

STATEMENT^{OF} QUALIFICATIONS

ROUTINE ENGINEERING SERVICES
FOR DRAINAGE PROJECTS

SOQ NO. 22-011
RESOLUTION NUMBER: 138811

MARCH 31, 2022



LINFIELD, HUNTER & JUNIUS, INC.

22M-032



LINFIELD, HUNTER & JUNIUS, INC.

PROFESSIONAL ENGINEERS,
ARCHITECTS AND SURVEYORS

3608 18th Street / Suite 200
Metairie, Louisiana 70002
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LHJ@LHJunius.com

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

Casey M. Genovese, P.E.
Daniel A. Flores, P.E.
John M. Jackson, P.E.
Timothy J. Roth, P.E.
Luis F. Sosa, P.E.
Richard A. Van Wootten, P.E.

March 31, 2022

Ms. Eula A. Lopez, Parish Clerk
Jefferson Parish Council
200 Derbigny Street, Suite 6700
Gretna, LA 70053

**RE: Statement of Qualifications
Routine Engineering Services for Drainage Projects in
Jefferson Parish for a Two-Year Period
Resolution No. 138811 – SOQ No. 22-011
Our File #: 22M-032**

Dear Ms. Lopez:

Linfield, Hunter & Junius, Inc. (LH&J) is pleased to submit its Statement of Qualifications for the Routine Engineering Services for Drainage Projects in Jefferson Parish for a Two-Year Period.

LH&J is well qualified to provide the services required for this project. Our Team is made up of over 12 professionals and a support staff of over 25 individuals which are available to meet all project requirements. Our Team meets or exceeds the qualifications and experience required for this project.

Contact Information:

Nathan J. Junius, P.E., P.L.S., President
Linfield, Hunter & Junius, Inc., 3608 18th Street, Suite 200, Metairie, LA 70002
njunius@LHJunius.com - 504-833-5300 - 504-833-5350 fax

We appreciate your business and look forward to continuing our relationship with Jefferson Parish.

Very truly yours,

LINFIELD, HUNTER & JUNIUS, INC.

Nathan J. Junius, P.E., P.L.S.
President

NJJ/ckc

Enclosures

TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

Routine Engineering Services for Drainage Projects in Jefferson Parish for a Two-Year Period
Resolution No. 138811
SOQ 22-011

B. Firm Name & Address where Project work will be performed:

LINFIELD, HUNTER & JUNIUS, INC.
3608 18th Street, Suite 200
Metairie, LA 70002



C. Name, title and contact information of Principal, as defined in Section 2-926 of the Jefferson Parish Code of Ordinances, who is a registered, licensed architect, professional engineer, or surveyor in the State of Louisiana:

Nathan J. Junius, P.E., P.L.S., President
Linfield, Hunter & Junius, Inc.
3608 18th Street, Suite 200
Metairie, LA 70002
504-833-5300 504-833-5350 fax
njunius@LHJunius.com

D. Name and contact information of employee who is a registered and licensed architect, professional engineer, or surveyor in the State of Louisiana in the applicable discipline. A subcontractor may be substituted here only if the advertised Project requires more than one discipline.

Nathan J. Junius, P.E., P.L.S., President
Linfield, Hunter & Junius, Inc.
3608 18th Street, Suite 200
Metairie, LA 70002
504-833-5300 504-833-5350 fax
njunius@LHJunius.com

E. Please provide the number of employees whose primary function corresponds with each category:

<u>5</u> Administrative	— Estimators	— Specification Writers
<u>1</u> Architects (Licensed)	— Geologists	<u>4</u> Structural Engineers
— Chemical Engineers	— Geotechnical Engineers	— Graduate Engineers
<u>6</u> Civil Engineers (Licensed)	— Interior Designers	— Project Managers
<u>5</u> Construction Inspectors	— Landscape Architects	<u>1</u> Clerical
— Ecologists	<u>5</u> Land Surveyor	— Grant/Funding Specialist
— Electrical Engineers	— Mechanical Engineers	— Sanitary Engineers
<u>4</u> Engineer Intern	— Environmental Engineers	<u>3</u> CADD Drafters
<u>2</u> Professional Land Surveyors	<u>1</u> Architect Intern	<u>37</u> TOTAL

F. Is this submittal by a JOINT-VENTURE? Please check: YES ☐ NO ☒

If marked "No" skip to Section I. If marked "yes" complete Sections G-H.

TEC Professional Services Questionnaire

G. If submittal is by JOINT-VENTURE, list the firms participating and outline specific areas of responsibility (including administrative, technical, and financial) for each firm. Please attach additional pages if necessary.

1. N/A

2.

H. Has this JOINT-VENTURE previously worked together? Please check:

YES ☐ NO ☐ N/A

I. List all subcontractors anticipated for this Project. Please note that all subcontractors must submit a fully completed copy of this questionnaire, applicable licenses, and any other information required by the advertisement. See Jefferson Parish Code of Ordinances, Sec. 2-928(a)(3). Please attach additional pages if necessary.

Name & Address:	Specialty:	Worked with Firm Before (Yes or No):
1.N/A		
2.		
3.		

J. Please specify the total number of support personnel that may assist in the completion of this Project:

12

Staffing Plan – A Diagram showing all key personnel that would be available for assignment. The Staffing Plan should also include the same information for sub-consultants (if applicable).

LINFIELD, HUNTER & JUNIUS, INC.
STAFFING PLAN



**Routine Engineering Services
for Drainage Projects in
Jefferson Parish**

**SOQ No. 22-011
Resolution No. 138811**

Prime Consultant



LINFIELD, HUNTER & JUNIUS, INC.
PROFESSIONAL ENGINEERS, ARCHITECTS AND SURVEYORS

Management Team

Nathan J. Junius, P.E., P.L.S.
Principal in Charge / Lead Land Surveyor

Robert E. Nockton, P.E.
Project Manager

Design Team

Civil Engineering

Luis F. Sosa, P.E.
Lead Civil Engineer

John M. Jackson, P.E.

Mark K. Annino, BSCE

Vincent J. Leco, E.I.

Cecily K. Criscoe, E.I.

Land Surveying

Nathan J. Junius, P.E., P.L.S.
Team Leader

William J. Muller, P.L.S.
Senior Land Surveyor / Lead Surveyor

Daniel D. Bindewald
Survey Party Chief

Paul H. Morales
Survey Party Chief

Christopher G. Klimm, E.I.
Survey Party Chief

Cooper G. Ashworth, E.I.
Survey Party Chief

Roadway/Traffic Engineering

Nathan J. Junius, PTOE

Elmer N. Darwin, PTOE

Casey M. Genovese, P.E.
Senior Roadway/Traffic Engineer

TEC Professional Services Questionnaire

K. List the professional in charge, key persons, specialists, and individual consultants anticipated for this Project and provide their relevant information below. If necessary, please attach additional documentation (i.e. resume) that demonstrates the employment history and experience of the Firm's key persons that may assist in the completion of this Project. Please attach additional pages if necessary.

PROFESSIONAL IN CHARGE OF PROJECT:

Name & Title:

Nathan J. Junius, P.E., P.L.S., PTOE, President

Project Assignment:

Principal In Charge / Land Surveying Team Leader

Name of Firm with which associated:



LINFIELD, HUNTER & JUNIUS, INC.

Years' experience with this Firm:

20 Years

Education: Degree(s)/Year Specialization:

Tulane University / 2001 / B.S. / Civil Engineering
University of Texas / 2002 / M.S. / Civil Engineering

Active registration: Year first registered/discipline:

2002 / Civil / LA License No. PE.0031843 - 2005 / Land Surveying / LA License No. PLS.0004958

Other experience and qualifications relevant to the proposed Project:

Junius has over 20 years of project management, engineering design, surveying and construction management experience, with specialized expertise in the planning, permitting, design and construction management for a diverse range of public and private sector projects. Civil projects include **major drainage canals, drainage pump stations**, site developments, miles of streets, wastewater treatment plants, sewage collections systems, sewer force mains and waterline distribution projects. He has also **served as an expert in disputes involving drainage and land surveying**.

Junius has conducted numerous boundary, topographic, resubdivision surveys, route surveys, ALTA surveys, hydrographic surveys, utility surveys throughout Louisiana, Mississippi and Texas.

ENGINEERING PROJECTS

HOEY'S CANAL BYPASS, JEFFERSON PARISH, LA

Junius is the Principal in Charge for this project. The Hoey's Canal Bypass is divided into three phases. Phase 1 entailed the construction of approximately 800 feet of new pile-supported **concrete-lined canal with concrete side slopes** from the Monticello Canal to Cold Storage Road. Phase 2 entailed the construction of approximately 450 feet of pile-supported **concrete-lined canal** including a 200-foot long 31-foot wide by 10-foot high pile-supported **covered concrete box culvert**. Phase 3 will consist of the construction of pile-supported concrete-lined canal that connects Phases 1 and 2.

