

Engineering & Survey Fee Proposal

Des Allemands Bulkhead Project

10/18/18

Phase I & II

1. Title Research (NTE)	\$26,000
2. Permit Identification (NTE)	\$20,000
3. Geotechnical Engineering (NTE)	\$20,000
4. Design Memo (NTE)	<u>\$30,000</u>
Total NTE	\$96,000

Scope of Services

1. Title Research - This work will involve determining the current ownership of the properties that front on Bayou Des Allemands. A preliminary review of the assessor's records indicates that there are approximately 30 separate parcels in Phase I and 22 parcels in Phase II for a total of 52 parcels. Using an estimated cost of \$500 each for the title research report the estimated cost will be \$26,000. Please note, this estimated cost does not include any field property survey work.
2. Permitting Identification – This work will include the identification of the various permits that may be required for this project and some allowance for phone calls/meetings that will be required to start the permitting process. It also includes the preparation of some schematic plans showing the project location and typical sections. This estimate does not include any wetlands delineation, cultural resources work, or the actual permit applications. The intent here is to start the process and identify any potential problems.
3. Geotechnical Engineering – This would include 2 – 100 foot deep borings, one in Phase I and one in Phase II, to get a preliminary estimate on the depth of sheet pile required and the need for walers/batter piles.
4. Design Memorandum – This will include a preliminary site plan, typical section based on the geotechnical report, design criteria, outline of technical specifications required, and a preliminary opinion of probably cost. This memo will not include preliminary construction plans or contract documents, as that service is outside this scope of work.

Please note that this estimate includes no topographic survey, no property survey or right of way maps and does not include the preparation and submittal of any required permits. In addition, it is possible that additional geotechnical work may be required during the design process for this project. The total estimated fee to provide this report is a not to exceed fee of \$96,000.

SHREAD-KUYRKENDALL & ASSOCIATES, INC.

HOURLY RATE SCHEDULE

2018

<u>LABOR CATEGORY</u>	<u>RATE</u>
Principal	\$240.00/hr
Project/Program Manager	\$230.00/hr
Deputy Project/Program Manager	\$200.00/hr
Senior Professional Engineer	\$180.00/hr
Senior Technical Advisor	\$175.00/hr
Professional Engineer	\$150.00/hr
Graduate Engineer	\$105.00/hr
Technician I/CADD Designer	\$95.00/hr
Technician II/CADD Designer	\$85.00/hr
Administrative Assistant	\$65.00/hr
Construction Manager	\$120.00/hr
Resident Project Representative	\$75.00/hr
O & M Specialist	\$105.00/hr
3-Man Survey Crew	\$165.00/hr
Engineering Technician	\$105.00/hr
Survey Supervisor	\$165.00/hr