

St. Charles Parish

Introductions

Parish Council

Council Chairman Terrell D. Wilson

*Councilmembers Wendy Benedetto, Paul J. Hogan,
Mary K. Clulee, Dick Gibbs, William Billy Woodruff,
Marilyn B. Bellock, Traci A. Fletcher, Julia Fisher-Perrier*

St. Charles Parish Courthouse
15045 Highway 18
P.O. Box 302
Hahnville, LA 70057
985-783-5000
www.stcharlesparish-la.gov

Monday, September 18, 2017

6:00 PM

Council Chambers, Courthouse

Final

ORDINANCES / RESOLUTIONS INTRODUCED FOR PUBLICATION / PUBLIC HEARING

Monday, October 2, 2017, 6:00 pm, Council Chambers, Courthouse, Hahnville

2017-0299 An ordinance to amend the St. Charles Parish Zoning Ordinance of 1981, to change the zoning classification from C-2, General Commercial-Retail Sales to M-2, Heavy Manufacturing and Industry on Lots 1 and 26-A, Almedia Plantation Subdivision, municipal address 10511 Airline Drive, St. Rose as requested by MHI Investments, LLC.

Sponsors: Mr. Cochran and Department of Planning & Zoning

2017-0300 An ordinance approving PZSPU 2017-04, for expansion of the Type III Construction and Demolition Debris landfill at 5900 LA 3127, Killona onto Parcel H2, approximately 70 acres, as requested by KV Enterprises, LLC.

Sponsors: Mr. Cochran and Department of Planning & Zoning

S* 2017-0306 An ordinance approving and authorizing the execution of Change Order No. 1 (Balancing) for Parish Project No. S141201, Ellington Levee Force Main Relocation, to balance the contract quantities with actual quantities resulting in a decrease of \$1,585.22 and a decrease in time of thirty six (36) days.

Sponsors: Mr. Cochran and Department of Wastewater

S* 2017-0308 An ordinance to approve and authorize the execution of a contract with Tullier Services, LLC, for Parish Project No. S080503-4; Upgrades to Anna and Ama Lift Stations, with a Base Bid in the amount of \$203,000.00 and Alternate Bid in the amount of \$11,000.

Sponsors: Mr. Cochran and Department of Wastewater

- S*** 2017-0309 An ordinance to approve and authorize the Parish President to execute a Lease agreement with Raven Land, LLC for the County Agent's office in St. Charles Parish.

Sponsors: Mr. Cochran and Chief Administrative Officer

- S*** 2017-0310 An ordinance to approve and authorize the Parish President to execute a Lease agreement with D.J.V., LLC for the River Parishes Workforce Development Board Office in St. Charles Parish.

Sponsors: Mr. Cochran and Workforce Innovations and Opportunity Act Program

- ~ 2017-0311 An ordinance approving the cancellation of Lease Agreement between St. Charles Parish and Gator Cove Marina II, LLC for a Westbank Boat Launch.

Sponsors: Mr. Cochran and Department of Parks and Recreation

- ~ 2017-0312 An ordinance to approve and authorize the execution of an agreement to make irrevocable donation between St. Charles Parish and RNW Community, LLC and Normandy Associates for property upon which to construct the Des Allemands Boat Launch located off LA 632 in Des Allemands.

Sponsors: Mr. Hogan

- ~ 2017-0313 An ordinance authorizing and accepting a Professional Services Agreement for St. Charles Parish to conduct modeling and a flood insurance map appeal for the west bank of St. Charles Parish, LAMP FEMA Challenge SCP Project # LAMP-OO1.

Sponsors: Mr. Cochran, Coastal Zone Management Section, Ms. Benedetto, Mr. Hogan, Mr. Wilson, Ms. Clulee, Mr. Gibbs, Mr. Woodruff, Ms. Bellock, Ms. Fletcher and Ms. Fisher-Perrier

Accommodations for Disabled

St. Charles Parish will upon request and with three (3) days advanced notice provide reasonable accommodation to any disabled individual wishing to attend the meeting. Anyone requiring reasonable accommodation is requested to contact the Office of the Council Secretary at (985) 783-5000 to discuss the particular accommodations needed.

2017-0311

INTRODUCED BY: LARRY COCHRAN, PARISH PRESIDENT
(DEPARTMENT OF PARKS & RECREATION)

ORDINANCE NO. _____

An ordinance approving the cancellation of Lease Agreement between St. Charles Parish and Gator Cove Marina II, LLC for a Westbank Boat Launch.

WHEREAS, the citizens of St. Charles Parish have expressed a need for a public boat launch on the Westbank of St. Charles Parish; and,

WHEREAS, in an attempt to satisfy this public need for a boat launch, a lease agreement for land suitable for a boat launch was presented to the St. Charles Parish Council, as File No. 2017-0263; and,

WHEREAS, on August 28, 2017, after proper advertisement and satisfaction of all legal requirements including the conducting of a public hearing, File No. 2017-0263 was duly voted on and enacted as Ordinance No. 17-8-14; and,

WHEREAS, the St. Charles Parish Council desires that the Lease Agreement entered pursuant to Ordinance No. 17-8-14 for a Public Boat Launch be formally cancelled.

THE ST. CHARLES PARISH COUNCIL HEREBY ORDAINS:

SECTION I. That the Lease Agreement between St. Charles Parish and Gator Cove Marina II, LLC for a Westbank Boat Launch authorized to have been entered, and which was executed by the Parish President, be cancelled and that the Parish President is hereby authorized to take the necessary steps to cancel said Lease Agreement.

The foregoing ordinance having been submitted to a vote, the vote thereon was as follows:

And the ordinance was declared adopted this ____ day of _____, 2017, to become effective (5) days after publication in the Official Journal.