TEC Professional Services Questionnaire

Nathan J. Junius, P.E., P.L.S., PTOE, President
Principal in Charge – Land Surveying Team Leader

Resume

HOEY'S CANAL IMPROVEMENTS (PHASE II AND III), JEFFERSON PARISH, LA

Junius is **Principal in Charge** for this project. This project is divided into three phases. Phase 1 entailed the construction of approximately 800 feet of sheet pile lined **concrete flume with concrete side slopes** from Betz Avenue to Deckbar Avenue. Phase 2 entailed the construction of approximately 1,800 feet of sheet pile lined pile-supported **concrete flume with concrete side slopes** from Deckbar Avenue to Labarre Road. Phase 2 also included an **in-line pile-supported culvert beneath** a railroad spur. Phase 3 will consist of the construction of approximately 1,500 feet of sheet pile lined **concrete flume with concrete side slopes** from Labarre Road to Causeway Boulevard.

GEISENHEIMER COVERED CANAL RECONSTRUCTION, METAIRIE, LA

Junius is **Principal in Charge** for this project. The Geisenheimer Covered Canal is the primary drainage canal for the portion of Jefferson Parish located between Metairie Road to the north, Airline Drive to the south, the Orleans/Jefferson Parish boundary to the east and Causeway Boulevard to the west. This area includes the Metairie Country Club and Metairie Club Gardens subdivision. The project entailed the construction of 3,800 feet of **covered concrete box culvert**. Junius was an engineer on this project.

17TH STREET CANAL WIDENING BETWEEN HOEY'S CANAL AND AIRLINE DRIVE, JEFFERSON PARISH / NEW ORLEANS, LA

Junius was **Principal in Charge** for this project. This project entails the **widening and concrete lining** of approximately 700 feet of the 17th Street Canal between the Hoey's Canal and Airline Drive, including the construction of new **pile-supported concrete canal bottom and pile-supported concrete retaining side walls**.

LAND SURVEYING

Junius currently provides surveying in many areas including hydrographic surveying, GPS surveying, single beam technology, multibeam technology and scanning including numerous topographic and boundary surveys. Survey data that LH&J provides has been imported into ArcGis in the following survey data converter formats: ASCII, TDS Coordinate and TDS Raw. The survey work has been in the State Plane Coordinate System based on NAD27. Junius is proficient with Leica Dual Frequency RTK Rovers, Leica DNA03 Digital Auto Level, Leica GPS Base Station, G-882 Magnetometer Leica Total Robotic Total Station, Leica Geo Office, Carlson Survey/Civil Software, Autocad 2016 and Civil 3D.

Junius has conducted numerous boundary, topographic, resubdivision surveys, route surveys, ALTA surveys, hydrographic surveys, utility surveys throughout Louisiana, Mississippi and Texas. One of Junius' largest surveying projects included the hydrographic and topographic surveying for the **Inner Harbor Navigation Canal (IHNC) Lake Borgne Surge Barrier** which included over a mile and half of hydrographic surveying through the marsh including topographic surveying for two gates.

RELEVANT EXPERIENCE:

CANAL STREET IMPROVEMENTS, JEFFERSON PARISH, LA

Land Surveying Team Leader for this Jefferson Parish road and drainage project. Topographic surveying for the reconstruction of a divided roadway, culverting an **open channel drainage canal**, and building a Linear Park from Lake Avenue to the I-10 Frontage Road including a bike trailhead.

HOEY'S CANAL BYPASS, JEFFERSON PARISH, LA

Land Surveying Team Leader for this drainage project. Topographic and boundary surveying for the construction of a new concrete-lined open canal including a 200-foot long 31-foot wide by 10-foot high pile-supported **covered concrete box culvert**.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Robert E. Nockton, P.E., Civil Engineer

Project Assignment:

Project Manager

Name of Firm with which associated:



LINFIELD, HUNTER & JUNIUS, INC.

Years' experience with this Firm:

27 Years

Education: Degree(s)/Year Specialization:

Rice University / B.S. / 1995 / Civil Engineering

Active registration: Year first registered/discipline:

2000 / Civil / LA License No. PE.0028802

Other experience and qualifications relevant to the proposed Project:

Nockton has been involved in the engineering of a wide variety of projects including **drainage studies, drainage pump stations, improvements to major drainage structures**, urban streets projects, water and sewerage studies, new waterlines and sewer lines, waterline and sewer line replacement and upgrades, wastewater pump station design and rehabilitation, storm water modeling, storm water management systems with green infrastructure, utility relocations, and surveying and site design. Nockton has been Project Manager and/or Lead Civil Engineer on many successful projects in the past twenty years.

GEISENHEIMER COVERED CANAL RECONSTRUCTION, METAIRIE, LA

Nockton was Lead Civil Engineer for this project. The Geisenheimer Covered Canal is the primary drainage canal for the portion of Jefferson Parish located between Metairie Road to the north, Airline Drive to the south, the Orleans/Jefferson Parish boundary to the east and Causeway Boulevard to the west. This area includes the Metairie Country Club and Metairie Club Gardens subdivision. The project entailed the construction of 3,800 feet of **covered concrete box culvert**.

DRAINAGE IMPROVEMENTS TO CUDDIHY DRIVE AND WOODVINE AVENUE, METAIRIE, LA

Nockton performed as Lead Civil Engineer for this project. This project consisted of the upgrading of the **subsurface drainage** and roadway reconstruction along Cuddihy Drive and Woodvine Avenue to alleviate persistent street flooding.

TEC Professional Services Questionnaire

Robert E. Nockton, P.E., Civil Engineer
Project Assignment – Project Manager

Resume

HOEY'S CANAL IMPROVEMENTS (PHASE II AND III), JEFFERSON PARISH, LA

Nockton was **Project Manager** and Lead Civil Engineer for this project. This project is divided into three phases. Phase 1 entailed the construction of approximately 800 feet of sheet pile lined **concrete flume with concrete side slopes** from Betz Avenue to Deckbar Avenue. Phase 2 entailed the construction of approximately 1,800 feet of sheet pile lined pile-supported **concrete flume with concrete side slopes** from Deckbar Avenue to Labarre Road. Phase 2 also included an **in-line pile-supported culvert** beneath a railroad spur. Phase 3 will consist of the construction of approximately 1,500 feet of sheet pile lined **concrete flume with concrete side slopes** from Labarre Road to Causeway Boulevard.

HOEY'S CANAL BYPASS, JEFFERSON PARISH, LA

Nockton was **Project Manager** and Lead Civil Engineer for this project. The Hoey's Canal Bypass is divided into three phases. Phase 1 entailed the construction of approximately 800 feet of new pile-supported **concrete-lined canal with concrete side slopes** from the Monticello Canal to Cold Storage Road. Phase 2 entailed the construction of approximately 450 feet of pile-supported **concrete-lined canal** including a 200-foot long 31-foot wide by 10-foot high pile-supported **covered concrete box culvert**. Phase 3 will consist of the construction of pile-supported concrete-lined canal that connects Phases 1 and 2.

17TH STREET CANAL WIDENING BETWEEN HOEY'S CANAL AND AIRLINE DRIVE, JEFFERSON PARISH / NEW ORLEANS, LA

Nockton is the **Project Manager** for this project. This project entails the **widening and concrete lining** of approximately 700 feet of the 17th Street Canal between the Hoey's Canal and Airline Drive, including the construction of new pile-supported **concrete canal bottom and pile-supported concrete retaining side walls**.

AUDUBON PARK DRAINAGE SYSTEM STUDY, NEW ORLEANS, LA

Nockton was the **Project Manager** for this project. Exposition Boulevard, a concrete-paved pedestrian walkway along the eastern edge of Audubon Park, regularly floods during heavy rainfall events, rendering it unusable and generating ongoing complaints from adjacent residents. This study identified and prioritized numerous **alternative improvements to alleviate flooding**.

DILLARD UNIVERSITY IMPROVEMENTS, NEW ORLEANS, LA

Nockton was Lead Civil Engineer for this project. LH&J was engaged by Dillard University to design multiple infrastructure projects including improvement of the campus-wide **drainage facilities**, roadways, parks, pervious pavements, bioswales, parking lots, tennis courts, etc.

REPLACE SIX CANAL CROSSINGS OVER GENERAL DEGAULLE DRIVE CANAL, NEW ORLEANS, LA

Nockton was Lead Civil Engineer for this project. This project required the removal of 6 existing canal crossings and replacement them with double 20 wide **concrete box culverts** and replacement of roadway crossing.

WIDENING OF CLUB DELUXE ROAD, TANGIPAHOA PARISH, LA

Nockton is **Project Manager** and Lead Civil Engineer for this project. This project entails the widening of approximately 7,600 feet of roadway and the installation of **new subsurface drainage** along both sides of the roadway.

