

**INTRODUCED BY COUNCIL MEMBER ZUCKERMAN AND SECONDED FOR  
ADOPTION BY COUNCIL MEMBER \_\_\_\_\_**

**RESOLUTION NO. 24-01**

**A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF MANDEVILLE  
AUTHORIZING THE MAYOR OF THE CITY OF MANDEVILLE TO EXECUTE  
A PROFESSIONAL SERVICES AGREEMENT BETWEEN THE CITY OF  
MANDEVILLE AND BURK-KLEINPETER, INC AND PROVIDING FOR OTHER  
MATTERS IN CONNECTION THEREWITH**

**WHEREAS**, the City desires to enter into a professional services agreement with Burk-Kleinpeter, Inc. for professional engineering services, and more specifically, preliminary design, final design, bid and award, construction administration closeout, inspection and permitting for the first phase of the Sewall Repair Project.

**WHEREAS**, the contract is attached and made a part of this Resolution; and

**NOW, THEREFORE, BE IT RESOLVED** that the City Council of the City of Mandeville, hereby authorizes and empowers the Mayor of the City to execute a professional services agreement with Burk-Kleinpeter, Inc. for professional engineering services, and more specifically, preliminary design, final design, bid and award, construction administration closeout, inspection and permitting for the first phase of the Sewall Repair Project on behalf of the City of Mandeville.

With the above resolution having been properly introduced and duly seconded, the vote was as follows:

AYES:

NAYS:

ABSTENTIONS:

ABSENT:

and the resolution was declared adopted this \_\_\_\_\_ day of \_\_\_\_\_, 2024.

\_\_\_\_\_  
Kristine Scherer  
Clerk of Council

\_\_\_\_\_  
Jason Zuckerman  
Council Chairman



CHAIRMAN OF THE BOARD  
J. W. "BILL" GIARDINA, JR., PE

PRESIDENT & CEO  
MICHAEL D. CHOPIN, PE

CORPORATE SECRETARY  
BRUCE L. BADON, AICP

**BURK-KLEINPETER, INC.**  
ENGINEERING · PLANNING · ENVIRONMENTAL

SENIOR VICE PRESIDENTS  
RENE A. CHOPIN, III, PE  
HENRY M. PICARD, III, PE, PLS

2895 HIGHWAY 190  
MANDEVILLE, LA 70471  
TELEPHONE (985) 727-6769  
[WWW.BKIUSA.COM](http://WWW.BKIUSA.COM)

VICE PRESIDENT  
DAVID E. BOYD, PE

OVER 100 YEARS OF SERVICE

January 13, 2024

Mr. Kieth LeGrange  
City of Mandeville, LA  
Department of Public Works  
1100 Mandeville High Blvd.  
Mandeville, LA 70471-

Re: Old Mandeville Seawall Repair  
Segment 1 Fee Proposal Sta. 41+50 to 82+85  
BKI No. NO.24.XXX

Dear Kieth:

Transmitted herewith is the fee proposal for the rehabilitation and future protection of the first segment of the Old Mandeville Seawall Repair which includes the eastern half of the seawall. The project consist of removing and replacing the concrete bulkhead cap, removing and replacing the concrete splash blocks, repairing steel joint connections, repairing damaged steel sheetpile wall locations, and installation of an Impressed Current Cathodic Protection system from Station 41+50 (between Coffee and Carroll Streets) and Station 82+85 (east of Little Bayou Castine). The estimated construction cost for the bulkhead, splash blocks, joint repairs sheetpile repair is \$1,571,000.00 and estimated construction cost for the impressed current cathodic protections system is \$600,000.00 with a total construction cost of \$2,171,000.00 for Segment 1.

