenses | x 1.00 | | \$ - |
| Mileage | x 0.585 | | \$ - |
| Subtotal Direct Cost | | | \$ - |
| Subconsultants | 13,785.70 x 1.00 | | \$ 13,785.70 |
| Current Invoice Amount | | | \$ 35,709.88 |
| Amount Due this Invoice | | | \$ 35,709.88 |

Amounts Billed to Date:

| | | |
|------------------------------------|-----------|-------------------|
| Contract Amount | \$ | 834,400.00 |
| Prior Billings | \$ | 662,584.97 |
| This Invoice | \$ | 35,709.88 |
| Total Amount Billed to Date | \$ | 698,294.85 |

Remit payment to P.O. Box 678316, Dallas, TX 75267-8316
 Reference Halff Associates Project 043790.001 and Invoice 10075079

Contact Alison Reigel at areigel@halff.com with any billings questions.

PROGRESS REPORT

REGION #2 LOWER RED, SULPHUR, AND CYPRESS REGIONAL FLOOD PLAN

| | | | |
|---|--|----------------------|-----------|
| TO: | Chris Brown | DATE: | 6/24/2022 |
| FROM: | Joshua McClure | AVO: | 43790.001 |
| EMAIL: | jmccclure@halff.com | BILLING DATE: | 6/24/2022 |
| SUBJECT: Region 2 Lower Red, Sulphur, and Cypress Regional Flood Plan May 1, 2022 through May 31, 2022 Effort | | | |

PROJECT UPDATES:

Task 1 – Planning Area Description

- Revised Chapter 1 based on RFPG comments
- Processed ag economic impact and damage data

Task 2A – Existing Condition Flood Risk Analyses

- Revised Chapter 2 based on RFPG comments

Task 2B – Future Condition Flood Risk Analyses

- Revised Chapter 2 based on RFPG comments

Task 3A - Evaluation and Recommendations on Floodplain Management Practices

- Revised based on RFPG comments

Task 3B – Flood Mitigation and Floodplain Management Goals

- Revised based on RFPG comments

Task 4A – Flood Mitigation Needs Analysis

- Revised based on RFPG comments

Task 4B – Identification and Evaluation of Potential Flood Management Evaluations and Potentially Feasible Flood Management Strategies and Flood Mitigation Projects

- Updated cost estimates for FMEs and FMSs.
- Updated Flood Risk Indicators for FMEs, FMPs, and FMSs.
- Updated GIS geodatabase.
- Updated TWDB Tables 12, 13, 14.
- Participated in 2 consultants team meetings: May/6, May/16.

Task 4C – Prepare and Submit Technical Memorandum

- Reviewed TWDB QC comments on Technical Memorandum



1201 North Bowser Road
Richardson, Texas 75081
(214) 346-6200

Task 5 – Recommendation of Flood Management Evaluations and Flood Management Strategies and Associated Flood Mitigation Projects

- Prepared materials and participated in RFPG meeting (May/5, virtually)
- Updated TWDB Tables 15, 16, 17.
- Updated GIS geodatabase.

Task 6A – Impacts of Regional Flood Plan

- Prepared and submitted Chapter 6

Task 6B – Contributions to and Impacts on Water Supply Development and the State Water Plan

- Prepared and submitted Chapter 6

Task 7 – Flood Response Information and Activities

- Prepared and submitted Chapter 7

Task 8 – Administrative, Regulatory, and Legislative Recommendations

- Prepared and submitted Chapter 8

Task 9 – Flood Infrastructure Financing Analysis

- Setup of survey tool.
- Identify Sponsor contact for each entity with recommended FMXs.
- Development of One-Page Summaries for inclusion as link in survey.

Task 10 – Public Participation and Plan Adoption

- Consultant team meetings
- Coordination of and participation in RFPG meetings on May 5 and June 2, 2022
 - RFPG and public reviewed and provided comments on Chapters 6, 7 and 8

UPCOMING ACTIVITIES:

- Lead weekly consultant meetings
- Complete Chapter 10 and Executive Summary
- Finalize Draft Regional Flood Plan
- Prepare for upcoming RFPG meeting on July 7, 2022

PROJECT SCHEDULE:

- Project is currently on schedule
- July 7 meeting will consider the Draft Regional Flood Plan



1201 North Bowser Road
Richardson, Texas 75081
(214) 346-6200

SPECIAL SITUATIONS/CONCERNS ENCOUNTERED OR ANTICIPATED:

1. TWDB will be authorizing \$576,600 more funds for the Lower Red-Sulphur-Cypress FPG. Per their memo, the intent is for the money to primarily be spent next year preparing better floodplain mapping and developing FMEs into FMPs, where possible. This additional work will likely not be included in the initial State Flood Plan to be approved in January 2023, but instead will be included in an amended flood plan due in August 2023. The contracting process for the additional funds is unclear per their memo and needs to be resolved by ATCOG and TWDB. In the meantime, we are proceeding with the scope and schedule that we are currently under contract for, which will not be substantively changed by the additional funding.

This concludes the progress report. Halff's goal is to provide items and the current status of relevant subject matter to satisfy the project requirements. Items and/or current status prepared by Halff are believed to be true and accurate at the time this progress report was prepared. Halff cannot be responsible for the accuracy of items and/or current status reports prepared by others.