CANAL STREET IMPROVEMENTS, METAIRIE, LA

Nockton was **Project Manager** for the first phase of this project. This project includes the installation of a **new double barrel box culvert** in an open canal and enclosure of the canal, along with **new subsurface drainage** to tie the existing drainage into the new box culvert.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Luis F. Sosa, P.E., Civil Engineer

Project Assignment:

Lead Civil Engineer

Name of Firm with which associated:



LINFIELD, HUNTER & JUNIUS, INC.

Years' experience with this Firm:

43 Years

Education: Degree(s)/Year Specialization:

Louisiana State University New Orleans / B.A. / 1973 / Biological Sciences

University of New Orleans / B.S. / 1978 / Civil Engineering

Tulane University / M.S. / 1982 / Civil Engineering

Active registration: Year first registered/discipline:

1984 / Civil / LA License No. PE.0020850

1993 / Environmental / LA License No. PE.0020850

Other experience and qualifications relevant to the proposed Project:

Sosa is a seasoned engineer with experience primarily in the areas of **major drainage improvements**, water treatment and distribution, wastewater collection system evaluation, repair, and upgrades, wastewater treatment, and land development.

Sosa has considerable experience performing hydraulic analysis of open channels including culverts and of pressure pipe, including waterlines and sewage force mains.

CANAL STREET IMPROVEMENTS, METAIRIE, LA

Sosa was the Senior Civil Engineer for the first phase of this project. This project includes the installation of a **new double barrel box culvert** in an open canal and enclosure of the canal, along with **new subsurface drainage** to tie the existing drainage into the new box culvert.

17TH STREET CANAL WIDENING BETWEEN HOEY'S CANAL AND AIRLINE DRIVE, JEFFERSON PARISH / NEW ORLEANS, LA

Sosa was the Senior Civil Engineer for this project. This project entails the **widening and concrete lining** of approximately 700 feet of the 17th Street Canal between the Hoey's Canal and Airline Drive, including the construction of new **pile-supported concrete canal bottom and pile-supported concrete retaining side walls**.

TEC Professional Services Questionnaire

Luis F. Sosa P.E., Civil Engineer
Project Assignment – Lead Civil Engineer

Resume

IMPROVEMENTS TO THE 17TH STREET CANAL, JEFFERSON PARISH / NEW ORLEANS, LA

Sosa was the **Lead Civil Engineer** for the design of improvements to the 17th Street Canal from Pumping Station No. 6 to the Hoey's Canal. The project consisted of the widening and concrete lining of 3,700 feet of **drainage canal**, including pile-supported retaining wall, pile-supported concrete slab, utility and roadway relocation and four bridge approaches.

GEISENHEIMER COVERED CANAL RECONSTRUCTION, METAIRIE, LA

Sosa performed as Senior Civil Engineer for this project. The Geisenheimer Covered Canal is the primary drainage canal for the portion of Jefferson Parish located between Metairie Road to the north, Airline Drive to the south, the Orleans/Jefferson Parish boundary to the east and Causeway Blvd. to the west. This area includes the Metairie Country Club and Metairie Club Gardens subdivision. The project entailed the construction of 3,800 feet of **covered concrete box culvert**.

REPLACE SIX CANAL CROSSINGS OVER GENERAL DEGAULLE DRIVE CANAL, NEW ORLEANS, LA

Sosa performed as Senior Civil Engineer for this project. This project required the removal of 6 existing canal crossings and replacement them with double 20 wide **concrete box culverts** and replacement of roadway crossing.

CLAIBORNE AVENUE BOX CANAL I - MONTICELLO CANAL TO LEONIDAS STREET, NEW ORLEANS, LA

Sosa performed as Senior Civil Engineer for this project. This project entailed the construction of a 20 foot wide by 10 foot deep **Drainage Culvert** and reconstruction of the Claiborne Ave damaged roadway under the SELA program for the Corps of Engineers (COE).

HOLLYGROVE DRAINAGE IMPROVEMENTS, NEW ORLEANS, LA

Sosa performed as **Senior Civil Engineer** for this project. LH&J designed all drainage improvements including the Forshey Street-Railroad Embankment **Drainage Culvert** Improvements, the Dublin Street and Eagle Street **Drainage Culvert** Improvements, the Oleander Street **Culvert** modifications, and the Pritchard Street Pumping Station.

SEVENTEENTH STREET CANAL DRAINAGE BASIN STUDY, NEW ORLEANS, LA

Sosa was the Lead Civil Engineer for this project that included computer modeling of a **10,400 acre drainage basin, two major drainage pumping stations** and **outfall canals**. The study formed the basis of the design of improvements to the 17th Street Canal from Pumping Station No. 6 to the Hoey's Canal. This study was performed as a joint effort between the Sewerage and Water Board of New Orleans and Jefferson Parish.

DAVIS PLANTATION PARK SUBDIVISION PHASE III, ST. CHARLES PARISH, LA

Sosa was the **Lead Civil Engineer** for this 53 acre subdivision with 113 residential lots, including **roadway drainage design** and the design of a **drainage pump station**.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Elmer N. Darwin, P.E., Traffic Engineer

Project Assignment:

Lead Traffic Engineer

Name of Firm with which associated:



LINFIELD, HUNTER & JUNIUS, INC.

Years' experience with this Firm:

10 Years

Education: Degree(s)/Year Specialization:

University of New Orleans / BS / 1970 / Civil Engineering
Northwestern University / 1975 / Principals of Geometric Design

Active registration: Year first registered/discipline:

1975 / Civil / LA License No. PE.0020404

Other experience and qualifications relevant to the proposed Project:

Mr. Darwin works as a consultant to Linfield, Hunter & Junius, Inc. on projects that require Traffic Engineering.

Darwin has designed numerous traffic signals for LH&J including the signalization at Dickory-Sauve intersection.

Darwin's experience has been as a Traffic Engineer since 1974. His work with the City of New Orleans, Department of Streets (Public Works) from 1974-2008 includes the following:

- Supervision of all traffic signal control activities, including the preparation of investigative studies relative to the installation or modification of signal equipment or systems; the design of signal layouts and preparation of bid documents for the implementation or modification of signal equipment; the development and maintenance of timing parameters for and the general operation of all signalized intersections within the jurisdiction, including the 206-intersection computerized traffic signal control system which existed at that time; the preparation and distribution of legal documents relative to lawsuits and claims involving signal controls as well as personal appearances to give expert testimony at legal proceedings; and all signal maintenance activities, including the administration of the Traffic Signal Maintenance Shop, which has 24-hour emergency and non-emergency responsibility of approximately 400 signalized intersections citywide.

- Administration of the Traffic Engineering Division of the Department of Public Works, which is responsible for the management of capital projects, the performance of investigative studies, the preparation and approval of bid documents, the administration of support contracts, and the coordination of field and legal activities involving the conception, design, implementation, construction, modification, operation, and maintenance of all traffic control signs, signals, and roadway markings in the City of New Orleans. Its functions further include the review of impact studies involving new development and the review and approval of all roadway closures and traffic control plans associated with construction projects, special events, and emergency situations. It is also responsible for the issuance of six exclusive types of permits and the collection of related revenues.

At present Darwin is a Traffic Engineering Consultant and provides the following services:

- Provide Traffic Engineering technical support in the development or revision of traffic signal systems as it relates to equipment type and placement, display configuration, timing and sequencing parameters, and general design considerations; perform research of prospective development sites and perform comprehensive and detailed analyses of prevailing area traffic circulation patterns and projected trip ends in order to ascertain and evaluate the ultimate impact of the proposed land use; develop single and multi-phased traffic control plans for the safe and efficient operation of vehicular movements which are necessarily altered and/or impacted by construction projects, special events, or emergency situations.



TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

John M. Jackson, P.E.

Project Assignment:

Civil Engineering

Name of Firm with which associated:



LINFIELD, HUNTER & JUNIUS, INC.

Years' experience with this Firm:

7 Years

Education: Degree(s)/Year Specialization:

University of New Orleans / 2018 / BS / Civil Engineering

Bob Jones University / 2011 / B.S. / Biology

Active registration: Year first registered/discipline:

2021 / Civil / LA License No. PE.0045804

Other experience and qualifications relevant to the proposed Project:

Jackson specializes in the design of civil projects such as **improvements to major drainage structures, drainage studies**, storm water management systems, green infrastructure, surveying, urban streets, highways, site developments, and utility expansions and relocations.

Jackson has varied experience in design for public clients including parish and local governments; and private clients, including commercial, institutional and industrial. His design experience includes a range of civil engineering and surveying disciplines for site investigation, feasibility study, conceptual layouts, value engineering, detailed designs, preparation of plans and specifications, and cost estimates. Jackson has successfully designed projects for **Jefferson Parish**, Plaquemines Parish, and City of New Orleans Department of Public Works.

Jackson is a licensed Remote Pilot to fly drones for aerial surveys.