CHAIRMAN: _____

SECRETARY: _____

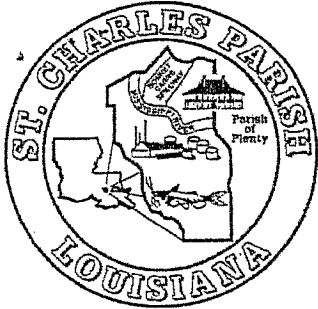
DLVD/PARISH PRESIDENT: _____

APPROVED: _____ DISAPPROVED: _____

PARISH PRESIDENT: _____

RETD/SECRETARY: _____

AT: _____ RECD BY: _____



ST. CHARLES PARISH

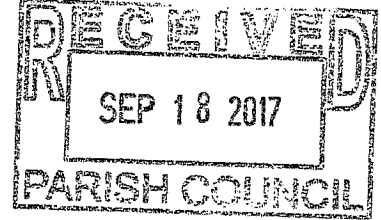
Office Of The Parish President

P.O. BOX 302 • HAHNVILLE, LOUISIANA 70057

(985) 783-5000 • FAX: (985) 308-1933

Website: www.stcharlesparish-la.gov • lcochran@stcharlesgov.net

LARRY COCHRAN
PARISH PRESIDENT



September 13, 2017

Gator Cove Marina II, LLC
16124 Highway 3235
CutOff, LA 70345

Re: Lease Agreement between St. Charles Parish
and Gator Cove II, LLC

Gentlemen:

Please be advised that St. Charles Parish hereby exercises its right to cancel the referenced lease in accordance with Paragraph 6(b) thereof.

We trust that GATOR COVE MARINA II, LLC will forego any lease payments which may be due it in accordance with said lease.

Sincerely,

A handwritten signature in black ink, appearing to be "Larry Cochran", written over a horizontal line.

Larry Cochran

RLR:dhh

2017-0312

INTRODUCED BY: PAUL J. HOGAN, PE, COUNCILMAN-AT-LARGE, DIVISION B
ORDINANCE NO. _____

An ordinance to approve and authorize the execution of an agreement to make irrevocable donation between St. Charles Parish and RNW Community, LLC and Normandy Associates for property upon which to construct the Des Allemands Boat Launch located off LA 632 in Des Allemands.

WHEREAS, it has been the desire of the Parish to relocate the existing problematic Des Allemands Boat launch from its current location beneath the Highway 90 Bridge; and,

WHEREAS, RNW Community, LLC and Normandy Associates have offered to donate property located off LA 632 for the relocation of the Des Allemands Boat Launch upon the Parish securing funds for its construction; and,

WHEREAS, the Parish desires to construct a boat launch at this location and wishes to accept the property offered for donation upon the Parish securing the necessary funding to construct the boat launch.

THE ST. CHARLES PARISH COUNCIL HEREBY ORDAINS:

SECTION I. That the agreement to make irrevocable donation between St. Charles Parish and RNW Community, LLC and Normandy Associates for property upon which to construct the Des Allemands Boat Launch located off LA 632 in Des Allemands is hereby approved and accepted.

SECTION II. That the Parish President is hereby authorized to execute said Agreement to Make Irrevocable Donation on behalf of St. Charles Parish.

The foregoing ordinance having been submitted to a vote, the vote thereon was as follows:

And the ordinance was declared adopted this _____ day of _____, 2017, to become effective five (5) days after publication in the Official Journal.

CHAIRMAN: _____

SECRETARY: _____

DLVD/PARISH PRESIDENT: _____

APPROVED: _____ DISAPPROVED: _____

PARISH PRESIDENT: _____

RETD/SECRETARY: _____

AT: _____ RECD BY: _____

AGREEMENT TO MAKE IRREVOCABLE DONATION

The undersigned RNW COMMUNITY, LLC and NORMANDY ASSOCIATES, owner and mortgagee, respectively, (collectively, Grantors) of that certain property located in the Parish of St. Charles, State of Louisiana (Parish), known as Lot 338-A containing 15.038 acres and a 60-foot wide access to said Lot 338-A from the WPA Road connecting with Louisiana Highway 632 containing 3.283 acres all in accordance with a survey by Lucien C. Gassen, P.L.S., dated February 24, 1994 revised April 8, 1994 (collectively Property).

The Property was acquired from TEXACO, INC. by THERIOT SHIPBUILDINGS, LLC and transferred by merger 16 December 2005 into MANCHAC MARINE, LLC, which company issued a mortgage in favor of FIRST NATIONAL BANK USA. On 22 May 2008 the said bank sold the note and assigned the mortgage to RNW COMMUNITY, LLC. On 9 March 2009, MANCHAC MARINE, LLC issued a *Dation en Paiement* to RNW COMMUNITY LLC, which was recorded on 4 May 2009 in St. Charles Parish Book 1321 Page 279. NORMANDY ASSOCIATES currently holds a multiple indebtedness mortgage on the Property recorded 4 May 2009 in St. Charles Parish Book 1321 Page 285. RIVERBEND CORPORATION – RW2 is the Manager of RNW COMMUNITY, LLC and the General Partner of NORMANDY ASSOCIATES. Robert Wiegand II is the President of RIVERBEND CORPORATION.

Grantors agree, under the terms and conditions set out herein, to donate to the Parish a site out of Lot 338-A in the south East corner of said lot, which site is to measure along the easterly side from the SE corner approximately 575 feet northerly to the northern line of the 60-foot wide access, thence westerly approximately 250 feet along a line extending the northern line of the 60 foot wide access, and thence southerly to the southern property line of Lot 338-A, containing approximately 3.01 acres (Boat Launch Site).

Grantors further agree, under the terms and conditions set out herein, to donate to the Parish the 60 foot wide access from WPA Road containing 3.283 acres.

Grantors further agree that this described property shall not be alienated or encumbered in a manner as would in any way forestall this donation until after the 3rd anniversary of the execution of this agreement after which this agreement shall expire unless agreed otherwise in writing by both parties. During the 3 year period, the Parish shall seek funding for the boat launch and access roadway. Upon securing the funding source, the Parish will prepare all documentation needed for the Parish council to accept the donation and will accept the same.

The donation will be subject to the following conditions:

1. The donation is to be a charitable donation to the Parish to be used exclusively for the development of a public boat launch containing no commercial activities and an access roadway. This development shall be known as "the project."