The design team for this project consists of Burk-Kleinpeter, Inc (steel and concrete), Southern Cathodic Protection Company (cathodic protection), and Creative Engineering Group (electrical). The following is a breakdown of fees for the City of Mandeville's contract phases:

Phase I.	Survey (Not Used)	\$0.00
Phase II.	Preliminary Design	\$78,348.00
Phase III.	Environmental Study (Not Used)	\$0.00
Phase IV(a).	Final Design	\$73,934.50
Phase IV(b).	Bid & Award	\$12,757.63
Phase V(a).	Construction Administration	\$39,144.75





OVER 100 YEARS OF SERVICE

Phase V(b).	Construction Closeout	\$18,176.63
Phase V(c)	Inspection, Reporting, and Verification (if requested)	\$134,940.00
Phase VI(a)	Permitting	\$22,668.50
	Direct Costs	\$591.60
Total		\$380,561.61

Design, Bidding {Phase I through IV(b)}, Construction Administration {Phase V(a)}, and Construction Closeout {Phase V(b)} will be Lump Sum phases and Inspection {Phase V(c)} and Permitting {Phase VI(a)} will be Hourly Not To Exceed phases.

The design fees for the bulkhead, splash blocks, joint repairs sheetpile repair are in line with the Facility Planning & Control fee curve. The design fees for the cathodic protection and the supporting electrical are higher than the Facility Planning & Control fee curve since they are for a specialty design type and it includes travel, lodging, and per diem for two trips (kick-off and substantial completion) from Atlanta, GA.

If you should have any questions or comments, please call us.

Sincerely,

BURK - KLEINPETER, INC.  
ENGINEERS, PLANNERS, ENVIRONMENTAL

Henry M. Picard, III P.E., P.L.S.  
Senior Vice President



CITY OF MANDEVILLE, LA  
 WORK ORDER NO. TBD  
 Old Mandeville Seawall Repair

Burk-Kleinpeter, Inc.  
 Old Mandeville Seawall Repair - Segment 1  
 Fee Proposal

MANHOOR ESTIMATES

SCOPE ITEM	DESCRIPTION	SHEETS	0001 PRINC.	0002 SEN. VICE PRES.	0003 SEN. PROJ. MGR.	0004 SEN. STRC. E.	0005 CIVIL E.	0006 CIVIL INT.	0007 ENV. E.	0008 MECH. E	0009 PLANNER	00010 SR CADD TECH.	00011 CADD TECH.	00012 CLERICAL	00013 RES INSP	TOTAL
(Phase)			\$321.00	\$288.00	\$223.25	\$175.00	\$151.25	\$115.00	\$168.00	\$142.00	\$118.00	\$132.00	\$98.00	\$70.00	\$86.50	
I	<b>Survey (Not Used)</b>		0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
	TOTAL HOURS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	COST		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
II	<b>Preliminary Design</b>															
II.a	Coordination with Client (Monthly Meetings)		0	1	2	0	4	0	0	0	0	0	0	4	0	1,619.50
II.b	Coordination with Subs		0	0.5	1	0	8	0	0	0	0	0	0	0	0	1,577.25
II.c	Coordination with Utilities		0	0.5	1	0	3	6	0	0	0	0	0	0	0	1,511.00
II.d	Pre-Design Meeting		0	2	0	0	2	0	0	0	0	0	0	1	0	948.50
II.f	Public Meeting (1 Meeting)		0	2	2	0	4	2	0	0	0	0	0	0	0	1,857.50
II.f	Plan-In-Hand Meeting		0	2	0	0	2	0	0	0	0	0	0	0	0	878.50
II.g	Title, Vicinity Map and Index to Drawings	1	0	0.25	0.5	0	1	2	0	0	0	2	0	0	0	828.88
II.h	General Notes	1	0	0.25	0.5	0	2	4	0	0	0	4	0	0	0	1,474.13
II.i	Plan and Profile (1"=30')	5	0	1.5	3	0	20	40	0	0	0	40	0	0	0	14,006.75
II.j	Geometric Details	3	0	0.75	1.5	0	6	12	0	0	0	12	0	0	0	4,422.38
II.k	Concrete Cap Details	1	0	0.25	0.5	0	2	4	0	0	0	4	0	0	0	1,474.13
II.l	Structural Steel Joint Repair Details	1	0	0.5	1	0	2	4	0	0	0	4	0	0	0	1,657.75
II.m	Structural Steel Misc. Repairs	2	0	0.5	1	0	4	8	0	0	0	8	0	0	0	2,948.25
II.n	Splash Block Details	1	0	0.25	0.5	0	2	4	0	0	0	4	0	0	0	1,474.13
II.o	Cost Estimate		0	0.75	1.5	0	5	10	0	0	0	5	0	0	0	3,117.13
II.p	Specifications (Table of Contents)		0	0	0.25	0	1	2	0	0	0	0	0	1	0	507.06
II.q	Design Report (Design Criteria, Assumptions)		0	0.5	0.75	0	3	6	0	0	0	0	0	0	0	1,455.19
	TOTAL HOURS	15	0	13.5	17	0	71	104	0	0	0	83	0	6	0	294.5
	COST		\$0.00	\$3,888.00	\$3,795.25	\$0.00	\$10,738.75	\$11,960.00	\$0.00	\$0.00	\$0.00	\$10,956.00	\$0.00	\$420.00	\$0.00	\$41,758.00
															Southern Cathodic Protection:	\$26,100.00
															Creative Engineering Group:	\$10,490.00
																\$78,348.00
III	<b>Environmental Study (Not Used)</b>		0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
	TOTAL HOURS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	COST		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

