



Flood Protection Planning for Watersheds – Category 1

Due October 19, 2020 at 5:00 p.m. CST

Email to FIF@twdb.texas.gov Include the Applicant's Name, Abridged Application Number, and Category in the subject line.

Submittal Instructions: Please email one indexed, electronic copy to FIF@twdb.texas.gov using MS Word, Shapefile, Excel, and/or Adobe Acrobat. All Adobe Acrobat PDFs **must be searchable**. Include the Applicant's Name, Abridged Application Number, and Category in the subject line of the email. For applications in excess of 150 MB, please contact FIF@twdb.texas.gov for submission instructions.

For more information, please email FIF@twdb.texas.gov. Include the Applicant's Name, Abridged Application Number, and Category in the subject line of the email.

Example email subject line: Applicant Name, Abridged Application 12345, Category 1

Thank you.

Project information submitted in this application must be consistent with the project's submitted abridged application; any information that is inconsistent with the project's ranking in the prioritization list as approved by the board could result in the project losing prioritization points to the extent that the project may fall below the board-approved funding line. By submitting this Application, 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 a complete Application by the stated deadline, or to respond in a timely manner to additional requests for information, may result in the withdrawal of the Application without review.

GENERAL INFORMATION

| | | |
|--|-------|-----------------------|
| Entity Name | | |
| San Jacinto River Authority | | |
| Entity Type | | |
| River Authority | | |
| A citation of the law under which the political subdivision operates and was created | | |
| Chapter 426, Acts of the 45th Texas Legislature, Regular Session, 1937 | | |
| Physical Address | | |
| 1577 Dam Site Road, Conroe, Texas 77304 | | |
| Mailing Address | | |
| P.O. Box 329, Conroe, Texas 77305 | | |
| Primary Contact Please list the primary project contact for day to day project implementation | Name | Matthew Barrett, P.E. |
| | Title | Division Engineer |

| | | |
|--|-------|-------------------|
| | Phone | 936-588-7177 |
| | Email | mbarrett@sjra.net |

| | | |
|---|-------|-----------------------|
| Grant Coordinator Internal <input checked="" type="checkbox"/> External <input type="checkbox"/> | Name | Matthew Barrett, P.E. |
| | Title | Division Engineer |
| | Phone | 936-588-7177 |
| | Email | mbarrett@sjra.net |

| | | |
|---|-------|---------------------|
| Other Contact (Financial Advisor, Legal/Bond Counsel, Project Engineer, etc.) <u>Assistant Grant</u> <u>Coordinator</u> | Name | Briana Gallagher |
| | Title | Project Coordinator |
| | Phone | 936-588-7127 |
| | Email | bgallagher@sjra.net |

| | | |
|--|-------|--|
| Other Contact (Financial Advisor, Legal/Bond Counsel, Project Engineer, etc.) _____ | Name | |
| | Title | |
| | Phone | |
| | Email | |

| | | |
|--|-------|--|
| Other Contact (Financial Advisor, Legal/Bond Counsel, Project Engineer, etc.) _____ | Name | |
| | Title | |
| | Phone | |
| | Email | |

GENERAL PROJECT INFORMATION

| | | | |
|--|---|---|---|
| Abridged Application Number(s) | 13803 | | |
| Project Name | Upper San Jacinto River Basin Regional Sedimentation Study | | |
| Project Location (Latitude/Longitude) | Entire Upper San Jacinto Watershed Lake Conroe – Lat 30°21'24.85"N Long 95°33'52.83"W Lake Houston – Lat 29°55'10.73"N Long 95°07'57.70"W | | |
| Counties in Project's Area List counties where the project is located or providing service | Montgomery, Walker, San Jacinto, Grimes, Waller, Liberty, Harris | | |
| Category Invited For | | | |
| <input checked="" type="checkbox"/> <u>Category 1</u> Flood Protection Planning for Watersheds | <input type="checkbox"/> <u>Category 2</u> Planning, Acquisition, and Design, Construction / Rehabilitation (All combinations) | <input type="checkbox"/> <u>Category 3</u> Federal Award Matching Funds | <input type="checkbox"/> <u>Category 4</u> Measures immediately effective in protecting life and property |

STATEMENT OF FUNDING

Please indicate the funding sources anticipated to sufficiently fund the project. Insert the dollar amounts applicable to the sources identified below. Entities may either use its own available funds or borrow FIF funds at 0% for any portion of the required local share not provided through the FIF grant funds. Other funding sources indicated below must be committed/awarded or under consideration by the funding agency. If federal funding is a source, please indicate the specific source and federal disaster number in the box below. While you may propose to use in-kind services on this form, any proposal must receive TWDB's approval.

| Sources of Funding | Amount (\$) | Percent of Total Project Cost |
|---|--|-------------------------------|
| a. Federal Funding Disaster Number: | \$0 | 0% |
| b. Local Contribution (All cash/loan/bond proceeds/non-federal grant sources excluding FIF) | \$290,626 | 38.8% |
| c. In-Kind Contribution (estimated value) | \$84,374 | 11.2% |
| d. TWDB FIF Grant | \$375,000 | 50% |
| e. TWDB FIF Loan Applicants with a loan component <u>MUST FILL OUT</u> the loan component questions below | \$0 | 0% |
| TOTAL PROJECT COST (equals a+b+c+d+e) | \$750,000 | 100% |
| Attach a budget and explanation of funds if needed | <input type="checkbox"/> Attached <input checked="" type="checkbox"/> NA | |

DESCRIPTION OF PROPOSED PROJECT – LIMIT PROJECT NEED AND DESCRIPTION TO ONE PAGE

Project Need: Description of Project Need:

The purpose of this project is to perform a regional sedimentation study of the Upper San Jacinto River Basin (Lake Houston watershed). Sedimentation in the Upper San Jacinto River Basin has been well documented and is known to impact floodway conveyance capacity throughout the Upper San Jacinto Watershed. The San Jacinto River Authority (SJRA), Harris County Flood Control District (HCFCD), Montgomery County, and the City of Houston are local partners in the development of the San Jacinto Regional Watershed Master Drainage Plan (SJMDP), initiated in April 2019 and currently in the final stages of development. One of the recommendations from the (SJMDP) was the development of a regional sediment management plan. In addition, sediment transport and accumulation in Lake Houston is well documented to contribute to decreases in storage capacity and water supply yield in Lake Houston. A regional sedimentation study and sediment management plan is needed to gain a better understanding of sources of sediment, transport mechanisms, and regional sediment budgets. This information will be used to identify and create a plan for implementing potential sedimentation solutions. This study will develop “sediment budgets” by evaluating the input, output, and storage of sediment for the entire basin, as well as for sub-watersheds within the basin.

Project Description: Description of Project, including a bulleted list of project elements/components, flood risk evaluation and alternatives considered (including existing facilities):

This project will identify which sub-watersheds in the basin produce the most sediment and which store the most sediment. With this information, sub-watersheds and individual locations can be prioritized for improvements, and conceptual solutions (potential future projects/efforts with the goal of reducing sediment inputs and/or enhancing sediment storage to mitigate the loss of floodway conveyance), as well as non-construction best management practices, can be developed and analyzed. For project/construction solutions, these efforts will include development of cost estimates, preliminary exhibits, and preliminary permitting requirement evaluation. All identified projects, efforts, and practices will be ranked and included in an implementation plan, and ultimately all information developed as part of this project will be compiled into a regional sediment management plan which can guide sedimentation mitigation efforts in the future. Specific tasks anticipated to be included in the scope of work for the project include, but are not necessarily limited to:

1. Upper San Jacinto River Basin watershed characterization
2. Inventory of available existing data
3. Annual sediment output determination
4. Annual sediment storage determination
5. Sediment transport modeling
6. Individual sediment source or storage locations determination
7. Individual site investigations
8. Key stakeholder and permitting agency coordination
9. Development of conceptual solutions and overall implementation strategy
10. Development of Upper San Jacinto River Basin sediment management plan

FLOOD INFRASTRUCTURE FUND QUESTIONS

Category 1: Flood Protection Planning for Watersheds

Projects must conduct planning of entire watersheds no smaller than Hydrologic Unit Code 10-digit (HUC-10) to better inform the development of strategies using structural and nonstructural measures before a flood event, such as determining and describing problems from or related to flooding, identifying and planning solutions to flooding problems, and estimating the benefits and costs of these solutions.

All activities under this category must be considered “flood control planning” as defined in [Texas Water Code Section 15.405](#). It does not include the actual preparation of a Federal Emergency Management Agency Flood Insurance Rate Map.

Questions to meet Flood Intended Use Plan and/or Statutory Requirements:

1. Attach a map showing project location and delineation of project watershed, conforming to [31 TAC §363.408\(b\)\(4\)](#).

See Exhibit 1 – Study Area and Watershed Location Map

2. **Project Area and Component Map.** Attach a GIS map at the appropriate scale to show the project location, proposed project area, watersheds including HUC boundaries, and all major project components. Add a GIS shapefile of the project area boundary.
☒ Attached ☐ NA

See Exhibit 2 – Study Area and HUC-10 Component Map

3. Has the applicant fulfilled Notice Requirements for Category 1 Projects as outlined in the [Flood Intended Use Plan](#)?
☒ Yes, Attach Documentation, including
 - i. one copy of the notice sent to affected political subdivisions,
 - ii. a list of the political subdivisions to which notice was sent, and
 - iii. the date on which the notice was sent.☐ No

See Attachment A for copy of public notice and a list of political subdivisions provided notice.

4. Has the applicant acted cooperatively with other political subdivisions to address flood control needs in the area?
☒ Yes, Attach Documentation (Flood Application Affidavit TWDB-0171)
☐ No

See Attachment B for completed Flood Application Affidavit TWDB-0171

5. Have all political subdivisions been notified of the proposed study, were provided adequate notice, and will have ample opportunity to participate in the study? Providing adequate notice and ample opportunity to any such eligible political subdivision that elects not to participate further would fulfill this requirement, provided evidence of notification is included in the application.
☒ Yes, Attach Documentation (Flood Application Affidavit TWDB-0171 or evidence of adequate notification)
☐ No

See Attachment B for completed Flood Application Affidavit TWDB-0171

6. Will in-kind services be substituted for any part of the local share? [Note: In-kind services may be substituted for any part of the local share, if such services are directly in support of the planning effort, are fully explained and documented in the complete application, and approved as part of the TWDB commitment.]
☒ Yes, Attach Documentation with full explanation of applicant’s in-kind contribution including a description of in-kind services to be provided
☐ No

In-kind services to be provided by the San Jacinto River Authority (SJRA) on the project are anticipated to include, but are not necessarily limited to: project management (meetings, project/document controls, invoicing, grant and consultant contract management, etc.), obtaining right-of-entry for and participating in consultant site investigations, assisting with consultant data collection, technical analyses, document/exhibit/model development and production, etc. where appropriate, reviewing and providing input on consultant technical submittals, coordinating with stakeholders, and preparing for and participating in public meetings in an effort to engage the public on the project. See Task and Expense Budget and Attachment G for an estimated level of effort for SJRA in-kind services.

Other Pertinent Attachments:

7. Detailed description of the degree to which proposed planning duplicates previous or ongoing flood plans.

SJRA, Harris County Flood Control District (HCFCD), Montgomery County, and the City of Houston are local partners in the development of the San Jacinto Regional Watershed Master Drainage Plan. This regional flood plan was initiated in April 2019 and is currently in the final stages of development. The goals of the SJMDP are to identify the region's vulnerabilities to flood hazards, develop approaches to enhance public information and flood level assessment capabilities during a flood disaster event, evaluate flood mitigation strategies to improve community resilience, and provide a comprehensive Flood Mitigation Plan that supports the needs and objectives of each regional partner. The proposed scope of work for this grant application does not duplicate the work completed or underway for the San Jacinto Regional Watershed Master Drainage Plan. The proposed scope of work for this grant application is distinct and will be complimentary to ongoing flood planning by providing additional and critical data and tools to address regional sediment management.

The Texas General Land Office (GLO) through its Community Development and Revitalization Program will be performing a Regional Planning Study in the San Jacinto River and Brazos River basins. The scope of work for these Regional Planning Studies is currently under development. The SJRA and the Project Team will coordinate closely with the GLO and their technical consultants to 1) ensure that the scope of work for this grant application is not duplicative but instead complimentary to any scope of work proposed for the GLO Regional Planning Study and 2) share information and results with the GLO and their technical consultants obtained during the course of work for this planning study.

The Texas Water Development Board (TWDB) is initiating a new State and Regional Flood Plan for all basins in Texas, including the San Jacinto River Basin. The SJRA and the Project Team will also coordinate closely with the TWDB, San Jacinto Regional Flood Planning Group, and the Planning Group's technical consultants to ensure that the results and data obtained as a result of this planning study are incorporated into the San Jacinto Regional Flood Plan.

The Harris Galveston Subsidence District (HGSD) is currently performing a study to evaluate the effects of land subsidence on flooding in the Spring Creek watershed of the San Jacinto River basin. This study will evaluate a methodology to transform the Northern Gulf Coast Groundwater Availability Model (GAM) subsidence grid to allow integration with existing land topography and the development of hydrologic and hydraulic models to assess subsidence impact scenarios. The proposed scope of work for this grant application is not duplicative of the planning study being conducted by the HGSD.

The SJRA is currently performing a study to evaluate the feasibility of locating sediment trapping facilities near existing Sand and Gravel Operations along the West Fork San Jacinto River. The scope of work for this feasibility study includes the screening of potential sediment trapping sites, identification of potential optimal site locations, determining the efficacy of alternative sediment trapping concepts, and identifying proposed sites and facilities for future preliminary engineering design. The proposed scope of work for this grant application proposes to utilize any relevant data and results from this feasibility study, builds off of and is complementary to the feasibility study, and is not duplicative of the work being performed for the feasibility study.

8. Detailed description of project service area including

The scope of work for this grant application ultimately includes evaluation of sediment budgets and transport for the entire Upper San Jacinto River watershed.

a. identification of the watershed (USGS HUC-10 or larger) or watersheds to be studied for this project,

See Exhibit 2 – Study Area and HUC-10 Component Map

b. a map of identified watershed or watersheds showing major hydrologic features and political subdivision boundaries as applicable,

See Exhibit 3 – Study Area and Political Subdivisions

c. historical flooding and flood damages,

Two flood-related disaster declarations (See Attachment C) within the most recent 36 months, Hurricane Harvey (FEMA-4332-DR) and Tropical Storm Imelda (FEMA-4466-DR), justify the need for flood hazard mitigation actions to address a clear and imminent threat to public health, safety, welfare, and property in the project area. Significant flood damages occurred during these events in both Montgomery and Harris Counties.

d. existing or potential flood hazards this project intends to address, including how the proposed planning will address those hazards, and

As a study with the goal of identifying sedimentation solutions, the level of flood mitigation to be provided by those solutions is not quantified at this time. One of the goals of any sedimentation reduction project, effort, or practice resulting or using data from this study would be to restore, maintain, or expand storm flow capacity, which could potentially remove structures from the floodplain. Flood mitigation provided by these future projects/efforts/practices could benefit areas impacted by Hurricane Harvey and Tropical Storm Imelda (See Attachment C), as well as other recent and historical events (See Exhibit 4 – Study Area and Project Benefit Map). The main goal of the study is to identify sedimentation solutions in the region and provide data and guidance for future sedimentation reduction projects, efforts, and practices. Any sedimentation reduction activity in the Upper San Jacinto River Basin (Lake Houston watershed) is anticipated to achieve some level of reduction of sediment load entering Lake Houston, which would in turn reduce storage reduction in the lake, which is the major water supply reservoir for the City of Houston and surrounding communities.

e. identification of which eligible entities do or do not participate in the National Flood Insurance Program.

The study area for the Upper San Jacinto River Basin Regional Sedimentation Study includes all or part of Liberty County, Waller County, Grimes County, Walker County, San Jacinto County, Montgomery County, Harris County, including the City of Conroe and the City of Houston, all participants in the National Flood Insurance Program and are currently enforcing floodplain management standards at least equivalent to National Flood Insurance Program (NFIP) minimum standards.

9. Description of areas identified for flood risk evaluation, including hydrologic and hydraulic modeling, mapping, and proposed method of evaluation.

The project will be performed utilizing the most recent/best available data, technology, and techniques available to SJRA. The project will take advantage of any relevant data, models, etc. developed recently as part of the, in progress and nearing completion, (SJMDP) being performed by Harris County Flood Control District (HCFCD), which is utilizing Atlas 14 rainfall. The SJMDP is a \$2.7 million comprehensive regional study funded 25% by local partners HCFCD, SJRA, Montgomery County, and the City of Houston, and 75% by FEMA, conveyed through the Texas Division of Emergency Management. The project will also utilize data from and build upon efforts by the U.S. Army Corps of Engineers (USACE) and Harris County to dredge accumulated sediment from the mouth of Lake Houston. To date, over 2.3 million cubic yards of material have been removed by USACE, at a cost of over \$90 million, partially funded by FEMA. An additional \$30 million has been dedicated to Harris County from the Texas Water Development Board to further dredging efforts via Senate Bill 500 from the 86th Texas Legislative Session. By utilizing data from and building upon the SJRWMDP and Lake Houston dredging efforts, the proposed project will increase the benefits gained from the large state and federal investments made for these projects. Finally, the project will use any relevant data from a sand trap development project currently being performed by SJRA, in coordination with HCFCD, along the West and East Forks of the San Jacinto River, which utilizes abilities provided to SJRA and HCFCD by House Bill 1824 from the 86th Texas Legislature, as well as any other relevant data from past studies and efforts in the region. Some of the efforts described above have already been performed along the East and West Forks of the river as part of the sand trap development project, and will not need to be duplicated as part of this project.

Detailed description of the proposed method for estimating the benefits and costs of potential solutions to identified flooding problems.

The main goal of the study is to identify sedimentation solutions in the region and provide data and guidance for future sedimentation reduction projects, efforts, and practices. Any sedimentation reduction activity in the Upper San Jacinto River Basin (Lake Houston watershed) is anticipated to achieve some level of reduction of sediment load entering Lake Houston, which would in turn reduce storage reduction in the lake, which is the major water supply reservoir for the City of Houston and surrounding communities. Given the nature of project, identifying potential solutions for further development and study, a benefit cost estimate is not currently part of the scope of work for this grant application.

10. Detailed scope of work for the proposed flood protection planning project including

- a. project organization,**
- b. a description of how flood protection needs of the entire watershed will be considered,**
- c. identification of tasks,**
- d. a task budget*,**

- e. a time schedule for completing tasks,
- f. an expense budget by category*, and
- g. potential benefits of the project.

*see attached example task and expense budgets.

See Attachment D for detailed Scope of Work. Note that Draft PSA does not include TWDB clauses that may be required. SJRA will coordinate with TWDB before executing any contracts, or will amend any existing contracts as necessary, to include required TWDB contract terms, conditions, and clauses as appropriate if grant is awarded.

11. Detailed description of why state funding assistance is needed.

River authorities have historically not undertaken a large role in regional flood management. This is primarily due to the fact that only a few river authorities in Texas have taxing authority and a dedicated funding source to support such activities. However, in March 2018, Texas Governor Greg Abbott challenged SJRA to play a larger role in helping to identify regional solutions to flooding issues in the San Jacinto River basin. The Board of Directors and leadership of SJRA decided to embrace this challenge and take action by asserting a flood management leadership role in the region by launching a new Flood Management Division in 2018. In the time since the creation of the new division, SJRA has become very active in coordinating with public entities and other stakeholders in the watershed in working towards providing region-wide flood mitigation solutions by identifying projects, studies, etc. that will benefit the region. Because SJRA does not have taxing authority or a dedicated funding source for flood mitigation projects and activities, SJRA is required to seek out financial assistance in the form of grants, regional partnerships, etc. in order to fund major projects and studies. It is for this reason that SJRA is seeking state funding assistance for this project.

12. Applicants Consultants. Please attach copies of all draft and/or executed contracts for consultant services to be used by the applicant. If there are any significant scope components that the applicant will be handling in-house, please attach a brief description of those services.

See Attachment E for Draft SJRA Professional Services Agreement.

13. Legal Documents:

- a. Resolution. Attach the resolution from the governing body requesting financial assistance. (TWDB-0201A)
☒ Attached
- b. Application Affidavit. Attach the Application Affidavit. (TWDB-0201)
☒ Attached
- c. Certificate of Secretary. Attach the Certificate of Secretary. (TWDB -0201B)
☒ Attached

See Attachment F for completed Resolution Requesting Financial Assistance TWDB-0201A, Application Affidavit TWDB-0201, and Certificate of Secretary TWDB-0201B

TASK AND EXPENSE BUDGETS

TASK BUDGET

| TASK | DESCRIPTION | AMOUNT |
|-------|--|-----------|
| 1 | Project Management | \$37,500 |
| 2 | Inventory Available Existing Data and Watershed Characterization | \$37,500 |
| 3 | San Jacinto Watershed's Annual Sediment Supply and Storage | \$150,000 |
| 4 | Sediment Transport Modeling | \$75,000 |
| 5 | Extrapolation of Subwatershed Data to Entire Upper San Jacinto River Basin and Prioritization of Subwatersheds for Sediment Source "Hotspot" Investigation | \$150,000 |
| 6 | Sediment Source "Hotspot" Investigation of Subwatersheds and Prioritization of Recommended Areas for Sediment Management or Opportunity | \$112,500 |
| 7 | Conceptual Solution Development and Implementation Strategy | \$112,500 |
| 8 | Identify Key Stakeholders and Permitting Agencies | \$15,000 |
| 9 | Technical and Financial Assistance Sources | \$15,000 |
| 10 | The San Jacinto Regional Sediment Management Plan | \$45,000 |
| TOTAL | | \$750,000 |

EXPENSE BUDGET

| CATEGORY | AMOUNT |
|-------------------------------|-----------|
| Salaries & Wages ¹ | \$58,189 |
| Fringe ² | \$26,185 |
| Travel ³ | \$0 |
| Subcontract Services | \$665,626 |
| Other Expenses ⁴ | \$0 |
| Overhead ⁵ | \$0 |
| Profit | \$0 |
| TOTAL | \$750,000 |

See Attachment G for additional detail for the estimate of SJRA In-Kind Services

¹ Salaries and Wages is defined as the cost of salaries of engineers, draftsmen, stenographers, surveymen, clerks, laborers, etc., for

time directly chargeable to this contract.

² Fringe is defined as the cost of social security contributions, unemployment, excise, and payroll taxes, workers' compensation insurance, retirement benefits, medical and insurance benefits, sick leave, vacation, and holiday pay applicable thereto.

³ 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

⁴ Other Expenses is defined to include expendable supplies, communications, reproduction, and postage directly chargeable to this CONTRACT.

⁵ Overhead is defined as the costs incurred in maintaining a place of business and performing professional services similar to those specified in this contract. These costs shall include the following:

- Indirect salaries, including that portion of the salary of principals and executives that is allocable to general supervision;
- Indirect salary fringe benefits;
- Accounting and legal services related to normal management and business operations; Travel costs incurred in the normal course of overall administration of the business; Equipment rental;
- Depreciation of furniture, fixtures, equipment, and vehicles;
- Dues, subscriptions, and fees associated with trade, business, technical, and professional organizations;
- Other insurance; Rent and utilities; and Repairs and maintenance of furniture, fixtures, and equipment

LOAN COMPONENT QUESTIONS – APPLICANTS NOT SEEKING FUNDING IN THE FORM OF A LOAN DO NOT NEED TO ANSWER THE QUESTIONS BELOW

Legal Information

- Pledge.** What type of pledge will be used to repay the proposed debt?
☐ Systems Revenue ☐ Taxes ☐ Combination of System Revenues & Taxes
☐ Contract Revenue ☐ Other (Explain)
- Proposed Debt Issue.** Provide the full legal name of the security for the proposed debt issue(s).
- Parity of Debt.** Is the applicant proposing to issue Certificates of Obligation or bonds on parity with outstanding obligations?
☐ Yes ☐ No
 If yes:
 - Please describe any reserve requirements and additional debt requirements: _____;
 - Attach the most recent resolution or ordinance authorizing the outstanding parity debt.
- Rate Covenants.** Describe any existing rate covenants.

Financial Information

- Utilities Provided.** Indicate the services the Applicant provides its customers. Check all that apply.
☐ Regional/Wholesale Water Services ☐ Retail Water ☐ Wastewater
☐ Storm water/Drainage ☐ None of these
- Current Average Residential Usage and Rate Information.**

| <u>Service</u> | <u>Date of Last Rate Increase</u> | <u>Avg. Monthly Usage (Gal)</u> | <u>Avg. Monthly Bill (\$)</u> | <u>Avg. Monthly Increase Per Customer (\$) at Last Rate Increase</u> | <u>Projected Monthly Increase Necessary to Repay Loan (\$)</u> |
|----------------|-----------------------------------|---------------------------------|-------------------------------|--|--|
| Water | | | \$ | \$ | \$ |
| Wastewater | | | \$ | \$ | \$ |
| Drainage | | N/A | \$ | \$ | \$ |

Comments: _____

- Authorized Rates/Fees/Charges Schedules.** Please attach a schedule of current water, wastewater, and/or storm/drainage rates or fees (whichever is applicable) and the proposed rates/fees needed to finance the project and ongoing maintenance and operation (include the tentative schedule for the necessary proposed rate/fee increase).
☐ Attached
- Collection Procedures.** Please describe the procedures for collecting customer's monthly bills, including penalties for delinquent accounts and the standard procedures in place to remedy these accounts.

☐ N/A

9. **Number of Connections.** Provide the number of active connections for each of the past FIVE years.

☐ N/A

a. **WATER**

| <u>Year</u> | <u>Number of Active Connections</u> |
|-------------|-------------------------------------|
| | |
| | |
| | |
| | |
| | |

☐ N/A - No water service provided by applicant

b. **WASTEWATER**

| <u>Year</u> | <u>Number of Active Connections</u> |
|-------------|-------------------------------------|
| | |
| | |
| | |
| | |
| | |

☐ N/A - No wastewater service provided by applicant

10. **Customer Usage.** List the top TEN customers of the water/wastewater system by annual usage in gallons and percentage total use.

