

July 15, 2020

Miles Bingham, PE  
Director of Public Works / Wastewater  
St. Charles Parish  
100 River Oaks Drive  
Destrehan, LA. 70047

**RE: Canal A Improvements  
All South Design Cost Proposal (rev)**

Mr. Bingham,

Per your request, All South Consulting Engineers, llc (All South) is pleased to provide this design proposal for Canal A and Plantation Road box culvert improvements. As discussed at the pre-design scope meeting and subsequent site visit which both were held on June 30<sup>th</sup>, this project will include approximately 850' of steel sheetpile canal section along Canal A and a box culvert crossing at Plantation Road. A more detailed scope of work provided by St. Charles Parish Public Works is outlined in Attachment 1.

Based on the above referenced scopes of work, All South has developed an estimated construction cost of \$4,163,390. The construction cost estimate for referenced scope of work is included as Attachment 2.

All South proposes a not to exceed design fee of \$326,452.12 for the basic services design at the rates in All South's 2020 rate schedule. This proposed basic service fee is a not to exceed design fee for the attached scope of work and corresponds to the State of Louisiana Facility Planning and Control (FP&C) design fee curve. All South's 2020 labor rate sheet and the FP&C design fee curve are included as Attachments 3 and 4.

Additionally, All South is proposing a not to exceed fee for permitting of \$15,000 and Resident Inspection fee of \$156,000. The resident inspection budget is based on a 12-month construction duration.

It is our understanding that St. Charles Parish will be providing Surveying and Geotechnical Investigation for this project, so these services are not included within this proposal. However, All South is proposing

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652 Papworth Avenue  
Metairie, LA 70005  
Tel 504-322-2783

**Belle Chasse**

305A Main Street  
Belle Chasse, LA 70037  
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**Houma**

302 School Street  
Houma, LA 70360  
Tel 985-537-8893

**Raceland**

3744 Highway 1  
Raceland, LA 70394  
Tel 985-537-8893

**Baton Rouge**

8000 GSRI Avenue  
Baton Rouge, LA 70820  
Tel 225-532-1406

# All South Consulting Engineers, L.L.C.

a coordination / review fee of these services provided by others. We propose a not to exceed fee of \$7,500.00 in regards to Geotechnical and Survey coordination.

In Summary, All South proposes the below NTE fee amounts per task:

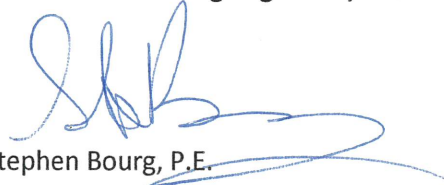
## Canal A Improvements - Proposed Design Fees

Task	Design Fee
Basic Services Design	\$ 326,452.12
Permitting	\$ 15,000.00
Survey / Geotechnical Coordination	\$ 7,500.00
Resident Inspection	\$ 156,000.00

If any additional information is required, please contact my office.

Thank you,

**All South Consulting Engineers, LLC**



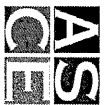
Stephen Bourg, P.E.  
Senior Vice President

## Attachments:

1. Scope of Work
2. Construction Cost Estimate
3. All South 2020 Rate schedule
4. FP&C design fee curve

## Canal A Improvements

- The project will provide a concrete box structure under Plantation Road at the nursing home; will widen Canal A by installing sheet pile along both sides of Canal A.
- The project will start 100 feet southwest of Plantation Road in the Ormond Oaks Ditch and will run under Plantation Road into Canal A and then will proceed approximately 850 feet south along Canal A.
- Access to the Ormond Nursing Home must be maintained at all time, which means the Box Structure will need to be built in two phases.
- The Box Structure under Plantation Road will be double barreled with two 6' x 10' cells. The box culvert will need to be designed to provide a sweeping turn in order to better connect the Ormond Oaks Ditch to Canal A. The Box Structure will also need to provide for a connection to the Plantation Ditch which comes from the north.
- The sheet pile wall will be constructed on both sides of Canal A and will tie into the Box Structure being constructed under Plantation Road. The width of the Canal will be 50 feet.
- All intersecting pipes will need to be accommodated in the sheet pile wall. All underground utilities will need to be identified and incorporated into the design of the sheet pile wall.
- A geotechnical report will be needed to determine the bedding for the Box Structure and the sheet pile wall depth.