CITY OF MANDEVILLE, LA  
 WORK ORDER NO. TBD  
 Old Mandeville Seawall Repair

Burk-Kleinpeter, Inc.  
 Old Mandeville Seawall Repair - Segment 1  
 Fee Proposal

MANHOOR ESTIMATES

SCOPE ITEM	DESCRIPTION	SHEETS	0001 PRINC.	0002 SEN. VICE PRES.	0003 SEN. PROJ. MGR.	0004 SEN. STRC. E.	0005 CIVIL E.	0006 CIVIL INT.	0007 ENV. E.	0008 MECH. E.	0009 PLANNER	00010 SR CADD TECH.	00011 CADD TECH.	00012 CLERICAL	00013 RES INSP	TOTAL
(Phase)			\$321.00	\$288.00	\$223.25	\$175.00	\$151.25	\$115.00	\$168.00	\$142.00	\$118.00	\$132.00	\$98.00	\$70.00	\$86.50	
IV(a)	<b>Final Design</b>															
IV.a	Coordination with Client (Monthly Meetings)		0	0.5	1	0	2	0	0	0	0	0	0	1	0	739.75
IV.b	Coordination with Subs		0	0.25	0.5	0	4	0	0	0	0	0	0	0	0	788.63
IV.c	Coordination with Utilities		0	0.25	0.5	0	1	3	0	0	0	0	0	0	0	679.88
IV.d	Public Meeting (1 Meeting)		0	2	2	0	4	2	0	0	0	0	0	0	0	1,857.50
IV.e	Title, Vicinity Map and Index to Drawings	1	0	0.25	0.5	0	1	0	0	0	0	1	0	0	0	466.88
IV.f	General Notes	1	0	0.25	0.5	0	1	0	0	0	0	1	0	0	0	466.88
IV.g	Plan and Profile (1"=30')	5	0	2.5	5	0	15	30	0	0	0	30	0	0	0	11,515.00
IV.h	Geometric Details	3	0	0.75	1.5	0	6	12	0	0	0	12	0	0	0	4,422.38
IV.i	Concrete Cap Details	1	0	0.5	1	0	4	8	0	0	0	8	0	0	0	2,948.25
IV.j	Structural Steel Joint Repair Details	1	0	1	2	0	8	16	0	0	0	8	0	0	0	4,840.50
IV.k	Structural Steel Misc. Repairs	2	0	1	2	0	8	16	0	0	0	16	0	0	0	5,896.50
IV.l	Splash Block Details	1	0	0.5	1	0	2	4	0	0	0	4	0	0	0	1,657.75
IV.m	Cost Estimate		0	0.75	1.5	0	5	10	0	0	0	5	0	0	0	3,117.13
IV.n	Specifications		0	2	4	0	12	24	0	0	0	0	0	8	0	6,604.00
IV.o	Design Report		0	0.5	1	0	5	10	0	0	0	5	0	0	0	2,933.50
	TOTAL HOURS	15	0	13	24	0	78	135	0	0	0	90	0	9	0	349
	COST		\$0.00	\$3,744.00	\$5,358.00	\$0.00	\$11,797.50	\$15,525.00	\$0.00	\$0.00	\$0.00	\$11,880.00	\$0.00	\$630.00	\$0.00	\$48,934.50
															Southern Cathodic Protection:	\$7,200.00
															Creative Engineering Group:	\$17,800.00
																\$73,934.50
IV(b)	<b>Bid &amp; Award</b>															
IV.p	Pre-Bid Meeting		0	2	0	0	2	0	0	0	0	0	0	0	0	878.50
IV.q	Addenda, Questions, and Answer Responses		0	2	4	0	8	16	0	0	0	0	0	0	0	4,519.00
IV.r	Bid Opening		0	0.5	1	0	4	8	0	0	0	4	0	0	0	2,420.25
IV.s	Award Letter Recommendation Letter		0	0.25	0.5	0	1	2	0	0	0	0	0	0	0	564.88
	TOTAL HOURS	0	0	4.75	5.5	0	15	26	0	0	0	4	0	0	0	55.25
	COST		\$0.00	\$1,368.00	\$1,227.88	\$0.00	\$2,268.75	\$2,990.00	\$0.00	\$0.00	\$0.00	\$528.00	\$0.00	\$0.00	\$0.00	\$8,382.63
															Southern Cathodic Protection:	\$2,560.00
															Creative Engineering Group:	\$1,815.00
																\$12,757.63

