

**2021-0185**

**INTRODUCED BY: MATTHEW JEWELL, PARISH PRESIDENT  
(DEPARTMENT OF PUBLIC WORKS)**

**ORDINANCE NO.** 21-7-4

An ordinance to approve and authorize the execution of Amendment No. 1 to Ordinance No. 20-7-10 which approved a contract for Engineering Services between Linfield, Hunter & Junius, Inc. and St. Charles Parish for Phase 2 for the 2020 Luling Oxidation Pond Sewer Master Plan, Project No. S200602.

**WHEREAS,** on July 6, 2020 the St. Charles Parish Council approved Ordinance No. 20-7-10; a Contract for professional services multi-phase project agreement with Linfield, Hunter & Junius, Inc. for providing all necessary professional engineering services for the 2020 Luling Oxidation Pond Sewer Master Plan, Project No. S200602; and,

**WHEREAS,** the Contract for Engineering Services needs to be amended to add fees associated with Phase 2 in an amount \$91,425.00.

**THE ST. CHARLES PARISH COUNCIL HEREBY ORDAINS:**

**SECTION I.** That Amendment No. 1 attached to and made a part hereof, to the professional services Contract with Linfield, Hunter & Junius, Inc. for providing necessary services for Phase 2 for the 2020 Luling Oxidation Pond Sewer Master Plan, Project No. S200602 is hereby approved and accepted.

**SECTION II.** That the Parish President is hereby authorized to execute said Amendment No. 1 to the Engineering Services Agreement on behalf of the Parish of St. Charles.

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

YEAS: BILLINGS, DARENSBOURG GORDON, CLULEE, GIBBS, DUFRENE,  
BELLOCK, FISHER  
NAYS: NONE  
ABSENT: FONSECA, FISHER-PERRIER

And the ordinance was declared adopted this 26<sup>th</sup> day of July, 2021, to become effective five (5) days after publication in the Official Journal.

CHAIRMAN: Marilyn Bellock  
SECRETARY: Michelle Dupont  
DLVD/PARISH PRESIDENT: July 27, 2021  
APPROVED: \_\_\_\_\_ DISAPPROVED: \_\_\_\_\_

PARISH PRESIDENT: Matthew Jewell  
RETD/SECRETARY: July 28, 2021  
AT: 8:20am RECD BY: [Signature]

**AMENDMENT NO. 1  
TO  
SINGLE PROJECT CONTRACT FOR  
ENGINEERING SERVICES**

THIS AMENDMENT NO. 1 hereafter sometimes referred to as "AGREEMENT", made and entered into on this 6<sup>TH</sup> day of AUGUST, 2021;

BY AND BETWEEN:

**ST. CHARLES PARISH**, represented herein by its duly authorized Parish President, Matthew Jewell, (hereafter sometimes referred to as "OWNER"), and

**LINFIELD, HUNTER & JUNIUS, INC.**, represented herein by Robert Nockton duly authorized by Corporate Resolution attached hereto (hereafter sometimes referred to as "ENGINEER"):

WHEREAS, the St. Charles Parish did enter into a Single Project Contract for Engineering Services with Linfield, Hunter & Junius, Inc., for the 2020 Luling Oxidation Pond Sewer Master Plan, Project No. S200602.

WHEREAS, the OWNER is now desirous of having ENGINEER provide additional Engineering Services for the project as further described as follows:

**SCOPE OF WORK:**

The required work is for Phase 2 with a detailed estimate described in the attached proposal from Linfield, Hunter & Junius, Inc., dated June 16, 2021.

NOW THEREFORE, be it understood and agreed by the parties hereto that the Single Project Contract for Engineering Services be amended as stated above and in accordance with the attached Proposal to St. Charles Parish dated June 16, 2021 for additional Engineering Services.

Additional Engineering Services fees to ENGINEER shall be \$91,425.00 as a result of this amendment.

THUS DONE AND SIGNED in the presence of the undersigned competent witnesses, on this 6<sup>TH</sup> day of AUGUST, 2021.

Witnesses:

Debra C Champagne

Billy Raymond

Darla A. Morales

Janet Tabor

ST. CHARLES PARISH

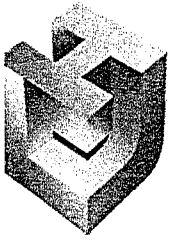
By: Matthew Jewell  
Matthew Jewell  
Parish President

Date: 7/27/21

LINFIELD, HUNTER & JUNIUS, INC.