**ALL SOUTH  
CONSULTING  
ENGINEERS, L.L.C.**

Attachment 2

*Box Culvert @ Plantation Rd and Canal A Improvements  
St. Charles Parish*

7/15/2020

DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL
Mobilization & Construction Layout	LS	1	\$250,000.00	\$250,000.00
Clearing and Grubbing and Culvert Demo	LS	1	\$50,000.00	\$50,000.00
Removal of Portland Cement Concrete Pavement	SY	450	\$15.00	\$6,750.00
Class II Base Course (8" Thick) ( Net Section)+ fabric and geogrid	CY	100	\$75.00	\$7,500.00
PCC Pavement (8" Thick)	SY	450	\$85.00	\$38,250.00
Reinforced Concrete Pipe (15")	LF	200	\$150.00	\$30,000.00
Catch Basin	EA	4	\$4,000.00	\$16,000.00
Concrete Curb (8" Barrier)	LF	330	\$20.00	\$6,600.00
Temporary Detour Road & Temporary Signs & Barricades	LS	1	\$25,000.00	\$25,000.00
Cofferdam	LS	1	\$150,000.00	\$150,000.00
Drainage Excavation (@ box culvert)	LS	1	\$60,000.00	\$60,000.00
Cast in Place Concrete Box / Wing walls /Flume	CY	525	\$1,100.00	\$577,500.00
Bedding Material (@Box-Culvert and Flume)( Net Section)	CY	650	\$80.00	\$52,000.00
Granular Material (Backfill @ Box Culvert /Flume)	CY	1,300	\$25.00	\$32,500.00
Dam Removal & Replacement (Each Occurance)	EA	5	\$3,000.00	\$15,000.00
Initial Installation & Final Removal of Dams	LS	1	\$10,000.00	\$10,000.00
Dewatering	LS	1	\$50,000.00	\$50,000.00
6" Sanitary Sewer Force Main Offset (Ductile Iron)	LS	1	\$20,000.00	\$20,000.00
Galvanized Guard Rail	LF	150	\$200.00	\$30,000.00
WaterMain (8") (Ductile Iron)	LS	1	\$15,000.00	\$15,000.00
Steel Sheepile ( Ormand oaks & Plantation ditch)- Assume cantilever PZ-22 / PZC-13 similar to Dunleith Canal Project	SF	9,900	\$22.00	\$217,800.00
Steel Sheepile Cap ( Similar to Dunleith Canal)	LF	220	\$100.00	\$22,000.00
Steel Coatings	LS	1	\$15,000.00	\$15,000.00
Excavation (Ormand Oaks & Plantation ditch)	LS	1	\$13,750.00	\$13,750.00
Steel Sheepile (Canal A)- Assume cantilever PZ-22 / PZC-13 similar to Dunleith Canal Project per DPW	SF	76,500	\$22.00	\$1,683,000.00
Steel Sheepile Cap ( Similar to Dunleith Canal)	LF	1,700	\$100.00	\$170,000.00
Steel Coatings	LS	1	\$65,000.00	\$65,000.00
Excavation (Canal A)	LS	1	\$106,250.00	\$106,250.00
CMP outfalls	LS	1	\$50,000.00	\$50,000.00
Contingency			10%	\$378,490.00
TOTAL				\$4,163,390.00



## 2020 Rate Sheet

Principal	\$	257.00
Expert Witness	\$	325.00
Senior Engineer	\$	230.00
Grant Manager	\$	230.00
Professional Engineer Project Manager	\$	175.00
Environmental Scientist	\$	165.00
Certified Industrial Hygienists	\$	185.00
Senior Architect	\$	185.00
Architect	\$	165.00
Professional Engineer Level III	\$	160.00
Professional Engineer Level II	\$	155.00
Professional Engineer Level I	\$	135.00
Project Manager - Non Engineer	\$	120.00
Accountant (CPA)	\$	146.00
Senior Grant Specialist	\$	201.50
Grant Specialist	\$	135.00
Grant Administrator	\$	95.00
Pre - Professional Engineering Intern II	\$	115.00
Pre - Professional Engineering Intern I	\$	100.00
Construction Manager	\$	175.00
Construction Supervisor	\$	100.00
Supervisor	\$	85.00
Resident Project Representatives	\$	75.00
Debris Monitors(Truck Certification, Load and Dump Site Monitors)	\$	50.00
Debris Monitors over Water	\$	55.00
Senior Technician Level II	\$	125.00
Senior Technician Level I	\$	95.00
CADD Technician Level II	\$	95.00
CADD Technician Level I	\$	85.00
Technician	\$	70.00
Clerical/Administrative	\$	55.00
Professional Land Surveyor - Survey Principal	\$	210.00
Senior Professional Land Surveyor - Project Manager	\$	180.00
Professional Land Surveyor - Project Manager	\$	145.00
Survey Intern	\$	115.00
Survey Party Chief	\$	75.00
Survey Technician	\$	60.00
Survey Crew - 1 Man (includes equipment)	\$	125.00
Survey Crew - 2 Man (includes equipment)	\$	210.00
Survey Crew - 3 Man (includes equipment)	\$	265.00
Hydrographic Survey Crew 2 Man - includes boat (day rate)	\$	2,850.00
Hydrographic Survey Crew 3 Man - includes boat (day rate)	\$	4,250.00
Automated Hydro System - Z- boat (day rate)	\$	600.00
Digital Side Scan Sonar (day rate)	\$	600.00
Remote Control Survey Drone (day rate)	\$	300.00
Proton Magnetometer		request quote
26 ' Work Boat with Captain (day rate)	\$	1,000.00
14' Boat (day rate)	\$	300.00
Air Boat with captain		request quote
ATV (day rate)	\$	80.00
Polaris (side by side)	\$	125.00

All Rates are regular time. Overtime is billed at a rate of 1.25 times the regular rate and billed for every hour over 40 in any week

Fuel for Boats and material testing reimbursed at direct costs

Mileage is billed at the IRS approved rate currently \$0.55/mile

Day rates are for 8 hour days

Survey equipment does not include boat usage when boat is required

**State of Louisiana  
Facility Planning & Control**

**BCI & CPI**

FOR  
**2020**

BCI		CPI
1306	1975	53.8
6136	2019	255.7

**SCHEDULE OF REPRESENTATIVE FEES**

FOR  
**2020**

AFC	Fee as a Percentage of AFC	Fee
\$ 4,163,390.00	7.8410%	\$ 326,452.12