CITY OF MANDEVILLE, LA  
 WORK ORDER NO. TBD  
 Old Mandeville Seawall Repair

Burk-Kleinpeter, Inc.  
 Old Mandeville Seawall Repair - Segment 1  
 Fee Proposal

MANHOOR ESTIMATES

SCOPE ITEM	DESCRIPTION	SHEETS	0001 PRINC.	0002 SEN. VICE PRES.	0003 SEN. PROJ. MGR.	0004 SEN. STRC. E.	0005 CIVIL E.	0006 CIVIL INT.	0007 ENV. E.	0008 MECH. E.	0009 PLANNER	00010 SR CADD TECH.	00011 CADD TECH.	00012 CLERICAL	00013 RES INSP	TOTAL
(Phase)			\$321.00	\$288.00	\$223.25	\$175.00	\$151.25	\$115.00	\$168.00	\$142.00	\$118.00	\$132.00	\$98.00	\$70.00	\$86.50	
V(a)	<b>Construction Administration</b>															
V.a	Construction Administration/RFI		0	0.5	1.5	0	6	12	0	0	0	0	0	0	0	2,766.38
V.b	Pay Applications (11)		0	3	0	0	16.5	0	0	0	0	0	0	0	0	3,359.63
V.c	Plan Modifications (1)		0	0.25	0.5	0	2	4	0	0	0	4	0	0	0	1,474.13
V.d	Submittals (10)		0	1	2	0	5	10	0	0	0	0	0	0	0	2,640.75
V.e	Site Visits (1 hr per week avg - 39 weeks)		0	4	8	0	19.5	39	0	0	0	0	0	0	0	10,372.38
V.f	Construction Documentation		0	1.5	3	0	10	20	0	0	0	0	0	0	0	4,914.25
V.g	Project Closeout		0	0.5	1	0	4	8	0	0	0	0	0	0	0	1,892.25
	TOTAL HOURS	0	0	10.75	16	0	63	93	0	0	0	4	0	0	0	186.75
	COST		\$0.00	\$3,096.00	\$3,572.00	\$0.00	\$9,528.75	\$10,695.00	\$0.00	\$0.00	\$0.00	\$528.00	\$0.00	\$0.00	\$0.00	\$27,419.75
															Southernn Cathodic Protection:	\$3,200.00
															Creative Engineering Group:	\$8,525.00
																\$39,144.75
V(b)	<b>Construction Closeout</b>															
V.h	Coordination Meetings with Contractor		0	0.5	1	0	4	0	0	0	0	0	0	0	0	972.25
V.i	Prepare As-Built Drawings		0	1.25	2.5	0	5	15	0	0	0	30	0	0	0	7,359.38
	TOTAL HOURS	0	0	1.75	3.5	0	9	15	0	0	0	30	0	0	0	59.25
	COST		\$0.00	\$504.00	\$781.38	\$0.00	\$1,361.25	\$1,725.00	\$0.00	\$0.00	\$0.00	\$3,960.00	\$0.00	\$0.00	\$0.00	\$8,331.63
															Southernn Cathodic Protection:	\$8,705.00
															Creative Engineering Group:	\$1,140.00
																\$18,176.63
V(c)	<b>Inspection, Reporting, And Verification (if requested)</b>															
V.j	Resident Inspection (9 Months)		0	0	0	0	0	0	0	0	0	0	0	0	1560	134,940.00
	TOTAL HOURS	0	0	0	0	0	0	0	0	0	0	0	0	0	1560	1560
	COST		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$134,940.00	\$134,940.00
															Southernn Cathodic Protection:	\$0.00
															Creative Engineering Group:	\$0.00
																\$134,940.00