By: Robert Nockton  
Robert Nockton

Date: 8/6/2021



**LINFIELD, HUNTER & JUNIUS, INC.**

PROFESSIONAL ENGINEERS,  
ARCHITECTS AND SURVEYORS

3608 18<sup>th</sup> Street / Suite 200  
Metairie, Louisiana 70002  
(504) 833-5300 / (504) 833-5350 fax  
LHJ@LHJunius.com

Ralph W. Junius, Jr., P.E.  
Nathan J. Junius, P.E., P.L.S.  
Sergio J. Giran, P.E.  
Anthony F. Goodgion, P.E.  
Benjamin N. Chadwick, AIA  
Charles T. Knight, P.E.  
Robert E. Nockton, P.E.  
Mark K. Annino

Casey M. Genovese, P.E.  
Wesley R. Eustris, P.E., P.L.S.  
Daniel F. Bobeck, P.E.  
Jonathan C. Catanzano, P.E.  
Daniel A. Flores, P.E.  
Timothy J. Roth, P.E.  
Luis F. Sosa, P.E.  
Richard A. Van Wootten, P.E.

June 16, 2021

Mr. David deGeneres  
Assistant Director of Wastewater  
St. Charles Parish  
Department of Public Works and Wastewater  
100 River Oaks Drive  
Destrehan, LA 70047

**RE: West Bank Sewer Master Plan –  
Luling Oxidation Pond System  
Phase II – Infiltration and Inflow (I&I) Analysis  
Our File #: 20-101(c)**

Dear Mr. deGeneres:

Thank you for asking us to provide this Proposal to provide professional engineering services for Phase II of the referenced project. Phase II consists of the analysis of infiltration and inflow (I&I) in the existing sewerage system that is contributory to the Luling Oxidation Pond. A Scope of Work detailing our proposed services and Task and Manhour Breakdown for these services are attached.

We propose to provide these services for a lump sum fee of \$91,425.00 in accordance with the terms of our existing Engineering Services Agreement dated July 7, 2020.

If this proposal is acceptable, we request that an Amendment to our existing Engineering Services Agreement be prepared.

Please do not hesitate to call should you have any questions or require additional information.

Yours very truly,

LINFIELD, HUNTER & JUNIUS, INC.

Robert E. Nockton, P.E.  
Vice President  
:ren

Attachments

**St. Charles Parish**  
**Westbank Sewerage Master Plan – Luling Oxidation Pond**  
**Scope of Services – Phase II**

**PHASE II: INFILTRATION AND INFLOW (I&I) ANALYSIS**

**Scope of Work**

Work under Phase II of the project consists of the analysis of infiltration and inflow (I&I) in the existing sewerage system based upon monitoring information gathered over a defined period at select lift stations within the existing St. Charles Parish sewerage system contributory to the Luling Oxidation Pond.

This work will be accomplished in the following primary tasks.

**Task 1 – Data Collection and Review**

The purpose of Task 1 is to clearly define the objectives of monitoring and the specific monitoring information needed to perform the I&I analysis. In this task, the Engineer will:

- Attend a Phase II Kick-off meeting with the Parish
- Assemble a list of lift station data including lift station monitoring services needed from the Parish
- Assemble available historical rainfall data
- Assemble available lift station data (pump run-times, metered flow data) from the Parish and lift station data (pump run-times, metered flow data) obtained through lift station monitoring services
- Overlay available historical rainfall data over lift station data to identify correlations between lift station pump flow volumes and run times with rainfall events

**Task 2 – Infiltration and Inflow (I&I) Analysis**

The Engineer will analyze the data and overlays obtained and developed in Task 1 to gain an understanding of the sewerage system infiltration and inflow mechanics. In this task, the Engineer will:

- Estimate infiltration and inflow by area and by lift station where sufficient data is available to do so
- Review available smoke test and video inspection data to evaluate conditions of existing gravity sewer lines that were previously inspected to gain an understanding of the nature of defects in the lines that contribute to infiltration and inflow

### **Task 3 – Prioritize Areas for Smoke Testing and Video Inspection**

The Engineer will develop a program for smoke testing and video inspection of existing sanitary sewerage for the identification of defects responsible for infiltration and inflow into the existing sewerage system. In this task, the Engineer will:

- Prioritize areas for smoke testing and video inspection based upon the I&I analysis conducted in Task 2
- Develop a program for smoke testing and video inspection to further assess the condition of the existing sewerage system so that repairs and/or improvements to the existing sewerage system can be identified

### **Task 4 – Develop Preliminary System Improvements and Program to Address I&I**

The Engineer will identify and develop schematic improvements to address I&I. These schematic improvements will form the foundation of detailed evaluation in subsequent phases of the project. A preliminary maintenance program will also be developed to address I&I on an ongoing basis. In this task, the Engineer will:

- Meet with Parish personnel to identify repairs or improvements that have previously been made to the sewerage system to address I&I
- Identify schematic improvements to the sewerage system to further address I&I
- Develop a phased maintenance program to address I&I with budgets

### **Task 5 – Technical Memorandum**

The Engineer will prepare a Technical Memorandum summarizing the findings of Phase II with recommendations for smoke testing and video inspection and the scope of services for subsequent phases.