GEISENHEIMER COVERED CANAL RECONSTRUCTION, METAIRIE, LA

Jackson was Civil Engineer for this project. The Geisenheimer Covered Canal is the primary drainage canal for the portion of Jefferson Parish located between Metairie Road to the north, Airline Drive to the south, the Orleans/Jefferson Parish boundary to the east and Causeway Boulevard to the west. This area includes the Metairie Country Club and Metairie Club Gardens subdivision. The project entailed the construction of 3,800 feet of **covered concrete box culvert**.

TEC Professional Services Questionnaire

John M. Jackson, P.E., Civil Engineer
Project Assignment –Civil Engineering

Resume

HOEY'S CANAL IMPROVEMENTS (PHASE III), JEFFERSON PARISH, LA

Jackson was Civil Engineer for this project. This project is divided into three phases. Phase 1 entailed the construction of approximately 800 feet of sheet pile lined **concrete flume with concrete side slopes** from Betz Avenue to Deckbar Avenue. Phase 2 entailed the construction of approximately 1,800 feet of sheet pile lined pile-supported **concrete flume with concrete side slopes** from Deckbar Avenue to Labarre Road. Phase 2 also included an in-line pile-supported culvert beneath a railroad spur. Phase 3 will consist of the construction of approximately 1,500 feet of sheet pile lined **concrete flume with concrete side slopes** from Labarre Road to Causeway Boulevard.

RIVERTOWN/SOUTH KENNER DRAINAGE IMPROVEMENT, KENNER, LA

Jackson was Civil Engineer for this project. This project included upgrading of **catch basins and drain pipes** along Williams Blvd, installation of approximately 2,600 linear feet of a 36-inch diameter **trunk line** to carry water from Williams Blvd. beneath the railroad embankment and directly to the Duncan Canal. To accommodate the increased flows and to enhance the performance of the new trunk line and work along Williams Blvd, the project included approximately 1,100 feet of **widening of the Duncan Canal**.

ZATARAIN'S BRANDS SHIPPING FACILITY, GRETNA, LA

Jackson was lead Civil Engineer for this project. This 12-acre facility would hold rain water for days after a storm event, causing damage to the truck loading area and inhibiting truck movement. The project included an investigation of the site and the surrounding areas, a **stormwater management plan** for the City of Gretna and the Zatarain's facility, and the design of a **new drainage system**, improved **stormwater storage** measures, and new paving.

DISTRICT 4 COVERED CANAL FEASIBILITY STUDY, JEFFERSON PARISH, LA

Jackson was Civil Engineer for this project. The purpose of this project was to study the impact of replacing existing open canals in District 4 of Jefferson Parish with **covered concrete box culverts**, allowing for land development on top of the existing canals. The project included the modeling of 79,400 feet of canals and the impact of replacing them with box culverts.

KENNER DISCOVERY MODULAR CAMPUS, KENNER, LA

Jackson was Stormwater Management Engineer for this project. This project was a flood mitigation study including **hydraulic modeling, drainage design**, ecological considerations, **storm water detention** and **green infrastructure**

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Mark K. Annino, BSCE

Project Assignment:

Civil Engineering

Name of Firm with which associated:



LINFIELD, HUNTER & JUNIUS, INC.

Years' experience with this Firm:

27 Years

Education: Degree(s)/Year Specialization:

University of New Orleans / B.S. / 1995 / Civil Engineering

Active registration: Year first registered/discipline:

1995 / Civil / LA License No. EI.0016308

Other experience and qualifications relevant to the proposed Project:

Annino has vast experience preparing plans and specifications for numerous municipal and private projects. The scopes of these projects include **subsurface and major drainage structures**, roadways, bridges, water distribution systems, utility system replacement / relocation (sewer, water, drain, etc.), hydraulic structures and horizontal / vertical geometric layouts. Annino has also been involved in the permit application process and construction administration of most projects for which he has designed.

CANAL STREET IMPROVEMENTS, METAIRIE, LA

Annino is the Civil Engineering Design Team Leader for this project. This project includes the installation of a **new double barrel box culvert** in an open canal and enclosure of the canal, along with **new subsurface drainage** to tie the existing drainage into the new box culvert.

EAST AND WEST LIVINGSTON PLACE DRAINAGE IMPROVEMENTS, METAIRIE, LA

Annino was the Civil Engineering Design Team Leader for this project. This project consisted of the reconstruction of East and West Livingston Place including installation of **new subsurface drainage** and utility relocation.

CUDDIHY DRIVE AND WOODVINE AVENUE DRAINAGE IMPROVEMENTS, METAIRIE, LA

Annino was the Civil Engineering Design Team Leader for this project. This project consisted of the upgrading of the **subsurface drainage system** along Cuddihy Drive and a part of Woodvine Avenue and the reconstruction of the affected roadways.

Mark K. Annino, BSCE
Project Assignment – Civil Engineering

Resume

17TH STREET CANAL WIDENING BETWEEN HOEY'S CANAL AND AIRLINE DRIVE, JEFFERSON PARISH / NEW ORLEANS, LA

Annino was the Civil Engineering Design Team Leader for this project. This project entails the **widening and concrete lining** of approximately 700 feet of the 17th Street Canal between the Hoey's Canal and Airline Drive, including the construction of **new pile-supported concrete canal bottom and pile-supported concrete retaining side walls**.

DAKIN ST. IMPROVEMENTS, METAIRIE, LA

Annino performed Civil Engineering on this project. The Dakin Street Corridor project is divided into three Phases. Phase 1 entailed the construction of an underpass, railroad bridge and pump station at Dakin Street and Airline Drive. Phase 2 includes a 3,200 feet overpass and 1,250 feet of 4-lane roadway from the underpass to Jefferson Highway. Phase 3 will extend L&A Road from Dakin Street to the Earhart Expressway and includes installation of **new subsurface drainage**.

MAGAZINE STREET / PRYTANIA STREET RECONSTRUCTION, NEW ORLEANS, LA

Annino was the Civil Engineering Design Team Leader for this project. This project entailed the reconstruction of 26,500 feet of roadway including replacement of **subsurface drainage** and utility relocation.

REPLACE SIX CANAL CROSSINGS OVER GENERAL DEGAULLE DRIVE CANAL, NEW ORLEANS, LA

Annino was the Civil Engineering Design Team Leader for this project. This project required the removal of 6 existing canal crossings and replacement them with double 20 wide **concrete box culverts** and replacement of roadway crossing.

LOUISVILLE STREET / CATINA STREET RECONSTRUCTION, NEW ORLEANS, LA

Annino was the Lead Civil Engineering Designer for this project. This project entailed the reconstruction of 3,950 feet of roadway including replacement of **subsurface drainage** and utility relocation.

CLAIBORNE AVENUE BOX CANAL I-MONTICELLO CANAL TO LEONIDAS STREET, NEW ORLEANS, LA

Annino performed as Lead Civil Engineering Designer on this project. This project entailed the construction of a 20 foot wide by 10 foot deep **Drainage Culvert** and reconstruction of the Claiborne Ave damaged roadway under the SELA program for the Corps of Engineers (COE). Also included replacement of local street **subsurface drainage**.

HOLLYGROVE DRAINAGE IMPROVEMENTS, NEW ORLEANS, LA

Annino performed Civil Engineering on this project. LH&J designed all drainage improvements including the Forshey Street-Railroad Embankment **Drainage Culvert** Improvements, the Dublin Street and Eagle Street **Drainage Culvert** Improvements, the Oleander Street **Culvert** modifications, and the Pritchard Street Pumping Station.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Vincent J. Leco, III, E.I.

Project Assignment:

Civil Engineering

Name of Firm with which associated:



LINFIELD, HUNTER & JUNIUS, INC.

Years' experience with this Firm:

2 Year

Education: Degree(s)/Year Specialization:

University of New Orleans - B.S. / 2019 / Civil Engineering

Active registration: Year first registered/discipline:

Civil / LA License / EI.0034160

Other experience and qualifications relevant to the proposed Project:

Leco is a civil engineer intern who has been with LH&J for two years. He has worked on various civil engineering projects including improvements to major **drainage structures, storm water management systems with green infrastructure, drainage pump stations, drainage studies**, new waterlines, new sewer lines, utility relocations, surveying and site design.

GEISENHEIMER CANAL IMPROVEMENTS, METAIRIE, LA

Assisted project engineer in design of a 8'X12' **box culvert** paralleling existing Geisenheimer drainage canal over a distance of approximately 2,800 linear feet. Box culvert is **structurally integrated with existing drain lines** at three junction box tie-in locations.

LOUMOR OUTFALL DITCH IMPROVEMENTS, METAIRIE, LA

Assisted project engineer in design of **two (2) new underground drainage lines**. One drainage line consist of 78" X 122" **Reinforced Concrete Pipe Arch (RCPA) segments** along the existing drain line identified as Loumor Ditch combining to approximately 1,300 linear feet. The second line consists of a 9'X6' **box culvert** spanning approximately 320 linear feet. These new segments will tie-into the existing below-grade Geisenheimer Canal box culvert that extends along Airline Drive.