CITY OF MANDEVILLE, LA  
 WORK ORDER NO. TBD  
 Old Mandeville Seawall Repair

Burk-Kleinpeter, Inc.  
 Old Mandeville Seawall Repair - Segment 1  
 Fee Proposal

**MANHOOR ESTIMATES**

SCOPE ITEM	DESCRIPTION	SHEETS	0001 PRINC.	0002 SEN. VICE PRES.	0003 SEN. PROJ. MGR.	0004 SEN. STRC. E.	0005 CIVIL E.	0006 CIVIL INT.	0007 ENV. E.	0008 MECH. E.	0009 PLANNER	00010 SR CADD TECH.	00011 CADD TECH.	00012 CLERICAL	00013 RES INSP	TOTAL
(Phase)			\$321.00	\$288.00	\$223.25	\$175.00	\$151.25	\$115.00	\$168.00	\$142.00	\$118.00	\$132.00	\$98.00	\$70.00	\$86.50	
VI(a)	<b>Permitting</b>															
VI.a	Pre-Application Meeting with DNR/USACE		0	2	0	0	2	0	0	0	0	0	0	0	0	878.50
VI.b	Permit Application Preparation		0	0.5	0	0	2	4	0	0	0	0	0	0	0	906.50
VI.c	Preparation of 8.5"x11" Plates		0	1	0	0	2	10	0	0	0	30	0	0	0	5,700.50
VI.d	Coord. with DNR/USACE before app. acceptance		0	0	0	0	4	8	0	0	0	4	0	0	0	2,053.00
VI.e	Coord. with DNR/USACE after app. acceptance		0	1	0	0	24	36	0	0	0	16	0	0	0	10,170.00
	TOTAL HOURS	0	0	4.5	0	0	34	58	0	0	0	50	0	0	0	146.5
	COST		\$0.00	\$1,296.00	\$0.00	\$0.00	\$5,142.50	\$6,670.00	\$0.00	\$0.00	\$0.00	\$6,600.00	\$0.00	\$0.00	\$0.00	\$19,708.50
															Southern Cathodic Protection:	\$2,960.00
															Creative Engineering Group:	\$0.00
																<u>\$22,668.50</u>
															<b>TOTAL Fee Proposal</b>	<b><u>\$379,970.00</u></b>

**OTHER DIRECT COSTS**

SCOPE ITEM	DESCRIPTION	INSPECTION VESSEL (PER DAY)	FUEL (PER GAL.)	VESSEL TRAILERING (PER MI)	BLUELINES (PER SF)	8 1/2 X 11 COPIES (EACH)	11 x 17 COPIES (EACH)	TOTAL
		\$650.00	\$4.00	\$3.50	\$0.20	\$0.10	\$0.20	
	Plan-In-Hand Sets						88	\$17.60
	Design Report (Preliminary)					80		\$8.00
	Public Meeting (Preliminary)				72			\$14.40
	Design Report (Final)					160		\$16.00
	Public Meeting (Final)				96			\$19.20
	Bid Sets (Advertisement)				1,200	2,500		\$490.00
	Plan Modifications (Construction Administration)				12			\$2.40
	As-Builts (Closeout)				120			\$24.00
	TOTAL UNITS	0	0	0	1500	2740	88	
	TOTAL OTHER DIRECT COSTS	\$0.00	\$0.00	\$0.00	\$300.00	\$274.00	\$17.60	\$591.60







































CREATIVE ENGINEERING GROUP, LLC.