☐ N/A

a. **WATER**

| <u>Customer Name</u> | <u>Annual Usage (Gal)</u> | <u>Percent of Usage</u> |
|----------------------|---------------------------|-------------------------|
| | | % |
| | | % |
| | | % |
| | | % |
| | | % |
| | | % |
| | | % |
| | | % |
| | | % |
| | | % |

Comments: _____

☐ N/A - No water service provided by applicant

b. WASTEWATER

| <u>Customer Name</u> | <u>Annual Usage (Gal)</u> | <u>Percent of Usage</u> |
|----------------------|---------------------------|-------------------------|
| | | % |
| | | % |
| | | % |
| | | % |
| | | % |
| | | % |
| | | % |
| | | % |
| | | % |
| | | % |

Comments: _____

☐ N/A - No wastewater service provided by applicant

11. Customer Annual Revenue. List the top TEN customers of the water and/or wastewater system by annual revenue with corresponding usage and percentage total use.

☐ N/A**a. WATER**

| <u>Customer Name</u> | <u>Annual Usage (Gal)</u> | <u>Annual Revenue</u> | <u>Percent Total Water Revenue</u> |
|----------------------|---------------------------|-----------------------|------------------------------------|
| | | \$ | % |
| | | \$ | % |
| | | \$ | % |
| | | \$ | % |
| | | \$ | % |
| | | \$ | % |
| | | \$ | % |
| | | \$ | % |
| | | \$ | % |
| | | \$ | % |

Comments: _____

☐ N/A - No water service provided by applicant**b. WASTEWATER**

| <u>Customer Name</u> | <u>Annual Usage (Gal)</u> | <u>Annual Revenue</u> | <u>Percent Total Wastewater Revenue</u> |
|----------------------|---------------------------|-----------------------|---|
| | | \$ | % |
| | | \$ | % |
| | | \$ | % |
| | | \$ | % |
| | | \$ | % |
| | | \$ | % |
| | | \$ | % |
| | | \$ | % |
| | | \$ | % |
| | | \$ | % |

Comments: _____

☐ N/A - No wastewater service provided by applicant

12. **Wholesale Contracts.** Provide a summary of the wholesale contracts with customers.

| <u>Contract Type</u> | <u>Minimum Annual Amount</u> | <u>Usage Fee per 1,000 gallons</u> | <u>Annual Operations and Maintenance</u> | <u>Annual Capital Costs</u> | <u>Annual Debt Service</u> | <u>Other</u> | <u>Annual Use for the Most Current Fiscal Year End</u> | <u>Annual Revenue for the Most Current Fiscal Year End</u> |
|----------------------|------------------------------|------------------------------------|--|-----------------------------|----------------------------|--------------|--|--|
| | \$ | \$ | \$ | \$ | \$ | \$ | | \$ |
| | \$ | \$ | \$ | \$ | \$ | \$ | | \$ |
| | \$ | \$ | \$ | \$ | \$ | \$ | | \$ |
| | \$ | \$ | \$ | \$ | \$ | \$ | | \$ |
| | \$ | \$ | \$ | \$ | \$ | \$ | | \$ |

Comments: _____

☐ N/A - No water service provided by applicant

13. **Tax Status.** Indicate the tax status of the proposed loan.

☐ Tax-Exempt

☐ Taxable

☐ N/A

14. **Taxing Authority.** Does the applicant have taxing authority?

☐ Yes

☐ No

15. **Maximum Tax Rate.** Provide the maximum tax rate permitted by law per \$100 of property value.

\$

☐ N/A

16. **Principal Employers.** Please list the TEN largest employers of the applicant's service area:

| <u>Name</u> | <u>Number of Employees</u> |
|-------------|----------------------------|
| | |
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| | |

Comments (example: any anticipated changes to the tax base, employers etc.): _____

17. **Bond Ratings.** Provide any current bond ratings with date received and attach corresponding rating reports. If any are not applicable, enter "N/A".

| | <u>Standard & Poor's</u> | <u>Date Received</u> | <u>Moody's</u> | <u>Date Received</u> | <u>Fitch</u> | <u>Date Received</u> |
|---------|------------------------------|----------------------|----------------|----------------------|--------------|----------------------|
| G.O. | | | | | | |
| Revenue | | | | | | |

☐ Attached

18. Overlapping Debt and Tax Rate Table. Attach the direct and overlapping debt and tax rate table.

☐ Attached ☐ N/A

19. Taxable Assessed Valuation. Please provide the last FIVE years of data showing total taxable assessed valuation including net ad valorem taxes levies, corresponding tax rate (detailing debt service and general purposes), and tax collection rate.

| <u>Fiscal Year Ending</u> | <u>Net Taxable Assessed Value (\$)</u> | <u>Tax Rate</u> | <u>Maintenance & Operating Rate</u> | <u>Interest & Sinking Rate</u> | <u>Tax Levy (\$)</u> | <u>Percentage Current Collections</u> | <u>Percentage Total Collections</u> |
|---------------------------|--|-----------------|---|------------------------------------|----------------------|---------------------------------------|-------------------------------------|
| | \$ | | | | \$ | | |
| | \$ | | | | \$ | | |
| | \$ | | | | \$ | | |
| | \$ | | | | \$ | | |
| | \$ | | | | \$ | | |

☐ N/A

20. Tax Assessed Values by Classification. Please attach the last FIVE years of tax assessed values delineated by Classification (Residential, Commercial, and Industrial).

☐ Attached ☐ No direct tax assessed ☐ N/A

21. Taxpayer – Assessed Valuation. Please provide the current top TEN taxpayers showing percentage of ownership to total assessed valuation. Explain anticipated impacts in the Comments blank, below. If any of these have changed in the past three years, please provide information on the changes to the top ten.

| <u>Taxpayer Name</u> | <u>Assessed Value</u> | <u>Percent of Total</u> |
|----------------------|-----------------------|-------------------------|
| | \$ | % |
| | \$ | % |
| | \$ | % |
| | \$ | % |
| | \$ | % |
| | \$ | % |
| | \$ | % |
| | \$ | % |
| | \$ | % |
| | \$ | % |

Comments: _____

☐ No direct tax assessed

22. Sales Tax. Does the applicant collect sales tax? If yes, provide the sales tax collection history for the past FIVE years.

☐ Yes ☐ No

| <u>Fiscal Year Ending</u> | <u>Total Collections</u> |
|---------------------------|--------------------------|
| 20 | \$ |
| 20 | \$ |
| 20 | \$ |
| 20 | \$ |
| 20 | \$ |

23. Annual Audit and Management Letter. Attach ONE copy of the preceding fiscal year's Annual Audit and management letter prepared and certified by a Certified Public Accountant or Firm of Accountants.

☐ Attached

24. **Five-Year Comparative System Operating Statement.** Please attach:

- ☐ **a five-year comparative statement including audited prior years, and**
- ☐ **unaudited year-to-date statement of the following: Operating Statement (not condensed), Balance Sheet, Statement of Cash Flows**

25. **Proforma / Loan Amortization Schedule.** Please select one of the repayment methods from the options below. The proforma should indicate all the information listed under the selection for all years that the debt will be outstanding. Please be sure the proforma reflects the requested debt structure, including multi-phased funding options.

- ☐ **System Revenues (Attached)**
 - ☐ Projected Gross Revenues
 - ☐ Operating and Maintenance Expenditures
 - ☐ Outstanding and Proposed Debt Service Requirements
 - ☐ Net Revenues Available for Debt Service and Coverage of Current and Proposed Debt Paid from Revenues
- ☐ **Taxes (Attached)**
 - ☐ Outstanding and Proposed Debt Service Requirements
 - ☐ Tax Rate Necessary to Repay Current and Proposed Debt Paid from Taxes
 - ☐ List the Assumed Collection Rate and Tax Base Used to Prepare the Schedule
- ☐ **Combination of System Revenues and Taxes (Attached)**
 - ☐ Projected Gross Revenues
 - ☐ Operating and Maintenance Expenditures
 - ☐ Net Revenues available for debt service
 - ☐ Outstanding and Proposed Debt Service Requirements
 - ☐ Tax Rate Necessary to Repay Current and Proposed Debt Paid from Taxes
 - ☐ List the Assumed Collection Rate and Tax Base Used to Prepare the Schedule
- ☐ **Contract Revenues (Attached)**
 - ☐ Participant's Projected Gross Revenues
 - ☐ Participant's Operating and Maintenance Expenditures
 - ☐ Outstanding and Proposed Debt Service Requirements
 - ☐ Net Revenues Available for Debt Service and Coverage of Current and Proposed Debt Paid from Revenues
- ☐ **Other (Attached)**
 - ☐ Projected Gross Revenues
 - ☐ Annual Expenditures
 - ☐ Outstanding and Proposed Debt Service Requirements
 - ☐ Revenues Available for Debt Service

26. **Outstanding Debt.** Does the applicant have any outstanding debt? Check all that apply and attach a list of total outstanding debt and identify the debt holder. Segregate by type (General Obligation or Revenue) and present a consolidated schedule for each, showing total annual requirements. Note any authorized but unissued debt.

- ☐ **General Obligation Debt (Attached)**
- ☐ **Revenue (Attached)**
- ☐ **Authorized but Unissued Debt (Attached)**
- ☐ **Other Debt**
- ☐ **None**

27. **Repayment Issues.** Disclose all issues that may affect the project or the applicant's ability to issue and/or repay debt (such as anticipated lawsuits, judgements, bankruptcies, major customer closings. etc.).

28. Default Debt. Has the applicant ever defaulted on any debt? If yes, disclose all circumstances surrounding prior default(s).

☐ Yes

☐ No

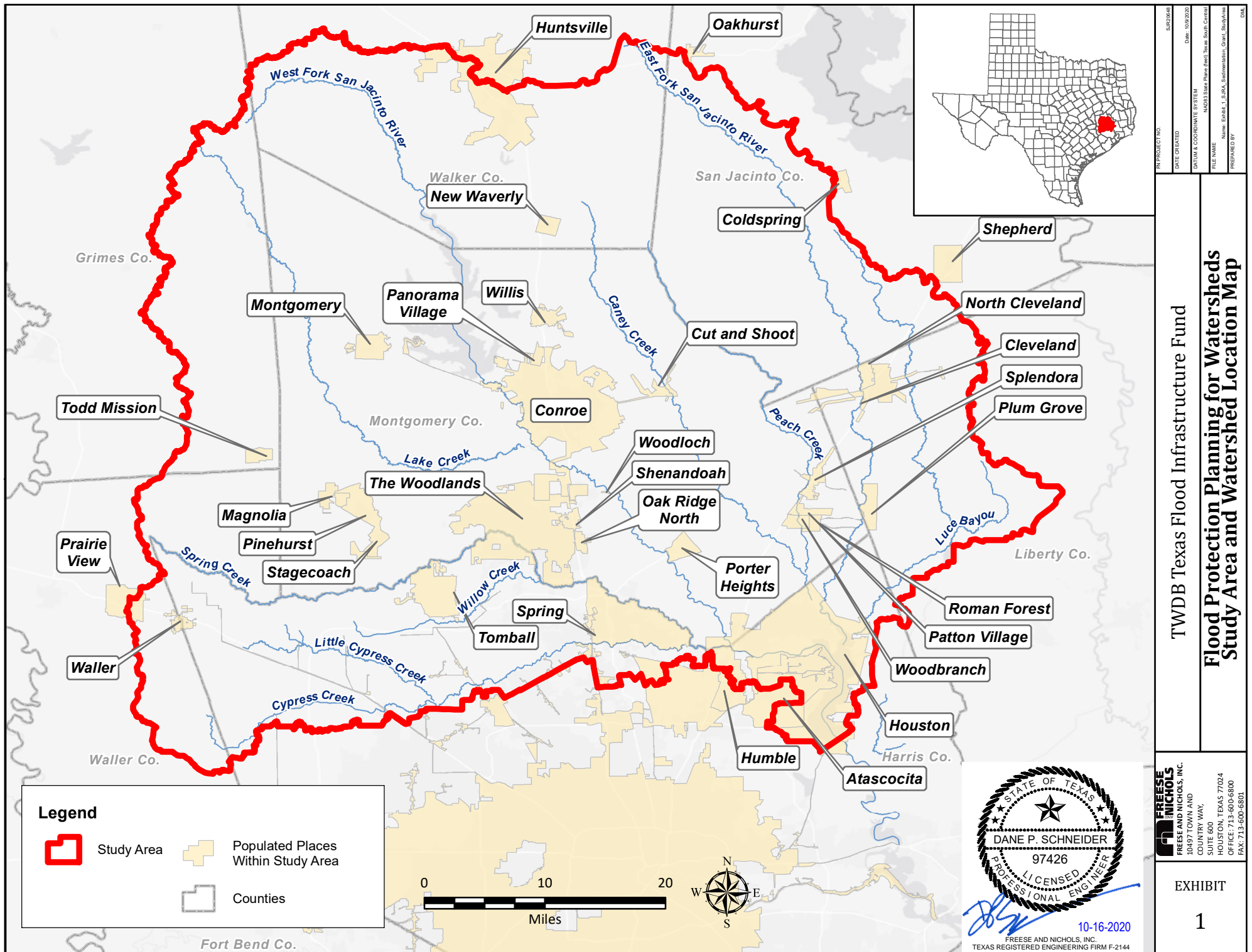
If yes, explain: _____

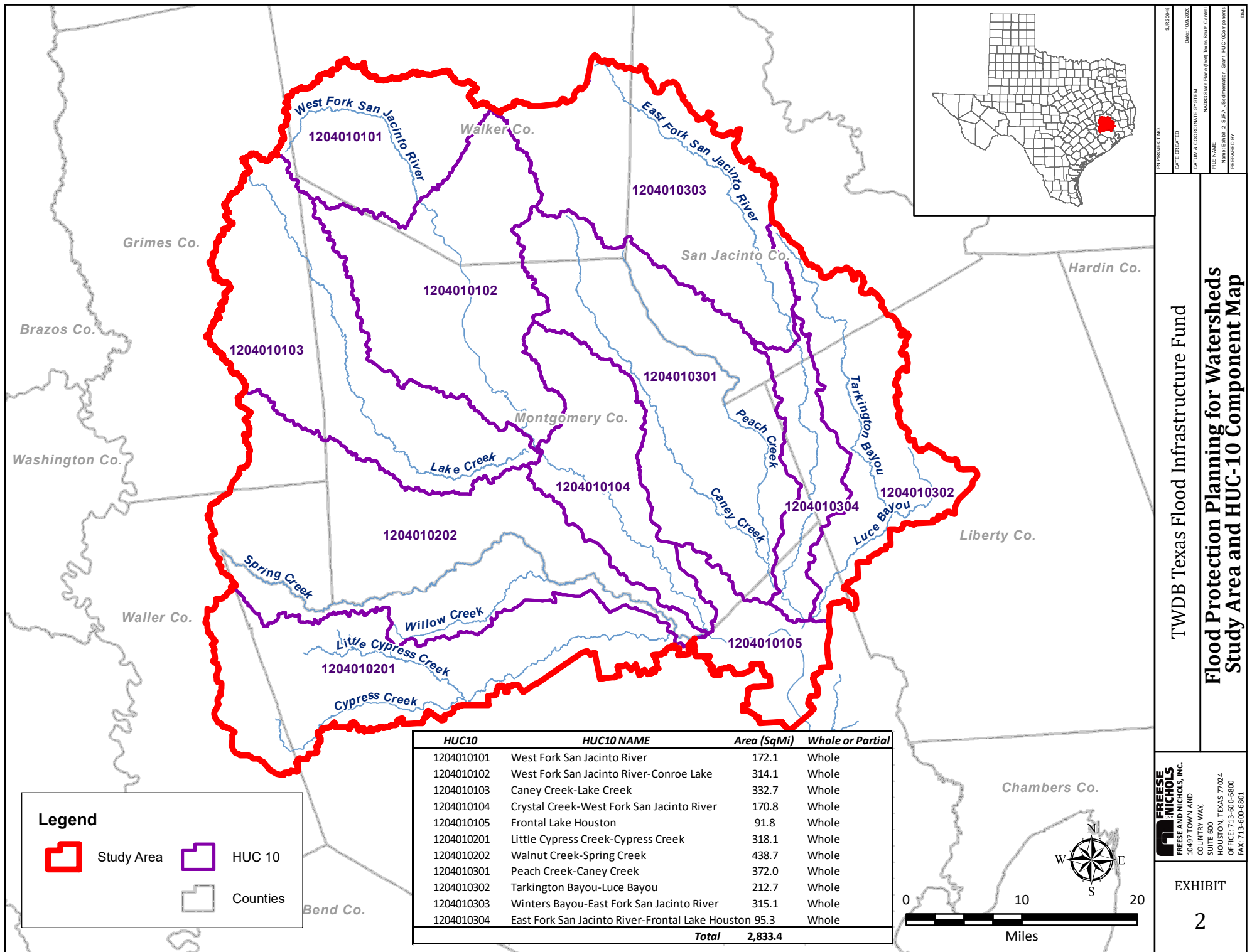
ATTACHMENT CHECKLIST

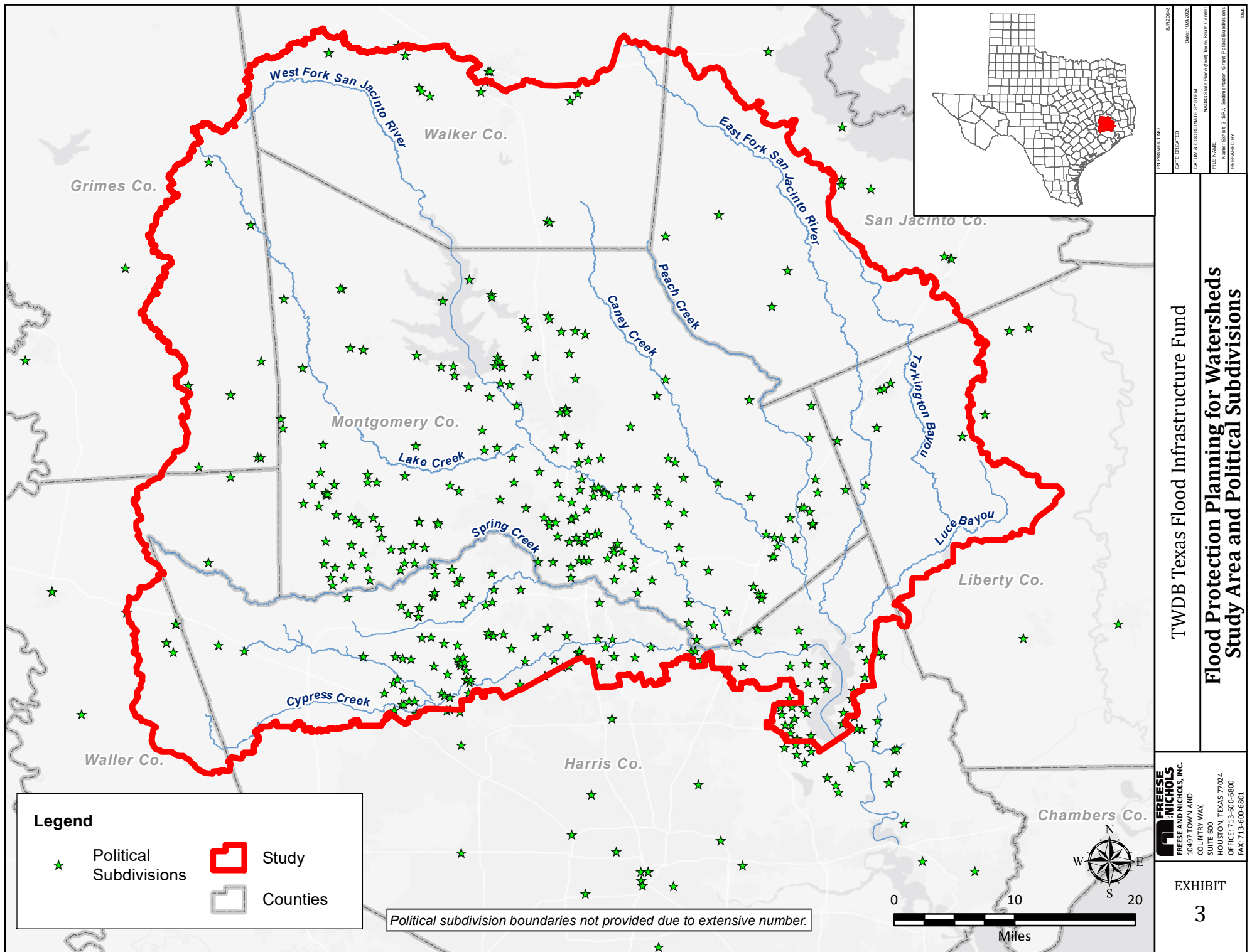
| <u>✓</u> | <u>N/A</u> | <u>Attachment Description</u> |
|-------------------------------------|--------------------------|--|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Maps - Project Area Boundary GIS Shapefile of Feature Class |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Notice Requirements |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Flood Application Affidavit (TWDB-0171) |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Evidence of Adequate Notification |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Detailed description of the degree to which proposed planning duplicates previous or ongoing flood plans |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Detailed description of project service area |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Benefit-Cost Ratio required information |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Detailed scope of work |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Description of why state funding assistance is needed |

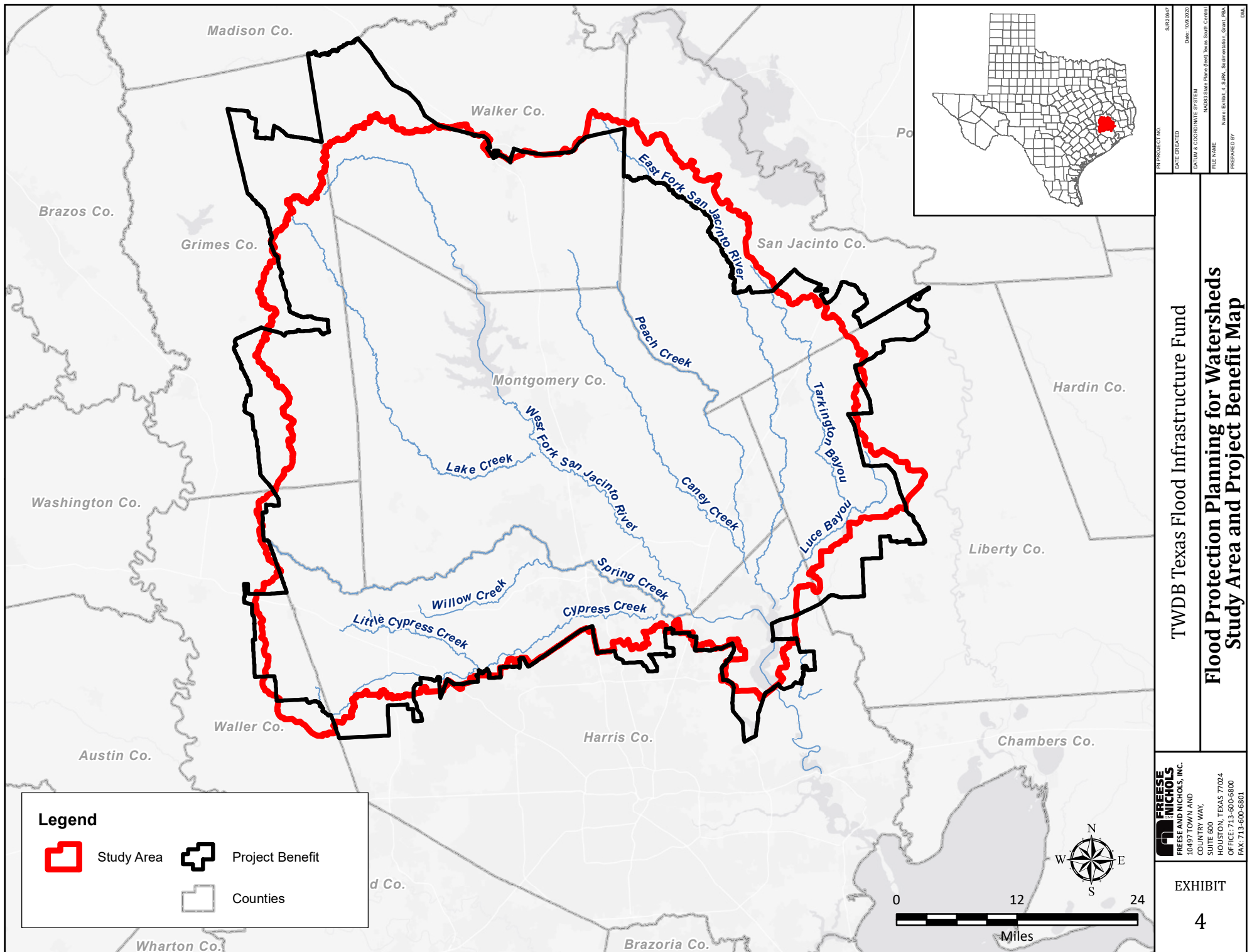
| | | |
|--------------------------|-------------------------------------|---|
| ✓ | N/A | <u>Loan Component Attachment Description</u> |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | The most recent resolution or ordinance authorizing outstanding parity debt |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Rate Schedule |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Bond Ratings |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Overlapping Debt and Tax Rate Table |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Tax Assessed Values by Classification |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Annual Audit & Management Letter |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Five Year Comparative Operating Statement |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Proforma/Amortization Schedule |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Outstanding Debt Schedule |

EXHIBITS









| | |
|---------------------------|---|
| PROJECT NO. | SUR20647 |
| DATE CREATED | Date: 10/9/2020 |
| DATUM & COORDINATE SYSTEM | NAD83 State Plane East Texas Zone Central |
| FILE NAME | Mapa Exhibit 4 SJRA Sedimentation Grant PBA |
| PREPARED BY | DM |

TWDB Texas Flood Infrastructure Fund

Flood Protection Planning for Watersheds

Study Area and Project Benefit Map

FREESE & NICHOLS, INC.
 10497 TOWN AND COUNTRY WAY
 SUITE 600
 HOUSTON, TEXAS 77024
 OFFICE: 713-600-6800
 FAX: 713-600-6801

ATTACHMENT A

PUBLIC NOTICE AND LIST OF POLITICAL SUBDIVISION



San Jacinto River Authority

ADMINISTRATIVE OFFICE
P.O. Box 329 • Conroe, Texas 77305
(T) 936.588.3111 • (F) 936.588.3043

October 7, 2020

[Recipient Name]
[Title or Department]
[Company Name]
[Street Address]
[City, State, Zip]

Re: San Jacinto River Authority Grant Applications to Texas Water Development Board

Dear [Recipient]:

The Texas Water Development Board (TWDB) is in the process of facilitating applications for the Flood Infrastructure Fund (FIF), a program made possible by Senate Bill 7, sponsored by Senator Brandon Creighton in the last legislative session. In a two-stage process, applicants were first required to submit an abridged application for each project. Based on the abridged applications, TWDB ranked the projects utilizing multiple criteria and prioritized them within the overall available funding capacity of the program. The prioritized projects selected from the first stage of submittals are now eligible for submittal as full applications. San Jacinto River Authority (SJRA) submitted five abridged grant applications for FIF funding. TWDB has invited SJRA to submit a full grant application for four of the five projects.