2. The donation is to be made with a reservation of a utilities easement for the bringing of water, sewer (future), gas, telephone, and cable (and additional utilities) as may be necessary to service the remainder of Lot 338-A. When speaking of "servicing the remainder of Lot 338-A", it is understood that the said balance may be used for industrial, commercial, or multiple residential uses or a combination of same.
3. The Parish will construct a minimum 25 foot wide hard surface access roadway within the 60 foot wide access, which roadway must extend from the WPA Road to the western edge of the Boat Launch Site for access to the Boat Launch and to the remainder of Lot 338-A. Said road is to be built to Parish standards for public commercial streets on Parish-owned rights-of-way. However, funding is not immediately available for construction and maintenance of this project. Upon the Parish securing funding for the project, the Parish agrees to construct the project within three (3) years from the date of the donation. Under no circumstances is the Parish obligated to construct the project until such time as a firm commitment for funding is received by the Parish.
4. The Parish must install overhead electrical utilities and street lighting along the access roadway and around the Boat Launch Site in conjunction with construction of the project. All such lighting is to be so designed as to minimize the ambient lighting "spilled" outside of the site donated to the Parish and onto the remainder of Lot 338-A. The electrical lines servicing the Boat Launch Site will be of sufficient capacity as to service the remainder of Lot 338-A.
5. If Grantor is timely in installing any Additional Utilities, the construction of same and the construction of the road will be coordinated so that so that neither the installation of Additional Utilities nor the construction of the road is unreasonably hampered. Any delays in the construction of the road or the Boat Launch facility caused by Grantor's installation of Additional utilities will increase the time allowed in Paragraph 6 for completion of construction.
6. The Parish shall complete construction of the boat launch and access roadway within 3 years of the date of the donation.
7. All material excavated from the construction of the roadway and the Boat Launch (and parking) site and not used elsewhere therein must be "deposited and spread" in the borrow canal across remainder of Lot 338-A and in the hole located to the North of donated site.

In my capacity as President of RIVERBEND CORPORATION – RW2, which is, itself, Manager for RNW COMMUNITY, LLC and General Partner of NORMANDY ASSOCIATES, I bind the said companies to the above and foregoing Agreement.

WITNESSES

RIVERBEND CORPORATION – RW2

By: _____
Robert Wiegand II – President
Date: _____

ST. CHARLES PARISH

By: _____
Larry Cochran – President
Date: _____

2017-0313

**INTRODUCED BY: LARRY COCHRAN, PARISH PRESIDENT
(DEPARTMENT OF CZM)
ST. CHARLES PARISH COUNCIL**

ORDINANCE NO. _____

An ordinance authorizing and accepting a Professional Services Agreement for St. Charles Parish to conduct modeling and a flood insurance map appeal for the west bank of St. Charles Parish, LAMP FEMA Challenge SCP Project # LAMP-OO1.

WHEREAS, in an effort to recognize levees, flood control structures, and other topographic features to produce accurate flood maps that maintain affordable flood insurance, St. Charles Parish was selected as a PILOT jurisdiction by FEMA to participate in the Levees Analysis and Mapping Procedures (LAMP) program; and,

WHEREAS, the agreement with Lonnie G. Harper & Associates, Inc. was authorized by the St. Charles Parish Council in Ordinance #15-9-9 expired on June 30, 2017; and,

WHEREAS, FEMA does not have a contractor in place and has not had one for nearly one year to evaluate and advise our modelling efforts; and,

WHEREAS, without a FEMA contractor the project has taken longer than originally anticipated; and,

WHEREAS, the Parish wishes to sign a new contract Lonnie G. Harper & Associates, Inc. for one year at the same price with the same conditions to complete the originally contracted work.

THE ST. CHARLES PARISH COUNCIL HEREBY ORDAINS:

SECTION I. That the Professional services agreement for St. Charles Parish to conduct modeling and a flood insurance map appeal for the west bank of St. Charles Parish is hereby authorized and accepted.

The foregoing ordinance having been submitted to a vote, the vote thereon was as follows:

And the ordinance was declared adopted this _____ day of _____, 2017, to become effective five (5) days after publication in the Official Journal.

CHAIRMAN: _____

SECRETARY: _____

DLVD/PARISH PRESIDENT: _____

APPROVED : _____ DISAPPROVED: _____

PARISH PRESIDENT: _____

RETD/SECRETARY: _____

AT: _____ RECD BY: _____



ST. CHARLES PARISH

DEPARTMENT OF COASTAL ZONE MANAGEMENT

PROFESSIONAL SERVICES AGREEMENT

This AGREEMENT made and entered into the _____ day of _____, 2017, by and between ST. CHARLES PARISH acting herein by and through its President, who is duly authorized to act on behalf of the Parish, hereinafter called the OWNER and **LONNIE G HARPER & ASSOCIATES** herein and through its President, hereinafter called the CONSULTANT. Whereas the OWNER desires to employ the CONSULTANT to perform the services described herein for Parish Project **Levee Analysis and Mapping Procedures, LAMP001.**

1. GENERAL

- a. The OWNER engages the CONSULTANT to perform modeling necessary to successfully participate in the LAMP pilot program and Flood Insurance Rate Map Appeal under the consultation of Dr. Joseph Suhayda (LAMP Coordinator) identified and described in the Scope of Services. CONSULTANT services shall conform to the requirements of the OWNER and all participating regulating agencies.

2. SERVICES OF THE CONSULTANT

- a. The services consist of the work defined in the following Scope of Services.
- b. SCOPE OF SERVICES:
 - Complete those tasks included in EXHIBIT A assigned through the OWNER determined to be necessary for the successful participation by St. Charles Parish in the LAMP pilot program and Flood Insurance Rate Map Appeal

3. PERIOD OF SERVICE

- a. The CONSULTANT shall complete and produce all tasks assigned by the OWNER within the time frame and task orders established by the LAMP Coordinator.
- b. In the event that delays are experienced beyond the control of the CONSULTANT, the schedule may be revised as mutually agreed upon by the OWNER and the CONSULTANT.
- c. The contract shall expire on June 30, 2018 unless extended by mutual written agreement by both parties.

4. CONSULTANT'S COMPENSATION

- a) The method of payment for this AGREEMENT is HOURLY based on the Not to Exceed amounts for each task order for services listed in EXHIBIT A or a lower negotiated amount. Fees for the Services shall be charged to Client at an hourly rate charge according to the schedule in EXHIBIT A. Client agrees to pay CONSULTANT for all services that CONSULTANT performs. If the not to exceed sum is exceeded, it will be considered outside the scope of services and upon approval by the OWNER will be billed as additional billable at the appropriate rates.
- b) Reimbursable expenses shall be approved prior to expenditure, fully documented and reimbursed at cost. Mileage reimbursement will be billed at the appropriate IRS Standard Mileage Rate.
- c) Such payment to be made to CONSULTANT within thirty (30) days after receipt of CONSULTANT'S invoice by OWNER.