Ark-Tex Council of Governments
 4808 Elizabeth St
 Texarkana, TX 75503

Invoice Date : 5/18/2022
 Invoice # : 10072760
 Project : 43790.001
 Invoice: 8

Attention: Chris Brown

Project Name : Ark-Tex/Lower Red-Sulphur-Cypress RFPG/State Flood Plan

For Professional Services Rendered through April 30, 2022

Re: Ark-Tex/Lower Red-Sulphur-Cypress RFPG/State Flood Plan

| Description | Hours | Hourly Rate | Amount |
|-----------------------------------|------------------|-------------|----------------------|
| Direct Labor | | | |
| Engineer Level 2 | 72.00 | \$ 40.00 | \$ 2,880.00 |
| Engineer Level 3 | 0.25 | \$ 48.00 | \$ 12.00 |
| Senior Engineer Level 4 | | \$ 56.00 | \$ - |
| Senior Engineer Level 5 | 100.50 | \$ 73.00 | \$ 7,336.50 |
| Planner Level 2 | | \$ 35.00 | \$ - |
| Senior Planner Level 3 | | \$ 39.13 | \$ - |
| Senior Planner Level 4 | 1.50 | \$ 49.50 | \$ 74.25 |
| Senior Planner Level 5 | | \$ 58.00 | \$ - |
| GIS Level 1 | 32.50 | \$ 27.85 | \$ 905.13 |
| Senior GIS Level 3 | 30.00 | \$ 42.50 | \$ 1,275.00 |
| Administrative Senior | 1.00 | \$ 25.15 | \$ 25.15 |
| Subtotal Direct Labor | 237.75 | | \$ 12,508.02 |
| Direct Labor | | | \$ 12,508.02 |
| Overhead on Direct Labor (Fringe) | | 76.20% | \$ 9,531.11 |
| General & Administrative Overhead | | 137.50% | \$ 17,198.53 |
| Subtotal Direct Labor + OH & GA | | | \$ 39,237.66 |
| Profit or Fee | | 10.00% | \$ 3,923.77 |
| Subtotal Total Labor | | | \$ 43,161.43 |
| Delivery | x 1.00 | | \$ - |
| Other Expenses | x 1.00 | | \$ - |
| Mileage | 225.00 x 0.585 | | \$ 131.63 |
| Subtotal Direct Cost | | | \$ 131.63 |
| Subconsultants | 88,092.92 x 1.00 | | \$ 88,092.92 |
| Current Invoice Amount | | | \$ 131,385.99 |
| Amount Due this Invoice | | | \$ 131,385.99 |

Amounts Billed to Date:

| | | |
|------------------------------------|-----------|-------------------|
| Contract Amount | \$ | 834,400.00 |
| Prior Billings | \$ | 531,198.98 |
| This Invoice | \$ | 131,385.99 |
| Total Amount Billed to Date | \$ | 662,584.97 |

Remit payment to P.O. Box 678316, Dallas, TX 75267-8316
 Reference Halff Associates Project 043790.001 and Invoice 10072760

Contact Alison Reigel at areigel@halff.com with any billings questions.

PROGRESS REPORT

REGION #2 LOWER RED, SULPHUR, AND CYPRESS REGIONAL FLOOD PLAN

TO: Chris Brown
DATE: 5/18/2022

FROM: Joshua McClure
AVO: 43790.001

EMAIL: jmcclure@halff.com
BILLING DATE: 5/18/2022

SUBJECT: Region 2 Lower Red, Sulphur, and Cypress Regional Flood Plan
March 1, 2022 through April 30, 2022 Effort

PROJECT UPDATES:

Task 1 – Planning Area Description

- Revised Chapter 1 based on RFPG comments
- Collected additional agricultural loss data

Task 2A – Existing Condition Flood Risk Analyses

- Revised Chapter 2 based on RFPG comments

Task 2B – Future Condition Flood Risk Analyses

- Revised Chapter 2 based on RFPG comments

Task 3A - Evaluation and Recommendations on Floodplain Management Practices

- Discussed Chapter 3A comments at the March meeting

Task 3B – Flood Mitigation and Floodplain Management Goals

- Discussed Chapter 3B comments at the March meeting

Task 4A – Flood Mitigation Needs Analysis

- Submitted Chapter 4 Draft.

Task 4B – Identification and Evaluation of Potential Flood Management Evaluations and Potentially Feasible Flood Management Strategies and Flood Mitigation Projects

- Refined FME, FMS, FMP areas.
- Updated cost estimates for FMEs and FMSs.
- Updated Flood Risk Indicators for FMEs, FMPs, and FMSs.
- Updated GIS geodatabase.
- Submitted Chapter 4 Draft.

Task 4C – Prepare and Submit Technical Memorandum

- Prepared Tech Memo addendum and submitted to RFPF for review and approval

- Reviewed TWDB QC comments on Technical Memorandum

Task 5 – Recommendation of Flood Management Evaluations and Flood Management Strategies and Associated Flood Mitigation Projects

- Planning and strategy development
- Prepared materials and led Technical Subcommittee meeting (Mar/28, in-person, Mt. Pleasant)
- Updated recommended FME, FMS, FMP tables to capture Technical Subcommittee feedback.
- Presented Technical Subcommittee meeting outcomes and recommendations to RFPG for formal approval.
- Prepared TWDB Tables 15, 16, 17.
- Updated GIS geodatabase.
- Prepared One-Page Summary reports for recommended FME, FMS, and FMP.
- Submitted Chapter 5 Draft..

Task 6A – Impacts of Regional Flood Plan

- Evaluated methodology

Task 6B – Contributions to and Impacts on Water Supply Development and the State Water Plan

- Evaluated methodology

Task 7 – Flood Response Information and Activities

- Obtain data from existing Flood Mitigation Plans
- Submitted draft Chapter 7 and discussed at May meeting

Task 8 – Administrative, Regulatory, and Legislative Recommendations

- Began preparing Chapter 8

Task 9 – Flood Infrastructure Financing Analysis

- Initial research and setup of survey tool.

Task 10 – Public Participation and Plan Adoption

- Consultant team meetings
- Constant Contact updates to stakeholder list
- Emails announcing upcoming RFPG meetings
- Coordination of and participation in RFPG meetings on March 3, April 3, and May 5
 - RFPG and public reviewed and provided comments on Chapters 4, 5, and 7

UPCOMING ACTIVITIES:

- Lead weekly consultant meetings
- Complete and submit Chapters 6, 8 and 9 for submission to the RFPG
- Prepare for upcoming RFPG meeting on May 5 and June 2, 2022

PROJECT SCHEDULE:

- Project is currently on schedule
- June 2 Meeting will discuss Chapter 6,8, and 9
- Draft of RFP will be submitted to the RFPG on June 16 to be voted on at the July 7 meeting

SPECIAL SITUATIONS/CONCERNS ENCOUNTERED OR ANTICIPATED:

1. TWDB will be authorizing \$576,600 more funds for the Lower Red-Sulphur-Cypress FPG. Per their memo, the intent is for the money to primarily be spent next year preparing better floodplain mapping and developing FMEs into FMPs, where possible. This additional work will likely not be included in the initial State Flood Plan to be approved in January 2023, but instead will be included in an amended flood plan due in August 2023. The contracting process for the additional funds is unclear per their memo and needs to be resolved by ATCOG and TWDB. In the meantime, we are proceeding with the scope and schedule that we are currently under contract for, which will not be substantively changed by the additional funding.