**Fee – Phase II: \$91,425.00 (Lump Sum)**

ST. CHARLES PARISH				
WEST BANK SEWER MASTER PLAN (LULING OXIDATION POND SYSTEM)				
TASK AND MANHOUR BREAKDOWN				
PHASE II - INFILTRATION AND INFLOW (I&I) ANALYSIS				
Task	Supervisor-Engineer	Senior Engineer	Pre-Professional	CAD Technician
<b>Task 1 - Data Collection and Review</b>				
Phase II Kick-Off Meeting	3.0	3.0	3.0	
Assemble List of Data and Lift Station Monitoring Needed from Parish	1.0	2.0	4.0	
Assemble Available Rainfall Data (12 Gages)	1.0	4.0	36.0	
Assemble Available Lift Station Data (12 Lift Stations)	2.0	8.0	72.0	
Overlay Rainfall Data on Lift Station Data	1.0	4.0	36.0	
<b>Task 2 - Infiltration &amp; Inflow (I&amp;I) Analysis</b>				
Estimate Infiltration and Inflow by Area and Lift Station (12 Lift Stations)	1.0	8.0	48.0	
Review Available Smoke Test and Video Inspection Data	1.0	8.0	40.0	
<b>Task 3 - Prioritize Areas For Smoke Testing and Video Inspection</b>				
Prioritize Areas for Smoke Testing and Video Inspection	2.0	4.0	16.0	
Develop Program for Smoke Testing and Video Inspection with Budgets	2.0	8.0	32.0	
<b>Task 4 - Develop Preliminary System Improvements to Address I&amp;I</b>				
Meet with Parish Personnel to Identify Previous Repairs and/or Improvements to Address I&I		8.0	8.0	
Identify Schematic Sewerage System Improvements to Address I&I	1.0	8.0	32.0	
Develop Phased Maintenance Program to Address I&I	1.0	8.0	16.0	
<b>Task 5 - Technical Memorandum</b>				
Draft Write-Up	2.0	8.0	40.0	
Draft Maps and Figures	1.0	8.0	24.0	24.0
Prepare Tables and Graphs	1.0	4.0	24.0	24.0
QA/QC	8.0	16.0		
Finalize Technical Memorandum	2.0	4.0	8.0	8.0
Total Hours	30.0	113.0	439.0	56.0
Rate	\$250.00	\$210.00	\$125.00	\$95.00
Cost	\$7,500.00	\$23,730.00	\$54,875.00	\$5,320.00
			<b>Total Fee:</b>	<b>\$91,425.00</b>

## RESOLUTION

On this the 2<sup>nd</sup> day of December, 2020, I, Ms. Sam Green, as the Secretary of Linfield, Hunter & Junius, Inc., do hereby certify that the following is a true and correct extract from the Minutes of the Board of Directors Meeting of Linfield, Hunter & Junius, Inc., held on December 2, 2020 at the office of Linfield, Hunter & Junius, Inc.

WHEREAS, during the regular course of business, it is necessary for Ralph W. Junius, Jr., as President, and Anthony F. Goodgion, Sergio J. Girau, Nathan J. Junius, Mark K. Annino, Robert E. Nockton, Benjamin N. Chadwick, Wesley R. Eustis, Casey M. Genovse, and Charles T. Knight, as Vice-Presidents, to enter into contracts and agreements on behalf of Linfield, Hunter & Junius, Inc. (the "Corporation") for professional services under terms that they deem to be prudent and appropriate;

NOW, THEREFORE, BE IT RESOLVED that Ralph W. Junius, Jr., as President, and Anthony F. Goodgion, Sergio J. Girau, Nathan J. Junius, Mark K. Annino, Robert E. Nockton, Benjamin N. Chadwick, Wesley R. Eustis, Casey M. Genovese, and Charles T. Knight, as Vice-Presidents, or any one of them, be and hereby are authorized to act on behalf of the Corporation and to enter into contracts and agreements for professional services under such terms that they deem prudent and appropriate.



SAM GREEN  
SECRETARY