5. SERVICES OF THE OWNER

- a. OWNER shall assist CONSULTANT in carrying out the Scope of Services by placing at his disposal all existing relevant data and records in its possession.
- b. CONSULTANT shall be responsible for searching said data and records provided and shall request specific clarification of the information as needed.
- c. OWNER guarantees CONSULTANT access to all public property as required in order to complete the Scope of Services.
- d. CONSULTANT shall work with other consultants working on the PROJECT under the direction of the OWNER.

6. TERMINATION

- a. This AGREEMENT may be terminated without cause by either party upon ten (10) days written notice.
- b. Immediately after receiving such notice, the CONSULTANT shall discontinue advancing the services under this AGREEMENT.
- c. CONSULTANT shall invoice an ascertainable sum proportionate to the lump sum fee amount described in Section 4. The percentage of services completed shall be based upon the Scope of Services set forth in Section 2B.
- d. In no event shall the fee exceed what is set forth in Section 4E of the AGREEMENT.
- e. OWNER, upon receiving the completed or partially completed deliverables, and after the final fee is mutually agreed upon, shall make payment within thirty (30) days.
- f. In the event that this contract is terminated, OWNER shall have the option of completing the Scope of Services in house or entering into an AGREEMENT with another party to complete the work.

7. COMPLIANCE WITH LAWS AND ORDINANCES

- a. The CONSULTANT hereby agrees to comply with all Federal, State, and Local Laws and Ordinances applicable to the Scope of Services under this AGREEMENT.

8. SUCCESSORS AND ASSIGNS

- a. This AGREEMENT is not assignable.

9. INSURANCE

- a. The CONSULTANT shall secure and maintain at his expense such General Liability insurance that will protect him and the OWNER, from claims under the Workmen's Compensation Acts and from claims for bodily injury, death or property damage which may arise from performance of services under this AGREEMENT.
- b. Insurance for bodily injury or death shall be in the unencumbered amount of FIVE HUNDRED THOUSAND DOLLARS (\$500,000.00) for one person and not less than ONE MILLION DOLLARS (\$1,000,000.00) for all injuries and/or deaths resulting from any one occurrence.
- c. The insurance for property damage shall be in the unencumbered amount of FIVE HUNDRED THOUSAND DOLLARS (\$500,000.00) for each accident and not less than ONE MILLION DOLLARS (\$1,000,000.00) aggregate.
- d. CONSULTANT shall also secure and maintain at his own expense professional liability insurance in the unencumbered sum of ONE MILLION DOLLARS (\$1,000,000.00).
- e. All certificates of insurance shall be furnished to the OWNER within five (5) days after execution of the AGREEMENT and shall provide that insurance not be cancelled without ten (10) days prior written notice to the OWNER.

- f. St. Charles Parish shall be named as additional insured on general liability insurance policies.
- g. OWNER may examine all insurance policies.
- h. For all purposes under Louisiana law, the principals of this AGREEMENT shall be recognized as the statutory employer of all contract employees as provided in LSA-R.S. 23:1061.

10. OTHER

- a. CONSULTANT shall indemnify and save harmless the OWNER against any and all claims, demands, suits or judgments for sums of money to any party for loss of life or injury or damages to person or property growing out of, resulting from or by reason of any negligent act by the CONSULTANT, its agents, servants or employees, while engaged upon or in connection with the services required or performed hereunder.
- b. This AGREEMENT constitutes the entire agreement between the parties. There are no understandings, agreements, or representations, oral or written, not specified within this AGREEMENT. This AGREEMENT may not be modified, supplemented or amended, in any manner, except by written agreement signed by both parties.

11. EXCLUSIVE JURISDICTION AND VENUE

- a. For all claims arising out of or related to this agreement, CONSULTANT hereby consents and yields to the exclusive jurisdiction and venue of the Twenty-Ninth Judicial District Court for the Parish of St. Charles and expressly waives any (a) pleas of jurisdiction based upon CONSULTANT'S residence and (b) right of removal to Federal Court based upon diversity of citizenship.

IN WITNESS WHEREOF, the parties hereto have executed this AGREEMENT the day, month and year first above mentioned,

ATTEST

ST. CHARLES PARISH

By: Mr. Larry Cochran
Parish President

ATTEST

Lonnie G. Harper & Associates

By: Lonnie Harper, President

Task		Budget	% Complete	Balance
Task 1	Flood Threat Assessment	\$237,240.00	100	\$0.00
Task 2	Surge Modeling	\$387,380.00	85	\$58,107.00
Task 3	WHAFIS Modeling	\$107,683.00	40	\$64,609.80
Task 4	Reporting	\$84,968.00	7	\$79,020.24
	Total	\$817,271.00		\$201,737.04
	Invoice #	Amount		
	7499	\$109,859.55		
	7523	\$90,574.65		
	7660	\$210,128.30		
	7752	\$204,971.41		
	Total	\$615,533.91		
	Total Budget	\$817,271.00		
	Remaining	\$201,737.09		

Scope of Work For
St. Charles Parish BFE and LAMP Modeling Analysis
St. Charles Parish, Louisiana