As an applicant, SJRA is required to notify certain entities of the intent to submit full applications to TWDB. You are receiving this letter because your organization or jurisdiction is located within the project planning area for one or more of the four projects for which SJRA is planning to submit a full application. Detailed information on these four projects, including project description/purpose and planning/project benefit area, as well as the abridged application for each, can be found at: www.sjra.net/floodmanagement/grants/. Any comments from your organization or office must be filed with the TWDB Executive Administrator and SJRA within 30 days of the date on which this notice was mailed.

Texas Water Development Board
James Bronikowski, P.E.
1700 North Congress Avenue, Austin, TX 78701

San Jacinto River Authority
Matt Barrett, P.E.
1577 Dam Site Road, Conroe, TX 77304
mbarrett@sjra.net

Sincerely,

Matt Barrett, P.E.
Division Engineer

FLOOD MANAGEMENT DIVISION
P.O. Box 329
Conroe, Texas 77305
(T) 936.588.3111
(F) 936.588.1114

GRP DIVISION
P.O. Box 329
Conroe, Texas 77305
(T) 936.588.1662
(F) 936.588.7182

HIGHLANDS DIVISION
P.O. Box 861
Highlands, Texas 77562
(T) 281.843.3300
(F) 281.426.2877

LAKE CONROE DIVISION
P.O. Box 329
Conroe, Texas 77305
(T) 936.588.1111
(F) 936.588.1114

WOODLANDS DIVISION
2436 Sawdust Road
The Woodlands, Texas 77380
(T) 281.367.9511
(F) 281.362.4385



San Jacinto River Authority

ADMINISTRATIVE OFFICE
P.O. Box 329 • Conroe, Texas 77305
(T) 936.588.3111 • (F) 936.588.3043

October 7, 2020

[Recipient Name]
[Title or Department]
[Company Name]
[Street Address]
[City, State, Zip]

Re: San Jacinto River Authority Grant Applications to Texas Water Development Board

Dear [Recipient]:

The Texas Water Development Board (TWDB) is in the process of facilitating applications for the Flood Infrastructure Fund (FIF), a program made possible by Senate Bill 7, sponsored by Senator Brandon Creighton in the last legislative session. In a two-stage process, applicants were first required to submit an abridged application for each project. Based on the abridged applications, TWDB ranked the projects utilizing multiple criteria and prioritized them within the overall available funding capacity of the program. The prioritized projects selected from the first stage of submittals are now eligible for submittal as full applications. San Jacinto River Authority (SJRA) submitted five abridged grant applications for FIF funding. TWDB has invited SJRA to submit a full grant application for four of the five projects.

As an applicant, SJRA is required to notify certain entities of the intent to submit full applications to TWDB. You are receiving this letter because your organization or jurisdiction is located within the project planning area for one or more of the four projects for which SJRA is planning to submit a full application.

As a key stakeholder and/or an entity substantially affected by one or more of SJRA's four proposed flood projects, SJRA requests your comments **by October 12, 2020** to ensure your input is addressed in the full applications. Detailed information on these four projects, including project description/purpose and planning/project benefit area, as well as the abridged application for each, can be found at: www.sjra.net/floodmanagement/grants/.

Comments must be submitted in writing to the TWDB Executive Administrator and SJRA within 30 days of the date on which this notice was mailed.

Texas Water Development Board
James Bronikowski, P.E.
1700 North Congress Avenue, Austin, TX 78701

San Jacinto River Authority
Chuck Gilman, P.E.
1577 Dam Site Road, Conroe, TX 77304

FLOOD MANAGEMENT DIVISION
P.O. Box 329
Conroe, Texas 77305
(T) 936.588.3111
(F) 936.588.1114

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ADMINISTRATIVE OFFICE
P.O. Box 329 • Conroe, Texas 77305
(T) 936.588.3111 • (F) 936.588.3043

In order to expedite SJRA receipt of input, you may also submit any comments and/or questions via email to cgilman@sjra.net.

Comments and/or letters of support for the applications may be submitted for 30 days, however due to TWDB's compressed schedule, comments submitted after **October 12, 2020** may not be fully addressed in the final applications.

SJRA greatly appreciates your time and looks forward to receiving your feedback.

Sincerely,

Chuck Gilman, P.E.
Director of Water Resources and Flood Management

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P.O. Box 329
Conroe, Texas 77305
(T) 936.588.3111
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The Woodlands, Texas 77380
(T) 281.367.9511
(F) 281.362.4385

| ORGANIZATION IN THE PROJECT BENEFIT AREA | | | CONTACT | TITLE | STREET ADDRESS | CITY | STATE | ZIP | SPECIAL/REGULAR LETTER | RETURNED TO SENDER-NOT DELIVERABLE |
|---|---|------------------------------|---------------------------|-------|---|------------------|-------|-------|------------------------|------------------------------------|
| Operational Partners | | | | | | | | | | |
| | Coastal Water Authority | Greg Olinger | Chief Engineer | | 1801 Main, Suite 800 | Houston | Texas | 77002 | Special | |
| | Harris County Flood Control District | Russ Poppe | Director of Operations | | 9900 Northwest Freeway | Houston | Texas | 77092 | Special | |
| | Harris-Galveston Subsidence District | Mike Turco | General Manager | | 1660 West Bay Area Blvd. | Friendswood | Texas | 77543 | Standard | |
| | Woodlands Water Agency | Jim Stinson, General Manager | General Manager | | 2455 Lake Robbins Drive | The Woodlands | Texas | 77380 | | |
| Woodlands MUDs (WWA) | | | | | | | | | | |
| | The Woodlands MUD No. 1 | Bob Leilich | President | | 2455 Lake Robbins Drive | The Woodlands | Texas | 77380 | | |
| | Montgomery County MUD No. 6 | Bruce Cunningham | President | | 2455 Lake Robbins Drive | The Woodlands | Texas | 77380 | | |
| | Montgomery County MUD No. 7 | Kyle Mays | President | | 2455 Lake Robbins Drive | The Woodlands | Texas | 77380 | | |
| | The Woodlands Metro MUD | Carl W. Kennedy | President | | 2455 Lake Robbins Drive | The Woodlands | Texas | 77380 | Special | |
| | Montgomery County MUD No. 36 | Scott Haynes | President | | 2455 Lake Robbins Drive | The Woodlands | Texas | 77380 | | |
| | Montgomery County MUD No. 39 | Erik Berglund | President | | 2455 Lake Robbins Drive | The Woodlands | Texas | 77380 | | |
| | Montgomery County MUD No. 46 | Mark E. Vonderau | President | | 2455 Lake Robbins Drive | The Woodlands | Texas | 77380 | | |
| | Montgomery County MUD No. 47 | Arthur Bredechoft | President | | 2455 Lake Robbins Drive | The Woodlands | Texas | 77380 | | |
| | Montgomery County MUD No. 60 | Albert T. Tomchesson | President | | 2455 Lake Robbins Drive | The Woodlands | Texas | 77380 | | |
| | Montgomery County MUD No. 67 | Roland Johnson | President | | 2455 Lake Robbins Drive | The Woodlands | Texas | 77380 | | |
| | The Woodlands Township | Jeff Jones | President/General Manager | | 2801 Technology Forest Blvd. | The Woodlands | Texas | 77381 | | |
| Woodlands Village Associations (Township) | | | | | | | | | | |
| | The Woodlands Township-Board of Directors | Gordy Bunch | Chairman, Position 1 | | 2801 Technology Forest Blvd. | The Woodlands | Texas | 77381 | | |
| | The Woodlands Township-Board of Directors | Bruce Rieser | Vice Chairman, Position 4 | | 2801 Technology Forest Blvd. | The Woodlands | Texas | 77381 | | |
| | The Woodlands Township-Board of Directors | Dr. Ann K. Snyder | Secretary, Position 6 | | 2801 Technology Forest Blvd. | The Woodlands | Texas | 77381 | | |
| | The Woodlands Township-Board of Directors | John Anthony Brown | Treasurer, Position 3 | | 2801 Technology Forest Blvd. | The Woodlands | Texas | 77381 | | |
| | The Woodlands Township-Board of Directors | Jason J. Nelson | Director, Position 2 | | 2801 Technology Forest Blvd. | The Woodlands | Texas | 77381 | | |
| | The Woodlands Township-Board of Directors | Bob Milner | Director, Position 7 | | 2801 Technology Forest Blvd. | The Woodlands | Texas | 77381 | | |
| | The Woodlands Township-Board of Directors | Dr. Shelley Sekula-Gibbs | Director, Position 5 | | 2801 Technology Forest Blvd. | The Woodlands | Texas | 77381 | Special | |
| | Alden Bridge Village Association | Maryann Braid | President | | 2801 Technology Forest Blvd. | The Woodlands | Texas | 77381 | | |
| | Cochran's Crossing Village Association | JC Harville | President | | 2801 Technology Forest Blvd. | The Woodlands | Texas | 77381 | | |
| | College Park Village Association | Ted Stanley | President | | 2801 Technology Forest Blvd. | The Woodlands | Texas | 77381 | | |
| | Creekside Park Village Association | Nancy Becker | President | | 2801 Technology Forest Blvd. | The Woodlands | Texas | 77381 | | |
| | Grogan's Mill Village Association | Edmund Chapman | President | | 2801 Technology Forest Blvd. | The Woodlands | Texas | 77381 | | |
| | Indian Springs Village Association | Mike Arendes | President | | 2801 Technology Forest Blvd. | The Woodlands | Texas | 77381 | | |
| | Panther Creek Village Association | Everett Ison | President | | 2801 Technology Forest Blvd. | The Woodlands | Texas | 77381 | | |
| | Sterling Ridge Village Association | Patrick Graham | President | | 2801 Technology Forest Blvd. | The Woodlands | Texas | 77381 | | |
| Counties | | | | | | | | | | |
| | Grimes County | Joe Fauth III | Judge | | P.O. Box 160 | Anderson | Texas | 77830 | Standard | |
| | Harris County | Lina Hidalgo | Judge | | 1001 Preston, Suite 911 | Houston | Texas | 77002 | Standard | |
| | Liberty County | Jay H. Knight | Judge | | 1923 Sam Houston, Room 201 | Liberty | Texas | 77575 | Standard | |
| | Walker County | Danny Pierce | Judge | | 1100 University Avenue, Room 204 | Huntsville | Texas | 77340 | Standard | |
| | Montgomery County | Mark Keough | Judge | | 501 N. Thompson, Suite 401 | Conroe | Texas | 77301 | Special | |
| | San Jacinto County | Fritz Faulkner | Judge | | 1 State Highway 150 Texas 150 | Coldspring | Texas | 77331 | Special | |
| | Waller County | Carbett "Trey" J. Dubon III | Judge | | 826 Austin Street, Suite 203 | Hempstead | Texas | 77445 | Special | |
| Cities | | | | | | | | | | |
| | Huntsville | Andy Brauningner | Mayor | | 1212 Avenue M | Huntsville | Texas | 77340 | Standard | |
| | North Cleveland | Bob Bartlett | Mayor | | P.O. Box 1266 | Cleveland | Texas | 77328 | Standard | |
| | Midway | Brenda Ford | Mayor | | 12250 TX-21 | Midway | Texas | 75852 | Standard | |
| | Shepherd | Charles Minton | Mayor | | 16 N. Liberty Street | Shepherd | Texas | 77371 | Standard | |
| | Roman Forest | Chris Parr | Mayor | | 2430 Roman Forest Blvd. | Roman Forest | Texas | 77357 | Standard | |
| | Waller | Danny Marburger | Mayor | | P.O. Box 239 | Waller | Texas | 77484 | Standard | |
| | Prairie View | David Allen | Mayor | | 44500 Business Highway 290 | Prairie View | Texas | 77446 | Standard | |
| | Splendora | Dorothy Welch | Mayor | | 26090 FM 2090 Road | Splendora | Texas | 77372 | Standard | |
| | Conroe | Duke Coon | Mayor Pro Tem | | 300 W. Davis Street | Conroe | Texas | 77301 | Standard | |
| | Todd Mission | George C. Coulam | Mayor | | 21718 FM 1774 | Todd Mission | Texas | 77363 | Standard | |
| | Plantersville | Karen Hale | Mayor | | Plantersville Town Hall, 11335 Lodge Lane | Plantersville | Texas | 77363 | Standard | not deliverable |
| | Plum Grove | LeeAnn Walker | Mayor | | P.O. Box 1358 | Splendora | Texas | 77372 | Standard | |
| | Willis | Leonard Reed | Mayor | | 200 N Bell Street | Willis | Texas | 77378 | Standard | |
| | Woodbranch Village | Mike Tyson | Mayor | | 58A Woodbranch Drive | New Caney | Texas | 77357 | Standard | |
| | New Waverly | Nathaniel James | Mayor | | P.O. Box 753 | New Waverly | Texas | 77358 | Standard | |
| | Cut and Shoot | Nyla Akin Dalhaus | Mayor | | 14391 Hwy 105 E. | Conroe | Texas | 77306 | Standard | |
| | Oak Ridge North | Paul Bond | Mayor | | 27424 Robinson Road | Oak Ridge North | Texas | 77385 | Standard | |
| | Woodloch | Ralph Leino Jr. | Mayor | | 2620 North Woodloch | Conroe | Texas | 77385 | Standard | |
| | Cleveland | Richard Boyett | Mayor | | 907 E Houston St. | Cleveland | Texas | 77327 | Standard | |
| | Shenandoah | Ritch Wheeler | Mayor | | 29955 I-45 North | Shenandoah | Texas | 77381 | Standard | |
| | Montgomery | Sara Countryman | Mayor | | 101 Old Plantersville Road | Montgomery | Texas | 77316 | Standard | |
| | Patton Village | Scott Anderson | Mayor | | 16940 Main Street | Splendora | Texas | 77372 | Standard | |
| | Panorama Village | Ted Nichols | Mayor Pro Tem | | 99 Hiwon Drive | Panorama Village | Texas | 77304 | Standard | |
| | Magnolia | Todd Kana | Mayor | | 18111 Buddy Riley Blvd. | Magnolia | Texas | 77354 | Standard | |
| | New Caney | Vera Craig | Mayor | | 58-A Woodbranch | New Caney | Texas | 77357 | Standard | |
| | Bammel | | | | | | | | Standard | |
| | Barrett | | | | | | | | Standard | |
| | Chateau Woods | | | | | | | | Standard | |
| | Crosby | | | | | | | | Standard | |
| | Cypress | | | | | | | | Standard | |
| | Dacus | | | | | | | | Standard | |
| | Decker Prairie | | | | | | | | Standard | |
| | Dobbin | | | | | | | | Standard | |
| | Dolen | | | | | | | | Standard | |
| | East River | | | | | | | | Standard | |

| | | | | | | | | |
|-----------------|---|---------------------------------|--|------------|-------|-------|---------|----------|
| | Egypt | | | | | | | Standard |
| | Evergreen | | | | | | | Standard |
| | Fostoria | | | | | | | Standard |
| | Four Corners | | | | | | | Standard |
| | Grangerland | | | | | | | Standard |
| | Highlands | | | | | | | Standard |
| | Hockley | | | | | | | Standard |
| | Huffman | | | | | | | Standard |
| | Hufsmith | | | | | | | Standard |
| | Kingwood | | | | | | | Standard |
| | Klein | | | | | | | Standard |
| | Kohrville | | | | | | | Standard |
| | Magnolia Garden | | | | | | | Standard |
| | Maynard | | | | | | | Standard |
| | Mostyn | | | | | | | Standard |
| | Phelps | | | | | | | Standard |
| | Pine Grove | | | | | | | Standard |
| | Pinchurst | | | | | | | Standard |
| | Porter | | | | | | | Standard |
| | Pumpkin | | | | | | | Standard |
| | Rayburn | | | | | | | Standard |
| | Richards | | | | | | | Standard |
| | Rose Hill | | | | | | | Standard |
| | Security | | | | | | | Standard |
| | Sheldon | | | | | | | Standard |
| | Shiro | | | | | | | Standard |
| | Snuff Ridge | | | | | | | Standard |
| | Spring | | | | | | | Standard |
| | Stoneham | | | | | | | Standard |
| | Tarkington Prairie | | | | | | | Standard |
| | The Woodlands | | | | | | | Standard |
| | Westfield | | | | | | | Standard |
| | White Hall | | | | | | | Standard |
| | Wigginsville | | | | | | | Standard |
| | Williams | | | | | | | Standard |
| | Houston Dave Martin | City Council Member, District E | 900 Bagby, 1st Floor | Houston | Texas | 77002 | Special | |
| | Stagecoach Galen Mansee | Mayor | 16930 Boot Hill Road | Stagecoach | Texas | 77355 | Special | |
| | Tomball Gretchen Fagan | Mayor | 401 Market Street | Tomball | Texas | 77375 | Special | |
| | Humble Merle Don Aaron, Sr. | Mayor | 114 W. Higgins | Humble | Texas | 77338 | Special | |
| | Houston Sylvester Turner | Mayor | P.O. Box 1562 | Houston | Texas | 77251 | Special | |
| | Atascocita | | | | | | Special | |
| Local Officials | | | | | | | | |
| | U.S. Congress for the State of Texas, 2nd Congressional District Dan Crenshaw | Congressman | 1849 Kingwood Drive, Suite 100 | Kingwood | Texas | 77339 | Special | |
| | U.S. Congress for the State of Texas, 8th Congressional District Kevin Brady | Congressman | 200 River Point, Suite 304 | Conroe | Texas | 77304 | Special | |
| | Texas Senate, District 3 Robert Nichols | Senator | 15260 Highway 105 West, Suite 230-H, Box 5 | Montgomery | Texas | 77356 | Special | |
| | Texas Senate, District 4 Brandon Creighton | Senator | 350 Pine Street, Suite 1450 | Beaumont | Texas | 77701 | Special | |
| | Texas Senate, District 5 Charles Schwertner | Senator | 3000 Briarcrest Drive, Suite 202 | Bryan | Texas | 77802 | Special | |
| | Texas Senate, District 6 Carol Alvarado | Senator | 4450 Harrisburg, Suite 400 | Houston | Texas | 77011 | Special | |
| | Texas Senate, District 7 Paul Bettencourt | Senator | 11451 Katy Freeway, Suite 209 | Houston | Texas | 77079 | Special | |
| | Texas Senate, District 15 John Whitmire | Senator | 803 Yale Street | Houston | Texas | 77007 | Special | |
| | Texas Senate, District 18 Lois Kolkhorst | Senator | 2000 S. Market Street, #101 | Brenham | Texas | 77833 | Special | |
| | Texas House of Representatives, District 3 Cecil Bell | State Representative | 18230 FM 1488, Suite 302 | Magnolia | Texas | 77354 | Special | |
| | Texas House of Representatives, District 13 Ben Leman | State Representative | 401 South Austin Street | Brenham | Texas | 77833 | Special | |
| | Texas House of Representatives, District 15 Steve Toth | State Representative | 25700 Interstate Highway 45, Suite 100 | Spring | Texas | 77386 | Special | |
| | Texas House of Representatives, District 16 Will Metcalf | State Representative | 1835 Spirit of Texas Way, Suite 100 | Conroe | Texas | 77301 | Special | |
| | Texas House of Representatives, District 18 Ernest Bailes | State Representative | 10501 Highway 150, Suite B | Sheperd | Texas | 77371 | Special | |
| | Texas House of Representatives, District 57 Trent Ashby | State Representative | 2915 Atkinson Drive | Lufkin | Texas | 75901 | Special | |
| | Texas House of Representatives, District 126 Sam Harless | State Representative | 6630 Cypresswood Drive, Suite 150 | Spring | Texas | 77379 | Special | |
| | Texas House of Representatives, District 127 Dan Huberty | State Representative | 4501 Magnolia Cove, Suite 201 | Kingwood | Texas | 77345 | Special | |
| | Texas House of Representatives, District 128 Briscoe Cain | State Representative | 606 Rollingbrook Drive, Suite 1E | Baytown | Texas | 77521 | Special | |
| | Texas House of Representatives, District 130 Tom Oliverson | State Representative | 12345 Jones Road, #221 | Houston | Texas | 77070 | Special | |
| | Texas House of Representatives, District 132 Gina Calanni | State Representative | 1550 Foxlake Drive, Suite 120 | Houston | Texas | 77084 | Special | |
| | Texas House of Representatives, District 135 Jon Rosenthal | State Representative | 9601 Jones Road, Suite 215 | Houston | Texas | 77065 | Special | |
| | Texas House of Representatives, District 139 Jarvis Johnson | State Representative | 6112 Wheatley Street | Houston | Texas | 77091 | Special | |
| | Texas House of Representatives, District 141 Senfonia Thompson | State Representative | 10527 Homestead Road | Houston | Texas | 77016 | Special | |
| | Texas House of Representatives, District 142 Harold V. Dutton, Jr. | State Representative | 8799 N. Loop East, Suite 200 | Houston | Texas | 77029 | Special | |
| | Texas House of Representatives, District 143 Ana Hernandez | State Representative | 1233 Mercury Drive | Houston | Texas | 77029 | Special | |
| | Texas House of Representatives, District 150 Valoree Swanson | State Representative | 23008 Northcrest | Spring | Texas | 77389 | Special | |
| | Grimes County Precinct 1 Chad Mallett | Commissioner | P.O. Box 160 | Anderson | Texas | 77830 | Special | |
| | Grimes County Precinct 2 David E Dobyanski | Commissioner | P.O. Box 572 | Anderson | Texas | 77830 | Special | |
| | Grimes County Precinct 3 Barbara Walker | Commissioner | 205 Veteran's Memorial Drive | Navasota | Texas | 77868 | Special | |
| | Grimes County Precinct 4 Phillip Cox | Commissioner | 205 Veteran's Memorial Drive | Navasota | Texas | 77868 | Special | |
| | Harris County Precinct 1 Rodney Ellis | Commissioner | 1001 Preston, 9th Floor | Houston | Texas | 77002 | Special | |
| | Harris County Precinct 2 Adrian Garcia | Commissioner | 1001 Preston, R. 924 | Houston | Texas | 77002 | Special | |
| | Harris County Precinct 4 R. Jack Cagle | Commissioner | 14444 Holderrieth Road | Tomball | Texas | 77377 | Special | |
| | Liberty County Precinct 2 Greg Arthur | Commissioner | 588 CR 2010 | Hardin | Texas | 77561 | Special | |
| | Liberty County Precinct 3 James Reaves | Commissioner | 119 S. Fenner Avenue | Cleveland | Texas | 77327 | Special | |
| | Liberty County Precinct 4 Leon Wilson | Commissioner | 1034 CR 605 | Dayton | Texas | 77535 | Special | |
| | Montgomery County Precinct 1 Mike Meador | Commissioner | 510 Highway 75 North | Willis | Texas | 77378 | Special | |
| | Montgomery County Precinct 2 Charli Riley | Commissioner | 19910 Unity Park Drive | Magnolia | Texas | 77355 | Special | |