This concludes the progress report. Halff's goal is to provide items and the current status of relevant subject matter to satisfy the project requirements. Items and/or current status prepared by Halff are believed to be true and accurate at the time this progress report was prepared. Halff cannot be responsible for the accuracy of items and/or current status reports prepared by others.



Ark-Tex Council of Governments
 4808 Elizabeth St
 Texarkana, TX 75503

Invoice Date : 9/22/2022
 Invoice # : 10081061
 Project : 43790.001
 Invoice: 10

Attention: Chris Brown

Project Name : Ark-Tex/Lower Red-Sulphur-Cypress RFPG/State Flood Plan

For Professional Services Rendered through August 31, 2022

Re: Ark-Tex/Lower Red-Sulphur-Cypress RFPG/State Flood Plan

| Description | Hours | Hourly Rate | Amount |
|-----------------------------------|------------------|-------------|----------------------|
| Direct Labor | | | |
| Engineer (Intern) Level 0 | 7.00 | \$ 26.00 | \$ 182.00 |
| Engineer Level 2 | 57.00 | \$ 43.00 | \$ 2,451.00 |
| Senior Engineer Level 4 | 134.00 | \$ 73.93 | \$ 9,906.62 |
| Senior Engineer Level 5 | 0.75 | \$ 80.00 | \$ 60.00 |
| Planner Level 1 | 0.50 | \$ 34.05 | \$ 17.03 |
| Planner Level 2 | 6.00 | \$ 44.00 | \$ 264.00 |
| GIS Level 1 | 120.50 | \$ 34.00 | \$ 4,097.00 |
| Senior GIS Level 4 | 50.25 | \$ 64.00 | \$ 3,216.00 |
| Administrative Mid Level | 4.00 | \$ 24.67 | \$ 98.68 |
| Administrative Senior | 70.00 | \$ 30.00 | \$ 2,100.00 |
| Subtotal Direct Labor | 450.00 | | \$ 22,392.33 |
| Direct Labor | | | \$ 22,392.33 |
| Overhead on Direct Labor (Fringe) | | 76.20% | \$ 17,062.95 |
| General & Administrative Overhead | | 137.50% | \$ 30,789.46 |
| Subtotal Direct Labor + OH & GA | | | \$ 70,244.74 |
| Profit or Fee | | 10.00% | \$ 7,024.47 |
| Subtotal Total Labor | | | \$ 77,269.21 |
| Delivery | x 1.00 | | \$ - |
| Other Expenses | x 1.00 | | \$ - |
| Mileage | x 0.585 | | \$ - |
| Subtotal Direct Cost | | | \$ - |
| Subconsultants | 34,987.50 x 1.00 | | \$ 34,987.50 |
| Current Invoice Amount | | | \$ 112,256.71 |
| Amount Due this Invoice | | | \$ 112,256.71 |

Amounts Billed to Date:

| | | |
|------------------------------------|----|-------------------|
| Contract Amount | \$ | 834,400.00 |
| Prior Billings | \$ | 698,294.85 |
| This Invoice | \$ | 112,256.71 |
| Total Amount Billed to Date | \$ | 810,551.56 |

Remit payment to P.O. Box 678316, Dallas, TX 75267-8316
 Reference Halff Associates Project 043790.001 and Invoice 10081061

Contact Alison Reigel at areigel@halff.com with any billings questions.

PROGRESS REPORT

REGION #2 LOWER RED, SULPHUR, AND CYPRESS REGIONAL FLOOD PLAN

| | | | |
|-----------------|--|----------------------|-----------|
| TO: | Chris Brown | DATE: | 9/22/2022 |
| FROM: | Joshua McClure | AVO: | 43790.001 |
| EMAIL: | jmclure@halff.com | BILLING DATE: | 9/22/2022 |
| SUBJECT: | Region 2 Lower Red, Sulphur, and Cypress Regional Flood Plan June 1, 2022 through August 31, 2022 Effort | | |

PROJECT UPDATES:**Task 1 – Planning Area Description**

- Revised and completed Chapter 1 based on RFPG comments

Task 2A – Existing Condition Flood Risk Analyses

- Completed Chapter 2 based on RFPG comments

Task 2B – Future Condition Flood Risk Analyses

- Completed Chapter 2 based on RFPG comments

Task 3A - Evaluation and Recommendations on Floodplain Management Practices

- Completed based on RFPG comments

Task 3B – Flood Mitigation and Floodplain Management Goals

- Completed based on RFPG comments

Task 4A – Flood Mitigation Needs Analysis

- Completed based on RFPG comments

Task 4B – Identification and Evaluation of Potential Flood Management Evaluations and Potentially Feasible Flood Management Strategies and Flood Mitigation Projects

- Completed.

Task 4C – Prepare and Submit Technical Memorandum

- Incorporated TWDB QC comments on Technical Memorandum into Draft RFP

Task 5 – Recommendation of Flood Management Evaluations and Flood Management Strategies and Associated Flood Mitigation Projects

- Completed Chapter 5 and addressed RFPG comments.

Task 6A – Impacts of Regional Flood Plan

- Completed Chapter 6A and addressed RFPG comments.

Task 6B – Contributions to and Impacts on Water Supply Development and the State Water Plan

- Completed Chapter 6B and addressed RFPG comments.

Task 7 – Flood Response Information and Activities

- Completed Chapter 7 and addressed RFPG comments.

Task 8 – Administrative, Regulatory, and Legislative Recommendations

- Completed Chapter 8 and addressed RFPG comments.

Task 9 – Flood Infrastructure Financing Analysis

- Completed Chapter 9 and addressed RFPG comments.

Task 10 – Public Participation and Plan Adoption

- Consultant team meetings
- Completed and submitted Draft Regional Flood Plan to RFPG and TWDB
- Provided hard copies of Draft RFP for public review at three locations and digital versions online
- Coordination of and participation in RFPG meetings on June 2, July 7, July 21, August 1, and September 1, 2022
 - Presented Draft RFP to RFPG
 - Held public meeting on Draft RFP

UPCOMING ACTIVITIES:

- Lead weekly consultant meetings
- Technical Committee meeting to consider potential FMEs for evaluation and conversion to FMPs
- Waiting to receive TWDB comments at the end of October
- Prepare for upcoming RFPG meeting on October 6

PROJECT SCHEDULE:

- Project is currently on schedule
- There be a very tight turnaround between TWDB comments and revising the RFP in time for the December meeting.

SPECIAL SITUATIONS/CONCERNS ENCOUNTERED OR ANTICIPATED:

None at this time.