Project Team: Lonnie G. Harper & Associates, Woods Hole Group, Ransom Consulting

Task 1. Flood Threat Assessment						
	Firm	Staff	Hours	Rate/hr	Cost	
1.1 Specify engineering and technical procedures that will be used in the re-mapping effort, including data sets and modeling approach	LGH	Sr. Principal	4	\$213.40	\$853.60	
	LGH	Sr. Project Coordinator	8	\$187.10	\$1,496.80	
	LGH	Engineering Intern II	0	\$114.00	\$0.00	
	WHG	Project Mgr	16	\$175.00	\$2,800.00	
	WHG	Coastal Engr/Modeler IV	16	\$135.00	\$2,160.00	
Total Anticipated Cost for Task 1.1:					\$7,310.40	
1.2 Analyze causes of historic flooding including storm surge, backwater, and rainfall	LGH	Sr. Principal	2	\$213.40	\$426.80	
	LGH	Sr. Project Coordinator	12	\$187.10	\$2,245.20	
	LGH	Engineering Intern II	16	\$114.00	\$1,824.00	
	WHG	Project Mgr	8	\$175.00	\$1,400.00	
	WHG	Coastal Engr/Modeler IV	40	\$135.00	\$5,400.00	
Total Anticipated Cost for Task 1.2:					\$11,296.00	
1.3 Identify technical deficiencies in the Flood Insurance Study for the parish in terms of the data sets used, the joint probability and storm tracks, the storm surge modeling, the WHAFIS modeling and the determination of the DFIRM zones and elevations. (See Sub-task Breakdown, Below)	(See Sub-task Manhour Estimates, Below)					
	Total Anticipated Cost for Task 1.3:					\$218,633.60
1.3 Sub-Task Manhour Estimates						
1.3.1 Collect and review all engineering data reports used in developing the DFIRMs.						
1.3.1.1 Intermediate Data Submission Report (IDS) I and II	LGH	Sr. Principal	0	\$213.40	\$0.00	
	LGH	Sr. Project Coordinator	2	\$187.10	\$374.20	
	LGH	Engineering Intern II	2	\$114.00	\$228.00	
	LGH	CAD Technician III	0	\$0.00	\$0.00	
	WHG	Project Mgr	8	\$175.00	\$1,400.00	
	WHG	Coastal Engr/Modeler III	8	\$135.00	\$1,080.00	
	WHG	Coastal Engr/Modeler IV	4	\$110.00	\$440.00	
1.3.1.2 Technical Support Data Notebook	LGH	Sr. Principal	1	\$213.40	\$213.40	
	LGH	Sr. Project Coordinator	4	\$187.10	\$748.40	
	LGH	Engineering Intern II	16	\$114.00	\$1,824.00	
	LGH	CAD Technician III	2	\$0.00	\$0.00	
	WHG	Project Mgr	8	\$175.00	\$1,400.00	
	WHG	Coastal Engr/Modeler III	32	\$135.00	\$4,320.00	
	WHG	Coastal Engr/Modeler IV	8	\$110.00	\$880.00	
1.3.1.3 Flood Insurance Study	LGH	Sr. Principal	2	\$213.40	\$426.80	
	LGH	Sr. Project Coordinator	8	\$187.10	\$1,496.80	
	LGH	Engineering Intern II	0	\$114.00	\$0.00	
	LGH	CAD Technician III	0	\$0.00	\$0.00	
	WHG	Project Mgr	8	\$175.00	\$1,400.00	
	WHG	Coastal Engr/Modeler III	8	\$135.00	\$1,080.00	
	WHG	Coastal Engr/Modeler IV	8	\$110.00	\$880.00	

1.3.1.4 DFIRM Map Panels	LGH	Sr. Principal	1	\$213.40	\$213.40
	LGH	Sr. Project Coordinator	4	\$187.10	\$748.40
	LGH	Engineering Intern II	4	\$114.00	\$456.00
	LGH	CAD Technician III	8	\$0.00	\$0.00
	WHG	Project Mgr	1	\$175.00	\$175.00
	WHG	Coastal Engr/Modeler III	4	\$110.00	\$440.00
	WHG	Coastal Engr/Modeler IV	16	\$135.00	\$2,160.00
1.3.1.5 ADCIRC Computer Files	LGH	Sr. Principal	0	\$213.40	\$0.00
	LGH	Sr. Project Coordinator	2	\$187.10	\$374.20
	LGH	Engineering Intern II	0	\$114.00	\$0.00
	LGH	CAD Technician III	0	\$0.00	\$0.00
	WHG	Project Mgr	2	\$135.00	\$270.00
	WHG	Coastal Engr/Modeler III	12	\$110.00	\$1,320.00
	WHG	Coastal Engr/Modeler IV	8	\$135.00	\$1,080.00
1.3.1.6 STWAVE Computer Files	LGH	Sr. Principal	0	\$213.40	\$0.00
	LGH	Sr. Project Coordinator	2	\$187.10	\$374.20
	LGH	Engineering Intern II	0	\$114.00	\$0.00
	LGH	CAD Technician III	0	\$0.00	\$0.00
	WHG	Project Mgr	2	\$175.00	\$350.00
	WHG	Coastal Engr/Modeler III	8	\$110.00	\$880.00
	WHG	Coastal Engr/Modeler IV	4	\$135.00	\$540.00
1.3.1.7 WHAFIS Computer Files	LGH	Sr. Principal	2	\$213.40	\$426.80
	LGH	Sr. Project Coordinator	24	\$187.10	\$4,490.40
	LGH	Engineering Intern II	8	\$114.00	\$912.00
	LGH	CAD Technician III	24	\$0.00	\$0.00
	WHG	Project Mgr	4	\$175.00	\$700.00
	WHG	Coastal Engr/Modeler IV	40	\$135.00	\$5,400.00
	WHG	Coastal Engr/Modeler III	16	\$110.00	\$1,760.00
1.3.1.8 FEMA guidelines, manuals, reports	LGH	Sr. Principal	2	\$213.40	\$426.80
	LGH	Sr. Project Coordinator	4	\$187.10	\$748.40
	LGH	Engineering Intern II	4	\$114.00	\$456.00
	LGH	CAD Technician III	0	\$0.00	\$0.00
	WHG	Project Mgr	4	\$175.00	\$700.00
	WHG	Coastal Engr/Modeler III	8	\$110.00	\$880.00
	WHG	Coastal Engr/Modeler IV	8	\$135.00	\$1,080.00
1.3.1.9 Review all existing survey data	LGH	Sr. Principal	0	\$213.40	\$0.00
	LGH	Sr. Project Coordinator	2	\$187.10	\$374.20
	LGH	Engineering Intern II	4	\$114.00	\$456.00
	LGH	CAD Technician III	8	\$0.00	\$0.00
	WHG	Project Mgr	8	\$175.00	\$1,400.00
	WHG	Coastal Engr/Modeler III	16	\$110.00	\$1,760.00
	WHG	Coastal Engr/Modeler IV	16	\$135.00	\$2,160.00
Total Anticipated Cost for Task 1.3.1:					\$51,703.40
1.3.2 Collect and review the data used in the FIS including bathymetry, topography, land cover, and roadway and levee elevations and locations.					
	Firm	Staff	Hours	Rate/hr	Cost
1.3.2.1 Review the DEM used in preparing the DFIRMs (does is meet the FEMA mapping criteria requirements for use in a FIS.)	LGH	Sr. Principal		\$213.40	\$0.00
	LGH	Sr. Project Coordinator	2	\$187.10	\$374.20
	WHG	Project Mgr	1	\$175.00	\$175.00
	WHG	Coastal Engr/Modeler IV	4	\$135.00	\$540.00