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|---|--|--------------------------|-----------------|---------------------------------------|-------------|-------|-------|----------|-----------------|
| | Montgomery County Precinct 3 | James Noack | Commissioner | 1130 Pruitt Road | Spring | Texas | 77380 | Special | |
| | Montgomery County Precinct 4 | James Metts | Commissioner | 23628 Roberts Road | New Caney | Texas | 77357 | Special | |
| | San Jacinto County Precinct 1 | Laddie McAnally | Commissioner | P.O. Box 997 | Coldspring | Texas | 77331 | Special | |
| | San Jacinto County Precinct 2 | Donny Marrs | Commissioner | P.O. Box 203 | Shepherd | Texas | 77371 | Special | |
| | San Jacinto County Precinct 3 | David Brandon | Commissioner | 31 Lilly Yeager Loop North | Cleveland | Texas | 77327 | Special | |
| | San Jacinto County Precinct 4 | Mark Nettuno | Commissioner | 221 Boat Launch Road | Point Blank | Texas | 77364 | Special | |
| | Waller County Precinct 1 | John A. Amsler | Commissioner | 836 Austin, Suite 203 | Hempstead | Texas | 77445 | Special | |
| | Waller County Precinct 2 | Walter E. Smith | Commissioner | 836 Austin, Suite 203 | Hempstead | Texas | 77445 | Special | |
| | Waller County Precinct 3 | Jeron Barnett | Commissioner | 12620 FM 1887 | Hempstead | Texas | 77445 | Special | |
| | Waller County Precinct 4 | Justin Beckendorff | Commissioner | 3410 1st Street | Pattison | Texas | 77466 | Special | |
| | Walker County Precinct 2 | Ronnie White | Commissioner | 123 Booker Rd | Huntsville | Texas | 77340 | Special | |
| | Walker County Precinct 4 | Jimmy Henry | Commissioner | 9368 SH 75 S | New Waverly | Texas | 77358 | Special | |
| Regional Water Planning Groups | | | | | | | | | |
| | Region H Water Planning Group | Mark Evans | Chairman | 3648 Cypress Creek Parkway, Suite 110 | Houston | Texas | 77068 | Standard | |
| Regional Planning Agencies | | | | | | | | | |
| Districts and Authorities created under Texas Constitution, Article III, Chapter 52, or Article XVI, Chapter 59 | | | | | | | | | |
| | Brazos River Authority | David Collinsworth | General Manager | 4600 Cobbs Drive | Waco | Texas | 76710 | | |
| | Lone Star Conservation District | Samantha Reiter | General Manager | 655 Conroe Park North Drive | Conroe | Texas | 77303 | Standard | |
| | North Harris County Regional Water Authority | Jimmie Schindewolf, P.E. | General Manager | 3648 Cypress Creek Parkway, Suite 110 | Houston | Texas | 77068 | Standard | |
| | Trinity River Authority | Kevin Ward | General Manager | 5300 S. Collins | Arlington | Texas | 76018 | Standard | |
| Grimes County Water District | | | | | | | | | |
| | Grimes County MUD 1 | | | 1621 Milam Street Fl 3 | Houston | Texas | 77002 | Standard | not deliverable |
| Harris County Water District | | | | | | | | | |
| | Harris County FWSO 58 | | | 1 Greenway Plaza, Suite 1020 | Houston | Texas | 77046 | Standard | not deliverable |
| | Harris County MUD 48 | | | 1001 McKinney Street, Suite 1000 | Houston | Texas | 77002 | Standard | |
| | Cypress Creek Utility District | | | 10643 Mills Walk | Houston | Texas | 77070 | Standard | |
| | Spanish Cove PUD | | | 1100 Louisiana Street, Suite 400 | Houston | Texas | 77002 | Standard | not deliverable |
| | Harris County MUD 361 | | | 11111 Katy Freeway, Suite 725 | Houston | Texas | 77079 | Standard | |
| | North Park PUD | | | 112 Bammel Road | Houston | Texas | 77090 | Standard | |
| | Harris County MUD 154 | | | 11302 Tanner Road | Houston | Texas | 77041 | Standard | not deliverable |
| | Harris County MUD 151 | | | 12012 Wickchester Lane, Suite 120 | Houston | Texas | 77079 | Standard | |
| | Harris County MUD 365 | | | 12012 Wickchester Lane, Suite 120 | Houston | Texas | 77079 | Standard | |
| | Harris County MUD 391 | | | 12012 Wickchester Lane, Suite 120 | Houston | Texas | 77079 | Standard | |
| | Harris County MUD 46 | | | 12012 Wickchester Lane, Suite 120 | Houston | Texas | 77079 | Standard | |
| | Newport MUD | | | 12012 Wickchester Lane, Suite 120 | Houston | Texas | 77079 | Standard | |
| | Northeast Harris County MUD 1 | | | 12012 Wickchester Lane, Suite 120 | Houston | Texas | 77079 | Standard | |
| | Northwood MUD 1 | | | 12012 Wickchester Lane, Suite 120 | Houston | Texas | 77079 | Standard | |
| | Spring West MUD | | | 12012 Wickchester Lane, Suite 120 | Houston | Texas | 77079 | Standard | |
| | Tattor Road MUD | | | 12012 Wickchester Lane, Suite 120 | Houston | Texas | 77079 | Standard | |
| | Harris County MUD 249 | | | 1300 Post Oak Blvd, Suite 1400 | Houston | Texas | 77056 | Standard | |
| | Harris County MUD 281 | | | 1300 Post Oak Blvd, Suite 1400 | Houston | Texas | 77056 | Standard | |
| | Harris County MUD 344 | | | 1300 Post Oak Blvd, Suite 1400 | Houston | Texas | 77056 | Standard | |
| | Harris County MUD 360 | | | 1300 Post Oak Blvd, Suite 1400 | Houston | Texas | 77056 | Standard | |
| | Harris County MUD 489 | | | 1300 Post Oak Blvd, Suite 1400 | Houston | Texas | 77056 | Standard | |
| | Harris County MUD 490 | | | 1300 Post Oak Blvd, Suite 1400 | Houston | Texas | 77056 | Standard | |
| | Harris County MUD 491 | | | 1300 Post Oak Blvd, Suite 1400 | Houston | Texas | 77056 | Standard | |
| | Harris County MUD 494 | | | 1300 Post Oak Blvd, Suite 1400 | Houston | Texas | 77056 | Standard | |
| | Harris County MUD 153 | | | 1300 Post Oak Blvd, Suite 1600 | Houston | Texas | 77056 | Standard | not deliverable |
| | Harris County MUD 280 | | | 1300 Post Oak Blvd, Suite 1600 | Houston | Texas | 77056 | Standard | not deliverable |
| | Harris County MUD 282 | | | 1300 Post Oak Blvd, Suite 1600 | Houston | Texas | 77056 | Standard | not deliverable |
| | Harris County MUD 316 | | | 1300 Post Oak Blvd, Suite 1600 | Houston | Texas | 77056 | Standard | not deliverable |
| | Harris County MUD 342 | | | 1300 Post Oak Blvd, Suite 1600 | Houston | Texas | 77056 | Standard | not deliverable |
| | Harris County MUD 36 | | | 1300 Post Oak Blvd, Suite 1600 | Houston | Texas | 77056 | Standard | not deliverable |
| | Harris County MUD 367 | | | 1300 Post Oak Blvd, Suite 1600 | Houston | Texas | 77056 | Standard | not deliverable |
| | Harris County MUD 383 | | | 1300 Post Oak Blvd, Suite 1600 | Houston | Texas | 77056 | Standard | not deliverable |
| | Harris County MUD 389 | | | 1300 Post Oak Blvd, Suite 1600 | Houston | Texas | 77056 | Standard | not deliverable |
| | Harris County MUD 419 | | | 1300 Post Oak Blvd, Suite 1600 | Houston | Texas | 77056 | Standard | not deliverable |
| | Harris County MUD 434 | | | 1300 Post Oak Blvd, Suite 1600 | Houston | Texas | 77056 | Standard | not deliverable |
| | Harris County WCID 119 | | | 1300 Post Oak Blvd, Suite 1600 | Houston | Texas | 77056 | Standard | not deliverable |
| | Hunter's Glen MUD | | | 1300 Post Oak Blvd, Suite 1600 | Houston | Texas | 77056 | Standard | not deliverable |
| | Westador MUD | | | 1300 Post Oak Blvd, Suite 1600 | Houston | Texas | 77056 | Standard | not deliverable |
| | Harris County WCID 157 | | | 1300 Post Oak Boulevard, Suite 1400 | Houston | Texas | 77056 | Standard | |
| | Harris-montgomery Counties MUD 386 | | | 1300 Post Oak Boulevard, Suite 1400 | Houston | Texas | 77056 | Standard | |
| | Northpointe WCID | | | 1300 Post Oak Boulevard, Suite 1400 | Houston | Texas | 77056 | Standard | |
| | Northwest Freeway MUD | | | 1300 Post Oak Boulevard, Suite 1600 | Houston | Texas | 77056 | Standard | not deliverable |
| | Northwest Harris County MUD 10 | | | 1300 Post Oak Boulevard, Suite 1600 | Houston | Texas | 77056 | Standard | not deliverable |
| | Harris County WCID 155 | | | 1301 McKinney St., Suite 5100 | Houston | Texas | 77010 | Standard | |
| | Harris County MUD 396 | | | 1301 McKinney Street, Suite 5100 | Houston | Texas | 77010 | Standard | |
| | Harris County MUD 397 | | | 1301 McKinney Street, Suite 5100 | Houston | Texas | 77010 | Standard | |
| | Malcomson Road Utility District | | | 1345 Campbell Rd Suite 205 | Houston | Texas | 77055 | Standard | not deliverable |
| | Harris County MUD 165 | | | 1345 Campbell Road, Suite 205 | Houston | Texas | 77055 | Standard | not deliverable |
| | Harris County MUD 18 | | | 1345 Campbell Road, Suite 205 | Houston | Texas | 77055 | Standard | not deliverable |
| | Harris County MUD 221 | | | 1345 Campbell Road, Suite 205 | Houston | Texas | 77055 | Standard | not deliverable |
| | Harris County MUD 401 | | | 1345 Campbell Road, Suite 205 | Houston | Texas | 77055 | Standard | not deliverable |
| | Lake Forest Utility District | | | 1345 Campbell Road, Suite 205 | Houston | Texas | 77055 | Standard | not deliverable |
| | CY Champ PUD | | | 13455 Cutten, Suite 1A | Houston | Texas | 77069 | Standard | |
| | Harris County MUD 450 | | | 145003 W Lake Houston Parkway | Houston | Texas | 77049 | Standard | not deliverable |
| | Grant Road PUD | | | 1506 Whispering Pines | Houston | Texas | 77055 | Standard | |
| | Harris County MUD 43 | | | 1506 Whispering Pines | Houston | Texas | 77055 | Standard | |
| | Harris County WCID 116 | | | 1506 Whispering Pines | Houston | Texas | 77055 | Standard | |

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| Faulkey Gully MUD | 15503 Hermitage Oaks Drive | Tomball | Texas | 77377 | Standard | not deliverable |
| Dowdell PUD | 1621 Milam Street Fl 3 | Houston | Texas | 77002 | Standard | not deliverable |
| Harris County MUD 132 | 1621 Milam Street Fl 3 | Houston | Texas | 77002 | Standard | not deliverable |
| Harris County MUD 152 | 1621 Milam Street Fl 3 | Houston | Texas | 77002 | Standard | not deliverable |
| Harris County MUD 211 | 1621 Milam Street Fl 3 | Houston | Texas | 77002 | Standard | not deliverable |
| Harris County MUD 233 | 1621 Milam Street Fl 3 | Houston | Texas | 77002 | Standard | not deliverable |
| Harris County MUD 26 | 1621 Milam Street Fl 3 | Houston | Texas | 77002 | Standard | not deliverable |
| Harris County MUD 290 | 1621 Milam Street Fl 3 | Houston | Texas | 77002 | Standard | not deliverable |
| Harris County MUD 322 | 1621 Milam Street Fl 3 | Houston | Texas | 77002 | Standard | not deliverable |
| Harris County MUD 354 | 1621 Milam Street Fl 3 | Houston | Texas | 77002 | Standard | not deliverable |
| Harris County MUD 358 | 1621 Milam Street Fl 3 | Houston | Texas | 77002 | Standard | not deliverable |
| Harris County MUD 364 | 1621 Milam Street Fl 3 | Houston | Texas | 77002 | Standard | not deliverable |
| Harris County MUD 405 | 1621 Milam Street Fl 3 | Houston | Texas | 77002 | Standard | not deliverable |
| Harris County MUD 412 | 1621 Milam Street Fl 3 | Houston | Texas | 77002 | Standard | not deliverable |
| Harris County MUD 480 | 1621 Milam Street Fl 3 | Houston | Texas | 77002 | Standard | not deliverable |
| Harris County WCID 110 | 1621 Milam Street Fl 3 | Houston | Texas | 77002 | Standard | not deliverable |
| Harris County WCID 114 | 1621 Milam Street Fl 3 | Houston | Texas | 77002 | Standard | not deliverable |
| Harris County WCID 136 | 1621 Milam Street Fl 3 | Houston | Texas | 77002 | Standard | not deliverable |
| Louetta North PUD | 1621 Milam Street Fl 3 | Houston | Texas | 77002 | Standard | not deliverable |
| Louetta Road Utility District | 1621 Milam Street Fl 3 | Houston | Texas | 77002 | Standard | not deliverable |
| Luce Bayou PUD | 1621 Milam Street Fl 3 | Houston | Texas | 77002 | Standard | not deliverable |
| Meadowhill Regional MUD | 1621 Milam Street Fl 3 | Houston | Texas | 77002 | Standard | not deliverable |
| Northgate Crossing MUD 1 | 1621 Milam Street Fl 3 | Houston | Texas | 77002 | Standard | not deliverable |
| Northgate Crossing MUD 2 | 1621 Milam Street Fl 3 | Houston | Texas | 77002 | Standard | not deliverable |
| Northwest Harris County MUD 19 | 1621 Milam Street Fl 3 | Houston | Texas | 77002 | Standard | not deliverable |
| Northwest Harris County MUD 20 | 1621 Milam Street Fl 3 | Houston | Texas | 77002 | Standard | not deliverable |
| Northwest Harris County MUD 28 | 1621 Milam Street Fl 3 | Houston | Texas | 77002 | Standard | not deliverable |
| Northwest Harris County MUD 30 | 1621 Milam Street Fl 3 | Houston | Texas | 77002 | Standard | not deliverable |
| Northwest Harris County MUD 32 | 1621 Milam Street Fl 3 | Houston | Texas | 77002 | Standard | not deliverable |
| Northwest Harris County MUD 36 | 1621 Milam Street Fl 3 | Houston | Texas | 77002 | Standard | not deliverable |
| Pine Bough PUD | 1621 Milam Street Fl 3 | Houston | Texas | 77002 | Standard | not deliverable |
| Prestonwood Forest Utility District | 1621 Milam Street Fl 3 | Houston | Texas | 77002 | Standard | not deliverable |
| Richey Road MUD | 1621 Milam Street Fl 3 | Houston | Texas | 77002 | Standard | not deliverable |
| Terranova West MUD | 1621 Milam Street Fl 3 | Houston | Texas | 77002 | Standard | not deliverable |
| Timber Lane Utility District | 1621 Milam Street Fl 3 | Houston | Texas | 77002 | Standard | not deliverable |
| Timberlake Improvement District | 1621 Milam Street Fl 3 | Houston | Texas | 77002 | Standard | not deliverable |
| Woodcreek MUD | 1621 Milam Street Fl 3 | Houston | Texas | 77002 | Standard | not deliverable |
| Cypress Forest PUD | 16215 Champion Forest Drive | Spring | Texas | 77379 | Standard | |
| Charterwood MUD | 16444 Cutten Road | Houston | Texas | 77070 | Standard | |
| Ponderosa Forest Utility District | 17111 Rolling Creek Drive, Suite 108 | Houston | Texas | 77090 | Standard | |
| Cypresswood Utility District | 17495 Village Green Drive | Houston | Texas | 77040 | Standard | |
| Bridgestone MUD | 19720 Kuykendahl | Spring | Texas | 77379 | Standard | |
| Harris County MUD 551 | 1980 Post Oak Blvd, Suite 1380 | Houston | Texas | 77056 | Standard | |
| Harris Montgomery Counties Management District | 1980 Post Oak Boulevard, Suite 1380 | Houston | Texas | 77056 | Standard | |
| Harris County Improvement District 14 | 1980 S Post Oak Lane #1580 | Houston | Texas | 77056 | Standard | not deliverable |
| Harris County MUD 368 | 200 River Pointe Drive, Suite 240 | Conroe | Texas | 77304 | Standard | not deliverable |
| Shasla PUD | 200 River Pointe Drive, Suite 240 | Conroe | Texas | 77304 | Standard | not deliverable |
| Harris County MUD 1 | 2727 Allen Parkway, Suite 1100 | Houston | Texas | 77019 | Standard | |
| Harris County FWSD 52 | 2929 Allen Parkway, Suite 3150 | Houston | Texas | 77019 | Standard | |
| Bilma PUD | 2929 Allen Parkway, Suite 3450 | Houston | Texas | 77019 | Standard | |
| Harris County WCID 70 | 2935 Foley Road | Crosby | Texas | 77532 | Standard | |
| Harris County MUD 106 | 3200 Southwest Freeway, Suite 2600 | Houston | Texas | 77027 | Standard | |
| Harris County MUD 230 | 3200 Southwest Freeway, Suite 2600 | Houston | Texas | 77027 | Standard | |
| Harris County MUD 319 | 3200 Southwest Freeway, Suite 2600 | Houston | Texas | 77027 | Standard | |
| Harris County MUD 423 | 3200 Southwest Freeway, Suite 2600 | Houston | Texas | 77027 | Standard | |
| Harris County MUD 468 | 3200 Southwest Freeway, Suite 2600 | Houston | Texas | 77027 | Standard | |
| Harris County MUD 503 | 3200 Southwest Freeway, Suite 2600 | Houston | Texas | 77027 | Standard | |
| Harris County MUD 530 | 3200 Southwest Freeway, Suite 2600 | Houston | Texas | 77027 | Standard | |
| Harris County MUD 531 | 3200 Southwest Freeway, Suite 2600 | Houston | Texas | 77027 | Standard | |
| Harris County MUD 542 | 3200 Southwest Freeway, Suite 2600 | Houston | Texas | 77027 | Standard | |
| CNP Utility District | 3700 Buffalo Speedway, Suite 830 | Houston | Texas | 77098 | Standard | |
| Harris County MUD 387 | 406 W. Grand Pkwy. S., Suite 260 | Katy | Texas | 77494 | Standard | |
| Cypress Hill MUD 1 | 5118 Spring Cypress Road | Spring | Texas | 77379 | Standard | |
| Cypress-Klein Utility District | 5118 Spring Cypress Road | Spring | Texas | 77379 | Standard | |
| Crosby MUD | 5507 Ave C | Crosby | Texas | 77532 | Standard | not deliverable |
| Kings Manor MUD | 5635 NW Central Drive, Suite 104E | Houston | Texas | 77092 | Standard | |
| Harris County Improvement District 18 | 5805 Westview Drive | Houston | Texas | 77055 | Standard | |
| Old Town Spring Improvement District | 606 Spring Cypress Road | Spring | Texas | 77373 | Standard | |
| Sheldon Road MUD | 9419 Lamkin | Houston | Texas | 77049 | Standard | |
| Harris County WCID 99 | P.O. Box 11750 | Spring | Texas | 77391 | Standard | |
| Harris County MUD 286 | P.O. Box 11890 | Houston | Texas | 77391 | Standard | |
| Kleinwood MUD | P.O. Box 11890 | Spring | Texas | 77391 | Standard | |
| Memorial Hills Utility District | P.O. Box 11890 | Spring | Texas | 77391 | Standard | |
| Spring Creek Forest PUD | P.O. Box 11890 | Spring | Texas | 77391 | Standard | |
| Encanto Real Utility District | P.O. Box 1627 | Spring | Texas | 77383 | Standard | |
| Harris County MUD 44 | P.O. Box 579 | Spring | Texas | 77383 | Standard | |
| Bammel Utility District | P.O. Box 695 | Spring | Texas | 77383 | Standard | |
| Harris County MUD 24 | P.O. Box 73109 | Houston | Texas | 77273 | Standard | |
| Harris County MUD 82 | P.O. Box 73109 | Houston | Texas | 77273 | Standard | |
| Harris County WCID 91 | P.O. Box 73109 | Houston | Texas | 77273 | Standard | |

Eagle Water Management
Eagle Water Management

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| | Klein PUD | | P.O. Box 73109 | Houston | Texas | 77273 | Standard | |
| | Harris County MUD 109 | | P.O. Box 80 | Tomball | Texas | 77377 | Standard | |
| | Harris County WCID 132 | | P.O. Box 80 | Tomball | Texas | 77377 | Standard | |
| | Harris County WCID 92 | | P.O. Box 80 | Tomball | Texas | 77377 | Standard | |
| | Heatherloch MUD | | P.O. Box 80 | Tomball | Texas | 77377 | Standard | |
| | Inverness Forest Improvement District | | P.O. Box 80 | Tomball | Texas | 77377 | Standard | |
| | Northampton MUD | | P.O. Box 80 | Tomball | Texas | 77377 | Standard | |
| | Northwest Harris County MUD 15 | | P.O. Box 80 | Tomball | Texas | 77377 | Standard | |
| | Oakmont Public Utility District | | P.O. Box 80 | Tomball | Texas | 77377 | Standard | |
| | H-M-W SUD | | P.O. Box 837 | Pinehurst | Texas | 77362 | Standard | |
| | Harris County MUD 104 | | P.O. Box 890466 | Houston | Texas | 77289 | Standard | |
| | Harris County MUD 275 | | P.O. Box 890466 | Houston | Texas | 77289 | Standard | |
| | Harris County WCID 113 | | P.O. Box 890466 | Houston | Texas | 77289 | Standard | |
| | Northwest Harris County MUD 5 | | P.O. Box 890466 | Houston | Texas | 77289 | Standard | |
| | Northwest Harris County MUD 9 | | P.O. Box 890466 | Houston | Texas | 77289 | Standard | |
| | Post Wood MUD | | P.O. Box 897 | Spring | Texas | 77383 | Standard | |
| | Grand Northwest MUD | | | | | | Standard | |
| | Harris County MUD 273 | | | | | | Standard | |
| | Harris County MUD 415 | | | | | | Standard | |
| | Harris County MUD 416 | | | | | | Standard | |
| | Harris County MUD 418 | | | | | | Standard | |
| | Harris County MUD 465 | | | | | | Standard | |
| | Harris County MUD 499 | | | | | | Standard | |
| | Harris County MUD 525 | | | | | | Standard | |
| | Northgate Crossing Road Utility District | | | | | | Standard | |
| | Tower Oaks Plaza MUD | | | | | | Standard | |
| | Waller Town Center Management District | | | | | | Standard | |
| Liberty County Water District | | | | | | | | |
| | Liberty County MMD 1 | | | | | | Standard | |
| | Liberty County MUD 7 | | | | | | Standard | |
| | Liberty Lakes FWSD 1 | | | | | | Standard | |
| | Tarkington SUD | | 19396 Highway 321 | Cleveland | Texas | 77327 | Standard | |
| Other Montgomery County Water District | | | | | | | | |
| | Montgomery County MUD 56 | Clarence Bull | President and Investment Officer | 10000 Memorial Drive, Suite 260 | Houston | Texas | 77024 | Standard |
| | Chateau Woods MUD | David Schoop | Board President | 10224 Fairview Drive | Conroe | Texas | 77385 | Standard |
| | Roman Forest PUD 3 | | | 103 Kerry Road | Highlands | Texas | 77562 | Standard |
| | Far Hills Utility District | James Marvin Haymon | Board President | 10320 Cude Cemetery Road | Willis | Texas | 77318 | Standard |
| | Montgomery County Drainage District 6 | | | 1100 Louisiana Street, Suite 400 | Houston | Texas | 77002 | Standard |
| | Montgomery County FWS D 6 | | | 12081 Lakeview Manor Drive | Willis | Texas | 77318 | Standard |
| | Montgomery County MUD 126 | Gary Calfee | Board President | 1300 Post Oak Blvd, Suite 1400 | Houston | Texas | 77056 | Standard |
| | Montgomery County MUD 83 | | | 1300 Post Oak Blvd, Suite 1400 | Houston | Texas | 77056 | Standard |
| | Montgomery County MUD 84 | | | 1300 Post Oak Blvd, Suite 1400 | Houston | Texas | 77056 | Standard |
| | Montgomery County MUD 94 | Jim Spitzmiller | Board President | 1300 Post Oak Blvd, Suite 1400 | Houston | Texas | 77056 | Standard |
| | Montgomery County MUD 95 | | | 1300 Post Oak Blvd, Suite 1400 | Houston | Texas | 77056 | Standard |
| | Montgomery County MUD 96 | Robert C. Watson | Board President | 1300 Post Oak Blvd, Suite 1400 | Houston | Texas | 77056 | Standard |
| | Montgomery County MUD 98 | | | 1300 Post Oak Blvd, Suite 1600 | Houston | Texas | 77056 | Standard |
| | Wood Trace MUD 1 | | | 1300 Post Oak Blvd, Suite 1600 | Houston | Texas | 77056 | Standard |
| | Montgomery County MUD 18 | | | 1345 Campbell Road, Suite 205 | Houston | Texas | 77056 | Standard |
| | Montgomery County MUD 42 | | | 1506 Whispering Pines | Houston | Texas | 77055 | Standard |
| | Montgomery County Utility District 3 | | | 1506 Whispering Pines | Houston | Texas | 77055 | Standard |
| | Montgomery County MUD 112 | | | 1621 Milam Street Fl 3 | Houston | Texas | 77002 | Standard |
| | Montgomery County MUD 115 | | | 1621 Milam Street Fl 3 | Houston | Texas | 77002 | Standard |
| | Montgomery County MUD 15 | | | 1621 Milam Street Fl 3 | Houston | Texas | 77002 | Standard |
| | Montgomery County MUD 24 | | | 1621 Milam Street Fl 3 | Houston | Texas | 77002 | Standard |
| | Montgomery County MUD 88 | | | 1621 Milam Street Fl 3 | Houston | Texas | 77002 | Standard |
| | Montgomery County MUD 99 | | | 1621 Milam Street Fl 3 | Houston | Texas | 77002 | Standard |
| | Roman Forest PUD 4 | | | 1621 Milam Street Fl 3 | Houston | Texas | 77002 | Standard |
| | Corinthian Point MUD 2 | John Burgin | Board President | 17707 Old Louetta | Houston | Texas | 77070 | Standard |
| | Lazy River Improvement District | Mike Edwards | Board President | 17707 Old Louetta | Houston | Texas | 77070 | Standard |
| | Montgomery County MUD 132 | Brandon Macey | Board President | 1980 Post Oak Blvd, Suite 1380 | Houston | Texas | 77056 | Standard |
| | Montgomery County MUD 141 | Scott Day | Board President | 1980 Post Oak Blvd, Suite 1380 | Houston | Texas | 77056 | Standard |
| | Montgomery County MUD 173 | Juan Galvan | Board President | 1980 Post Oak Blvd, Suite 1380 | Houston | Texas | 77056 | Standard |
| | Montgomery County MUD 8 | | | 200 River Pointe, Suite 240 | Conroe | Texas | 77304 | Standard |
| | Montgomery County MUD 9 | | | 200 River Pointe, Suite 240 | Conroe | Texas | 77304 | Standard |
| | Montgomery County MUD 121 | James D. Pell | Board President | 202 Century Square Blvd. | Sugar Land | Texas | 77478 | Standard |
| | East Montgomery County Improvement District | Frank McCrady | President/CEO | 21575 US Highway 59 North, Suite 200 | New Caney | Texas | 77357 | Standard |
| | Porter SUD | | | 22162 Water Well Road | Porter | Texas | 77365 | Standard |
| | Southern Montgomery County MUD | | | 25212 Interstate Highway 45 | Spring | Texas | 77386 | Standard |
| | Montgomery County MUD 127 | John Dee Vaughn | Board President | 2727 Allen Parkway, Suite 1100 | Houston | Texas | 77019 | Standard |
| | Rayford Road MUD | | | 2727 Allen Parkway, Suite 1100 | Houston | Texas | 77019 | Standard |
| | Spring Creek Utility District | Dale Healy | Board President | 27316 Spectrum Way | Oak Ridge North | Texas | 77385 | Standard |
| | Lake Conroe Hills MUD | James R. Schmidt | Board President | 2929 Allen Parkway, Suite 3450 | Houston | Texas | 77019 | Standard |
| | Conroe MUD 1 | David Townsend | Board President | 3200 Southwest Freeway, Suite 2600 | Houston | Texas | 77027 | Standard |
| | East Montgomery County MUD 12 | Rachel Maybray | Board President | 3200 Southwest Freeway, Suite 2600 | Houston | Texas | 77027 | Standard |
| | Montgomery County MUD 107 | Ken Schoppe | Board President | 3200 Southwest Freeway, Suite 2600 | Houston | Texas | 77027 | Standard |
| | Montgomery County MUD 113 | | | 3200 Southwest Freeway, Suite 2600 | Houston | Texas | 77027 | Standard |
| | Montgomery County MUD 137 | Robert S. Wempe | Board President | 3200 Southwest Freeway, Suite 2600 | Houston | Texas | 77027 | Standard |
| | Montgomery County MUD 138 | Guillermo Machado | Board President | 3200 Southwest Freeway, Suite 2600 | Houston | Texas | 77027 | Standard |
| | Montgomery County MUD 145 | Robert Graham | Board President | 3200 Southwest Freeway, Suite 2600 | Houston | Texas | 77027 | Standard |
| | Montgomery County MUD 149 | Walt Rosenbusch | Board President | 3200 Southwest Freeway, Suite 2600 | Houston | Texas | 77027 | Standard |