VULCAN STREET, HARVEY, LA

Design of **drainage upgrades** and road replacement along Vulcan St. from Par 3 Dr. to Telestar St. Responsible for coordination with client and currently involved in construction administration for the ongoing project. The project includes removal and replacement of driveways, handicap ramps, and approximately 1,000 linear feet of 28' wide of concrete road.

TEC Professional Services Questionnaire

Vincent J. Leco, III, E.I.
Project Assignment – Civil Engineering

FEMA RECOVERY ROADS PROGRAM (RR028) DESIRE GROUP C, NEW ORLEANS, LA

Assisted the project Engineer in full Engineering services including topographic surveying, preliminary and final design, bidding, construction administration and resident inspection. The total project consists of the of 20,585 linear feet of roadway reconstruction and rehabilitation. This includes the **design and replacement or repair of the storm drainage system**, gravity sewer lines and water mains.

HAYNE BOULEVARD RELIEF WELL DRAINAGE, NEW ORLEANS, LA

Assisted in drafting the survey for the Hayne Boulevard relief well system. This survey was assigned to locate relief well structures and to identify the current drainage system for future drainage improvements along Hayne Blvd. in New Orleans, LA.

MAF BUILDING 103 DRAINAGE STUDY, NEW ORLEANS, LA

Assisted project engineer in analyzing **hydraulics of the roof drainage system** for Building 103 Michoud Assembly Facility including the **subsurface drainage** under the building and extending to the pumped outfall canal and to recommend improvements to reduce ponding on the approximate 38 acre building roof.

HOLMES BLVD. REHABILITATION, GRETN, LA

Engineer Intern, assisted in design and constructing of traffic signal plans, construction phasing/detour plans, and striping plans for Holmes Blvd. rehabilitation from Browning Ln. to Behrman Hwy.

DESIRE STREET NEIGHBORHOOD, NEW ORLEANS, LA

Engineer Intern, assisted in design on this project. The project includes subsurface drainage improvements and roadway reconstruction on Piety St. from Florida Ave. to Higgins Blvd. The project also includes numerous paving incidental repairs and bringing all involved intersections to meet ADA code throughout Desire neighborhood.

MAGAZINE STREET ROADWAY IMPROVEMENTS, NEW ORLEANS, LA

Engineer Intern, assisted project engineer in reconstruction of Magazine St. from Leake Avenue to East Drive. The reconstruction includes regrading, new striping, adjustment of utility manholes where applicable, removal & replacement of roadways and sidewalks, and installation of ADA ramps. The total project includes 12,500 linear feet of 35' wide concrete roadway construction, which includes a heavy-duty asphalt pavement with an underlying aggregate base course. One section of Magazine Street, consisting of 2,000 linear feet within Audubon Park, requires a major realignment in order to incorporate turning lanes accessing the park's facilities.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Cecily K. Criscoe, E.I.

Project Assignment:

Civil Engineering

Name of Firm with which associated:



LINFIELD, HUNTER & JUNIUS, INC.

Years' experience with this Firm:

1 Year

Education: Degree(s)/Year Specialization:

Louisiana State University Baton Rouge / M.S. / 2010 / Civil Engineering (Coastal)

Active registration: Year first registered/discipline:

2021/Civil/LA License No. EI.0034794

Other experience and qualifications relevant to the proposed Project:

Criscoe has both coastal/environmental inspection and design experience as well as municipal roadway and **drainage design experience**. She has worked on environmental surveys and assessment reports, cost analysis for dredging contracts and for road reconstruction and redesign projects. Additionally, she has engineering drawing, design, and modeling experience for coastal restoration, underground aquifer conservation, roadway and drainage redesign and reconstruction.

RIVERTOWN INDUSTRIAL PARK JEFFERSON HIGHWAY PROPERTY, KENNER, LA

Criscoe uses **Autodesk Storm and Sanitary Analysis software** to design and calculate pre and post construction storm water runoff over a 13-acre currently undeveloped site in Kenner, LA. She **models and designs detention ponds and a piping network** to ensure compliance with local drainage codes through routing, draining, and storing runoff in-excess-of the pre-construction condition.

CONSTRUCTION MANAGEMENT AND ROADWAY REDESIGN, MINNESOTA

Criscoe was project manager for multiple road reconstruction projects with **culverts and flood crossings** in rural Minnesota following a spring flooding event due to snow melt that washed out many gravel roads, culverts, and stream embankments. Cost estimation was a necessary part of her role in the project.

TEC Professional Services Questionnaire

Cecily K. Criscoe, E.I.
Project Assignment – Civil Engineering

Resume

CHRIS KENNEDY BRIDGE REPLACEMENT, PEARL RIVER, LA

Criscoe uses the HEC RAS software to **design and model depth of flow through Gum Creek during various storm frequency conditions** in Pearl River, LA in-order-to determine parameters for bridge redesign.

WEST NAPOLEON AVENUE EXTENSION TO CONNECT WITH AIRPORT ACCESS ROAD IN KENNER, LA – FEASIBILITY STUDY STAGE 0

Criscoe is a traffic design engineer on this study that will identify necessary improvements to facilitate traffic movement into and out of the airport and eastward and westward along Veterans Blvd and Airline Hwy by extending West Napoleon Ave to Airport Access Road. Budgetary costs will be developed to increase transportation, modal efficiency and enhance safety for all users of West Napoleon Ave. and Airport Road and recommendations will be made to improve operational effectiveness and accessibility by vehicular and non-motorized modes along the corridor. Criscoe models traffic alternatives for this project using Synchro software.

TRAFFIC IMPACT ANALYSIS FOR BELLE CHASSE HIGHWAY 190 – UNIT MID RISE APARTMENT COMPLEX JEFFERSON PARISH, LA

Criscoe conducted this traffic impact analysis by gathering data in field investigations and using this data and data attained from trip generation calculations along with Synchro software to model effects of building a 190-Unit Midrise Apartment Complex at the selected location on Belle Chasse Highway.

FORT POLK MATOC ST. MARY PARISH, LA

Criscoe assisted in the design for the construction of three roads within the base, including grading, drainage and horizontal layout for reworking of Haymon, Self, & McInnis Roads.

DAMAGE ASSESSMENT REPORTS FOLLOWING IDA

Criscoe managed crew of 4 and acted as liaison to team lead for 12 damaged building reports - with several rounds of inspecting, calculating, and editing.

WETLAND DELINEATION AND ENVIRONMENTAL ASSESSMENTS, TEXAS AND LOUISIANA

Criscoe received certification in wetland delineation and performed environmental field surveys in both Texas and Louisiana. She also aided in the organization, research, and writing of Environmental Assessments for NEPA.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

William J. Muller, P.L.S., Registered Land Surveyor

Project Assignment:

Senior Land Surveyor / Lead Land Surveyor

Name of Firm with which associated:



LINFIELD, HUNTER & JUNIUS, INC.

Years' experience with this Firm:

16 Years

Education: Degree(s)/Year Specialization:

Southeastern Louisiana University / 1954

Active registration: Year first registered/discipline:

1995 / Land Surveying / LA License No. PLS. 0004756

Other experience and qualifications relevant to the proposed Project:

Muller has extensive experience in all aspects of land surveying throughout Louisiana. He was technical manager for the largest land survey firm in Southeast Louisiana for many years. Prior to that he worked in the offshore industry spotting well locations, run field crews for numerous Louisiana Power and Light topographic and boundary surveys, analyzed thousands of boundary surveys, and supervised multiple field crews, draftsmen and land surveys. He has been providing land surveying for the firm the past 11 years.

Following is a small sampling of Muller's experience:

WOODLAND DRIVE – GENERAL DEGAULLE DRIVE TO TULLIS DRIVE

Lead Land Surveyor. Topographic and boundary survey for City of New Orleans roadway project.

MAGAZINE STREET - ROADWAY IMPROVEMENTS

Lead Land Surveyor. Topographic and boundary survey for City of New Orleans roadway project.

GENERAL DEGAULLE CANAL CROSSINGS

Lead Land Surveyor. Topographic and boundary survey for State Highway 428.

SOUTH CLAIBORNE AVENUE CANAL I

Lead Land Surveyor. Topographic and boundary survey for State Highway 90.

ST. CHARLES AVENUE NAPOLEON AVENUE TO CALLIOPE STREET

Lead Land Surveyor. Topographic and boundary survey for City of New Orleans roadway.

TEC Professional Services Questionnaire

William J. Muller, P.L.S., Registered Land Surveyor
Project Assignment – Senior Land Surveyor / Lead Land Surveyor

Resume

ADDITIONAL EXPERIENCE AND QUALIFICATIONS

I-10 METAIRIE – CAUSEWAY TO ORLEANS PARISH LINE

Lead Land Surveyor. Topographic and boundary survey for Interstate 10.