1.3.2.2 Verify the accuracy of the DEM (statewide benchmarks were unreliable).	LGH	Sr. Principal	4	\$213.40	\$853.60
	LGH	Sr. Project Coordinator	16	\$187.10	\$2,993.60
	LGH	Engineering Intern II	24	\$114.00	\$2,736.00
	LGH	CAD Technician III	24	\$89.20	\$2,140.80
1.3.2.3 Verify that the ADCIRC topography matches the DEM.	LGH	Sr. Project Coordinator	1	\$187.10	\$187.10
	WHG	Project Mgr	2	\$175.00	\$350.00
	WHG	Coastal Engr/Modeler IV	8	\$135.00	\$1,080.00
	WHG	Coastal Engr/Modeler III	8	\$110.00	\$880.00
1.3.2.4 Verify that the WHAFIS topography matches the DEM.	LGH	Sr. Principal	4	\$213.40	\$853.60
	LGH	Sr. Project Coordinator	24	\$187.10	\$4,490.40
	LGH	Engineering Intern II	32	\$114.00	\$3,648.00
	LGH	CAD Technician III	32	\$89.20	\$2,854.40
1.3.2.5 Verify that the WHAFIS topography matches the ADCIRC topography.	LGH	Sr. Project Coordinator	8	\$187.10	\$1,496.80
	LGH	Engineering Intern II	24	\$114.00	\$2,736.00
	LGH	CAD Technician III	12	\$89.20	\$1,070.40
	WHG	Project Mgr	8	\$175.00	\$1,400.00
	WHG	Coastal Engr/Modeler IV	16	\$135.00	\$2,160.00
	WHG	Coastal Engr/Modeler III	16	\$110.00	\$1,760.00
1.3.2.6 Check validity of the bathymetry used in the ADCIRC model (many source data are decades old).	LGH	Sr. Principal	4	\$213.40	\$853.60
	LGH	Sr. Project Coordinator	16	\$187.10	\$2,993.60
	LGH	Engineering Intern II	8	\$114.00	\$912.00
	LGH	CAD Technician III	24	\$89.20	\$2,140.80
Total Anticipated Cost for Task 1.3.2:					\$41,679.90
1.3.3 Review the set-up of the ADCIRC and STWAVE computer models used in the FIS.					
	Firm	Staff	Hours	Rate/hr	Cost
1.3.3.1 Check to see if ADCIRC and STWAVE model topographic grids omitted key manmade and natural levee/ridge structures (do grids properly represent the actual field conditions).	LGH	Sr. Principal		\$213.40	\$0.00
	LGH	Sr. Project Coordinator	2	\$187.10	\$374.20
	WHG	Project Mgr	8	\$175.00	\$1,400.00
	WHG	Coastal Engr/Modeler IV	32	\$135.00	\$4,320.00
	WHG	Coastal Engr/Modeler III	8	\$110.00	\$880.00
1.3.3.2 Verify that inland water features are modeled according to actual dimensions of width and depth.	LGH	Sr. Principal		\$213.40	\$0.00
	LGH	Sr. Project Coordinator	2	\$187.10	\$374.20
	WHG	Project Mgr	4	\$175.00	\$700.00
	WHG	Coastal Engr/Modeler IV	8	\$135.00	\$1,080.00
	WHG	Coastal Engr/Modeler III	16	\$110.00	\$1,760.00
1.3.3.3 Verify that grid resolution is detailed enough to accurately model storm surge over small scale topographic features.	LGH	Sr. Principal		\$213.40	\$0.00
	LGH	Sr. Project Coordinator	1	\$187.10	\$187.10
	WHG	Project Mgr	2	\$175.00	\$350.00
	WHG	Coastal Engr/Modeler IV	8	\$135.00	\$1,080.00
	WHG	Coastal Engr/Modeler III	16	\$110.00	\$1,760.00
1.3.3.4 Verify that weir features represent actual ridges and levees, and are properly represented in model input (horizontal and vertical control).	LGH	Sr. Principal		\$213.40	\$0.00
	LGH	Sr. Project Coordinator	2	\$187.10	\$374.20
	WHG	Project Mgr	2	\$175.00	\$350.00
	WHG	Coastal Engr/Modeler IV	8	\$135.00	\$1,080.00
	WHG	Coastal Engr/Modeler III	16	\$110.00	\$1,760.00

1.3.3.5 Verify the accuracy of the ADCIRC model predictions for Hurricane Rita and Gustav.	LGH	Sr. Principal		\$213.40	\$0.00
	LGH	Sr. Project Coordinator	2	\$187.10	\$374.20
	WHG	Project Mgr	4	\$175.00	\$700.00
	WHG	Coastal Engr/Modeler IV	8	\$135.00	\$1,080.00
	WHG	Coastal Engr/Modeler III	24	\$110.00	\$2,640.00
Total Anticipated Cost for Task 1.3.3:					\$22,623.90
1.3.4 Review the joint probability analysis and storm tracks used in the FIS surge model.					
	Firm	Staff	Hours	Rate/hr	Cost
1.3.4.1 Check statistics for storm probabilities used in JPM runs.	LGH	Sr. Principal	2	\$213.40	\$426.80
	LGH	Sr. Project Coordinator	2	\$187.10	\$374.20
	WHG	Project Mgr	4	\$175.00	\$700.00
	WHG	Coastal Engr/Modeler IV	8	\$135.00	\$1,080.00
1.3.4.2 Check JPM storm surge runs for locations and tracks.	LGH	Sr. Principal	2	\$213.40	\$426.80
	LGH	Sr. Project Coordinator	2	\$187.10	\$374.20
	WHG	Project Mgr	4	\$175.00	\$700.00
	WHG	Coastal Engr/Modeler IV	8	\$135.00	\$1,080.00
1.3.4.3 Verify 1% SWEL for parish.	LGH	Sr. Principal	2	\$213.40	\$426.80
	LGH	Sr. Project Coordinator	2	\$187.10	\$374.20
	WHG	Project Mgr	8	\$175.00	\$1,400.00
	WHG	Coastal Engr/Modeler IV	16	\$135.00	\$2,160.00
Total Anticipated Cost for Task 1.3.4:					\$9,523.00
1.3.5 Review the set-up of the WHAFIS wave forecasting computer model used in the FIS including the treatment of levees and roadways.					
	Firm	Staff	Hours	Rate/hr	Cost
1.3.5.1 Check that the vegetation parameters used in the WHAFIS model are correct and represent actual field conditions.	LGH	Sr. Principal	4	\$213.40	\$853.60
	LGH	Sr. Project Coordinator	24	\$187.10	\$4,490.40
	LGH	Engineering Intern II	24	\$114.00	\$2,736.00
	LGH	CAD Technician III	24	\$89.20	\$2,140.80
1.3.5.2 Check WHAFIS transect start point and initial wave height.	LGH	Sr. Project Coordinator	2	\$187.10	\$374.20
	LGH	Engineering Intern II	16	\$114.00	\$1,824.00
	LGH	CAD Technician III	4	\$89.20	\$356.80
1.3.5.3 Check WHAFIS transect segments for type and accuracy.	LGH	Sr. Principal	4	\$213.40	\$853.60
	LGH	Sr. Project Coordinator	24	\$187.10	\$4,490.40
	LGH	Engineering Intern II	16	\$114.00	\$1,824.00
	LGH	CAD Technician III	24	\$89.20	\$2,140.80
1.3.5.4 Check calculation of wave run-up.	LGH	Sr. Principal	2	\$213.40	\$426.80
	LGH	Sr. Project Coordinator	8	\$187.10	\$1,496.80
	WHG	Project Mgr	4	\$175.00	\$700.00
	WHG	Coastal Engr/Modeler IV	4	\$135.00	\$540.00
	WHG	Coastal Engr/Modeler III	32	\$110.00	\$3,520.00
Total Anticipated Cost for Task 1.3.5:					\$28,768.20