| | | | | | | | | |
|---|--------------------------------|---------------------------------------|------------------------------------|-----------------------------------|------------|-------|----------|-----------------|
| Montgomery County MUD 150 | Phillip Dautrich | Board President | 3200 Southwest Freeway, Suite 2600 | Houston | Texas | 77027 | Standard | |
| Montgomery County MUD 151 | P. "Blake" McGregor | Board President | 3200 Southwest Freeway, Suite 2600 | Houston | Texas | 77027 | Standard | |
| Montgomery County MUD 89 | Paul Cote | Board President | 3200 Southwest Freeway, Suite 2600 | Houston | Texas | 77027 | Standard | |
| Valley Ranch Medical Center Management District | Gregory P. Schneider | Board President | 3200 Southwest Freeway, Suite 2600 | Houston | Texas | 77027 | Standard | |
| Valley Ranch MUD 1 | Chris Baughman | Board President | 3200 Southwest Freeway, Suite 2600 | Houston | Texas | 77027 | Standard | |
| Valley Ranch Town Center Management District | Temple Brown | Board President | 3200 Southwest Freeway, Suite 2600 | Houston | Texas | 77027 | Standard | |
| Woodridge MUD | Joseph Manning | Board President | 3200 Southwest Freeway, Suite 2600 | Houston | Texas | 77027 | Standard | |
| East Montgomery County MUD 3 | Andrew Persson | Board President | 3700 Buffalo Speedway, Suite 830 | Houston | Texas | 77098 | Standard | |
| East Montgomery County MUD 4 | Raymond Hedden | Board President | 3700 Buffalo Speedway, Suite 830 | Houston | Texas | 77098 | Standard | |
| East Plantation Utility District | William B. Knapp | Board President | 447 Cumberland Trail | Conroe | Texas | 77302 | Standard | |
| Montgomery County MUD 119 | | | 4600 Highway 6 North, Suite 315 | Houston | Texas | 77084 | Standard | not deliverable |
| Montgomery County MUD 19 | | | 5 Grogans Park, Suite 112 | Spring | Texas | 77380 | Standard | not deliverable |
| Montgomery County MUD 90 | | | 501 N. Thompson Street, Suite 401 | Conroe | Texas | 77301 | Standard | |
| Grand Oaks MUD | | | 5635 NW Central Drive, Suite 104E | Houston | Texas | 77092 | Standard | |
| Roman Forest Consolidated MUD | Billy W. Goss | Board President | 6750 West Loop South, Suite 865 | Bellaire | Texas | 77401 | Standard | |
| Texas National MUD | LaVerne Woodruff | Board President | 704 North Thompson Street | Conroe | Texas | 77301 | Standard | |
| Stanley Lake MUD | Kerry Masson | Board President | 875 Lake View Drive | Montgomery | Texas | 77356 | Standard | |
| Montgomery County Utility District 4 | | | 9 Greenway Plaza, Suite 1000 | Houston | Texas | 77046 | Standard | |
| Blaketree MUD 1 of Montgomery County | Tammy Pizzitola | President | 9 Greenway Plaza, Suite 1100 | Houston | Texas | 77046 | Standard | |
| Clovercreek MUD | Anthony Roubik | Board President | 9 Greenway Plaza, Suite 1100 | Houston | Texas | 77046 | Standard | |
| East Montgomery County MUD 5 | John G. Patterson | Board President | 9 Greenway Plaza, Suite 1100 | Houston | Texas | 77046 | Standard | |
| East Montgomery County MUD 6 | Todd Mueller | Board President | 9 Greenway Plaza, Suite 1100 | Houston | Texas | 77046 | Standard | |
| East Montgomery County MUD 7 | Beau Kaleel | Board President | 9 Greenway Plaza, Suite 1100 | Houston | Texas | 77046 | Standard | |
| Montgomery County MUD 111 | Brett Beardsley | Board President | 9 Greenway Plaza, Suite 1100 | Houston | Texas | 77046 | Standard | |
| Montgomery County MUD 92 | | | East O Ffm 1314 And Bisecte | Conroe | Texas | 77385 | Standard | not deliverable |
| Montgomery County Utility District 2 | | | P. O. Box 690406 | Houston | Texas | 77269 | Standard | |
| Porter MUD | | | P.O. Box 1030 | Porter | Texas | 77365 | Standard | |
| Point Aquarius MUD | | | P.O. Box 11890 | Spring | Texas | 77391 | Standard | |
| New Caney MUD | | | P.O. Box 1799 | New Caney | Texas | 77357 | Standard | |
| Montgomery County MUD 16 | | | P.O. Box 690406 | Houston | Texas | 77269 | Standard | |
| River Plantation MUD | | | P.O. Box 747 | Conroe | Texas | 77305 | Standard | |
| Montgomery County WCID 1 | | | P.O. Box 7690 | The Woodlands | Texas | 77387 | Standard | |
| Blaketree MUD 2 of Montgomery County | | | | | | | Standard | |
| Cleveland MUD 1 | | | | | | | Standard | |
| Montgomery County Drainage District 10 | | | | | | | Standard | |
| Montgomery County MUD 108 | | | | | | | Standard | |
| Montgomery County MUD 116 | | | | | | | Standard | |
| Montgomery County MUD 123 | | | | | | | Standard | |
| Montgomery County MUD 124 | | | | | | | Standard | |
| Montgomery County MUD 128 | | | | | | | Standard | |
| Montgomery County MUD 142 | | | | | | | Standard | |
| Montgomery County MUD 148 | | | | | | | Standard | |
| Montgomery County MUD 154A | | | | | | | Standard | |
| Montgomery County MUD 157 | | | | | | | Standard | |
| Montgomery County MUD 158 | | | | | | | Standard | |
| Montgomery County WCID 4 | | | | | | | Standard | |
| Trinity Lakes MUD of Montgomery County | | | | | | | Standard | |
| Wood Trace MUD 4A | | | | | | | Standard | |
| Wood Trace MUD 4B | | | | | | | Standard | |
| Walker County Water District | | | | | | | | |
| | Phelps SUD | Roark Rohe | General Manager | 455 FM 2296 | Huntsville | Texas | 77340 | Standard |
| Waller County Water District | | | | | | | | |
| | Kickapoo FWSD of Waller County | | | 12012 Wickchester Lane, Suite 120 | Houston | Texas | 77079 | Standard |
| | Waller County MUD 33 | | | | | | | Standard |
| Non-Profit (Other) | | | | | | | | |
| Bayou Land Conservancy | Jill Boullion | Executive Director | 10330 Lake Road, Building J | Houston | Texas | 77070 | Special | |
| HARC | Lisa Gonzalez | President and Chief Executive Officer | 8801 Gosling Road | The Woodlands | Texas | 77381 | Standard | |
| Houston-Galveston Area Council | Charles Wemple | Executive Director | 3555 Timmons Lane, Suite 100 | Houston | Texas | 77027 | Standard | |
| North Houston Association | | | 16825 Northchase Drive #160 | Houston | Texas | 77060 | Standard | |

ALL SENT ON 9.25

COLOR-CODED LEGEND

Single letter sent to multiple MUDS at 1300 Post Oak Blvd, Suite 1600

Single letter sent to multiple MUDS at 200 River Pointe, Suite 240

Single letter sent to multiple MUDS at 1621 Milam Street Fl 3


Single letter sent to multiple MUDS at 1345 Campbell Road, Suite 205

ATTACHMENT B

FLOOD APPLICATION AFFIDAVIT TWDB-0171

1. in accordance with the 2020 Flood Intended Use Plan, the San Jacinto River Authority (city, county, district, authority) has acted cooperatively with other political subdivisions to address flood control needs in the area in which the eligible political subdivisions are located; and
2. in accordance with the 2020 Flood Intended Use Plan, all eligible political subdivisions substantially affected by the proposed flood project have participated in the process of developing the proposed flood project.

SWORN TO AND SUBSCRIBED BEFORE ME, by Jace A. Houston
on this 7th day of October, 2020.

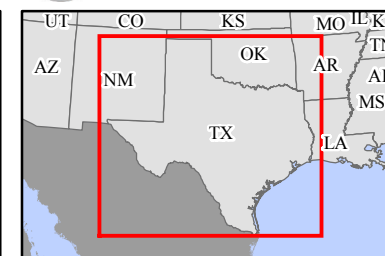
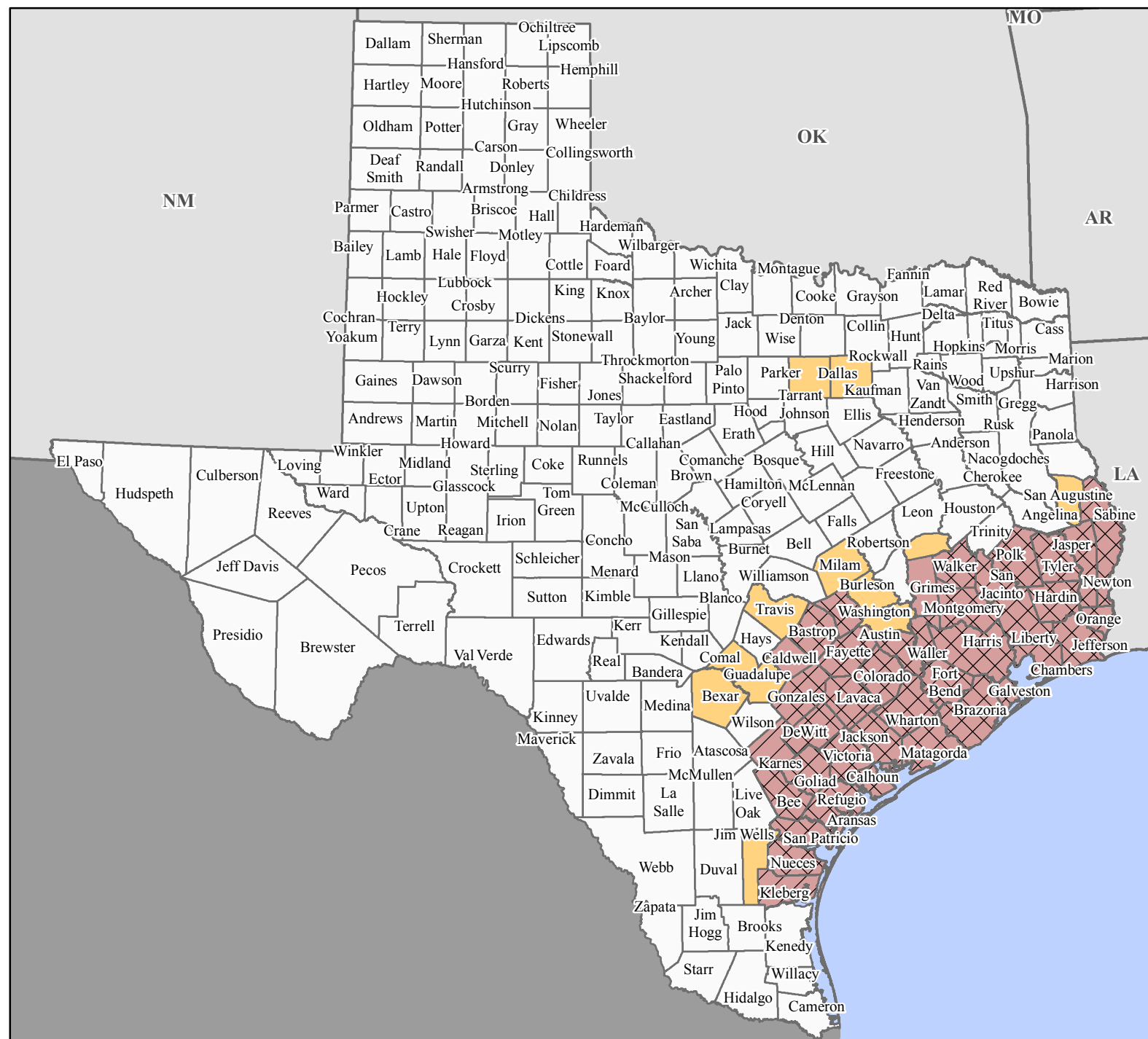
_____, 2020.

 Notary Public, State of Texas

ATTACHMENT C
FLOOD DISASTER DECLARATIONS

FEMA-4332-DR, Texas Disaster Declaration as of 10/11/2017



FEMA



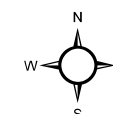
Data Layer/Map Description:

The types of assistance that have been designated for selected areas in the State of Texas.

All designated areas in the State of Texas are eligible to apply for assistance under the Hazard Mitigation Grant Program.

Designated Counties

- No Designation
- Public Assistance
- Individual Assistance and Public Assistance
- Public Assistance (Category B)
- Individual Assistance and Public Assistance (Categories A and B)
- Individual Assistance and Public Assistance (Categories A - G)



0 40 80 120 160
Miles

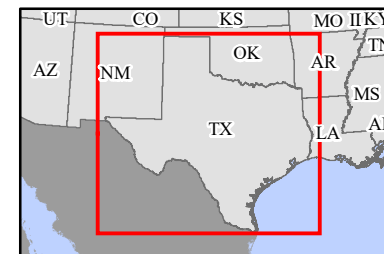
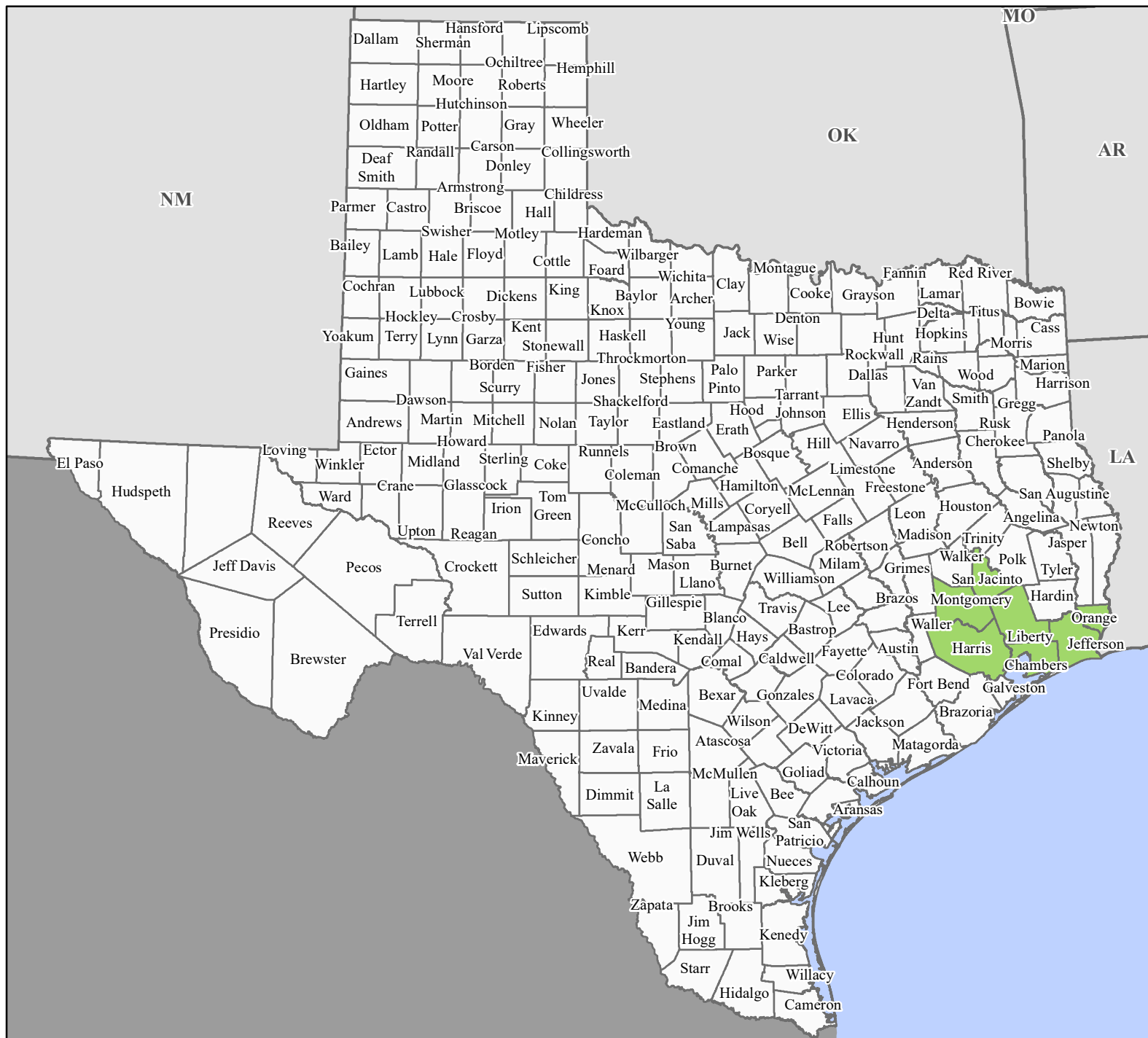
Data Sources:

FEMA, ESRI;
Initial Declaration: 08/25/2017
Disaster Federal Registry Notice:
Amendment #10 - 10/11/2017
Datum: North American 1983
Projection: Lambert Conformal Conic

FEMA-4466-DR, Texas Disaster Declaration as of 10/24/2019



FEMA



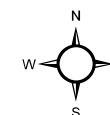
Data Layer/Map Description:

The types of assistance that have been designated for selected areas in the State of Texas.

All areas within the State of Texas are eligible for assistance under the Hazard Mitigation Grant Program.

Designated Counties

- No Designation
- Individual Assistance



0 40 80 120 160
Miles

Data Sources:

FEMA, ESRI;
Initial Declaration: 10/04/2019
Disaster Federal Registry Notice:
Amendment #1: 10/24/2019
Datum: North American 1983
Projection: Lambert Conformal Conic

ATTACHMENT D
SCOPE OF WORK

Attachment D
Upper San Jacinto River Basin Regional Sedimentation Study
Scope of Work

General Summary

The San Jacinto River Authority (SJRA) is submitting an application to the Texas Water Development Board (TWDB) for a Flood Infrastructure Fund (FIF) grant to develop a Regional Sediment Management Plan for the Upper San Jacinto Watershed and will be the lead agency for the study. The study is expected to be funded partially by the TWDB FIF grant and partially by local funds from SJRA and several funding partners including the City of Humble, City of Houston, and Harris County Flood Control District (HCFCD). The majority of the scope below will be provided by a consulting engineer.

Sedimentation in the San Jacinto watershed's rivers and streams has been well documented over the last several decades. Flooding in communities along these water bodies has been studied multiple times over a similar time scale. Tremendous amounts of resources have been spent studying, designing and implementing strategies to mitigate sedimentation and flood damage. The relationship between sedimentation and reduction of floodway conveyance is well understood but a gap exists in the San Jacinto watershed linking the resources used for sediment mitigation and resources used for flood mitigation. This regional sediment management study and resulting plan will fill this gap by tapping into the resources already used to map and predict these two phenomena. The resulting connection will create a cost effective, sustainable sediment management plan for the watershed upstream of the Lake Houston Dam.

This plan was informed by the EPA's nine minimum elements of a successful watershed plan and the template used by the US Army Corps of Engineers in developing regional sediment management plans. These templates were adopted and adapted for this plan to capture the elements that have led to successful watershed sediment management plans. This plan utilizes a common theme in sediment management, a sediment budget to develop sediment management strategies. A sediment budget is a simple accounting procedure which quantifies sediment leaving the watershed, referred to as sediment output and sediment entering the watershed, referred to as sediment input. The difference between sediment output and sediment input represents the sediment stored within the system, "sediment storage".

A sediment budget for the entire San Jacinto watershed, and a sediment budget for smaller areas (subwatersheds) within the San Jacinto watershed will be created. Establishing sediment budgets at a smaller spatial scale will identify subwatersheds who produce more sediment than others or which subwatersheds naturally store more sediments than others.

This plan will prioritize subwatersheds and locate individual locations of sediment production or sediment storage. Next the plan will describe non-construction best management practices and construction best management practices whose goal is to reduce sediment inputs or enhance sediment storage to mitigate the loss of floodway conveyance. Typical conceptual solutions will be developed for construction best management practices. A typical conceptual solution will also include narrative describing the goal of the proposed solution and the geomorphic conditions the solution can be applied

to. Typical conceptual solutions will then be applied to individual locations of sediment production or sediment storage to develop site specific projects. Site specific projects will include an estimated implementation cost, a plan view exhibit of the proposed project and narrative describing potential environmental permit requirements and subsequent analysis needed to complete the design. Site specific projects will be ranked in order to be completed as part of an implementation strategy.

Task 1101– Project Management

- A. Kickoff Meeting – Attend the initial planning kickoff meeting to discuss planning goals and objectives, review the project schedule, and discuss deliverables and other relevant items.
- B. Project Coordination Meetings – Attend up to 24 project coordination meetings with SJRA via teleconference.
- C. SJRA Executive Briefings – Attend up to two (2) executive briefings for SJRA. Attend up to two (2) pre-meetings for each Executive Briefing.
- D. Coordination Meetings with Study Partners – Attend up to six (6) meetings with study partners.
- E. Public Outreach and Stakeholder Briefings – Assist SJRA in developing community outreach materials suitable to convey information to the public about the study purpose, findings, and recommendations. Attend up to four (4) Project Stakeholder meetings to provide study updates to interested parties in the project area.
- F. Routine Project Controls – Based on an estimated schedule of 24 months, Coordinate with SJRA and SJRA’s grant administrator, provide internal project management of staff, prepare invoices for effort, and provide progress reports summarizing effort.

Task 1102 - Inventory Available Existing Data and Watershed Characterization

- A. Inventory Available Existing Data

SJRA will assist the Consultant with the acquisition and organization of data related to completing the sediment study for the Upper San Jacinto River basin.

- 1. Collect all existing physical data such as: soils, land use, impervious cover, development models, topography, hydrography and regional geology.
- 2. Acquire and run the effective RAS model and preliminary RAS model to be used for basic flow data evaluation that may be used in detailed analysis in later tasks.
- 3. Obtain latest land use data, compare to recent (10-year old to 20-year old) land use data. Repeat for older land use data (20-year old to 50-year old data). Provide historic context of anthropogenic activities within watershed.
- 4. Using surficial geology data, locate Deweyville terraces and highly erodible soils.
- 5. Obtain and trim effective LiDAR (the LiDAR obtained approximately in 2008 to make the effective RAS model) and the preliminary LiDAR (the LiDAR obtained in 2017 to make the preliminary RAS model) to valley corridors. Extract effective LiDAR topography at cross sections used in the preliminary RAS model.

6. Identify sources of readily available historic aerial photography that are georeferenced or can be quickly georeferenced and rectify to common datum.
7. List streams within the San Jacinto watershed which have a Total Daily Maximum Load (TMDL) listing for sediments. Obtain TCEQ or EPA spatial data and map locations where stream water quality is impaired or sensitive. Map locations surface water is used for municipal drinking water and map readily available permits for large surface water extraction for industrial or agricultural purposes. Write the Existing Data Inventory Memo summarizing the review of existing data that is available to develop the San Jacinto watershed sediment budget and submit a Draft Memo for review. Organize feedback and comments and submit the Amended Memo. Incorporate additional comments and submit Final Memo. The summary will not exceed 4 pages excluding exhibits.
8. Meet with SJRA and funding partners to review the stand-alone chapters produced from Task 1103 and Task 1102.

B. Upper San Jacinto River Watershed Characterization

This sub-task will serve as the initial screening to define watersheds that have similitude in the defining parameters that can be used to characterize the condition and physical setting of each sub-watershed within the Upper San Jacinto River basin. After grouping sub-watersheds into 3-5 categories, coordinating discussions with stakeholders and evaluating the known problem areas, the SJRA and Consultant will determine which 3 sub-basins will be used as calibration watersheds. These will form the basis of extrapolating sediment loading and storage estimates to other sub-basins that were found to have similar boundary conditions.