This concludes the progress report. Halff's goal is to provide items and the current status of relevant subject matter to satisfy the project requirements. Items and/or current status prepared by Halff are believed to be true and accurate at the time this progress report was prepared. Halff cannot be responsible for the accuracy of items and/or current status reports prepared by others.

Ark-Tex Council of Governments

Regional Flood Planning

Region 2 - Lower Red, Sulphur, and Cypress Basins

Prime Summary: Half Associates Inc.

| LABOR PER TASK | Budget | May-21 | Jun-21 | Jul-21 | Aug-21 | Sep-21 | Oct-21 | Nov-21 | Dec-21 | Jan-22 | Feb-22 | Mar-22 | Apr-22 | May-22 | Jun-22 | Jul-22 | Aug-22 | Sep-22 | Oct-22 | Nov-22 | Dec-22 | Jan-23 | TOTAL | REMAINING | |
|--|--------------|----------|--------------|-------------|-------------|-------------|-------------|-------------|------------|-------------|-------------|-------------|-------------|-------------|--------|--------|--------------|------------|--------|--------|--------|--------|--------------|--------------|---------------|
| Task Breakdown | | | | | | | | | | | | | | | | | | | | | | | | | |
| Task 1 Planning Area Description | \$45,520.00 | \$262.50 | \$23,490.49 | \$7,602.66 | \$7,911.48 | \$0.00 | \$345.00 | \$138.71 | \$350.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$29.91 | \$0.00 | \$0.00 | \$2,276.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$42,406.75 | \$3,113.25 |
| Task 2A Existing Condition Flood Risk | \$91,040.00 | \$0.00 | \$25,211.45 | \$9,891.08 | \$11,465.66 | \$10,156.68 | \$0.00 | \$18,504.47 | \$0.00 | \$12,342.66 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$87,572.00 | \$3,468.00 |
| Task 2B Future Condition Flood Risk | \$91,040.00 | \$0.00 | \$21,335.67 | \$4,582.50 | \$3,590.08 | \$13,315.66 | \$3,848.00 | \$15,399.17 | \$0.00 | \$23,652.92 | \$0.00 | \$0.00 | \$764.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$86,488.00 | \$4,552.00 |
| Task 3A Floodplain Management Practices | \$18,208.00 | \$0.00 | \$238.86 | \$15,536.75 | \$62.80 | \$1,114.67 | \$0.00 | \$490.96 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$763.76 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$18,207.80 | \$0.20 |
| Task 3B Mitigation & Management Goals | \$9,104.00 | \$0.00 | \$0.00 | \$5,022.75 | \$1,543.00 | \$342.50 | \$830.15 | \$460.71 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$905.29 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$9,104.40 | \$0.40 |
| Task 4A Needs Analysis | \$27,312.00 | \$0.00 | \$121.51 | \$568.97 | \$3,100.00 | \$4,778.09 | \$7,419.50 | \$657.71 | \$0.00 | \$1,512.85 | \$3,882.50 | \$5,246.00 | \$0.00 | \$24.87 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$27,312.00 | \$0.00 |
| Task 4B Identify FME, FMS, FMP | \$136,560.00 | \$0.00 | \$1,874.20 | \$548.00 | \$10,368.28 | \$10,329.21 | \$4,172.00 | \$28,960.36 | \$491.50 | \$9,293.00 | \$18,599.00 | \$34,639.50 | \$7,596.00 | \$4,855.20 | \$0.00 | \$0.00 | \$0.00 | \$1,009.65 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$132,735.90 | \$3,824.10 |
| Task 4C Tech Memo | \$18,208.00 | \$0.00 | \$0.00 | \$0.00 | \$4,873.36 | \$3,945.76 | \$904.00 | \$6,424.79 | \$226.00 | \$435.00 | \$144.29 | \$0.00 | \$418.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$17,371.20 | \$836.80 |
| Task 5 Evaluate/Recommend FME, FMS, FMP | \$182,080.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$17,492.08 | \$46,259.14 | \$8,542.54 | \$46,339.39 | \$1,041.50 | \$0.00 | \$0.00 | \$13,063.25 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$132,737.90 | \$49,342.10 |
| Task 6A Impacts of Regional Plan | \$36,416.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$18,787.07 | \$12,766.93 | \$0.00 | \$0.00 | \$2,907.10 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$34,461.10 | \$1,954.90 |
| Task 6B Contribution/Impacts of Water Supply | \$9,104.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$4,668.50 | \$0.00 | \$0.00 | \$3,490.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$8,158.50 | \$945.50 |
| Task 7 Flood Response Information & Activities | \$9,104.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$3,510.00 | \$2,171.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$5,681.00 | \$3,423.00 |
| Task 8 Admin, Regulatory & Leg Recommendations | \$9,104.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$3,801.58 | \$3,936.42 | \$0.00 | \$0.00 | \$438.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$8,176.00 | \$928.00 |
| Task 9 Flood Infrastructure Finance | \$18,208.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$425.93 | \$4,546.50 | \$0.00 | \$0.00 | \$6,289.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$11,261.43 | \$6,946.57 |
| Task 10 Public Involvement & Plan Adoption | \$150,392.00 | \$0.00 | \$33,204.40 | \$23,822.53 | \$15,869.66 | \$8,961.06 | \$4,457.69 | \$4,739.36 | \$1,358.50 | \$6,896.36 | \$5,468.33 | \$731.50 | \$584.48 | \$0.00 | \$0.00 | \$0.00 | \$22,024.80 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$128,118.67 | \$22,273.33 |
| Task 11 Add. Outreach and Data Collection | \$61,490.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$49,761.67 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Task 12 Perform FME ID Add. FMX | \$345,960.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$10,997.24 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Task 13 Prepare Amended RFO | \$144,150.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| TOTAL | ##### | \$262.50 | \$105,476.58 | \$67,575.24 | \$58,784.32 | \$52,943.63 | \$21,976.34 | \$75,776.24 | \$2,426.00 | \$71,624.87 | ##### | \$49,159.54 | ##### | \$35,709.88 | \$0.00 | \$0.00 | \$112,256.71 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | ##### | \$101,607.35 | |
| Budget Category Breakdown | | | | | | | | | | | | | | | | | | | | | | | | | |
| Salaries & Wages | | \$0.00 | \$79,109.41 | \$6,828.47 | \$9,862.58 | \$10,330.06 | \$0.00 | \$16,105.93 | \$0.00 | \$17,245.88 | \$13,084.96 | \$0.00 | \$12,508.02 | \$6,353.55 | \$0.00 | \$0.00 | \$22,392.33 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$143,821.19 | -\$143,821.19 |
| Fringe | | \$0.00 | \$22,181.37 | \$5,203.29 | \$7,515.29 | \$7,871.51 | \$0.00 | \$12,272.72 | \$0.00 | \$13,141.36 | \$9,970.74 | \$0.00 | \$9,531.11 | \$4,841.40 | \$0.00 | \$0.00 | \$17,062.95 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$109,591.74 | -\$109,591.74 |
| Overhead | | \$0.00 | \$40,025.43 | \$9,389.14 | \$13,561.05 | \$14,203.83 | \$0.00 | \$22,145.66 | \$0.00 | \$23,713.09 | \$17,991.82 | \$0.00 | \$17,198.53 | \$8,736.12 | \$0.00 | \$0.00 | \$30,789.46 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$197,754.12 | -\$197,754.12 |
| Profit | | \$0.00 | \$9,131.62 | \$2,142.09 | \$3,093.89 | \$3,240.54 | \$0.00 | \$5,052.43 | \$0.00 | \$5,410.03 | \$4,104.75 | \$0.00 | \$3,923.77 | \$1,993.11 | \$0.00 | \$0.00 | \$7,024.47 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$45,116.71 | -\$45,116.71 |
| Travel | | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$131.63 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$131.63 | -\$131.63 |
| Other Expenses | | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Subcontractor Services | | \$262.50 | \$5,028.75 | \$44,012.25 | \$24,751.51 | \$17,297.69 | \$21,976.34 | \$20,199.50 | \$2,426.00 | \$12,114.50 | \$29,201.00 | \$49,159.54 | \$38,933.38 | \$13,785.70 | \$0.00 | \$0.00 | \$34,987.50 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$314,136.16 | -\$314,136.16 |
| TOTAL | \$0.00 | \$262.50 | \$105,476.58 | \$67,575.24 | \$58,784.32 | \$52,943.63 | \$21,976.34 | \$75,776.24 | \$2,426.00 | \$71,624.87 | ##### | \$49,159.54 | ##### | \$35,709.88 | \$0.00 | \$0.00 | \$112,256.71 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | ##### | \$810,551.55 | | |
| Retainage | 0% | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| TOTAL | \$0.00 | \$262.50 | \$105,476.58 | \$67,575.24 | \$58,784.32 | \$52,943.63 | \$21,976.34 | \$75,776.24 | \$2,426.00 | \$71,624.87 | ##### | \$49,159.54 | ##### | \$35,709.88 | \$0.00 | \$0.00 | \$112,256.71 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | ##### | \$810,551.55 | | |