I-10 METAIRIE – CLEARVIEW TO CAUSEWAY

Lead Land Surveyor. Topographic and boundary survey for Interstate 10.

I-10 METAIRIE – VETERANS MEMORIAL BLVD. TO CLEARVIEW

Lead Land Surveyor. Topographic and boundary survey for Interstate 10.

I-10 KENNER – WILLIAMS BLVD. INTERCHANGE

Lead Land Surveyor. Topographic and boundary survey for Interstate 10.

US 190 - MANDEVILLE – CAUSEWAY TO STATE PARK

Lead Land Surveyor. Topographic and boundary survey for U.S. Highway 190.

US 190 - SLIDELL – FREMAUX INTERCHANGE

Lead Land Surveyor. Topographic and boundary survey for U.S. Highway 190.

US 190 - SLIDELL - FREMAUX- 9th TO I-10

Lead Land Surveyor. Topographic and boundary survey for U.S. Highway 190.

I-10 SLIDELL - LA 433 TO US 190

Lead Land Surveyor. Topographic and boundary survey for Interstate 10.

US 190 SLIDELL - US 11 TO THOMPSON RD.

Lead Land Surveyor. Topographic and boundary survey for U.S. Highway 190.

ST. TAMMANY PARISH EAST OF ABITA SPRINGS – NEW HIGHWAY FROM LA 36 TO LA 435

Lead Land Surveyor. Topographic and boundary survey for new Louisiana state highway.

LA 611 – METAIRIE ROAD

Lead Land Surveyor. Topographic and boundary survey for State Highway LA 611.

I-10 NEW ORLEANS - S. BROAD TO ST. CHARLES

Lead Land Surveyor. Topographic and boundary survey for Interstate 10.

LA 3139 EARHART BLVD. – JEFFERSON/ORLEANS PARISH LINE TO CLARA ST.

Lead Land Surveyor. Topographic and boundary survey State Highway 3139.

LAKE CHARLES - McNEESE/AIRPORT

Lead Land Surveyor. Topographic and boundary survey for Lake Charles, Louisiana airport.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Daniel D. Bindewald, Survey Party Chief

Project Assignment:

Survey Party Chief

Name of Firm with which associated:



LINFIELD, HUNTER & JUNIUS, INC.

Years' experience with this Firm:

13 Years

Education: Degree(s)/Year Specialization:

Southeastern Louisiana University / B.A. / Criminal Justice

Active registration: Year first registered/discipline:

N/A

Other experience and qualifications relevant to the proposed Project:

Bindewald initially joined LH&J as a survey party crew member and began performing as the **crew chief** of LH&J's Survey Party Team 2 in 2009. Bindewald is proficient in the use of modern GPS/RTK survey instruments, as well as conventional total stations and levels. He is experienced in performing land surveys in all types of environments, including urban, forests and marshes. Bindewald has led survey crews conducting boundary, topographic and hydrographic surveys in Louisiana, Texas and Mississippi. He is knowledgeable of the USACE New Orleans District Minimum Survey Standards Edition 4.1, February 2015, (as well as prior editions) and has a high level of experience and expertise ensuring that all survey work performed by LH&J for the USACE New Orleans district is performed in strict compliance with these standards.

INNER HARBOR NAVIGATION CANAL SURGE PROTECTION BARRIER, ORLEANS PARISH, LOUISIANA

Provided surveying services including locating borings in the field and providing elevations with latitude and longitude coordinates. Located the USACE baselines and tied into the project control to provide station and offset data. Benchmarks were occupied and set for project control. Existing and final cross sections were taken providing cut/fill quantities, station and offset data for 36" diameter pipe piles were provided for QA/QC measures. Bindewald was the GPS survey party crew chief responsible for the accurate collection of all field survey data and reviewed the developed survey files and drawings for consistency with USACE New Orleans District Minimum Survey Standards. Construction cost was in excess of \$1.5 billion.

TEC Professional Services Questionnaire

Daniel D. Bindewald, Survey Party Chief
Project Assignment – Survey Party Chief

Resume

STORM PROOFING ORLEANS PARISH DRAINAGE PUMP STATIONS, NEW ORLEANS, LA

Provided topographic surveys of 18 existing pump station sites for the project. Baselines and benchmarks were established to obtain elevations and latitude/longitude data. Utilities were located and related to the baselines using station/offset data, right-of-way maps were provided to the USACE for project design. Bindewald was the GPS Survey party crew chief responsible for the accurate collection of all field survey data and reviewed the developed survey files and drawings for consistency with USACE New Orleans District Minimum Survey Standards. Program Cost was approximately \$200 million.

PREPARATION OF PLANS AND SPECIFICATIONS FOR THE HURRICANE PROTECTION SYSTEM AT WEST BANK NON-FEDERAL LEVEE NOV-NF-W-04 OAKVILLE TO LAREUSSITE IN PLAQUEMINES PARISH, LA

During the design of this 8.3 mile levee and fronting protection project, Bindewald was the GPS survey party crew chief responsible for performing the supplemental surveys that were needed to complement the Government furnished survey information. Detailed topographic surveys were performed using GPS/RTK equipment at the Ollie Pump Station and at the interface with the adjacent WBV-09a floodwall. Hydrographic surveys were performed to collect bathymetric data for a number of canals and bodies of water that are immediately adjacent to the levee alignment. All elevation data was collected using the North American Vertical Datum (N.A.V.D. 88) (2004.65) and all X-Y coordinates were based upon the Louisiana State Plane Coordinate System, South Zone NAD 83, in U.S. survey feet. During the construction of the project, Bindewald was the GPS survey party chief responsible for field locating the locations for installing 30 temporary bench marks (TBMs) that were supported by 60-foot deep concrete filled boreholes. After construction of the TBMs he performed high precision ± 1.5 mm leveling surveys to tie the TBMs into the required vertical and horizontal datums. He also filed located the installation locations for 34 geotechnical instrumentation clusters and monitoring panels that are used to measure settlement during the first stage of the levee construction and then surveyed the precise elevation and location for each instrument after they were installed. As part of the settlement monitoring program, every two weeks Bindewald leads a survey crew that performs high precision elevation surveys of each of the 34 settlement plates and monitoring panels so that surveyed data can be correlated to the remotely monitored settlement gauges. Construction cost of the project is approximately \$45 million.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Paul H. Morales, IV, Survey Party Chief

Project Assignment:

Survey Party Chief

Name of Firm with which associated:

LINFIELD, HUNTER & JUNIUS, INC.

Years' experience with this Firm:

9 Years

Education: Degree(s)/Year Specialization:

University of New Orleans / B.S. / 2013 / Civil Engineering

Active registration: Year first registered/discipline:

N/A

Other experience and qualifications relevant to the proposed Project:

Morales has both civil engineering design experience and resident inspection experience. During two summers while still in college, he often served as an LH&J survey crew member. He was a design engineer for civil site work on numerous CVS/Pharmacy and Dollar General store sites. Large Scale Topographical and ALTA Surveys for U.S. Army Corps of Engineers, Plaquemines Parish Government and a major pharmacy chain. Elevation, Construction Layout and Pile Layout, GPS, Robotics, Total Station experience including data transfer, plotting and printing. Manual and Mechanical Traffic Counts. TWIC

RELEVANT EXPERIENCE:**DESIRE NEIGHBORHOOD TOPOGRAPHIC AND SUBSURFACE SURVEY, NEW ORLEANS, LA**

LH&J provided topographic surveying services for the project that consisted of the patching and reconstruction of 20,285 linear feet of roadway across 39 blocks, construction of new concrete roadway, replacement of the storm drainage system, sewer lines and water mains. Role: Survey Party

INNER HARBOR NAVIGATION CANAL SURGE PROTECTION BARRIER, ORLEANS PARISH, LA

Provided surveying services including locating borings in the field and providing elevations with latitude and longitude coordinates. The USACE baselines were located and tied into the project control to provide station and offset data. Benchmarks were occupied and set for project control. Existing and final cross sections were taken providing cut/fill quantities, station and offset data for 36-inch diameter pipe piles were provided for QA/QC measures. Morales performed as a survey party technician for the accurate collection of all field survey data and reviewed the developed survey files and drawings for consistency with New Orleans District Minimum Survey Standards. Construction cost >\$1.5B

TEC Professional Services Questionnaire

Paul H. Morales, IV, Survey Party Chief
Project Assignment – Survey Party Chief

HSDRRS LEVEE PROFILES FOR SOUTHEAST LOUISIANA FLOOD PROTECTION AUTHORITY – EAST – LAKE PONTCHARTRAIN LEVEE SYSTEM

Approximately 63 miles of earthen levee centerline profile surveys in Jefferson, Orleans and St. Bernard Parish using tilt rover and base stations. Project compared the existing profile elevations to the design profile elevations.

SOUTHSHORE HARBOR, NEW ORLEANS, LA

Hydrographic survey of approximately 150 acres in Southshore Harbor including portions of the navigation channel and Lake Pontchartrain. Included cross sections and profiles of approximately 10 acres of the north peninsula floodwall for a potential dredge spoil area.