1. Group sub-watersheds by defining boundary conditions such as: land use cover type, slopes, topography, average valley slope, and length-width ratio, valley soils, and geology of the San Jacinto watershed.
2. Conduct a long-term trend analysis using the applicable data to evaluate changes in land use and impervious % over 10-year and 20-year timeframes.
3. Identify and map locations of known projects in the watershed whose goal was to improve channel conveyance, stabilized streams or removed sediment.
4. Develop sediment questionnaire. Questionnaire will be sent electronically to stakeholders to obtain information regarding known flood conveyance problems due to sedimentation. Questionnaire will also capture location and scope of sediment removal, stream stabilization or other flood conveyance projects. Develop GIS shapefiles of questionnaire responses and produce maps.
5. Write a Watershed Characterization Memo summarizing findings and methods and submit a Draft Memo for review. Organize feedback and comments and submit the Amended Memo. Incorporate additional comments and submit Final Memo. The summary will not exceed 5 pages excluding exhibits.

Task Deliverables

1. Existing Data Inventory Memo - This Memo will be a stand-alone chapter submitted to the SJRA and HCFCF for review. It will be incorporated into the final Regional Sediment Management Plan as part of task 1110. The memo will be provided as a .pdf. A Draft Memo, Amended Memo and Final Memo will be submitted.
2. Meeting Agenda, Facilitation and Notes - Prepare for and facilitate the meeting to review watershed characterization, confirm subwatershed boundaries and sediment budget protocols.
3. Watershed Characterization Memo - The Watershed Characterization Memo will be a standalone chapter submitted to the SJRA and funding partners for review. It will be incorporated into the final Regional Sediment Management Plan as part of task 1110. The memo will be provided as a .pdf. A Draft Memo, Amended Memo and Final Memo will be submitted.

Task 1103 - San Jacinto Watershed's Annual Sediment Supply and Storage

This task is intended to quantify the annual sediment budget for the Study site. Due to time, resource and budget considerations, this task is modeled around the EPA WARSSS methodology. Detailed assessments for sediment supply and storage will be conducted on three sub-basins that will allow for extrapolation of sediment processes within the Upper San Jacinto River. Sediment supply may be categorized as "hillslope" or "channel" initiated processes. Per convention, each of these processes will be evaluated in detail for calibration watersheds. Specific areas of concern based on known problem areas and Aggregate Production facilities will also be evaluated in the field to provide a measured basis for expansion to the overall watershed. Sediment storage will be evaluated using dendrogeomorphic methods to determine sediment accretion rates in depositional areas that contain perennial, woody vegetation.

A. Hillslope Processes

1. Utilize the RUSLE model to evaluate sediment delivery from hillslope processes for each of the selected calibration level watersheds.
2. Conduct "window survey" to validate RUSLE model parameters. If land use, soils or other variables do not appear consistent with the initial model, revise the model to fit observed conditions.

B. Channel Processes

1. Conduct reach-level streambank erosion assessments using dendrogeomorphic methods to determine average annual erosion rates for a range of bank erosion index (BEHI) values.
2. Compile an EPA – "BANCS" model to determine the combined loading rates from 3-5 calibration reaches for each calibration watershed. The BANCS model will be conducted on a minimum of 500' of channel to represent a full range of BEHI values to adequately derive a composite bank erosion rate.
3. Develop a lateral erosion rate curve from dendrogeomorphic methods. A regression relationship will relate annual erosion rates to BEHI score (numerical value).

C. Floodplain Storage

1. Conduct floodplain sediment accretion rate analysis of depositional features using dendrogeomorphic methods. Locate woody stems in minimum of 5 depositional features on the floodplain and collect adventitious root samples.
2. Record the depth of sediment to the root sample. Determine the age of the collected roots and derive an average depositional rate of sediment within the system.
3. Determine the volume of sediment being stored/sequestered within the floodplain surface.
4. Obtain cores of sediment samples at representative locations within sediment storage areas in the subwatersheds. Complete sediment fingerprinting and particle size distribution of core samples using laser diffraction.
5. Evaluate rates of deposition in the floodplain using dendrogeomorphology and dendrochronology methods. These well-established methods use the stems of floodplain trees to determine how long ago portions of the stem were buried. Using the tree rings and other anatomical indicators, the rate of sediment deposition can then be estimated and sediment storage in the floodplain can be determined.
6. The methods used to locate, measure and calculate sediment storage within the San Jacinto watershed upstream of the Lake Houston sediment basin will be summarized in the San Jacinto Watershed's Annual Sediment Storage Technical Memo. The findings of the sediment cores obtained within the sediment storage locations will be summarized as well. A Draft San Jacinto Watershed's Annual Sediment Storage Memo will be submitted for review. Organize feedback and comments and submit the Amended Memo.

D. Lake Houston Sediment Storage

1. Obtain Lake Houston's dam engineering design report, pre-dam topography and surficial geology. Describe the dam's function.
2. Map the dam's hydraulic influence upstream using readily available data (preliminary RAS model, effective RAS model, FIS information, etc.).
3. Evaluate sediment storage in Lake Houston. Using results from tasks 1104-2 and 1104-3, identify where the dam's hydraulic influence ends. The influence will end where the slope of the energy grade line approaches zero or where velocity drops to near zero feet per second. This location will be physically located somewhere between the smallest modeling run and the 100-year modeling run.
4. The area between the dam and the end of the dam's hydraulic influence will be referred to as the dam's sediment basin where it is assumed most if not all of the San Jacinto watershed's bedload and suspended load are trapped. Within the dam's sediment basin boundary, measure the difference in elevations between 2011 Bathymetric Study and 2018 Bathymetric Study. Note, the 2011 Bathymetric Study occurred before Hurricane Harvey and the 2018 Bathymetric Study occurred afterwards. Calculate sedimentation volume and calculate the average annual rate of sedimentation between the two bathymetric study periods. This is referred to as the San Jacinto watershed's annual sediment output.
5. Obtain geo-cores at representative locations where sedimentation has occurred within the dam's sediment basin. Complete sediment fingerprinting by measuring levels of ²¹⁰Pb,

- 137Cs or an equivalent radioactive isotope commonly found in atmospheric deposition in the watershed. These radioactive isotopes have an affinity in bonding with silt on top of the landscape. Determine the percentage of sediment in the cores that is bound to this isotope. A high percentage of sediment with this isotope would suggest a high percentage of the sediment load occurs from the landscape (resulting from land use practices) and not alluvial erosion. This understanding will influence recommended sediment mitigation practices. Complete particle size distribution of corps samples using laser diffraction. Determine fraction of sediments that are bedload, suspended load and wash load.
6. The methods used to calculate the San Jacinto Watershed's annual sediment output and the findings of the sediment cores obtained within the dam's sediment basin will be summarized in the San Jacinto Watershed Annual Sediment Output Technical Memo. Submit a Draft Memo for review. Organize feedback and comments and submit the Amended Memo. Incorporate additional comments and submit Final Memo.

Task Deliverables

1. Electronic Files - Submit all ESRI shapefiles and rasters that were generated as part of Task 1103. Submit sediment core data and findings. Submit all excel spreadsheets containing exceedance probability curves and sediment loading curves.
2. San Jacinto San Jacinto Watershed Annual Sediment Budget - This Memo will be a stand-alone chapter submitted to the SJRA and HCFCD for review. It will be incorporated into the final Regional Sediment Management Plan as part of task 1110. The memo will be provided as a .pdf. A Draft Memo, Amended Memo and Final Memo will be submitted.

Task 1104 - Sediment Transport Modeling

- A. In this task, additional sediment storage or sediment contribution from sediment transport processes will be evaluated using sediment transport modeling and the results added to the annual sediment budget.
- B. For each calibration subwatershed, sediment transport modeling will be completed to determine areas of sediment storage/sequestration and, areas of sediment supply within the channels as well as to estimate total annual sediment yield from that subwatershed.
- C. Identify relatively stable sections of channel to provide a baseline comparison for use in the PowerSED model, and obtain cross-section data at these locations.
- D. For channels in which sediment data has not already been collected (such as un-gaged channels) collect sediment data at or near bankfull (channel-forming) discharge at representative locations using sediment collection devices such as Helley-Smith bedload sampler.
- E. Collect point bar and channel bed particle data at representative locations in subwatershed, through use of Wolman Pebble Count and point bar sampling methods, in order to determine particle size distribution of transported and bed sediments.
- F. Develop sediment rating curves and flow durations curves using sediment data and nearby gage data.

- G. Use stable cross-section data , sediment data and flow and sediment ratings curves to run PowerSED model and evaluate relative sediment transport capacity at a number of HEC-RAS cross-sections (for modeled streams) or cross-sections extracted from LiDAR data (for unmodeled streams). Use this to identify areas of deposition (sediment storage) or degradation (sediment sources).
- H. Conduct an evaluation of sediment transport competency in representative using particle size distribution data obtained in subwatershed as well as HEC-RAS or LiDAR-derived cross-sections.
- I. Extract sediment transport data from models. Map reaches that have aggraded and degraded based on capacity and competency calculations, and use information along with sediment sources analysis to determine sediment yield from subwatershed.
- J. Run FLOWSED model to estimate total sediment yield based on flow duration and sediment rating curves and compare with results of sediment budget.
- K. Write a summary of Sediment Transport Modeling methods and findings. A Draft Sediment Transport Modeling Technical Memo will be submitted for review and comments incorporated.

Task Deliverables

- 1. Electronic Files - Submit all ESRI shapefiles and rasters that were generated as part of Task 1104. Submit all excel spreadsheets used to calculate hydrographs for studied storm events.
- 2. Sediment Transport Modeling Files - Submit all sediment transport models and include .doc of variables used for inputs and assumptions.
- 3. San Jacinto Sediment Transport Modeling Memo - This Memo will be a stand-alone chapter submitted to the SJRA and funding partners for review. It will be incorporated into the final Regional Sediment Management Plan as part of task 1110. The memo will be provided as a .pdf. A Draft Memo, Amended Memo and Final Memo will be submitted.

Task 1105 – Extrapolation of Subwatershed Data to Entire Upper San Jacinto River Basin and Prioritization of Subwatersheds for Sediment Source “Hotspot” Investigation

- A. In this task, the output of the previous tasks, which identified sediment sources and sediment storage at representative sub-watersheds (“calibration subwatersheds”) will be extrapolated to all other subwatersheds in the Upper San Jacinto Basin in order to provide a total sediment budget and sediment yield for the upper watershed of the San Jacinto River and to rank subwatersheds based on their relative contribution of sediment. From this, all subwatersheds will be screened and prioritized to determine subwatersheds that should be further evaluated for individual sediment source “hotspots” (Task 1108).
- B. The characterization of each subwatershed and assignment into “bins” developed in previous tasks will be used to match the appropriate sediment yield values to extrapolate to each subwatershed. These sediment yield values will be applied to that sub-watershed (using tons/acre/year).

- C. FNI will meet with SJRA to present the results of the sediment yield estimates of each subwatershed using maps of relative sediment output by subwatershed, and to discuss criteria for prioritizing subwatersheds for additional “hotspot” investigation.
- D. Subwatersheds will be prioritized based on relative degree of sediment contribution as well as other criteria to be determined through collaboration with SJRA (e.g. percent of public land, known sediment problem areas etc.) and three subwatersheds will be identified for further sediment “hotspot” investigation.
- E. Results of prioritized subwatersheds for sediment “hotspot” investigation will be summarized in a brief technical memo. A meeting will be held with SJRA to discuss the results and to select 3 subwatersheds for further investigation.

Task Deliverables

- 1. Electronic Files - Submit all ESRI shapefiles and rasters that were generated as part of Task 1105. Submit all excel spreadsheets used to calculate annual sediment loads, exceedance probability discharge curves and subwatershed sediment budgets. Submit all ArcGIS .mxd files that were used to develop exhibits with relative data path linked.
- 2. San Jacinto Subwatershed Extrapolation and Prioritization Memo - This Memo will be a stand-alone chapter submitted to the SJRA and HCFCD for review. It will be incorporated into the final Regional Sediment Management Plan as part of task 1110. The memo will be provided as a .pdf. A Draft Memo, Amended Memo and Final Memo will be submitted.
- 3. Meeting Agenda, Facilitation and Notes - Prepare for and facilitate the meeting to review watershed characterization, confirm subwatershed boundaries and sediment budget protocols.

Task 1106 – Sediment Source “Hotspot” Investigation of Subwatersheds and Prioritization of Recommended Areas for Sediment Management or Opportunity

- A. Evaluate prioritized subwatersheds from Task 1107 to identify individual sediment source “hotspots”. These are locations of significant, individual contributors of sediment and may include such things as stretches of extreme eroding streambank/streambed or land uses or operations that produce excess sediment runoff.
- B. Conduct a rapid geomorphic assessment RGA on all channels within the prioritized subwatersheds and look for hotspot areas from streambank and bed erosion. Within these hotspot areas, obtain Bank Erosion Hazard Index (BEHI), Near Bank Stress (NBS) data, characterizes stream bank material, and complete pebble counts using a modified Wolman pebble count for each site visited. These findings will inform conceptual sediment mitigation solutions and confirm which sites are the highest priorities for implementation. The RGA will also be used to ground truth unmanned aerial vehicle mapping in Task 1108-5.
- C. Conduct Drone mapping to record HD photogrammetry at two or three of the top sites visited in 1108-4 to calibrate high definition photogrammetry with hand measured pebble counts and root density.
- D. Conduct a “windshield survey” and desktop analysis of potential large areas of individual contributors of sediment from hillslope processes such as construction sites, industrial operations, mining operations etc.

- E. Evaluate individual hotspot areas on their potential sediment contribution, based on the same variables used in the sediment source evaluation from previous tasks (e.g. RUSLE evaluation for hillslope hotspot areas, BANCS model and LiDAR/Cross-Section comparison for streambank erosion hotspot areas).
- F. Prioritize sediment hotspot areas based on prioritization schemes used on previous large watershed studies. The selected prioritization scheme, prioritization criteria (e.g. amount of sediment contribution, proximity to infrastructure, availability of land, accessibility, etc.) and weighting of these criteria will be discussed with SJRA prior to finalizing the prioritization.
- G. Hotspot area descriptions and prioritization results will be presented in a brief technical memorandum to SJRA. The mechanisms driving sediment entrainment (i.e. the reason why sediment is entering the stream network) will be discussed for each site. If the individual site is storing sediment, the reason(s) why this storage is occurring will be presented as well as methods to increase the volume of sediment storage.
- H. Meet with SJRA to present results of subwatershed analysis of hotspot locations in subwatersheds, and to present recommended locations for 10 locations for sediment management opportunity. Based on feedback from this meeting FNI will amend the tech memo and submit Final Memo.

Task Deliverables

1. Electronic Files - Submit all ESRI shapefiles and rasters that were generated as part of Task 1106. Submit all excel spreadsheets used to calculate annual sediment loads, exceedance probability discharge curves and subwatershed sediment budgets. Submit all ArcGIS .mxd files that were used to develop exhibits with relative data path linked.
2. San Jacinto Subwatershed Sediment Source Hotspot Investigation Memo - This Memo will be a stand-alone chapter submitted to the SJRA and HCFCF for review. It will be incorporated into the final Regional Sediment Management Plan as part of task 1110. The memo will be provided as a .pdf. A Draft Memo, Amended Memo and Final Memo will be submitted.
3. Meeting Agenda, Facilitation and Notes - Prepare for and facilitate the meeting to review hotspot area evaluation and recommended areas for Sediment Mitigation/Management projects.

Task 1107 – Conceptual Solution Development and Implementation Strategy

- A. In this task, conceptual solutions will be developed for sediment management/sediment mitigation which can be applied throughout the Upper San Jacinto River Basin.
- B. Identify management practices to achieve goals and provide rationale for the selection of recommended management practices. These practices could be non-structural best management projects or construction projects. Describe performance (reduction of sediment) and expected maintenance requirements. Non-structural best management practices could include:
 - Post construction rainfall volume infiltration

- Riparian buffer requirements
- Sand and gravel mining best management practices

Structural BMP projects, may include but are not limited to:

- Stream bank armoring (rock, bioengineering, etc.)
- Stream restoration
- Grade control (prevent further stream bed incision)
- Floodplain reconnection (reduces shear stress, increase sediment storage potential)
- Bedload collector (harvest bedload without the need of in channel excavation)
- Lateral sediment traps (harvest bedload requiring the use of in channel excavation)

Describe the geomorphic, topographic and environmental conditions where each typical conceptual solution could be applied.

- C. Using the list of prioritized sites developed in Task 1108, determine potential sediment load reductions in the San Jacinto watershed if recommended projects are implemented.
- D. For the ten highest-ranking individual sites identified in Task 1108, develop a typical conceptual solution to manage or mitigate sediment contribution (“site specific solution”). Each site-specific solution will include a general schematic of the proposed concept, calculations of expected sediment reduction as well as construction cost estimates, evaluation of cost-benefit (e.g. cost/tons of sediment removed), landowner agreement requirements and environmental permitting.

Task 1108 - Identify Key Stakeholders and Permitting Agencies

- A. List stakeholder groups who may partner for implementation of strategies. Potential partnerships may include right of way acquisition, landowner approval, technical and financial sharing and monitoring.
- B. Identify key permitting agencies, as well as regulatory requirements necessary to obtain agency approval to implement and maintain mitigation strategies.
- C. Summary of key stakeholders and permitting agencies are discussed in Task 1108.

Task 1109 - Technical and Financial Assistance Sources

- A. List sources of technical assistance (design, permitting, etc.) and provide estimates of financial assistance to implement the types of sediment mitigation strategies.
- B. List potential funding sources of sediment mitigation strategies.
- C. Summary of technical and financial assistance are discussed in Task 1109.

Task 1110 - The San Jacinto Regional Sediment Management Plan

- A. Assemble all the preceding standalone chapters as described as deliverables in work tasks 1102 through 1108, the narrative from tasks 1109 and 1110, the implementation strategy (task 1111-5) and site-specific solutions. These memos, narrative and exhibits will form the

San Jacinto Watershed Regional Sediment Management Plan. The Plan will include the proposal outline for the preliminary engineering report which will be completed in a subsequent contractual phase (Phase II). The outline will describe the number of individual locations whose site-specific solutions will be furthered in the preliminary engineering report. The proposal outline will also include a Phase II proposal budget. A Draft Plan will be submitted for review. Organize feedback and comments and submit the Amended Plan. Incorporate additional comments and submit Final Plan.

- B. Develop a one-page hand out summarizing the Plan's goals, its findings and recommendations.

Task Deliverables

1. San Jacinto Regional Sediment Management Plan - An electronic copy of the Draft San Jacinto Regional Sediment Management Plan will be provided as a .pdf. Two hard copies and an electronic copy of the San Jacinto Regional Sediment Management Plan will be provided.

Schedule

The proposed total duration for this study is twenty-four (24) months. See below for an estimate of project schedule by Task:

| Task | Duration |
|--|------------------|
| Task 1101– Project Management | 24 Months |
| Task 1102 - Inventory Available Existing Data and Watershed Characterization | 2 Months |
| Task 1103 - San Jacinto Watershed's Annual Sediment Supply and Storage | 8 Months |
| Task 1104 - Sediment Transport Modeling | 3 Months |
| Task 1105 – Extrapolation of Subwatershed Data to Entire Upper San Jacinto River Basin and Prioritization of Subwatersheds for Sediment Source "Hotspot" Investigation | 3 Months |
| Task 1106 – Sediment Source "Hotspot" Investigation of Subwatersheds and Prioritization of Recommended Areas for Sediment Management or Opportunity | 5 Months |
| Task 1107 – Conceptual Solution Development and Implementation Strategy | 4 Months |
| Task 1108 - Identify Key Stakeholders and Permitting Agencies | 1 Month |
| Task 1109 - Technical and Financial Assistance Sources | 1 Month |
| Task 1110 - The San Jacinto Regional Sediment Management Plan | 2 Months |
| Total Project Duration | 24 Months |

ATTACHMENT E

DRAFT SJRA PROFESSIONAL SERVICES AGREEMENT

{MASTER} PROFESSIONAL SERVICES AGREEMENT
CONTRACT NO. _____

This **{MASTER}** Professional Services Agreement (the "Agreement") is made and entered into effective as of the ____ day of ____, 2020, by and between the San Jacinto River Authority, a conservation and reclamation district of the State of Texas, ("SJRA") with general and administration offices located at 1577 Dam Site Road, Conroe, Texas 77304,

and

_____, a [corporation, limited partnership, limited liability company] organized under the laws of the State of _____, ("CONSULTANT") with principal offices located at _____.

SJRA and CONSULTANT are sometimes referred to herein collectively as the "Parties" or individually as a "Party."

The Parties hereby agree as follows:

ARTICLE 1 – SCOPE OF SERVICES

1.1 CONSULTANT agrees to perform professional services (the "Services") related to _____ as are requested from time to time by SJRA, which Services shall be set forth more particularly in Work Orders, the form of which is attached hereto as **Attachment B**, issued from time to time by SJRA and accepted by CONSULTANT. Each Work Order shall constitute a separate and independent agreement between CONSULTANT and SJRA.

1.2 Work Orders shall contain the schedule, price, and payment terms applicable to the Services within the scope of such orders. Time is of the essence to this Agreement and all Work Orders. Work Orders shall become effective when an acknowledged copy thereof is signed by a duly authorized officer of CONSULTANT, returned to SJRA and countersigned by SJRA. The specific terms of a Work Order may not be modified unless such modifications are agreed to in writing by SJRA and CONSULTANT.

1.3 All Work Orders incorporate and shall be governed by and subject to the terms, conditions, and other provisions of this Agreement; provided, however, that a Work Order may specifically state a term, condition, or other provision of this Agreement that is being modified thereby. Unless so stated, the terms, conditions, or other provisions contained in any Work Order or any proposal attached to or incorporated into a Work Order that conflict with any terms, conditions, or other provisions of this Agreement shall have no effect and shall be deemed stricken and severed from such Work Orders, and the balance of the terms, conditions, and other provisions contained in such Work Orders shall remain in full force and effect. Modifications of the terms, conditions, or other provisions of this Agreement with respect to a particular Work Order shall not modify the terms, conditions or other provisions of this Agreement with respect to any other Work Order.

1.4 Nothing herein shall obligate SJRA to issue, or CONSULTANT to accept, any Work Orders. Further, the Parties agree that nothing in this Agreement shall prohibit the Parties, or either of them, from entering into agreements other than this Agreement for professional services or other work.

ARTICLE 2 – TERM OF AGREEMENT

2.1 **OPTION 1 for Master Agreement:** This Agreement shall be effective for a term of three (3) years from the date first set forth above unless terminated earlier in writing in accordance with Article 12. **OR** **OPTION 2 for Project-Specific PSA:** This Agreement shall be effective for a term of one (1) year from the date first set forth above and shall be automatically renewed without action by either Party for subsequent terms of one year unless terminated earlier in writing in accordance with Article 12.

2.2 Notwithstanding the foregoing Paragraph 2.1, this Agreement shall apply to and remain in effect for Work Orders issued and accepted during the term of this Agreement until such time as Consultant's obligations in connection with the Services under such Work Orders have been completed and fulfilled; provided however, that, pursuant to Article 12, either Party shall have the right to terminate any Work Order for cause and SJRA shall have the right to terminate any Work Order for convenience.

2.3 Without limiting the generality of the foregoing Paragraph 2.2, Consultant's obligations under Articles 5, 6, 8, 9, 10, 11, 18, 19 and 20 shall survive the expiration of termination of this Agreement or any Work Order.

ARTICLE 3 – COMPENSATION AND PAYMENT

3.1 SJRA agrees to pay CONSULTANT, and CONSULTANT agrees to accept, as full and complete compensation for Services properly performed by CONSULTANT in accordance with this Agreement and applicable Work Order, the rates and charges agreed upon for a specific Work Order. Paragraphs A.1 or A.2 of **Attachment A**, which is attached hereto and incorporated herein by reference, shall be used to negotiate the compensation payable for each Work Order issued hereunder.

3.2 On or before the tenth day of each calendar month, CONSULTANT shall submit an invoice to SJRA, together with backup documentation required by SJRA and releases and waivers in forms acceptable to SJRA, covering all Services performed under any Work Order by CONSULTANT and its subconsultants, subcontractors and suppliers during the preceding calendar month. CONSULTANT shall separately itemize on each invoice: (i) each Work Order for which payment is sought, (ii) the amount budgeted for each such Work Order, (iii) the amount of payment requested pursuant to each such Work Order, (iv) the amount previously paid pursuant to each such Work Order, (v) descriptions of Services performed during the prior month pursuant to each such Work Order, and (vi) the total payment requested by such invoice. SJRA shall pay the amount it agrees to be due within thirty (30) days after receipt of such complete invoice and backup documentation.

3.3 SJRA shall have the right but not the obligation to withhold all or any part of payment requested in any invoice to protect SJRA from loss or expected loss because of:

- (a) Services that are not in compliance with this Agreement or the applicable Work Order or any failure of CONSULTANT to perform Services in accordance with the provisions of this Agreement or the applicable Work Order;
- (b) third party suits, stop notices, claims or liens arising out of Services performed for which CONSULTANT is responsible pursuant to this Agreement and asserted or filed against SJRA or any of its property or portion thereof or improvements thereon provided that CONSULTANT fails to provide SJRA with sufficient evidence that CONSULTANT's insurance is adequate or shall cover the claim(s);

(c) uninsured damage to any INDEMNITEE (hereinafter defined) which results from CONSULTANT's failure to obtain or maintain the insurance required by this Agreement or from any action or inaction by CONSULTANT or any of its subcontractors, subconsultants, or suppliers which excuses any insurer from liability for any loss or claim which would, but for such action or inaction, be covered by insurance; or

(d) any failure of CONSULTANT to pay any subcontractor, subconsultant, or supplier of CONSULTANT the correct, undisputed, and contractually obligated amount for acceptable services received and for acceptable supplies received. CONSULTANT will not include in its billings to SJRA any amount in a subcontractor or supplier invoice which it has not paid or does not intend to pay within the terms and conditions of the applicable subcontract agreement or supplier purchase order.

Any failure by SJRA to exercise its right to withhold all or any part of payment requested in any invoice as provided in this Paragraph 3.3 shall not be and shall not be construed as (i) a waiver of SJRA's right to do so in the future, or (ii) evidence that any of the circumstances identified in Subparagraphs 3.3(a) through (d) above have not occurred.