December 11, 2023

**Mr. Henry Picard**  
**Burk-Kleinpeter, Inc**  
2400 Veterans Memorial Blvd  
Suite 310  
Kenner, LA 70062

**Subject: Mandeville Seawall Repairs**  
**Creative Engineering Group, LLC Fee Proposal**

Dear Henry:

Creative Engineering Group, LLC has reviewed the available information for the referenced project, and is pleased to submit the following proposal for professional electrical engineering services. The project includes short-term and long-term repairs of the Mandeville seawall as defined in the Seawall Repair (Inspection Project) Final Findings/Assessment Report. Long-term seawall repairs include the addition of an induced current cathodic protection system. This proposal is for the electrical design to support the cathodic protection system for Phase 1 (Station 41+42 to 82+85).

The electrical scope of work is as follows:

1. Coordination with CLECO for new electrical service(s) to cathodic protection system.
2. Power distribution design and circuitry for cathodic protection system components.
3. Site visit to verify existing conditions and to properly locate service equipment.
4. Coordination with cathodic protection system designers to gather and show all power connections, and conduit and junction box locations.
5. Conduit routing plans as necessary.
6. Surge protection on electrical service.

The following items are excluded from this proposal,

1. Exterior lighting.
2. Design of cathodic protection system.
3. Emergency generator, portable generator connection box, or ATS.

Creative Engineering Group, LLC will coordinate its work with the cathodic protection Documents, as well as any other available documents for the project. Burk-Kleinpeter (BKI) will review and

December 11, 2023

Mr. Henry Picard

Page 2 of 3

incorporate our documents with any other documents being developed by others. BKI shall provide the following to Creative Engineering Group, LLC:

- a. Site Backgrounds and Title Block for project in AutoCAD format.
- b. Site survey showing existing utilities.

Creative Engineering Group, LLC will deliver Electrical Construction Documents for this project, including drawings and specifications. BKI shall be responsible for reproduction of all Construction Documents, and for any submittals to regulatory agencies.

Creative Engineering Group, LLC proposes a fixed fee as follows,

Construction Documents:	\$28,290
Bidding:	\$ 1,815
Construction Administration:	\$ 9,665
Total:	\$39,770

Invoices for services shall be monthly, based upon work completed. Payment is expected within 30 days of receipt of invoice. A formal agreement for the services of Creative Engineering Group, LLC shall be executed prior to receiving the authorization to proceed. Construction Administration includes shop drawing review, response to contractor questions, ten (10) site visits during construction, and As-Built drawings.

Any items, which are in addition to this proposal, including scope changes and significant changes made by the Owner shall be considered Additional Services, and are to be approved in writing by BKI and the Owner. Additional Services will be billed on a time and expense basis, with the following hourly rates:

Principal	\$225.00
Senior Engineer	\$175.00
CAD/draftsman	\$ 95.00
Clerical	\$ 65.00

We hope you find the above to be acceptable and we look forward to working with you on this project. Please do not hesitate to contact me, should you wish to discuss this proposal. If the proposal outlined above meets with your approval, please indicate by signing below and forwarding a copy for our files.

December 11, 2023  
Mr. Henry Picard  
Page 3 of 3

Sincerely,

A handwritten signature in blue ink, appearing to read 'RH Nolan II', with a stylized flourish at the end.

Raymond H. Nolan II, P.E.  
Principal  
Creative Engineering Group, LLC

ACCEPTED: BKI

BY: \_\_\_\_\_

DATE: \_\_\_\_\_

## FEE PROPOSAL

Mandeville Seawall  
Electrical Man-hour Estimate

### ESTIMATE OF MANHOURS

*Electrical Man-hour Estimate*

Task	Description	Sheets	Pricipal	Elect Eng.	Engr Intrn	CAD	Clerical	Item Cost	Task Cost
	RATES		\$225	\$175	\$115	\$95	\$65		
II	PRELIMINARY DESIGN								
II.a	Schedules and Abreviations, General Notes	1	0	1	0	2	0	\$ 365.00	
II.b	Electrical Site Plan	4	0	15	5	20	0	\$ 5,100.00	
II.c	Typical Details	1	0	0	1	1	0	\$ 210.00	
II.d	Typical Grounding Details	1	0	0	1	1	0	\$ 210.00	
II.e	One-Line Diagrams	1	0	4	0	3	0	\$ 985.00	
II.f	Cable & Conduit Schedule	1	0	0	0	0	0	\$ -	
II.g	Panel Schedules	1	0	0	0	0	0	\$ -	
II.h	Electical Calculations		0	4	2	0	0	\$ 930.00	
II.i	Utility Coordination		0	4	0	0	0	\$ 700.00	
II.j	Coordination with Cathodic Protection		0	4	0	0	0	\$ 700.00	
II.k	Cost Estimate		0	4	0	0	0	\$ 700.00	
II.l	Specifications		0	3	0	0	1	\$ 590.00	
			0	39	9	27	1		<b>\$ 10,490.00</b>
	FINAL DESIGN								
IV.a	Schedules and Abreviations, General Notes	1	0	2	0	1	0	\$ 445.00	
IV.b	Electrical Site Plan	4	0	10	4	12	0	\$ 3,350.00	