AVONDALE SHIPYARD REDEVELOPMENT, AVONDALE, LA

Hydrographic surveys for 2 miles of the Mississippi River in front of the existing docks. USACE Baseline profile surveys and cross sections. Included batture surveys and topographic surveys of existing lay down areas.

MAGAZINE STREET TOPOGRAPHIC SURVEY, NEW ORLEANS, LA

LH&J provided topographic surveying services for the project that consisted of the reconstruction of 12,500 linear feet of 35' wide roadway, including removal of over 18,720 linear feet of streetcar tracks that are buried under Magazine Street, construction of new concrete roadway, replacement of the storm drainage system, sewer lines and water mains. Role: Survey Party



TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Christopher G. Klimm, E.I., Survey Party Chief

Project Assignment:

Survey Party Chief

Name of Firm with which associated:



LINFIELD, HUNTER & JUNIUS, INC.

Years' experience with this Firm:

2 Years

Education: Degree(s)/Year Specialization:

University of New Orleans / B.S. / 2019 / Civil Engineering

Active registration: Year first registered/discipline:

2020 / Civil / LA License / EI.0034562

Other experience and qualifications relevant to the proposed Project:

Klimm is a civil engineer intern who has been with LH&J for two years. He has worked on various civil and structural engineering projects and has experience as a dock inspection team member and structural designer.

DRAINAGE IMPROVEMENTS N. SIBLEY AT WEST NAPOLEON INSPECTION, METAIRIE, LA

Resident Inspector for portions of the construction of drainage improvements at N. Sibley St. Klimm was responsible for monitoring the work, verifying contractor quantities and preparation of daily reports summarizing daily construction activities.

PIPELINE LOCATION FOR SOIL BORINGS, HACKBERRY, LA

Survey Team Member for the location of existing utility lines in Calcasieu Lake in advance of the drilling of soil borings. Klimm was responsible for obtaining water surface level elevations in the locations of the proposed borings and operating a hydraulic piezometer to confirm the accuracy of the signs showing utility lines locations.

AVONDALE SHIPYARD REDEVELOPMENT, WESTWEGO, LA

Klimm was part of a Team that inspected a damaged dock in the Avondale Shipyard. Klimm developed schematics of the structural supports of the dock and documented signs of damage in the piles or beams. Klimm subsequently drafted plans of the dock specifying which piles or beams needed replacing.

TEC Professional Services Questionnaire

Christopher G. Klimm, E.I., Survey Party Chief
Project Assignment – Survey Party Chief

Resume

GEISENHEIMER CANAL IMPROVEMENTS, METAIRIE, LA

Klimm assisted with the plans and specifications for the construction of Geisenheimer Canal Improvements. This project takes place inside Metairie County Club and includes the installation of a new 12' x 8' reinforced concrete box culvert. Klimm was responsible for the design and drafting of structural details of drainage junction boxes where lateral pipes connected to the new box culvert.

UNITED BULK TERMINAL DOCK INSPECTIONS, DAVANT, LA

Klimm was part of a Team that inspected damaged docks and assisted in assembling the damage report. This project consisted of a substructure inspection by boat of a steel pile dock structure located on the Mississippi River. Included inspection report prepared in accordance with the ASCE MOP No. 130 – "Waterfront Facilities Inspection and Assessment".

HURRICANE IDA DAMAGE ASSESSMENTS, PORT OF NEW ORLEANS, LA

Klimm was part of LH&J damage assessment team working traveling to various PONO facilities, providing information for the damage assessment reports. Worked on quantity take-offs and cost estimates. Assisted in preparation of the forms required for the assessments.

NASA MICHOD ASSEMBLY FACILITY, WEST BARGE DOCK INSPECTION, NEW ORLEANS, LA

Klimm was part of a Team that performed a substructure inspection of the West Barge Dock. He also assisted with load capacity calculations, repair sketches and material take-offs.

LOUMOR OUTFALL DITCH IMPROVEMENTS, METAIRIE, LA

Klimm assisted with the plans and specifications for the construction of Loumor Ditch Drainage Improvements. This project takes place inside Metairie County Club and includes the installation of a new 78" x 122" reinforced concrete drainage line which will start at Geisenheimer canal and end at Loumor ditch. Specifically, Klimm drafted the structural details for the new drainage junction boxes.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Cooper G. Ashworth, E.I., Survey Party Chief

Project Assignment:

Survey Party Chief

Name of Firm with which associated:



LINFIELD, HUNTER & JUNIUS, INC.

Years' experience with this Firm:

1 Year

Education: Degree(s)/Year Specialization:

Louisiana State University/B.S./2021/Civil Engineering

FAA Certified Remote Pilot License/2021

Active registration: Year first registered/discipline:

2021 / Civil / LA License / EI.0034948

Other experience and qualifications relevant to the proposed Project:

Ashworth is a civil engineer intern with two years experience. He has worked on various civil and structural engineering projects and has experience as a dock inspection team member and structural designer. He is an FAA Licensed Remote Pilot and has experience in surveying with Drones and Total Stations.

ST. JAMES SOLAR, VACHERIE LA, ST. JACQUES SOLAR, VACHERIE LA, AND SUNLIGHT ROAD SOLAR, FRANKLINTON, LA

LH&J was responsible for conducting topographic and boundary surveys for 4,500 acre solar farm facility in Vacherie and Franklinton, LA. The projects consisted of surveying both through traditional surveying and by utilizing Lidar scanning technology. The project fee was over \$250,000.00.

Determined site boundaries, provided contours and, collected georeferenced aerial imagery to provide a construction progress exhibit to the client, collected georeferenced aerial imagery to assist in the development of servitudes and parcels of land.

RENE INDUSTRIES SAND PIT, DARROW, LA

LH&J provided land surveying in conjunction with the permitting of levee crossings and a sand pit on the batture. The project was permitted through CPRA, PLD and LADNR through the use of a Joint Permit Application.

FRANCE ROAD YARD SURVEY, NEW ORLEANS, LA

Approximately 20 acre survey for the NOPBRR for the expansion of a railyard. Included topographic survey, hydrographic surveying of the industrial canal, aerial imagery and survey baseline control.

ORPHEUM AVENUE, NEW ORLEANS, LA

Topographic Survey Drafting, Drone Surveying, Photogrammetry

XPLORE CREDIT UNION, METAIRIE, LA

Boundary Survey Drafting

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Casey M. Genovese, P.E., Civil Engineer

Project Assignment:

Senior Roadway / Traffic Engineer

Name of Firm with which associated:



LINFIELD, HUNTER & JUNIUS, INC.

Years' experience with this Firm:

16 Years

Education: Degree(s)/Year Specialization:

Louisiana State University / B.S. / 2005 / Civil Engineering

Active registration: Year first registered/discipline:

2006 / Civil / LA License No. PE.0035327

Other experience and qualifications relevant to the proposed Project:

Genovese has been working at Linfield, Hunter & Junius, Inc. since he graduated from Louisiana State University in December 2005. He is currently working on numerous CVS Pharmacy projects throughout the state which include new roadway work, utility design and traffic engineering. He is in charge of the traffic work for all CVS/Pharmacy projects and his traffic and roadway expertise is often called upon when needed for other projects within the office. He has been responsible for the following traffic improvement projects and studies for the following projects

CVS – KENNER, LA, WILLIAMS BLVD. & WEST NAPOLEON AVENUE

Genovese was Project Manager and Lead Civil Engineer for this project. The project included the design of all the **paving** and utilities including **sanitary sewer**, storm drain, potable and fire water, power and gas, and **traffic impact analysis and road design** of George Avenue for this development.

CVS - COVINGTON, LA - LA 21 & LA 1085

Genovese was Project Manager and Lead Civil Engineer for this project. The project included the design of all the **paving** and utilities including **sanitary sewer**, storm drain, potable and fire water, power and gas, and **traffic design** for this development.

CVS - MEMPHIS, TN - US 64 & HOUSTON LEVEE RD.

Genovese was Project Manager and Lead Civil Engineer for this project. The project included the design of all the **paving** and utilities including **sanitary sewer**, storm drain, potable and fire water, power and gas, and **traffic design** for this development.

TEC Professional Services Questionnaire

Casey M. Genovese, P.E., Civil Engineer
Project Assignment – Senior Roadway / Traffic Engineer

Resume

CVS - COVINGTON, LA - LA 21 & LA 1085

Genovese was Project Manager and Lead Civil Engineer for this project: Resignalization and Intersection Restriping from a signalized T-intersection to a signalized 4-way approach intersection.

CVS - MEMPHIS, TN - US 64 & HOUSTON LEVEE RD.

Genovese was Project Manager and Lead Civil Engineer for this project: Road Widening, Intersection Restriping, Signal Pole Relocation & Resignalization

CVS - DENHAM SPRINGS, LA - S. RANGE AVE. (LA 3002) & NORTH ST.