3.4 CONSULTANT agrees to pay in full (less any applicable retainage) as soon as reasonably practicable, but in no event later than thirty (30) days following payment from SJRA, all subcontractors, subconsultants, and any other persons or entities supplying labor, supplies, materials, or equipment in connection with Services that are owed payment by CONSULTANT out of such payment made to CONSULTANT by SJRA. Further, provided that SJRA has paid CONSULTANT in accordance with the terms of this Agreement and any particular Work Order, CONSULTANT shall defend and indemnify SJRA from and against any claims for payment asserted or filed by any such person or entity against SJRA, its project or property or CONSULTANT.

ARTICLE 4 – STANDARD OF CARE; COORDINATION OF SERVICES; SAFETY; COST ESTIMATES; LEGAL COMPLIANCE; THIRD PARTY REVIEW

4.1 **[OPTION 1: FOR PSA WITH ENGINEER OR ARCHITECT --** CONSULTANT shall perform, supervise and direct the Services, and otherwise discharge its obligations under this Agreement and any Work Order: (a) with the professional skill and care ordinarily provided by competent **[engineers][architects]** practicing under the same or similar circumstances and professional license; and (b) as expeditiously as is prudent considering the ordinary professional skill and care of a competent **[engineer][architect]** (collectively, the CONSULTANT's "Standard of Care"). **][OPTION 2: FOR PSA NOT WITH AN ENGINEER OR ARCHITECT --** CONSULTANT shall: (a) perform, supervise and direct the Services, using reasonable skill and attention, in a good, workmanlike and timely manner and in a reasonable and expeditious and economical manner consistent with the interests of SJRA; (b) exercise the degree of care, skill, and diligence in the performance of the Services in accordance with and consistent with the professional skill, care and diligence ordinarily provided by professional consultants of the same discipline practicing in major metropolitan areas under the same or similar circumstances; and (c) utilize reasonable skill, efforts, and judgment in furthering the interests of SJRA (collectively, the CONSULTANT's "Standard of Care").**]**

4.2 Consistent with its Standard of Care, CONSULTANT shall (a) perform its Services in accordance with all applicable laws, codes, ordinances and regulations; (b) perform its Services in an efficient manner; and (c) keep SJRA apprised of the status of Services, coordinate its activities with SJRA, and accommodate other activities of SJRA at sites that Services impact. CONSULTANT shall designate an authorized representative to be available for consultation, assistance, and coordination of activities.

4.3 CONSULTANT shall be responsible for its own activities at sites including the safety of its employees, and that of its subconsultants, subcontractors and suppliers but shall not assume control of or responsibility for the site. Construction contractors of SJRA shall have sole responsibility for providing materials, means, and methods of construction, for controlling their individual work areas and safety of said areas for all persons, and for taking all appropriate steps to ensure the quality of their work and the safety of their employees and of the public in connection with their performance of work or services provided under contracts with SJRA. Without assuming any control over, responsibility for or liability whatsoever with respect to the construction contractor obligations of the foregoing sentence, CONSULTANT shall notify SJRA if it observes violations of safety regulations or ordinances or quality of work deficiencies by SJRA's construction contractors. CONSULTANT shall comply with the site safety program and rules established by the construction contractors.

4.4 To the extent that CONSULTANT provides to SJRA any estimate of costs associated with construction, any such estimate shall be developed in accordance with CONSULTANT's Standard of Care, but it is recognized by the Parties that neither CONSULTANT nor SJRA has control over the cost of the labor, materials, or equipment, over a construction contractor's methods of determining bid prices, or over competitive bidding, market, or negotiating conditions. Accordingly, CONSULTANT cannot and does not warrant or represent that bids or negotiated prices will not vary from SJRA's budget for the project or from any estimate of the cost of work or evaluation prepared or agreed to by CONSULTANT.

4.5 CONSULTANT hereby agrees that the following terms, conditions, verifications, certifications, and representations apply to and are incorporated into this Agreement for all purposes:

(a) With respect to providing Services hereunder, CONSULTANT shall comply with any applicable Equal Employment Opportunity and/or Affirmative Action ordinances, rules, or regulations during the term of this Agreement.

(b) Pursuant to Texas Local Government Code Chapter 176, CONSULTANT shall submit a signed Texas Ethics Commission ("TEC") Conflict of Interest Questionnaire ("CIQ") at the time CONSULTANT submits this signed Agreement to SJRA. TEC Form CIQ and information related to same may be obtained from TEC website by visiting <https://www.ethics.state.tx.us/forms/conflict/>. If CONSULTANT certifies that there are no Conflicts of Interest, CONSULTANT shall indicate so by writing name of CONSULTANT's firm and "No Conflicts" on the TEC Form CIQ.

(c) If CONSULTANT is a privately held entity, then pursuant to Texas Government Code Section 2252.908 and the rules promulgated thereunder by the TEC, CONSULTANT shall submit a completed and signed TEC Form 1295 with a certificate number assigned by the TEC to SJRA at the time CONSULTANT submits this signed Agreement to SJRA. TEC Form 1295 and information related to same may be obtained from TEC website by visiting <https://www.ethics.state.tx.us/filinginfo/1295/>. CONSULTANT agrees and acknowledges that this Agreement shall be of no force and effect unless and until CONSULTANT has submitted said form to SJRA, if and to the extent such form is required under Government Code § 2252.908 and the rules promulgated thereunder by the TEC.

(d) As required by Chapter 2271, Texas Government Code, CONSULTANT hereby verifies that CONSULTANT, including a wholly owned subsidiary, majority-owned subsidiary, parent company or affiliate of the same, does not boycott Israel and will not boycott Israel through the term of this Agreement. The term "boycott Israel" in this paragraph has the meaning assigned to such term in Section 808.001 of the Texas Government Code, as amended.

(e) Pursuant to Chapter 2252, Texas Government Code, CONSULTANT represents and certifies that, at the time of execution of this Agreement, neither CONSULTANT, nor any wholly owned subsidiary, majority-owned subsidiary, parent company or affiliate of the same, is engaged in business with Iran, Sudan, or any terrorist organization, and is a company listed by the Texas Comptroller of Public Accounts under Sections 2270.0201 or 2252.153 of the Texas Government Code.

4.6 CONSULTANT acknowledges and agrees that projects of SJRA may be subject to review and approval by other third parties. Accordingly, as and when requested by SJRA, CONSULTANT shall submit such information and cooperate with the other third parties to the extent necessary to undergo any such review or obtain any such approval.

4.7 CONSULTANT does not represent Work Product to be suitable for reuse on any other project or for any other purpose(s). If SJRA reuses any Work Product without CONSULTANT's specific written verification or adaptation, such reuse will be at the risk of SJRA, without liability to CONSULTANT.

ARTICLE 5 – COST RECORDS

5.1 CONSULTANT shall maintain records and books in accordance with generally accepted accounting principles and practices. For Services provided by CONSULTANT under cost reimbursable, time and material or unit price Work Orders, during the period of this Agreement and for five (5) years thereafter, CONSULTANT shall maintain records of direct costs for which SJRA is charged. SJRA shall at all reasonable times have access to such records for the purpose of inspecting, auditing, verifying, or copying the same, or making extracts therefrom. SJRA's audit rights for fixed unit rate or time and materials Work Orders shall extend to review of records for the purpose of substantiating man-hours worked, units employed, and third party charges only. Except to the extent audit rights are granted to SJRA by applicable law, SJRA shall have no audit rights with respect to the portion of Work Orders or Services compensated on a lump sum basis.

ARTICLE 6 – OWNERSHIP OF WORK PRODUCT AND TECHNOLOGY

6.1 All studies, plans, reports, drawings, specifications, cost estimates, software, computations, and other information and documents prepared by CONSULTANT, its subconsultants, subcontractors, and/or suppliers, in connection with Services or any project of SJRA are and shall remain SJRA's property upon creation (collectively, "Work Product"); provided, however, that Work Product shall not include pre-existing proprietary information of CONSULTANT, its subconsultants, subcontractors, and/or suppliers ("CONSULTANT Proprietary Information"). To this end, CONSULTANT agrees to and does hereby assign, grant, transfer, and convey to SJRA, its successors and assigns, CONSULTANT's entire right, title, interest and ownership in and to such Work Product, including, without limitation, the right to secure copyright registration. CONSULTANT confirms that SJRA and its successors and assigns shall own CONSULTANT's right, title and interest in and to, including without limitation the right to use, reproduce, distribute (whether by sale, rental, lease or lending, or by other transfer of ownership), to perform publicly, and to display, all such Work Product, whether or not such Work Product constitutes a "work made for hire" as defined in 17 U.S.C. Section 201(b). In addition, CONSULTANT hereby grants SJRA a fully paid-up, royalty free, perpetual, assignable, non-exclusive license to use, copy, modify, create derivative works from and distribute to third parties CONSULTANT Proprietary Information in connection with SJRA's exercise of its rights in the Work Product, operation, maintenance, repair, renovation, expansion, replacement, and modification of projects of SJRA or otherwise in connection with property or projects in which SJRA has an interest (whether by SJRA or a third party). CONSULTANT shall obtain other assignments, confirmations, and licenses substantially similar to the provisions of this paragraph from all of its subconsultants, subcontractors, and suppliers. Work Product is

to be used by CONSULTANT only with respect to the project in connection with which such Work Product was created and is not to be used on any other project. CONSULTANT and its subconsultants, subcontractors, and suppliers are granted a limited, nonexclusive, non-transferable, revocable license during the term of their respective agreements under which each is obligated to perform Services to use and reproduce applicable portions of the Work Product appropriate to and for use in the execution of Services. Submission or distribution to comply with official regulatory requirements for other purposes in connection with Services is not to be construed as publication in derogation of SJRA's copyright or other reserved rights. CONSULTANT agrees that all Work Product will be maintained according to the provisions of the Public Information Act, Chapter 552, Texas Government Code, and the Local Government Records Act, Chapters 201 through 205, Texas Local Government Code, each as amended. CONSULTANT shall deliver all copies of the Work Product to SJRA upon the earliest to occur of SJRA's request, completion of Services in connection with which Work Product was created, or termination of this Agreement. CONSULTANT is entitled to retain copies of Work Product for its permanent project records.

6.2 CONSULTANT agrees that all information provided by SJRA in connection with Services shall be considered and kept confidential ("Confidential Information"), and shall not be reproduced, transmitted, used, or disclosed by CONSULTANT without the prior written consent of SJRA, except as may be necessary for CONSULTANT to fulfill its obligations hereunder; provided, however, that such obligation to keep confidential such Confidential Information shall not apply to any information, or portion thereof, that:

- (a) was at the time of receipt by CONSULTANT otherwise known by CONSULTANT by proper means;
- (b) has been published or is otherwise within the public domain, or is generally known to the public at the time of its disclosure to CONSULTANT;
- (c) subsequently is developed independently by CONSULTANT, by a person having nothing to do with the performance of this Agreement and who did not learn about any such information as a result of CONSULTANT's being a Party to this Agreement;
- (d) becomes known or available to CONSULTANT from a source other than SJRA and without breach of this Agreement by CONSULTANT or any other impropriety of CONSULTANT;
- (e) enters the public domain without breach of the Agreement by or other impropriety of CONSULTANT;
- (f) becomes available to CONSULTANT by inspection or analysis of products available in the market;
- (g) is disclosed with the prior written approval of SJRA;
- (h) was exchanged between SJRA and CONSULTANT and ten (10) years have subsequently elapsed since such exchange; or
- (i) is disclosed to comply with the Texas Open Records Act or in response to a court order to comply with the requirement of a government agency.

6.3 CONSULTANT shall not be liable for the inadvertent or accidental disclosure of Confidential Information, if such disclosure occurs despite the exercise of at least the same degree of care as CONSULTANT normally takes to preserve and safeguard its own proprietary or confidential information.

6.4 CONSULTANT will advise SJRA of any patents or proprietary rights and any royalties, licenses, or other charges which CONSULTANT knows or should know in the exercise of its Standard of Care impacts any design provided by CONSULTANT in connection with any Services, and obtain SJRA's prior written approval before proceeding with such Services. CONSULTANT shall not perform patent searches or evaluation of claims, but will assist SJRA in this regard if requested, pursuant to a written change order in accordance with Paragraph 12.1, below. There will be no charge for CONSULTANT's existing patents.

ARTICLE 7 – INDEPENDENT CONTRACTOR RELATIONSHIP

7.1 In the performance of Services hereunder, CONSULTANT shall be an independent contractor with the authority to control and direct the performance of the details of Services and its own means and methods. CONSULTANT shall not be considered a partner, affiliate, agent, or employee of SJRA and shall in no way have any authority to bind SJRA to any obligation.

ARTICLE 8 – WARRANTY PERIOD; GUARANTEES

8.1 If within a period of one (1) year following completion of Services under a Work Order, it is discovered that such Services were not performed in accordance with CONSULTANT's Standard of Care, SJRA, in its sole discretion, may: (1) direct CONSULTANT to re-perform and CONSULTANT shall re-perform such Services at its own expense, and as expediently or in the manner required for SJRA's needs; or (2) retain such other consultant or consultants as necessary to perform such corrective services, and CONSULTANT agrees to pay SJRA's costs associated with having such other consultant or consultants perform such corrective services, and any other damages incurred by SJRA as a result of such default. The obligations of CONSULTANT under this Paragraph 8.1 are in addition to other rights and remedies of SJRA available to it pursuant to this Agreement or applicable law.

8.2 CONSULTANT agrees to assign SJRA the warranty or guarantee of any subconsultant, subcontractor, supplier or manufacturer of items of services, supplies, machinery, equipment, materials, or products provided by CONSULTANT hereunder and cooperate and assist SJRA in SJRA's enforcement thereof. CONSULTANT's responsibility with respect thereto is limited to such assignment, cooperation, and assistance. The representations and warranties of CONSULTANT under this Agreement and Work Orders are made in lieu of any other warranties or guarantees and CONSULTANT makes no other warranties whether expressed or implied, including any warranty of merchantability or fitness for a particular purpose, and CONSULTANT shall have no liability to SJRA based upon any theory of liability that any such other warranty was made or breached.

ARTICLE 9 – INDEMNIFICATION

9.1 TO THE FULLEST EXTENT PERMITTED BY LAW, CONSULTANT SHALL INDEMNIFY AND HOLD HARMLESS SJRA AND ITS BOARD, DIRECTORS, OFFICERS, AGENTS, REPRESENTATIVES AND EMPLOYEES (EACH AN "INDEMNITEE" AND COLLECTIVELY, THE "INDEMNITEES"), FROM AND AGAINST CLAIMS, LOSSES, DAMAGES, DEMANDS, SUITS, CAUSES OF ACTION, SETTLEMENTS, LIABILITIES, COSTS, FINES, JUDGMENTS AND EXPENSES (INCLUDING, WITHOUT LIMITATION, REASONABLE AND NECESSARY COURT COSTS, EXPERTS' FEES AND ATTORNEYS' FEES) (COLLECTIVELY, "LOSSES"), INCLUDING WITHOUT LIMITATION THOSE

BROUGHT AGAINST OR INCURRED OR SUFFERED BY ANY ONE OR MORE OF THE INDEMNITEES AND THOSE ARISING IN FAVOR OF OR BROUGHT BY ANY THIRD PARTY, TO THE EXTENT CAUSED BY OR RESULTING FROM AN ACT OF NEGLIGENCE, INTENTIONAL TORT, INTELLECTUAL PROPERTY INFRINGEMENT, OR FAILURE TO PAY A SUBCONTRACTOR OR SUPPLIER, COMMITTED BY CONSULTANT, ITS AGENT, ITS CONSULTANT UNDER CONTRACT, OR ANOTHER ENTITY OVER WHICH CONSULTANT EXERCISES CONTROL, UNDER OR IN CONNECTION WITH THIS AGREEMENT OR ANY WORK ORDER, EVEN IF SUCH LOSSES ARE CAUSED IN PART BY THE NEGLIGENCE OR FAULT, BREACH OR VIOLATION OF A STATUTE, ORDINANCE, GOVERNMENTAL REGULATION, STANDARD OR RULE OR BREACH OF CONTRACT OF AN INDEMNITEE OR ANY THIRD PARTY UNDER THE CONTROL OR SUPERVISION OF AN INDEMNITEE; PROVIDED, HOWEVER, THAT CONSULTANT'S OBLIGATION TO INDEMNIFY AND HOLD HARMLESS SHALL NOT EXTEND TO THE PORTION (IF ANY) OF SUCH LOSSES THAT ARE CAUSED BY THE NEGLIGENCE OR FAULT, BREACH OR VIOLATION OF A STATUTE, ORDINANCE, GOVERNMENTAL REGULATION, STANDARD OR RULE OR BREACH OF CONTRACT OF AN INDEMNITEE OR ANY THIRD PARTY UNDER THE CONTROL OR SUPERVISION OF AN INDEMNITEE OTHER THAN CONSULTANT OR ITS AGENT OR EMPLOYEE OR SUBCONTRACTORS OF ANY TIER.

9.2 TO THE FULLEST EXTENT PERMITTED BY LAW, AND TO THE EXTENT A DEFENSE IS NOT PROVIDED FOR THE INDEMNITEES UNDER AN INSURANCE POLICY AS REQUIRED UNDER SECTION 11.1(f) HEREOF OR THE INDEMNITEES' ATTORNEYS' FEES ARE NOT OTHERWISE RECOVERED UNDER THE INDEMNITY PROVISION SET FORTH IN SECTION 9.1 HEREOF, CONSULTANT SHALL, UPON FINAL ADJUDICATION OF THE LOSSES AS DEFINED IN SECTION 9.1 HEREOF AND WITHIN THIRTY (30) DAYS FOLLOWING THE DATE OF A WRITTEN DEMAND, REIMBURSE THE INDEMNITEES FOR ALL REASONABLE ATTORNEYS' FEES INCURRED TO DEFEND AGAINST THE LOSSES IN PROPORTION TO CONSULTANT'S LIABILITY TO ANY THIRD PARTY FOR SUCH LOSSES.

ARTICLE 10 – LIMITATION OF LIABILITY

10.1 NEITHER PARTY HERETO SHALL BE LIABLE TO THE OTHER PARTY OR ITS AFFILIATES FOR ANY LOSS OF PROFIT, LOSS OF REVENUE, LOSS OF USE OR ANY OTHER INDIRECT, CONSEQUENTIAL OR SPECIAL DAMAGES (EXCLUDING FINES AND PENALTIES LEVIED BY A REGULATORY AGENCY), EVEN IF CAUSED BY THE SOLE OR CONCURRENT NEGLIGENCE OF A PARTY, WHETHER ACTIVE OR PASSIVE, AND EVEN IF ADVISED OF THE POSSIBILITY THEREOF.

10.2 NOTHING HEREIN SHALL BE CONSTRUED AS CREATING ANY PERSONAL LIABILITY ON THE PART OF ANY BOARD MEMBER, OFFICER, EMPLOYEE, OR AGENT OF SJRA.

ARTICLE 11 – INSURANCE

11.1 General Requirements. CONSULTANT shall, at all times during the performance of Services pursuant to Work Orders issued under this Agreement and for not less than two years after the completion of any Services, provide and require all subconsultants and subcontractors to provide insurance coverage with companies lawfully authorized to do business in Texas and acceptable to SJRA and with forms of policies acceptable to SJRA, which coverage will protect CONSULTANT from claims set forth below which may arise out of or result from CONSULTANT's Services and operations under this Agreement

and any Work Order for which CONSULTANT may be legally liable, whether such Services or operations are by CONSULTANT or a subconsultant or subcontractor of CONSULTANT or by anyone directly or indirectly employed by any of them, or by anyone for whose acts any of them may be liable, and meeting not less than the minimum requirements set forth in this Article 11. Such insurance is to be provided at the sole cost of CONSULTANT and all subconsultants and subcontractors. The terms “subconsultant” and “subcontractor” for the purposes of this Article 11 shall include subconsultants and subcontractors of any tier.

(a) **Kinds of Claims**

- (1) claims under workers’ compensation, disability benefit and other similar employee benefit acts which are applicable to CONSULTANT’s Services to be performed;
- (2) claims for damages because of bodily injury, occupational sickness or disease, or death of CONSULTANT’s employees;
- (3) claims for damages because of bodily injury, sickness or disease, or death of any person other than CONSULTANT’s employees;
- (4) claims for damages insured by usual personal injury liability coverage which are sustained (i) by a person as a result of an offense directly or indirectly related to employment of such person by CONSULTANT, or (ii) by another person;
- (5) claims for damages other than to CONSULTANT’s work itself, because of injury to or destruction of tangible property, including loss of use resulting therefrom;
- (6) claims for damages because of bodily injury, death of a person or property damage arising out of ownership, maintenance or use of a motor vehicle;
- (7) claims involving contractual liability insurance applicable to CONSULTANT’s indemnification obligations under this Agreement; and
- (8) claims for errors and omissions in the provision of professional consulting services of the kind rendered by CONSULTANT pursuant to this Agreement.

(b) **Policies and Minimum Limits of Liability**

| <u>Kinds of Insurance:</u> | | <u>Limits of Liability*:</u> |
|-----------------------------------|--|--|
| A. | Workers’ Compensation Texas Operations Employer’s Liability | Statutory Bodily Injury by Accident \$1,000,000 Each Accident Bodily Injury by Disease \$1,000,000 Each Employee Bodily Injury by Disease \$1,000,000 Policy Limit |
| B. | Commercial General Liability Including but not limited to: 1. premises/operations 2. independent contractor 3. products and completed operations | \$2,000,000 General Aggregate \$2,000,000 Products/Completed Operations Aggregate \$1,000,000 Each Occurrence \$2,000,000 Personal and Advertising Injury |

| | |
|--|---|
| 4. personal injury liability with employment exclusion deleted 5. contractual | \$300,000 Fire Damage Liability |
| C. Professional Liability | \$1,000,000 per claim \$2,000,000 Aggregate |
| D. Business Automobile Liability Including all Owned, Hired, and Non-owned Automobiles | \$1,000,000 Combined Single Limit Per Occurrence |
| E. Umbrella Liability | \$1,000,000 Per Occurrence \$1,000,000 Aggregate Bodily Injury and Property Damage |

* Aggregate limits are per 12-month policy period unless otherwise indicated; defense costs shall be excluded from limits of liability of each policy other than Professional Liability Insurance; Commercial General Liability Insurance coverage limits shall be on a per-project basis.

(c) All required insurance shall be maintained with responsible insurance carriers acceptable to SJRA and lawfully authorized to issue insurance of the types and amounts set forth in this Article 11. Carriers should have a Best's Financial Strength Rating of at least "A-" and a Best's Financial Size Category of Class VIII or better, according to the most current edition of *Best's Key Rating Guide, Property-Casualty United States* or be of sufficient size and financial strength as adjudged by SJRA to meet the financial obligations evidenced in the certificate of insurance.

(d) All certificates shall be in a form reasonably acceptable to SJRA and each certificate must state to the extent permitted by Texas Insurance Code Chapter 1811 that the policy may not expire or be cancelled, materially modified, or nonrenewed unless the carrier and/or CONSULTANT gives SJRA thirty (30) days advance written notice. When any required insurance, due to the attainment of a normal expiration date or renewal date, shall expire, CONSULTANT shall, prior to such expiration, supply SJRA with certificates of insurance and amendatory riders or endorsements that clearly evidence the continuation of all coverage in the same manner, limits of protection, and scope of coverage as is required by this Agreement. Any renewal or replacement policies shall be in form and substance satisfactory to SJRA and written by carriers acceptable to SJRA and meeting the requirements of this Article 11. CONSULTANT shall or shall cause the applicable carrier or carriers to give written notice to SJRA within thirty (30) days of the date on which total claims by any Party against insurance provided pursuant to this Article 11 reduce the aggregate amount of coverage below the amounts required by this Article 11. In addition, CONSULTANT shall or shall cause the applicable carrier or carriers to provide SJRA with amendatory riders or endorsements to the Commercial General Liability Insurance policy that specify that the coverage limits apply on a per-project basis.

(e) With respect to all policies required in this Article 11, as soon as practicable prior to execution of this Agreement, CONSULTANT shall deposit with SJRA true and correct original certificates thereof, bearing notations or accompanied by other evidence satisfactory to SJRA that the requirements of this Article 11 are being met. If requested to do so by SJRA, CONSULTANT shall also furnish the originals or certified copies of the insurance policies for inspection including but not limited to copies of endorsements.

(f) All policies of insurance and certificates, with the exception of Professional Liability and Workers' Compensation Insurance, shall name the INDEMNITEES as additional insureds. Without limiting the foregoing, CONSULTANT's Commercial General Liability Insurance policy shall name the INDEMNITEES as additional insureds pursuant to ISO Additional Insured

Endorsements CG 20-10-10-01 and CG 20-33-10-01 or their combined equivalents. Further, the CONSULTANT shall provide the INDEMNITEES any defense provided by its Commercial General Liability Insurance policy to the fullest extent allowed by law.

(g) CONSULTANT hereby waives all rights of recovery and damages against the INDEMNITEES to the extent such damages are covered or should have been covered by the insurance obtained or required to be obtained by CONSULTANT under this Agreement. All of CONSULTANT's policies of insurance, with the exception of Professional Liability Insurance, shall include a waiver of subrogation in favor of the INDEMNITEES.

(h) The Parties intend that the CONSULTANT'S insurance shall be primary and non-contributing with respect to any other insurance maintained by SJRA and all policies of insurance obtained by CONSULTANT shall be endorsed to be primary and non-contributing with respect to any other insurance maintained by SJRA.

(i) If any policy required to be purchased pursuant to this Article 11 is subject to a deductible, self-insured retention or similar self-insurance mechanism which limits or otherwise reduces coverage, the deductible, self-insured retention, or similar self-insurance mechanism shall be the sole responsibility of CONSULTANT in the event of any loss and CONSULTANT hereby waives any claim therefor against any INDEMNITEE.

(j) CONSULTANT shall require and cause its subconsultants and subcontractors to purchase and maintain the insurance policies set forth in Paragraph 11.1(b) above with limits of liability commensurate with the amount of each subconsulting or subcontract agreement, but in no case less than \$500,000 per occurrence. CONSULTANT shall provide copies of insurance certificates for all such insurance to SJRA prior to any subconsultant's or subcontractor's performance of any Services.