DAVID IRL WEIDMAN

*General Manager, Franklin County Water District
P.O. Box 559, Mount Vernon, Texas 75457
903.537.4536, Fax 903.537.4538, e-mail: david.weidman@fcwd.com*

EDUCATION

- ❖ Texas A&M University – Commerce / East Texas State University, B.S., 1985

PROFESSIONAL HISTORY

- ❖ General Manager – Franklin County Water District, October 1999 – present
Duties include managing a Water Control and Improvement District with a \$2,000,000 annual budget, acting as the landlord for 2600 tenants, supervising a staff of 13 employees, operating multiple recreation facilities, directing certified peace officers, and overseeing and controlling a public water supply reservoir.
- ❖ Assistant Manager – Franklin County Water District, July 1998 – October 1999
- ❖ Code Enforcement Officer – Franklin County Water District, December 1994 – July 1998
- ❖ Lake Patrol – Franklin County Water District, January 1993 – December 1994
- ❖ Commissioned Peace Officer – City of Fort Worth, November 1985 – March 1992

Recent accomplishments:

- ❖ Oversaw a multimillion-dollar earthen dam remediation program to the Franklin County Dam
- ❖ Directed multimillion dollar litigation on dam stability issues.
- ❖ Managed unlimited tax bond sale and issuance.
- ❖ Managed record high water level event on Lake Cypress Springs that impacted 1000+ residential units and worked with attorneys and consultants to minimize liability to the District and enhanced building and permitting requirements to lessen flood impacts in future events.
- ❖ Formulated, with the U.S. Army Corps of Engineers, a reservoir wide ecosystem restoration and enhancement program on Lake Cypress Springs.
- ❖ Instituted a water quality monitoring program on Lake Cypress Springs using the exacting standards of the Texas Commission on Environmental Quality clean rivers program.
- ❖ Overhauled the District's Information and Technology process.
- ❖ Instituted a total revamp of the District's method for handling all areas of leasing of lakeside property, including preparation of lease forms, terminations, evictions, registration of leasehold mortgages and estoppel letters.
- ❖ Implemented a public outreach program for the District.

PROFESSIONAL ORGANIZATIONS

- ❖ Texas Water Conservation Association
- ❖ Texas Water Conservation Association Board of Directors
- ❖ Region D, Regional Water Planning Group
- ❖ Texas Aquatic Plant Management Society
- ❖ Red River Valley Association
- ❖ ArkTex Council of Governments

COMMUNITY AND CIVIC

- ❖ Mount Vernon City Council, May 2006 – May 2010
- ❖ Mount Vernon Housing Authority Board of Directors, July 1997
- ❖ Chairman, Mount Vernon Housing Authority Board of Directors, October 2002
- ❖ Foster and Board Member of 501c3 Kitty Cove Rescue
- ❖ Mount Vernon Rotary Club
- ❖ Rotary Youth Exchange Host Parent
- ❖ Member of Northeast Texas Choral Society
- ❖ Board Member, Northeast Texas Choral Society
- ❖ Franklin County Industrial Foundation
- ❖ Mount Vernon Economic Development Corporation
- ❖ Chairman, Mount Vernon Economic Development Corporation
- ❖ Franklin County Chamber of Commerce
- ❖ Parks and Open Spaces Master Plan Committee
- ❖ Main Street City / Tourism Alliance Board Member
- ❖ Franklin County Historical Association