# FEE PROPOSAL

Mandeville Seawall  
 Electrical Man-hour Estimate

## ESTIMATE OF MANHOURS

*Electrical Man-hour Estimate*

Task	Description	Sheets	Pricipal	Elect Eng.	Engr Intrn	CAD	Clerical	Item Cost	Task Cost
	RATES		\$225	\$175	\$115	\$95	\$65		
IV.c	Typical Details	1	0	6	2	6	0	\$ 1,850.00	
IV.d	Typical Grounding Details	1	0	2	2	3	0	\$ 865.00	
IV.e	One-Line Diagrams	1	0	6	2	6	0	\$ 1,850.00	
IV.f	Cable & Conduit Schedule	1	0	8	2	8	0	\$ 2,390.00	
IV.g	Panel Schedules	1	0	6	2	6	0	\$ 1,850.00	
IV.h	Electical Calculations		0	6	0	0	0	\$ 1,050.00	
IV.i	Utility Coordination		0	4	0	0	0	\$ 700.00	
IV.j	Coordination with Cathodic Protection		0	6	0	0	0	\$ 1,050.00	
IV.k	Cost Estimate		0	7	3	0	0	\$ 1,570.00	
IV.l	Specifications		0	4	0	0	2	\$ 830.00	
			0	67	17	42	2		<b>\$ 17,800.00</b>

# FEE PROPOSAL

Mandeville Seawall  
 Electrical Man-hour Estimate

## ESTIMATE OF MANHOURS

*Electrical Man-hour Estimate*

Task	Description	Sheets	Pricipal	Elect Eng.	Engr Intrn	CAD	Clerical	Item Cost	Task Cost
	RATES		\$225	\$175	\$115	\$95	\$65		
	BID & AWARD								
IV.m	Pre-Bid Meeting		0	2	0	0	0	\$ 350.00	
IV.n	Addenda, Questions, and Answers Responses		0	8	0	0	1	\$ 1,465.00	
			0	10	0	0	1		<b>\$ 1,815.00</b>
	CONSTRUCTION ADMINISTRATION								
V.a	Construction Administration RFI		0	8	0	0	0	\$ 1,400.00	
V.b	Review Pay Applications		0	4	0	0	0	\$ 700.00	
V.c	Submittal Review		0	6	0	0	0	\$ 1,050.00	
V.d	Plan Modifications		0	6	0	8	0	\$ 1,810.00	
V.e	Periodic Site Visits		0	18	0	0	0	\$ 3,150.00	
V.f	Project Closeout		0	2	0	0	1	\$ 415.00	<b>\$ 8,525.00</b>
V.g	As-Builts		0	0	0	12	0	\$ 1,140.00	<b>\$ 1,140.00</b>
			0	44	0	20	1		<b>\$ 39,770.00</b>

December 12, 2023

Rebecca J. Chopin  
Burk-Kleinpeter, Inc.  
Civil Engineer | Project Manager  
2400 Veterans Memorial Blvd., Suite 310  
Kenner, LA 70062  
(O) (504) 486-5901

**RE: MANDEVILLE SEAWALL REPAIR  
PHASE 1 (41+42 to 82+85) – 4,143 LF OF SHEET PILE  
LAKE PONTCHARTRAIN, MANDEVILLE, LOUISIANA**

Dear Ms. Chopin,

Southern Cathodic Protection Company (SCPC) is pleased to provide our proposal for cathodic protection design services, technical specification development, and bidding and construction administration assistance. The subject structure is located on Lake Pontchartrain in Mandeville, Louisiana.