1.3.6 Review the FIRMs for protest issues.					
	Firm	Staff	Hours	Rate/hr	Cost
1.3.6.1 Verify BFE elevations were mapped properly.	LGH	Sr. Principal	4	\$213.40	\$853.60
	LGH	Sr. Project Coordinator	16	\$187.10	\$2,993.60
	LGH	Engineering Intern II	24	\$114.00	\$2,736.00
	LGH	CAD Technician III	32	\$89.20	\$2,854.40
	WHG	Project Mgr	4	\$175.00	\$700.00
	WHG	Coastal Engr/Modeler IV	24	\$135.00	\$3,240.00
1.3.6.2 Verify Flood Hazard Zones were mapped properly.	LGH	Sr. Principal	4	\$213.40	\$853.60
	LGH	Sr. Project Coordinator	24	\$187.10	\$4,490.40
	LGH	Engineering Intern II	30	\$114.00	\$3,420.00
	LGH	CAD Technician III	24	\$89.20	\$2,140.80
	WHG	Project Mgr	4	\$175.00	\$700.00
	WHG	Coastal Engr/Modeler IV	24	\$135.00	\$3,240.00
Total Anticipated Cost for Task 1.3.6:					\$28,222.40
1.3.7 Identify the scientific and technical deficiencies of the FIS work					
	Firm	Staff	Hours	Rate/hr	Cost
1.3.7.1 Prepare text, tables and figures to illustrate the deficiencies revealed during the review.	LGH	Sr. Principal	16	\$213.40	\$3,414.40
	LGH	Sr. Project Coordinator	32	\$187.10	\$5,987.20
	LGH	Engineering Intern II	16	\$114.00	\$1,824.00
	LGH	CAD Technician III	24	\$89.20	\$2,140.80
	LGH	Administrative/Clerical II	24	\$48.20	\$1,156.80
	WHG	Project Mgr	48	\$175.00	\$8,400.00
	WHG	Coastal Engr/Modeler IV	32	\$135.00	\$4,320.00
	WHG	Coastal Engr/Modeler III	32	\$110.00	\$3,520.00
1.3.7.2 Present results of review to the parish.	LGH	Sr. Principal	8	\$213.40	\$1,707.20
	LGH	Sr. Project Coordinator	16	\$187.10	\$2,993.60
	LGH	Engineering Intern II	4	\$114.00	\$456.00
	LGH	Administrative/Clerical II	4	\$48.20	\$192.80
Total Anticipated Cost for Task 1.3.7:					\$36,112.80
Total Anticipated Cost for Task 1:					\$237,240.00
Task 2. Surge Modeling					
2.1 Obtain new environmental data from the parish to be used for remapping BFEs including topography, bathymetry, vegetation, cultural features, landscape features, non-levee barriers, and levees.	See Attached Summary for Sub-task manhour estimates Woods Hole Group/Ransom				
	Total Anticipated Cost for Task 2.1:				
2.2 Set-up new model grids for existing (2014) and future conditions (2064).	See Attached Summary for Sub-task manhour estimates Woods Hole Group/Ransom				
	Total Anticipated Cost for Task 2.2:				

2.3 Calibrate and verify the surge model for hurricanes including Katrina, Rita, Gustav, and Issac.	See Attached Summary for Sub-task manhour estimates Woods Hole Group/Ransom				
	Total Anticipated Cost for Task 2.3:	\$14,840.00			
2.4 Compute new 1% still water elevations (SWELs) for existing and future conditions.	See Attached Summary for Sub-task manhour estimates Woods Hole Group/Ransom				
	Total Anticipated Cost for Task 2.4:	\$43,900.00			
2.5 Model Calibration and Verification	See Attached Summary for Sub-task manhour estimates Woods Hole Group/Ransom				
	Total Anticipated Cost for Task 2.5:	\$65,900.00			
2.6 Production Simulations and Statistical Model Development	See Attached Summary for Sub-task manhour estimates Woods Hole Group/Ransom				
	Total Anticipated Cost for Task 2.6:	\$154,900.00			
Total Anticipated Cost for Task 2:		\$387,380.00			
Task 3. WHAFIS Modeling					
3.1 Determine number and location of wave transects needed and identify topography, bathymetry, vegetation, cultural features, landscape features, and non-levee barriers to be included in the WHAFIS runs.	Firm	Staff	Hours	Rate/hr	Cost
	LGH	Sr. Principal	8	\$213.40	\$1,707.20
	LGH	Sr. Project Coordinator	24	\$187.10	\$4,490.40
	LGH	Engineering Intern II	32	\$114.00	\$3,648.00
	LGH	CAD Technician III	40	\$89.20	\$3,568.00
	WHG	Project Mgr	16	\$175.00	\$2,800.00
	WHG	Coastal Engr/Modeler IV	0	\$135.00	\$0.00
	Total Anticipated Cost for Task 3.1:				\$16,213.60
3.2 Set-up and run WHAFIS program for the selected transects.	LGH	Sr. Principal	16	\$213.40	\$3,414.40
	LGH	Sr. Project Coordinator	80	\$187.10	\$14,968.00
	LGH	Engineering Intern II	200	\$114.00	\$22,800.00
	LGH	CAD Technician III	80	\$89.20	\$7,136.00
	WHG	Project Mgr	24	\$175.00	\$4,200.00
	WHG	Coastal Engr/Modeler IV	0	\$135.00	\$0.00
	Total Anticipated Cost for Task 3.2:				\$52,518.40
	3.3 Determine new Base Flood Elevations (BFEs) and Special Flood Hazard Areas (SFHAs) for the west bank of the parish.	LGH	Sr. Principal	8	\$213.40
LGH		Sr. Project Coordinator	40	\$187.10	\$7,484.00
LGH		Engineering Intern II	80	\$114.00	\$9,120.00
LGH		CAD Technician III	200	\$89.20	\$17,840.00
WHG		Project Mgr	16	\$175.00	\$2,800.00
WHG		Coastal Engr/Modeler IV	0	\$135.00	\$0.00
Total Anticipated Cost for Task 3.3:				\$38,951.20	
Total Anticipated Cost for Task 3:		\$107,683.20			