Lower Red-Sulphur-Cypress - FME to FMP Preliminary Candidates (For discussion during RFPG Meeting)

| FME ID | FME Name | Description | Study Type | Sponsor | Estimated Study Cost | Recommended in Draft RFP? | Potential candidate to elevate from FME to FMP? | Data Available to support FMP | Level of Effort to Elevate to FMP | Comments |
|-----------|--|---|--------------------|-------------------|----------------------|---------------------------|---|---|-----------------------------------|--|
| 021000026 | Anderson Creek WWTP Flood Study | WWTP was impacted by flooding from Anderson Creek. Study to evaluate whether existing berm meets 100-year protection and to evaluate the needs for sump pumps and lift station. | Project Planning | City of De Kalb | \$250,000 | Y | YES | None | Moderate | Anderson Creek watershed above WWTP is fairly large but mostly undeveloped. We could prepare HMS model fairly quickly. RAS model could also be relatively simple in the area of the WWTP. Evaluation of berm performance, sump pumps and lift station seem doable. |
| 021000030 | City of Hooks Infrastructure | Widen ditches to increase the volume capacity of flash flood waters | Project Planning | City of Hooks | \$250,000 | Y | Potentially | None | High | We would have to create models from scratch and prove no negative impact, but widening the ditches is likely to increase flows. |
| 021000032 | Cowhorn Creek East | Extend current H&H study limits to the upstream detention pond. Evaluate existing flooding and develop mitigation actions. | Watershed Planning | City of Texarkana | \$250,000 | Y | YES | Engineering Report, Cost Estimates, Study Areas, H&H Models | Low | We need to get models from MTG. We will need to perform BCA. Diamond Circle area. Parker requested models from MTG. |
| 021000040 | City of Atlanta Eleanor St and Red Bluff St. Project/Phase No. 3 | Replace culvert crossings | Project Planning | City of Atlanta | \$61,000 | Y | YES | None | Low | Relatively small project. If existing conditions show water backup behind road embankment, enlarging the culvert could have adverse impacts downstream. If road currently overtops, then we could argue no adverse impacts post-project. |
| 021000041 | City of Atlanta Park View St and Jefferson St. Project/Phase No. 4 | Install culvert crossing | Project Planning | City of Atlanta | \$61,000 | Y | YES | None | Low | Relatively small project. If existing conditions show water backup behind road embankment, enlarging the culvert could have adverse impacts downstream. If road currently overtops, then we could argue no adverse impacts post-project. |
| 021000042 | City of Paris Big Sandy Cr Tribs 4 and 6 Improvements | Re-grade channel downstream of Clarksville Ave. and establish concrete channel upstream of Clarksville Ave. Channel improvements in the upper portion of Tributary 4. Tributary 6 channel improvements and culvert replacement. | Project Planning | City of Paris | \$5,069,000 | Y | Potentially | Engineering Report, Cost Estimates, Study Areas | High | Cobb Fendley prepared Report. Primarily a conveyance project, we may have issues with no negative impacts criteria. RFPG requested considering one of the Tributaries. However, these are potentially unfeasible projects. H&H models are currently unavailable. FME cost in Draft Plan is actually a construction cost. |
| 021000045 | Update to City of Paris Comprehensive Stormwater Plan Study | City of Paris Comprehensive Stormwater Plan projects 1-3 and 5-9: Improve drainage along 5th St., 7th St., Trail de Paris, E. Sycamore, 31st St., Wilburn St., and 4th St. | Project Planning | City of Paris | \$2,589,000 | Y | YES | Master Plan Reports, General Study Areas | High | RFPG requested selecting 1 or 2 projects from Comprehensive Plan. Will require developing new H&H models. FME cost in Draft Plan is actually a construction cost. |

Lower Red-Sulphur-Cypress - FME to FMP Preliminary Candidates (For discussion during RFPG Meeting)

| FME ID | FME Name | Description | Study Type | Sponsor | Estimated Study Cost | Recommended in Draft RFP? | Potential candidate to elevate from FME to FMP? | Data Available to support FMP | Level of Effort to Elevate to FMP | Comments |
|-----------|--|---|--------------------|-------------------|----------------------|---------------------------|---|---|-----------------------------------|--|
| 021000060 | City of Texarkana Gauges | Install depth gauges and radio-controlled guard arms at three flood-prone underpasses and warning lights and a "Do Not Enter" sign at flood-prone residential intersection. | Preparedness | City of Texarkana | \$100,000 | Y | Potentially | None | Low | This could be a study to determine the best location for gauges and guard arms. If we could do this selection, the FMP could be for purchasing and installing equipment. Technical Consultants to explore this further and see if we can turn into FMP. |
| 021000064 | Pecan to Waggoner Creek Channel Improvements | Channel improvements east of Pecan to Waggoner Creek. | Project Planning | City of Nash | \$250,000 | Y | YES | Study Area | High | Need to create new H&H models. May be able to request further information from MTG. |
| 021000066 | Pig Branch Watershed Culvert Study Update | Study to provide the city with updated drainage information to alleviate existing and potential flood damages for various crossings. | Watershed Planning | City of Bonham | \$250,000 | Y | YES | Engineering Report, Study Areas, Survey, 1D BLE | High | 1D BLE available. PER developed by Hayter. Hydrology is Rational Method. Hydraulics is HY-8. They surveyed all culverts. Hayter indicates that a 25-LOS is not possible. Hayter recognizes that increasing culvert capacity is not enough to reduce flood risk, channel improvements are also required and were not evaluated in this study. They also recommend to evaluate detention options. We could update BLE RAS 1D model using their survey info, but we would need to evaluate detention and channel improvements solutions. |

Lower Red-Sulphur-Cypress - FME to FMP Assessment (Table only shows FMEs recommended in DRAFT RFP)