SCPC was established in 1979 to provide professional corrosion engineering services. Our headquarters is located in Atlanta, Georgia, with a second location in Cocoa, Florida. SCPC employs registered professional engineers (PE) who are certified through the Association for Materials Protection and Performance (AMPP<sup>1</sup>). Each corrosion problem is unique, challenging the engineer to find a solution that is both effective and economical. SCPC engineers bring to the table an expertise based on tried and proven methods.

Our engineers have the skills to provide optimum solutions for complex problems, complete with thorough and accurate engineering reports. We have extensive experience solving corrosion problems on various types of structures. Our clientele includes oil and gas companies, utilities, water companies, government agencies, pipeline companies, storage facilities, and airports. SCPC has an established reputation in the corrosion control and cathodic protection industry as honest, qualified, reliable professionals.

**Scope of Work:**

SCPC will provide a cathodic protection design package which includes a site visit, design calculations, analysis, technical specifications, design drawings, bill of materials, construction cost estimates, bid document development assistance, and construction administration assistance (project cost estimates) for approximately 4,143 linear feet of seawall sheet pile (Phase 1). It is our understanding that our design package is limited to Phase 1 of the seawall only. Design package will be submitted at 60% complete, 90% complete, and 100% (final) complete.

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<sup>1</sup> Formerly known as the National Association of Corrosion Engineers and more recently NACE International

**Price:**

SCPC proposes not-to-exceed limit pricing by phase for this project. All work will be conducted under the supervision of an AMPP certified corrosion specialist who is also a registered professional engineer. For your convenience a cost breakdown of scope elements is provided below.

<u>Phase I – Survey</u>	<b>Not Used</b>
<u>Phase II – Preliminary Design (includes site visit)</u>	<b>\$26,100.00</b>
<u>Phase III – Environmental Study</u>	<b>Not Used</b>
<u>Phase IV(a) – Final Design</u>	<b>\$7,200.00</b>
<u>Phase IV(b) – Bid &amp; Award (site visits not included)</u>	<b>\$2,560.00</b>
<u>Phase V(a) – Construction Administration (site visits not included)</u>	<b>\$3,200.00</b>
<u>Phase V(b) – Construction Closeout</u>	<b>\$8,705.00</b>
<u>Phase V(c) – Inspection, Reporting, &amp; Verification (if requested)</u>	
On-site Inspection	<b>1,650.00/Day</b>
Flight	<b>Cost +15%</b>
Reporting	<b>\$160.00/Hour</b>
<u>Phase VI(a) – Permitting</u>	<b>\$2,960.00</b>

Tasks required other than those mentioned below can be completed in accordance with the SCPC 2023 Engineering Rate Schedule.

**Qualifiers:**

- 1) Pricing assumes no more than two (2) site visits will be required. These site visits include project kickoff/design data collection and final inspection and commissioning of cathodic protection system. Should additional site visits be required, additional charges will apply.
- 2) Pricing does not include one (1) year warranty testing.
- 3) Pricing is based upon submission of design package for review at 60% complete, 90% complete, and 100% (final) complete. Should additional submittals be required, additional charges may apply.
- 4) Pricing is based upon complete unhindered access to the site. Should delays occur, beyond our control, they will be billed in accordance with our 2023 engineering rate schedule.
- 5) Pricing includes two (2) days on-site for project kickoff meeting/design data collection.
- 6) Pricing includes one (1) day on-site for final system inspection/commissioning.
- 7) Pricing is based upon AC power supply design and engineering provided by others.

- 8) Scope is limited to cathodic protection only. Structural repair design and electrical design, for example, are excluded from our pricing.
- 9) Services for geotechnical exploration, land survey, and subsurface utility locates, if required, are excluded from our pricing.
- 10) Schedule of work is to be mutually agreed upon.
- 11) Progress billing will be submitted; payment is net 30 days upon percentage completion; Pricing is firm for 30 days.

We trust you will find our proposal complete and satisfactory and look forward to working with you on this project. If you have any questions, or require additional information, please feel free to contact us.

Sincerely,

Kevin Murphy  
Business Development Manager  
AMPP CP2 #70065  
Cell:404-904-6142