Task 4. Reporting						
Prepare final report describing results of modeling and re-mapping work containing the new BFE and Special Flood Hazard Areas maps, and compare the results with the preliminary DFIRMS.	LGH	Sr. Principal	20	\$213.40	\$4,268.00	
	LGH	Sr. Project Coordinator	120	\$187.10	\$22,452.00	
	LGH	Engineering Intern II	120	\$114.00	\$13,680.00	
	LGH	CAD Technician III	40	\$89.20	\$3,568.00	
	LGH	Administrative/Clerical II	80	\$175.00	\$14,000.00	
	WHG	Project Mgr	80	\$135.00	\$10,800.00	
	WHG	Coastal Engr/Modeler IV	120	\$135.00	\$16,200.00	
Total Anticipated Cost for Task 4:				\$84,968.00		

Woods Hole Group/Ransom		Modeler		Project Manager		
task 2.1	2.1.1 obtain storm set	4	2	\$790.00	\$790.00	
	2.1.2 validate stats	32	8	\$4,920.00	\$4,920.00	
	2.1.3 eval uncertainty	8	4	\$1,580.00	\$1,580.00	
	2.1.4 future climate set	2	1	\$395.00	\$395.00	
	2.1.5 obtain hindcast met	2	4	\$920.00	\$920.00	
task 2.1 total		48	19	\$8,605.00	\$8,605.00	\$78,605.00
task2.2	2.2.1 obtain review topobathy	16	8	\$3,160.00	\$3,160.00	
	2.2.2 identify topobathy gaps	12	4	\$2,020.00	\$2,020.00	
	2.2.3 draw topo polylines	20	4	\$2,900.00	\$2,900.00	
	2.2.4 draw bathy polylines	20	4	\$2,900.00	\$2,900.00	
	2.2.5 prep DEMs	40	16	\$7,200.00	\$7,200.00	
	2.2.6 control structures	16	8	\$3,160.00	\$3,160.00	
	2.2.7 modify 4 future	40	20	\$7,900.00	\$7,900.00	
task 2.2 total		164	64	\$29,240.00	\$29,240.00	\$29,240.00
task 2.3	2.3.1 obtain veg data	16	8	\$3,160.00	\$3,160.00	
	2.3.2 identify veg gaps	12	4	\$2,020.00	\$2,020.00	
	2.3.3 prep grids	32	8	\$4,920.00	\$4,920.00	
	2.3.4 mod 4 future	24	12	\$4,740.00	\$4,740.00	
task 2.3 total		84	32	\$14,840.00	\$14,840.00	\$14,840.00
task 2.4	2.4.1 develop Coarse Grid	40	20	\$7,900.00	\$7,900.00	
	2.4.2 develop Fine Grid	140	60	\$25,900.00	\$25,900.00	
	2.4.3 modify 4 future	60	20	\$10,100.00	\$10,100.00	
task 2.4 total		240	100	\$43,900.00	\$43,900.00	\$43,900.00
task 2.5	2.5.1 Obtain/review WL obs.	12	2	\$1,670.00	\$1,670.00	
	2.5.2 obtain/review wave obs.	12	2	\$1,670.00	\$1,670.00	
	2.5.3 Coarse sensitivity/stability	20	10	\$3,950.00	\$3,950.00	
	2.5.4 Validate Coarse	20	4	\$2,900.00	\$2,900.00	
	2.5.5 Fine sensitivity/stability	100	40	\$18,000.00	\$18,000.00	
	2.5.6 calibrate Fine	100	40	\$18,000.00	\$18,000.00	
	2.5.7 verify Fine	24	8	\$4,040.00	\$4,040.00	
	2.5.8 Fine parametric error	24	8	\$4,040.00	\$4,040.00	
task 2.5 total		312	114	\$54,270.00	\$54,270.00	\$65,902.50
task 2.6	2.6.1.1 Coarse initial screen	4	12	\$2,540.00	\$2,540.00	
	2.6.1.2 sims	24	16	\$5,440.00	\$5,440.00	
	2.6.1.3 check	20	8	\$3,600.00	\$3,600.00	
	2.6.1.4 Coarse CDF	4	4	\$1,140.00	\$1,140.00	
	2.6.1.5-6 select & verify	24	16	\$5,440.00	\$5,440.00	
	2.6.2.1 50 sims	40	20	\$7,900.00	\$7,900.00	
	2.6.2.2 rsm	20	80	\$16,200.00	\$16,200.00	
	2.6.2.3 1st eval	32	16	\$6,320.00	\$6,320.00	
	2.6.2.4 50 more sims re-eval	50	80	\$19,500.00	\$19,500.00	
	2.6.2.5 full response	8	16	\$3,680.00	\$3,680.00	
	2.6.2.6 Fine CDF	24	16	\$5,440.00	\$5,440.00	
	2.6.3 Future	120	60	\$23,700.00	\$23,700.00	
task 2.6 total		370	344	\$100,900.00	\$100,900.00	\$154,900.00