| FME ID | FME Name | Description | Study Type | Sponsor | Estimated Study Cost | Recommended in Draft RFP? | Potential candidate to elevate from FME to FMP? | Data Available to support FMP | Level of Effort to Elevate to FMP | Comments |
|-----------|---------------------------------------|---|--------------------|---|----------------------|---------------------------|---|-------------------------------|-----------------------------------|--|
| 021000002 | Grayson County FIS | Update remainder of county to Zone AE | Watershed Planning | Grayson County | \$2,313,000 | Y | NO - Mapping | | | |
| 021000003 | Fannin County FIS | Update County maps to Zone AE | Watershed Planning | Fannin County | \$2,471,000 | Y | NO - Mapping | | | |
| 021000007 | Hopkins County FIS | Update County maps to Zone AE | Watershed Planning | Hopkins County | \$2,061,000 | Y | NO - Mapping | | | |
| 021000009 | Franklin County FIS | Develop FIS for the County | Watershed Planning | Franklin County | \$666,000 | Y | NO - Mapping | | | |
| 021000010 | Titus County FIS | Update County maps to Zone AE | Watershed Planning | Titus County | \$1,219,000 | Y | NO - Mapping | | | |
| 021000013 | Upshur County FIS | Update County maps to Zone AE | Watershed Planning | Upshur County | \$1,834,000 | Y | NO - Mapping | | | |
| 021000015 | Harrison County FIS | Update County maps to Zone AE | Watershed Planning | Harrison County | \$2,162,000 | Y | NO - Mapping | | | |
| 021000017 | Cass County FIS | Update County maps to Zone AE | Watershed Planning | Cass County | \$2,419,000 | Y | NO - Mapping | | | |
| 021000018 | Bowie County FIS | Update County maps to Zone AE | Watershed Planning | Bowie County, City of De Kalb | \$2,282,000 | Y | NO - Mapping | | | |
| 021000019 | Morris County FIS | Update County maps to Zone AE | Watershed Planning | Morris County | \$804,000 | Y | NO - Mapping | | | |
| 021000020 | Sulphur River (Main Stem) Log Jams | Log and debris jams along Sulphur River near Highway 37 | Preparedness | Sulphur River Basin Authority | \$550,000 | Y | NO - Planning Study | | | |
| 021000021 | City of Clarksville Delaware Creek | Debris, Vegetation Removal, and Channelization | Preparedness | City of Clarksville | \$25,000 | Y | NO - Planning Study | | | |
| 021000022 | New Boston Unnamed Stream 1 | Debris, Vegetation Removal, and Channelization | Preparedness | City of New Boston | \$250,000 | Y | NO - Planning Study | | | |
| 021000023 | New Boston Unnamed Stream 2 | Debris, Vegetation Removal, and Channelization | Preparedness | City of New Boston | \$250,000 | Y | NO - Planning Study | | | |
| 021000024 | Nash Unnamed Stream 1 | Debris, Vegetation Removal, and Channelization | Preparedness | Bowie County | \$250,000 | Y | NO - Planning Study | | | |
| 021000025 | Nash Unnamed Stream 2 | Debris, Vegetation Removal, and Channelization | Preparedness | Bowie County | \$250,000 | Y | NO - Planning Study | | | |
| 021000026 | Anderson Creek WWTP Flood Study | WWTP was impacted by flooding from Anderson Creek. Study to evaluate whether existing berm meets 100-year protection and to evaluate the needs for sump pumps and lift station. | Project Planning | City of De Kalb | \$250,000 | Y | YES | None | Moderate | Anderson Creek watershed above WWTP is fairly large but mostly undeveloped. We could prepare HMS model fairly quickly. RAS model could also be relatively simple in the area of the WWTP. Evaluation of berm performance, sump pumps and lift station seem doable. |
| 021000027 | De Kalb Stormwater Drainage | Citywide evaluation of flooding impacts on streets and drainage structures | Watershed Planning | City of De Kalb | \$250,000 | Y | NO - Planning Study | | | |
| 021000029 | Red River Levee and Navigation System | Study flood mitigation benefits of a levee and navigation system on the Lower Red, based on planning by USACE | Project Planning | City of De Kalb, Red River Valley Association | \$4,000,000 | Y | NO - Planning Study | | | |
| 021000030 | City of Hooks Infrastructure | Widen ditches to increase the volume capacity of flash flood waters | Project Planning | City of Hooks | \$250,000 | Y | Potentially | None | High | We would have to create models from scratch and prove no negative impact, but widening the ditches is likely to increase flows. |

Lower Red-Sulphur-Cypress - FME to FMP Assessment (Table only shows FMEs recommended in DRAFT RFP)

| FME ID | FME Name | Description | Study Type | Sponsor | Estimated Study Cost | Recommended in Draft RFP? | Potential candidate to elevate from FME to FMP? | Data Available to support FMP | Level of Effort to Elevate to FMP | Comments |
|-----------|--|---|--------------------|-------------------|----------------------|---------------------------|---|---|-----------------------------------|--|
| 021000031 | Upshur County Drainage | Raise elevations and improve drainage for certain roads and streets within Region 2 | Project Planning | Upshur County | \$1,000,000 | Y | NO - Planning Study | | | |
| 021000032 | Cowhorn Creek East | Extend current H&H study limits to the upstream detention pond. Evaluate existing flooding and develop mitigation actions. | Watershed Planning | City of Texarkana | \$250,000 | Y | YES | Engineering Report, Cost Estimates, Study Areas, H&H Models | Low | We need to get models from MTG. We will need to perform BCA. Diamond Circle area. Parker requested models from MTG. |
| 021000033 | Wadley Hospital Flood Study | Flood study to define flood risk and mitigation options. | Project Planning | City of Texarkana | \$250,000 | Y | NO - High Complexity | None | High | These seem to be in densely urbanized areas. Models could be complex. Dusty confirmed this would be high effort. Storm drains would need to be modeled. Not too high on Dusty's priority list. |
| 021000034 | Urban Flooding at 19th and Wood Street | Flood study to define flood risk and mitigation options. Houses flood 4-5 times per year. | Project Planning | City of Texarkana | \$250,000 | Y | NO - High Complexity | None | High | These seem to be in densely urbanized areas. Models could be complex. Starts open channel, but then goes underground, no additional data available. |
| 021000035 | Cowhorn West Creek | Arroyo Street additional modeling to address flooding | Watershed Planning | City of Texarkana | \$250,000 | Y | NO - High Complexity | H&H Models | High | These seem to be in densely urbanized areas. Models could be complex. MTG did CLOMR and floodway improvements. Parker requested models from MTG. It is all street drainage. May incorporate detention upstream. Very good FME, but difficult to complete within schedule for Amended Plan. |
| 021000037 | Stream WC-1 | Street flooding near McKnight and Jonathan Street. Storm drain system evaluation and development of alternatives to increase community access for 40-50 houses. | Project Planning | City of Texarkana | \$250,000 | Y | NO - Planning Study | None | Moderate | Dusty has no additional data. We would need new H&H models. Good FME candite, but alternatives are limited. |
| 021000038 | City of Texarkana Buyout Study | Study to prepare a strategy and develop a program for voluntary purchase of at-risk properties | Other | Bowie County | \$250,000 | Y | NO - Property Acquisition Study | | | |
| 021000039 | City of Atlanta High School Lane Project/Phase No. 2 | Perform channel improvements between Hwy 77 & Main St | Project Planning | City of Atlanta | \$1,145,000 | Y | NO - High Complexity | | High | It appears that this would be a complicated channel and storm drain improvements project. |
| 021000040 | City of Atlanta Eleanor St and Red Bluff St. Project/Phase No. 3 | Replace culvert crossings | Project Planning | City of Atlanta | \$61,000 | Y | YES | None | Low | Relatively small project. If existing conditions show water backup behind road embankment, enlarging the culvert could have adverse impacts downstream. If road currently overtops, then we could argue no adverse impacts post-project. |