(k) If CONSULTANT fails to procure or to maintain in force the insurance required by this Article 11, SJRA may secure such insurance and the costs thereof shall be borne by CONSULTANT. CONSULTANT shall reimburse SJRA the cost of such insurance plus a ten percent (10%) administrative charge within ten (10) days after billing by SJRA. Any sum remaining unpaid fifteen (15) days after billing by SJRA shall bear interest at the rate of twelve percent (12%) per annum until paid by CONSULTANT. Except to the extent prohibited by Subchapter C of Chapter 151 of the Texas Insurance Code, CONSULTANT shall defend, indemnify, and hold harmless the INDEMNITEES from and against any and all losses, claims, damages, and expenses (including, without limitations, court costs, costs of defense, and attorneys' fees), that any INDEMNITEE may incur as a result of CONSULTANT's failure to obtain or cause to be obtained the specific endorsements or insurance required pursuant to this Agreement. Failure of any INDEMNITEE to identify any deficiency in the insurance forms provided shall not be construed as a waiver of CONSULTANT's obligation to maintain such insurance and to cause such insurance to be maintained.

(l) CONSULTANT's compliance with the provisions of this Article 11 shall not be deemed to constitute a limitation of CONSULTANT's liability with respect to claims covered by insurance provided or required pursuant to this Article 11 or in any way limit, modify, or otherwise affect CONSULTANT's obligation under this Agreement or otherwise. CONSULTANT's obligations under this Agreement to defend, indemnify and/or hold harmless INDEMNITEES shall not be limited in any way by any insurance required of CONSULTANT by this Agreement or otherwise provided or maintained by CONSULTANT. Any insurance obligations of CONSULTANT under this Agreement are independent from CONSULTANT's

obligations under this Agreement to defend, indemnify and/or hold harmless INDEMNITEES. The insolvency, bankruptcy, or failure of any insurance company carrying insurance for CONSULTANT or any subcontractor, or the failure of any insurance company to pay claims accruing shall not be held to waive any of the provisions of this Agreement.

(m) If requested by SJRA, CONSULTANT shall furnish or shall cause to be furnished any such other insurance or limits as SJRA may reasonably deem necessary for any Work Order or Orders and the cost thereof shall be charged to SJRA by appropriate modification of any such Order(s).

ARTICLE 12 – CHANGES; TERMINATION FOR CONVENIENCE; TERMINATION FOR CAUSE

12.1 SJRA may, at any time and from time to time, make written changes to Work Orders in the form of modifications, additions, or omissions. In the event that any such change, through no fault of CONSULTANT, shall impact CONSULTANT's compensation or schedule, then (a) such changes shall be authorized by written change order issued by SJRA and accepted by CONSULTANT, and (b) an equitable adjustment shall be made to the Work Order in writing duly executed by both Parties, to reflect the change in compensation and schedule.

12.2 SJRA may for convenience terminate this Agreement, any Work Order issued under this Agreement, or CONSULTANT's right to perform Services under this Agreement or any Work Order by at any time giving seven (7) days written notice of such termination. In such event, SJRA shall have the right but not the obligation to assume all obligations and commitments that CONSULTANT may have in good faith undertaken or incurred in connection with the Services terminated, and SJRA shall pay CONSULTANT, as its sole and exclusive remedy, for Services properly performed to date of termination and for reasonable costs of closing out such Services provided SJRA has pre-approved such costs. CONSULTANT shall not be entitled to lost profit on unperformed Services or any consequential damages of any kind. Upon termination, CONSULTANT shall invoice SJRA for all services performed by CONSULTANT prior to the time of termination which have not previously been compensated. Payment of undisputed amounts in the final invoice shall be due and payable within thirty (30) days after receipt by SJRA and SJRA's receipt of all Work Product.

12.3 This Agreement or any Work Order may be terminated by either Party in the event that the other Party fails to perform in accordance with its requirements and such Party does not cure such failure within ten (10) days after receipt of written notice describing such failure. In the event that SJRA terminates this Agreement or any Work Order for cause, CONSULTANT shall not be entitled to any compensation until final completion of the then ongoing Services and any such entitlement shall be subject to SJRA's right to offset and/or recoup all damages and costs associated with finally completing such Services. If for any reason, CONSULTANT is declared in default and/or terminated by SJRA under any Work Order with SJRA, SJRA shall have the right to offset and apply any amounts which might be owed to SJRA by CONSULTANT against any earned but unpaid amounts owed to CONSULTANT by SJRA under any Work Order. In the event any Work Order is terminated by SJRA, CONSULTANT shall promptly deliver to SJRA all Work Product with respect to such terminated Work Order.

ARTICLE 13 – FORCE MAJEURE

13.1 Any delay in performance or non-performance of any obligation other than an obligation to make a payment as required under this Agreement or any Work Order, of CONSULTANT contained herein shall be excused to the extent such delay in performance or non-performance is caused by Force Majeure.

“Force Majeure” shall mean fire, flood, act of God, earthquakes, extreme weather conditions, epidemic, pandemic, war, riot, civil disturbance or unrest, imposition of martial law, restrictions imposed by civil authority, loss of control of civil authority, illegal activity, extreme unreliability or failure of the utility infrastructure, failure of the US banking system, loss of access to communication systems, sabotage, terrorism, or judicial restraint, but only to the extent that such event (i) is beyond the reasonable control of and cannot be reasonably anticipated by or the effects cannot be reasonably alleviated by CONSULTANT and (ii) prevents the performance of Services.

13.2 If CONSULTANT is affected by Force Majeure, CONSULTANT shall promptly provide notice to SJRA, explaining in detail the full particulars and the expected duration thereof. Notice will be considered prompt if delivered within five days after CONSULTANT first becomes aware that the event of Force Majeure will affect the performance of Services and the end of the restrictions, if any, on CONSULTANT’s ability to communicate with SJRA. CONSULTANT shall use its commercially reasonable efforts to mitigate the interruption or delay if it is reasonably capable of being mitigated.

ARTICLE 14 – SUCCESSORS, ASSIGNMENT AND SUBCONTRACTING

14.1 SJRA and CONSULTANT bind themselves and their successors, executors, administrators and permitted assigns to the other Party of this Agreement and to the successors, executors, administrators and permitted assigns of such other party, in respect to all covenants of this Agreement.

14.2 No right or interest in this Agreement or any Work Order shall be assigned by CONSULTANT or SJRA without the prior written consent of the other Party.

14.3 Prior to commencement of any part of the Services to be provided under any Work Order with respect to which CONSULTANT has elected to subcontract, CONSULTANT will notify SJRA in writing of the identity of the particular subcontractor, subconsultant or supplier CONSULTANT intends to employ for the performance of such part of the Services and the scope of Services it will perform. SJRA shall have the right within twenty-one (21) calendar days of such written notice to disallow CONSULTANT’s employment of any particular subcontractor, subconsultant or supplier, provided that any reasonable additional costs incurred by CONSULTANT as a result of such disallowance shall be borne by SJRA.

ARTICLE 15 – SEVERABILITY; NON-WAIVER

15.1 If any provision or portion thereof of this Agreement or any Work Order is deemed unenforceable or void, then such provision or portion thereof shall be deemed severed from the Agreement or such Work Order and the balance of the Agreement or Work Order shall remain in full force and effect.

15.2 Failure by SJRA in any instance to insist upon observance or performance by CONSULTANT of any term, condition or obligation of this Agreement shall not be deemed a waiver by SJRA of any such observance or performance. No waiver by SJRA of any term, condition, obligation or breach of this Agreement will be binding upon SJRA unless in writing, and then will be for the particular instance specified in such writing only. Payment of any sum by SJRA to CONSULTANT with knowledge of any breach will not be deemed a waiver of such breach or any other breach.

ARTICLE 16 – LICENSE REQUIREMENTS

16.1 The CONSULTANT and any subconsultant shall have and maintain any licenses, registrations and certifications required by the State of Texas or recognized professional organizations governing the Services performed under this Agreement and any Work Order.

ARTICLE 17 – ENTIRE AGREEMENT

17.1 This Agreement and all Work Orders issued under it contain the full and complete understanding of the Parties pertaining to their subject matter and supersede any and all prior and contemporaneous representations, negotiations, agreements or understandings between the Parties, whether written or oral. The Agreement and Work Orders may be modified only in writing, signed by both Parties.

ARTICLE 18 – GOVERNING LAW; VENUE

18.1 This Agreement and Work Orders, and its and their construction and any disputes arising out of, connected with, or relating to this Agreement or Work Orders shall be governed by the laws of the State of Texas, without regard to its conflicts of law principles. Venue of all dispute resolution proceedings arising out of, connected with or relating to this Agreement, shall be in Montgomery County, Texas.

ARTICLE 19 – DISPUTE RESOLUTION

19.1 In the event of any dispute arising out of or relating to this Agreement, any Work Order or any Services which SJRA and CONSULTANT have been unable to resolve within thirty (30) days after such dispute arises, a senior representative of CONSULTANT shall meet with the General Manager of SJRA at a mutually agreed upon time and place not later than forty-five (45) days after such dispute arises to attempt to resolve such dispute. In the event such representatives are unable to resolve any such dispute within fifteen (15) days after such meeting, either Party may, by written notice to the other, submit such dispute to non-binding mediation before a mutually agreeable mediator. If the Parties are unable to agree upon a mediator within twenty (20) days after such written notice of submission to mediation, the American Arbitration Association shall be empowered to appoint a qualified mediator pursuant to the American Arbitration Association Construction Industry Mediation Rules. If the dispute is technical in nature, the mediator appointed by the American Arbitration Association shall be qualified by at least ten (10) years' experience in construction, engineering, and/or public works operations. The mediation shall be conducted within thirty (30) days of the selection or appointment of the mediator, as applicable. The mediation shall be held at a mutually agreeable location in Montgomery County, Texas. If the Parties are unable to agree on a location, the mediation shall be held at the offices of the American Arbitration Association closest to Conroe, Texas.

19.2 Any dispute arising out of or relating to this Agreement or any Work Order or any Services not resolved pursuant to Article 19.1, shall be resolved, by litigation in a court of competent jurisdiction.

19.3 Notwithstanding the foregoing, in the event SJRA and any other consultant and/or any contractor are involved in a dispute in connection with a project for which CONSULTANT has provided Services, and SJRA, in its sole discretion, determines that CONSULTANT's participation in any dispute resolution meeting or mediation proceeding between SJRA and any such consultant and/or contractor is necessary to the resolution of such dispute, CONSULTANT agrees to attend and participate at its own cost in any such dispute resolution meeting or mediation proceeding.

19.4 If CONSULTANT brings any claim against SJRA and CONSULTANT does not prevail with respect to such claim, CONSULTANT shall be liable for all attorneys' fees and costs incurred by SJRA as a result of such claim.

ARTICLE 20 – ELECTRONIC SIGNATURES; COUNTERPARTS

20.1 This Agreement may be executed in counterparts, each of which shall be deemed an original, but all of which together shall be deemed to be one and the same agreement. A signed copy of this Agreement delivered by facsimile, email, or other means of electronic transmission shall be deemed to have the same legal effect as delivery of an original signed copy of this Agreement. Duplicate copies of duly executed and delivered counterparts of this Agreement shall be deemed to have the same full force and effect as originals and may be relied upon as such. Notwithstanding the foregoing, the Parties agree that this Agreement and any Work Order may be executed using electronic signatures at the option and in the discretion of SJRA, and, in such event, the provisions of the Uniform Electronic Transaction Act, Chapter 332, Texas Business and Commerce Code, as amended, and any applicable policies and procedures of SJRA regarding electronic signatures shall apply.

ARTICLE 21 – CONFIDENTIALITY

21.1 Neither CONSULTANT nor any of its subconsultants shall publish or release any publicity or public relations materials of any kind concerning or relating to this Agreement, the Services or the activities of SJRA, unless such materials have first been reviewed and approved in writing by SJRA. This provision shall not apply to mandatory reports which CONSULTANT or its subconsultants are required by law to file with governmental authorities.

IN WITNESS WHEREOF, the Parties have entered into this Agreement as of the day and year herein above first written.

CONSULTANT:

Name _____

By: _____

Name
Title

Date: _____

ATTEST:

SJRA:

San Jacinto River Authority

By: _____

Jace A. Houston
General Manager

Date: _____

ATTEST:

ATTACHMENT A

Compensation terms for cost reimbursable and lump sum Services:

A.1. COMPENSATION BASED ON COST WITH MULTIPLIER

For professional and non-professional staff, SJRA will compensate CONSULTANT on the basis of a multiplier added to the Raw Salary Cost as shown in the table below for the Scope of Work specified in the Work Order. Professional is defined as a manager, supervisor, engineer, scientist or other recognized profession. Typically, professional employees are salaried exempt employees. Typically, non-professional employees are hourly non-exempt employees. The Raw Salary Cost for salaried employees is defined as the annual base salary excluding bonuses, burdens, and benefits divided by 2080. For hourly personnel, the Raw Salary Cost is defined as the hourly wage paid to the employee exclusive of burdens and benefits. Any shift premiums or premiums paid for hours worked in excess of 40 per week will be added to the base hourly wage and will be considered a part of the Raw Salary Cost.

(a) RAW SALARY MULTIPLIERS

X.XX for professional and non-professional staff working at CONSULTANT or its subcontractor, subconsultant, or vendor offices

2.86 for professional and non-professional staff working in the field during construction or at SJRA offices for a minimum period of six (6) consecutive months

2.75 for construction inspectors working in the field

(b) EXPENSES

“Billable Expenses” include all costs and expenses directly attributable to performance of the services, which are in good accounting practice direct costs of the Services and not covered by the allowance for payroll burden and general office overhead and profit. Costs of outside services will be charged at actual invoice cost plus ten percent (10%). “Billable Expenses” include: subconsultants; travel expenses to and from locations outside Harris and Montgomery Counties; and copies of all deliverables submitted to SJRA. All local vehicle use outside Harris and Montgomery Counties will be reimbursed at the current IRS allowable rate with no markup. All other expenses are considered to be covered by the allowance for payroll burden and general office overhead and profit and are non-billable expenses.

A.2. LUMP SUM COMPENSATION

SJRA will compensate CONSULTANT on the basis of a mutually agreed upon lump sum price for the scope of work specified in the Work Order. SJRA may ask CONSULTANT for a cost estimate for the scope of work prior to issuing the Work Order. The cost estimate will include a summary breakdown showing the labor hours and cost, subconsultant costs, and other direct costs included in the estimate. Labor rates to be used in preparing the estimate will be the actual salary or wage of the employee times the appropriate multiplier specified in A.1 (a) above. CONSULTANT will submit and SJRA will pay monthly invoices based on the mutually agreed upon percentage of the project completed.

ATTACHMENT B

This Work Order is issued subject to, is governed by and incorporates by reference that certain **{MASTER}** Professional Services Agreement, Contract No. _____, between the SJRA and CONSULTANT effective _____, **2020**.

Work Order Date: _____

CONSULTANT: _____

Type of Compensation: _____

Compensation: _____

Location of Services: (County) _____

Description of Services: _____

Deliverables: See Attached.

Schedule Requirements:

Commence Services: _____

Completion of Services: _____

Submittal Dates for Each Deliverable: See Attached.

Agreed to by:

SJRA

By: _____

Name: Jace A. Houston

Title: General Manager

and

[CONSULTANT]

By: _____

Name: _____

ATTACHMENT F

RESOLUTION REQUESTING FINANCIAL ASSISTANCE TWDB-0201A, APPLICATION AFFIDAVIT TWDB-0201, CERTIFICATE OF SECRETARY TWDB-0201B

RESOLUTION NO. 2020-R-10

RESOLUTION AUTHORIZING APPLICATIONS TO THE TEXAS WATER DEVELOPMENT BOARD BY SAN JACINTO RIVER AUTHORITY FOR GRANTS FROM FLOOD INFRASTRUCTURE FUND.

WHEREAS, the San Jacinto River Authority (the "Authority"), is a conservation and reclamation district, body politic and corporate and a governmental agency of the State of Texas created and operating under the provisions of Chapter 426, Acts of the 45th Texas Legislature, Regular Session, 1937, as amended (the "Act"), enacted pursuant to the provisions of Section 59 of Article XVI of the Texas Constitution; and

WHEREAS, the Authority is authorized under the Act to store, control and conserve the storm and flood waters of the watershed of the San Jacinto River and its tributaries, and to prevent the escape of any such waters through every practical means so as to prevent the devastation of lands from recurrent overflows, and to protect life and property; and

WHEREAS, the Authority is further authorized under the Act to develop the water resources of the San Jacinto River Basin and, consistent with such authorization, the Authority operates the dam and reservoir commonly known as "Lake Conroe" for the benefit of the Authority and the City of Houston; and

WHEREAS, Section 86.0192 of the Texas Parks and Wildlife Code, as amended, makes certain provisions for the Authority and the Harris County Flood Control district to take sand, gravel, marl, shell, and mudshell from the San Jacinto River and its tributaries to restore, maintain, or expand the capacity of the river and its tributaries to convey storm flows; and

WHEREAS, the Authority and various other political subdivisions (the "Participating Entities") are considering multiple flood mitigation projects within Harris, Montgomery, Grimes, Walker, San Jacinto, Liberty, and Waller Counties, including (i) performing preliminary engineering design efforts for two potential sand traps within the Upper San Jacinto River Basin, (ii) performing a conceptual engineering feasibility study of two potential dams/reservoirs within the Spring Creek Watershed, (iii) performing a regional sedimentation study of the Upper San Jacinto River Basin, (iv) developing a joint reservoir operations strategy for Lake Conroe and Lake Houston for use after new tainter gates are installed on Lake Houston, and (v) installing rain and river or stream stage gauging equipment at three (3) locations selected by San Jacinto County (hereinafter collectively the "Projects"); and

WHEREAS, the Texas Water Development Board ("TWDB"), under the authority of Chapter 363 of the Texas Administrative Code, may provide funding for the Projects through the Flood Infrastructure Fund (the "FIF"); and

WHEREAS, the Authority intends to serve as the contracting agency on behalf of the Participating Entities and has submitted abridged applications for grants from the FIF from the TWDB to fund a portion of the Projects costs.

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF DIRECTORS OF THE SAN JACINTO RIVER AUTHORITY THAT:

Section 1: The Board of Directors of the Authority hereby finds and declares that:

(a) the Projects are consistent with the Act and/or Section 86.0192 of the Texas Parks and Wildlife Code, as amended, and would be an enhancement to the San Jacinto River Basin

and/or Lake Conroe and useful, necessary and beneficial to the citizens of Harris, Montgomery, Grimes, Walker, San Jacinto, Liberty, and/or Waller Counties;

(b) the Authority is eligible to prepare and submit applications to the TWDB for funds from the FIF for the Projects; and

(c) the Authority and the Participating Entities will provide matching local resources in connection with the FIF as may be required by the TWDB, subject to the approval of funds from the FIF sufficient to undertake the Projects.

Section 2: The General Manager of the Authority is hereby appointed as the agent and representative of the Authority for purposes of requesting and securing reasonable, written assurances that the Participating Entities, as applicable, will provide such matching local resources, subject to the approval of funds from the FIF sufficient to undertake the Projects.

Section 3: To the extent the TWDB requests a full application from the Authority in connection with any of the Projects, the General Manager of the Authority (or his designated representative) is hereby appointed as the agent and representative of the Authority for purposes of making and pursuing full applications for funds from the FIF, including negotiating a written agreement or agreements among the Participating Entities and the Authority to participate in TWDB grant applications for the Projects. The General Manager of the Authority (or his designated representative) is hereby authorized and directed to prepare and file such full applications for the funds from the FIF on behalf of the Authority; provided, however, the General Manager (or his designated representative) shall, as deemed necessary and appropriate in connection with the Projects, secure the written assurances from the Participating Entities prior to filing such application.

Section 4: The Authority hereby affirms its intention and agreement to provide local matching funds in connection with the funds from the FIF, as described above, and to enter written agreements with the Participating Entities, consistent with the expectations set forth above, as deemed necessary and appropriate in connection with the Projects and the funds from the FIF. Such agreements shall be subject to review and approval by the Board of Directors of the Authority. Any expenditure of more than \$75,000.00 of Authority funds in connection with the funds of the FIF or the Projects shall also be subject to the review and approval by the Board of Directors of the Authority.

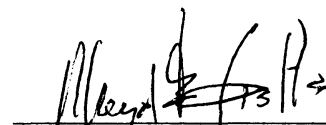
Section 5: The President of the Board of Directors of the Authority is hereby authorized to sign, and the Secretary of said Board is hereby authorized to attest, this Resolution on behalf of said Board and the Authority. This Resolution shall become effective upon its passage and adoption.

PASSED AND ADOPTED by the Board of Directors of the San Jacinto River Authority on this 27th day of August, 2020.

ATTEST:

BOARD OF DIRECTORS:


Kaaren Cambio
Secretary


Lloyd B. Tisdale
President



Application Filing and Authorized Representative Resolution

A RESOLUTION by the Board of Directors of the San Jacinto River Authority requesting financial assistance from the Texas Water Development Board; authorizing the filing of an application for assistance; and making certain findings in connection therewith.

BE IT RESOLVED BY THE Board of Directors OF THE San Jacinto River Authority:

SECTION 1: That an application is hereby approved and authorized to be filed with the Texas Water Development Board seeking financial assistance in an amount not to exceed \$ 375,000 to provide for the costs of Upper San Jacinto River Basin Regional Sedimentation Study.

SECTION 2: That Jace A. Houston be and is hereby designated the authorized representative of the San Jacinto River Authority Board of Directors for purposes of furnishing such information and executing such documents as may be required in connection with the preparation and filing of such application for financial assistance and the rules of the Texas Water Development Board.

SECTION 3: That the following firms and individuals are hereby authorized and directed to aid and assist in the preparation and submission of such application and appear on behalf of and represent the San Jacinto River Authority before any hearing held by the Texas Water Development Board on such application, to wit:

Financial Advisor:

Engineer:

Freese and Nichols, Inc.

Bond Counsel:

PASSED AND APPROVED, this the 27th day of August, 2020.

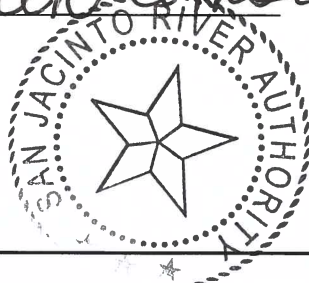
ATTEST:

Kaaren Cambio

By:

[Signature]

(Seal)



Karen Cambo
Secretary

ATTACHMENT G

DETAIL ESTIMATE FOR SJRA IN-KIND SERVICES

| | Matt Barrett | Chuck Gilman | Briana Gallagher | Heather Cook | Amber Batson | E4/5 - TBD | Jamye Lewis | Melissa Lanclos | Total Hours | Total Labor Hours |
|--|------------------------|-----------------------|----------------------------|--------------------------------|---------------------------|-------------------------|-------------------------|--------------------|-------------|-------------------|
| | <i>Project Manager</i> | <i>Senior Manager</i> | <i>Project Coordinator</i> | <i>Communications Director</i> | <i>Department Manager</i> | <i>Project Engineer</i> | <i>Accounts Payable</i> | <i>GIS Manager</i> | | |
| PHASE/TASK | | | | | | | | | | |
| Project Management | | | | | | | | | | |
| Progress Meetings | 72 | 18 | 54 | 8 | 24 | 36 | | | 212 | \$ 11,309.09 |
| Project Controls | 24 | 4 | 36 | | 4 | 8 | | | 76 | \$ 3,512.04 |
| Document Controls | 18 | | 54 | | 4 | 18 | 9 | | 103 | \$ 4,178.45 |
| Invoicing | 36 | | 18 | | | | 18 | | 72 | \$ 3,336.78 |
| | | | | | | | | | 0 | \$ - |
| Technical Submittals | | | | | | | | | 0 | \$ - |
| Background and Data Collection | 12 | | 40 | | 4 | 40 | | 8 | 104 | \$ 4,316.18 |
| Watershed Characterization | 4 | 2 | 4 | | 2 | 4 | | | 16 | \$ 852.12 |
| Sediment Supply | 8 | | 12 | | 4 | 12 | | 24 | 60 | \$ 2,901.92 |
| Sediment Management/Mitigation Solutions | 16 | 4 | 24 | | 8 | 24 | | | 76 | \$ 3,627.28 |
| Technical Memo | 40 | 8 | 16 | | 4 | 16 | | 4 | 88 | \$ 4,640.25 |
| | | | | | | | | | 0 | \$ - |
| Public Engagement | | | | | | | | | 0 | \$ - |
| Public Meeting #1 in Mont. Co | 12 | 8 | 16 | 8 | 4 | 12 | | 4 | 64 | \$ 3,503.08 |
| Public Meeting #1 in Harris Co. | 12 | 8 | 16 | 4 | 4 | 12 | | | 56 | \$ 3,002.04 |
| Public Meeting #2 in Mont. Co | 12 | 8 | 16 | 8 | 4 | 12 | | 4 | 64 | \$ 3,503.08 |
| Public Meeting #2 in Harris Co. | 12 | 8 | 16 | 4 | 4 | 12 | | | 56 | \$ 3,002.04 |
| Public Meeting #3 in Mont. Co | 12 | 8 | 16 | 8 | 4 | 12 | | 4 | 64 | \$ 3,503.08 |
| Public Meeting #3 in Harris Co. | 12 | 8 | 16 | 4 | 4 | 12 | | | 56 | \$ 3,002.04 |
| Total Hours | 302 | 84 | 354 | 44 | 78 | 230 | 27 | 48 | 1167 | |
| Total Effort | \$ 16,781.29 | \$ 7,637.28 | \$ 11,615.45 | \$ 3,182.96 | \$ 6,113.64 | \$ 9,200.00 | \$ 1,118.61 | \$ 2,540.23 | | \$ 58,189.46 |
| | | | | | | | | | | |
| Fringe | \$ 7,551.58 | \$ 3,436.78 | \$ 5,226.95 | \$ 1,432.33 | \$ 2,751.14 | \$ 4,140.00 | \$ 503.37 | \$ 1,143.10 | | \$ 26,185.26 |