Lower Red-Sulphur-Cypress - FME to FMP Assessment (Table only shows FMEs recommended in DRAFT RFP)

| FME ID | FME Name | Description | Study Type | Sponsor | Estimated Study Cost | Recommended in Draft RFP? | Potential candidate to elevate from FME to FMP? | Data Available to support FMP | Level of Effort to Elevate to FMP | Comments |
|-----------|--|---|--------------------|-------------------------------|----------------------|---------------------------|---|---|-----------------------------------|--|
| 021000041 | City of Atlanta Park View St and Jefferson St. Project/Phase No. 4 | Install culvert crossing | Project Planning | City of Atlanta | \$61,000 | Y | YES | None | Low | Relatively small project. If existing conditions show water backup behind road embankment, enlarging the culvert could have adverse impacts downstream. If road currently overtops, then we could argue no adverse impacts post-project. |
| 021000042 | City of Paris Big Sandy Cr Tribs 4 and 6 Improvements | Re-grade channel downstream of Clarksville Ave. and establish concrete channel upstream of Clarksville Ave. Channel improvements in the upper portion of Tributary 4. Tributary 6 channel improvements and culvert replacement. | Project Planning | City of Paris | \$5,069,000 | Y | Potentially | Engineering Report, Cost Estimates, Study Areas | High | Cobb Fendley prepared Report. Primarily a conveyance project, we may have issues with no negative impacts criteria. RFPG requested considering one of the Tributaries. However, these are potentially unfeasible projects. H&H models are currently unavailable. FME cost in Draft Plan is actually a construction cost. |
| 021000045 | Update to City of Paris Comprehensive Stormwater Plan Study | City of Paris Comprehensive Stormwater Plan projects 1-3 and 5-9: Improve drainage along 5th St., 7th St., Trail de Paris, E. Sycamore, 31st St., Wilburn St., and 4th St. | Project Planning | City of Paris | \$2,589,000 | Y | YES | Master Plan Reports, General Study Areas | High | RFPG requested selecting 1 or 2 projects from Comprehensive Plan. Will require developing new H&H models. FME cost in Draft Plan is actually a construction cost. |
| 021000054 | City of Ector Property Buyout | Acquire flood-prone properties for use as park areas. | Other | City of Ector | \$250,000 | Y | NO - Property Acquisition Study | | | |
| 021000056 | Cooke County Acquisition of Repetitive Loss and Damaged Properties | Purchase and removal of damaged homes that are located in the floodplain and buy-out of repetitive flood loss properties in Region 2 | Other | Cooke County | \$250,000 | Y | NO - Property Acquisition Study | | | |
| 021000057 | Grayson County Buyout of Repetitive Flood Properties | Work with local jurisdiction in the buy-out of repetitive flood properties. This includes any structures found to be located in flood areas that are in incorporated and unincorporated areas. | Other | Grayson County | \$4,818,000 | Y | NO - Property Acquisition Study | | | |
| 021000058 | Harrison County Property Acquisition | Acquisition and management strategies of land to preserve open space within Region 2 for flood mitigation and water quality in the floodplain. | Other | Harrison County | \$250,000 | Y | NO - Property Acquisition Study | | | |
| 021000059 | Marion County Barriers | Install low water crossing barriers, similar to railroad crossing barriers. | Preparedness | Marion County | \$100,000 | Y | NO - Planning Study | | | |
| 021000060 | City of Texarkana Gauges | Install depth gauges and radio-controlled guard arms at three flood-prone underpasses and warning lights and a "Do Not Enter" sign at flood-prone residential intersection. | Preparedness | City of Texarkana | \$100,000 | Y | Potentially | None | Low | This could be a study to determine the best location for gauges and guard arms. If we could do this selection, the FMP could be for purchasing and installing equipment. Technical Consultants to explore this further and see if we can turn into FMP. |
| 021000062 | North Sulphur River Channel Stability and Flooding Study | Channel stability along North Sulphur River and Highway 24 | Preparedness | Sulphur River Basin Authority | \$950,000 | Y | NO - Planning Study | | | |
| 021000063 | City of Nash Floodplain Study | Drainage study to adopt floodplain. | Watershed Planning | City of Nash | \$250,000 | Y | NO - Mapping | | | |

Lower Red-Sulphur-Cypress - FME to FMP Assessment (Table only shows FMEs recommended in DRAFT RFP)

| FME ID | FME Name | Description | Study Type | Sponsor | Estimated Study Cost | Recommended in Draft RFP? | Potential candidate to elevate from FME to FMP? | Data Available to support FMP | Level of Effort to Elevate to FMP | Comments |
|-----------|--|--|--------------------|-------------------------------|----------------------|---------------------------|---|---|-----------------------------------|--|
| 021000064 | Pecan to Waggoner Creek Channel Improvements | Channel improvements east of Pecan to Waggoner Creek. | Project Planning | City of Nash | \$250,000 | Y | YES | Study Area | High | Need to create new H&H models. May be able to request further information from MTG. |
| 021000065 | South Sulphur River Log Jams | Log and debris jams along South Sulphur River near FM 71 | Preparedness | Sulphur River Basin Authority | \$550,000 | Y | NO - Planning Study | | | |
| 021000066 | Pig Branch Watershed Culvert Study Update | Study to provide the city with updated drainage information to alleviate existing and potential flood damages for various crossings. | Watershed Planning | City of Bonham | \$250,000 | Y | YES | Engineering Report, Study Areas, Survey, 1D BLE | High | 1D BLE available. PER developed by Hayter. Hydrology is Rational Method. Hydraulics is HY-8. They surveyed all culverts. Hayter indicates that a 25-LOS is not possible. Hayter recognizes that increasing culvert capacity is not enough to reduce flood risk, channel improvements are also required and were not evaluated in this study. They also recommend to evaluate detention options. We could update BLE RAS 1D model using their survey info, but we would need to evaluate detention and channel improvements solutions. |