Genovese was Project Manager and Lead Civil Engineer for this project: Design of a New Span Wire Traffic Signal including Intersection Restriping

CVS - MEMPHIS, TN - PARK AVE. & S. HIGHLAND ST.

Genovese was Project Manager and Lead Civil Engineer for this project: Intersection Radius Improvements, Signal Pole Relocation & Resignalization

CVS - OPELOUSAS, LA - US 190 & WALLIOR ST.

Genovese was Project Manager and Lead Civil Engineer for this project: Right Turn Lane Extension

CVS - BOSSIER CITY, LA - AIRLINE DR. & WEMPLE RD.

Genovese was Project Manager and Lead Civil Engineer for this project: Right Turn Lane Extension



TEC Professional Services Questionnaire

L. Work by Firm or Joint-Venture members which best illustrates current qualifications relevant to this Project. Please include any and all work performed for Jefferson Parish. Please attach additional pages if necessary.

PROJECT NO. 1

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Canal Street Improvements Jefferson Parish, LA</p> <p>Jefferson Parish Government Department of Capital Projects 1221 Elmwood Park Blvd, Suite 906 Jefferson, LA 70123 Neil D. Schneider, P.E., CCM (504) 736-6833</p>  	<p>Canal Street is a divided roadway with a drainage canal between the roadways. As part of the Jefferson Parish Bicycle Master Plan, a new double barrel box culvert was recently installed in the open canal and the canal was enclosed. New subsurface drainage was also installed to tie in to existing drainage and to provide for future improvements.</p> <p>A next phase will include the reconstruction of the roadway with upgraded subsurface drainage and the construction of a new linear park with bicycle path over the enclosed canal. It will also have vehicular parking for visitors outside of the local neighborhood. Numerous green infrastructure elements such as native plantings, bioswales and pervious paving will be incorporated into the next phase. This next phase was recently bid and construction is expected to begin within the next few months.</p> <p>Linfield, Hunter & Junius, Inc. is responsible for engineering design, preparation of plans and specifications, construction resident inspection and coordination with private utilities.</p> <p>Key Features Related to this Solicitation: Major Drainage; Subsurface Drainage; Roadway Pavement and Base; Subsurface Utilities, Sidewalks and Driveways</p> <p>Key Personnel Participation: Robert E. Nockton, P.E.; Luis F. Sosa, P.E.; Mark K. Annino, E.I.; Nathan J. Junius, P.E., P.L.S.; Daniel D. Bindewald</p> 	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2018 A	\$13,100,000	\$13,100,000

TEC Professional Services Questionnaire

PROJECT NO. 2		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>17th Street Canal Improvements Hoey's Canal to Airline Drive New Orleans, LA</p> <p>Ron Spooner, P.E. Chief of Engineering Sewerage & Water Board of New Orleans 8800 S. Claiborne Avenue New Orleans, LA 70118 (504) 865-0650</p> <p>Department of Capital Projects Jefferson Parish 1221 Elmwood Park Blvd, Suite 906 Jefferson, LA 70123 Neil D. Schneider, P.E., CCM (504) 736-6833</p> <div style="text-align: center; margin-top: 20px;">  </div>	<p>The 17th Street Canal, which separates Orleans and Jefferson Parishes, drains most of Uptown New Orleans and 2,500 acres of Jefferson Parish. Between the late 1980's and late 1990's, the canal was widened and deepened from Drainage Pump Station No. 6 to the Hoey's Canal, a distance of approximately 4,300 feet, to increase conveyance capacity.</p> <p>This project deepens and widens the canal to 80-feet from the Hoey's Canal south to Airline Drive and is currently under construction. This work includes a new pile-supported concrete retaining wall on the Jefferson Parish side of the canal, a sheet pile supported I-wall along the Orleans Parish side of the canal and a pile-supported concrete canal bottom between the walls.</p> <p>Cecil Street, located on the Orleans Parish side of the canal and adjacent to it, is heavily deteriorated and anticipated to be worsened by construction. The project also includes the reconstruction of that part of Cecil Street within the project limits including replacement and upgrading of the local subsurface drainage system.</p> <p>Key Features Related to this Solicitation: Major Drainage Structures; Subsurface Drainage; Roadway Pavement and Base; Subsurface Utilities; Sidewalks and Driveways; Handicap Ramps</p> <p>Key Personnel Participation: Robert E. Nockton, P.E.; Luis F. Sosa, P.E.; Mark K. Annino, E.I.; Nathan J. Junius, P.E., P.L.S.; Daniel D. Bindewald;</p> <div style="text-align: center; margin-top: 20px;">  </div>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2017 A	\$10,600,000	\$10,600,000




TEC Professional Services Questionnaire

PROJECT NO. 3						
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:					
<p>Hoey's Canal Drainage Improvements Phase II and III Jefferson Parish, LA</p> <p>Jefferson Parish Government Department of Drainage 1221 Elmwood Park Blvd, Suite 907 Jefferson, LA 70123 Mitchell Theriot, P.E. (504) 736-6751</p> <div style="text-align: center; margin-top: 20px;">  </div>	<p>The Hoey's Canal drains all the portion of Jefferson Parish in the 17th St. Canal Drainage Basin south of Airline Drive, approximately 1200 acres.</p> <p>Linfield, Hunter & Junius, Inc. prepared a funding application for a Louisiana State Wide Flood Control Grant for the lining of the Hoey's Canal from Betz Avenue</p> <div style="display: flex; justify-content: space-between; align-items: flex-start;">  <div style="width: 60%;"> <p>to Causeway Boulevard that was funded in 2003. Work includes installing a structural concrete drainage flume supported on steel sheeting with adjoining slope paving. This design both improves drainage and stabilizes slopes on the canal that have been subject to sloughing and deterioration. The canal runs between two railroads, the CN Railroad and the New Orleans Public Belt Railroad.</p> </div> </div>  <p>Accordingly, all work must be coordinated with these railroads.</p> <p>Construction of the first phase of the project from Betz Avenue to Deckbar Avenue was completed in 2011.</p> <p>Construction of a second phase of the project from Deckbar Avenue to Labarre Road was completed in 2014. This second phase also included a complex in-line pile-supported culvert beneath a railroad spur that crosses the canal near Labarre Road.</p> <p>Design of a third and final phase of the project extending the improved canal from Labarre Road to Causeway Boulevard is underway.</p> <p>Linfield, Hunter & Junius, Inc. was responsible for engineering design, preparation of plans and specifications, construction management, construction resident inspection and coordination with private utilities.</p> <p><u>Key Features Related to this Solicitation:</u> Major Drainage Structures</p> <p><u>Key Personnel Participation:</u> Robert E. Nockton, P.E.; Nicholas Talbot</p>					
<p>Completion Date (Actual or estimated):</p>	<p style="text-align: center;">Estimated Cost:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #0070C0; color: white;"> <th style="width: 35%; padding: 5px;">Entire Project:</th> <th style="width: 65%; padding: 5px;">Work for which Firm was Responsible:</th> </tr> </thead> <tbody> <tr> <td style="text-align: center; padding: 20px;">2018 A</td> <td style="text-align: center; padding: 20px;"> <div style="display: flex; justify-content: space-around;"> <div style="width: 45%;">\$15,000,000</div> <div style="width: 45%;">\$15,000,000</div> </div> </td> </tr> </tbody> </table>		Entire Project:	Work for which Firm was Responsible:	2018 A	<div style="display: flex; justify-content: space-around;"> <div style="width: 45%;">\$15,000,000</div> <div style="width: 45%;">\$15,000,000</div> </div>
Entire Project:	Work for which Firm was Responsible:					
2018 A	<div style="display: flex; justify-content: space-around;"> <div style="width: 45%;">\$15,000,000</div> <div style="width: 45%;">\$15,000,000</div> </div>					



TEC Professional Services Questionnaire

PROJECT NO. 4		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Hoey's Canal Bypass Jefferson Parish, Louisiana</p> <p>Jefferson Parish Government Department of Capital Projects 1221 Elmwood Park Blvd, Suite 906 Jefferson, LA 70123 Neil D. Schneider, P.E., CCM (504) 736-6833</p> <div style="text-align: center; margin-top: 20px;">  </div>	<div style="display: flex; justify-content: space-between;"> <div style="width: 48%;">  <p>Hoey's Canal south of Airline Drive to the Monticello Canal. This diversion of flow will be accomplished through the Hoey's Canal Bypass. The Hoey's Canal Bypass provides a more efficient hydraulic path to the Monticello Canal and Pumping Station No. 6, thus improving Jefferson Parish drainage significantly.</p> </div> <div style="width: 48%;">  <p>The Hoey's Canal drains the portion of Jefferson Parish in the 17th St. Canal Drainage Basin south of Airline Drive, approximately 1200 acres. Extensive improvements to the canal are necessary to upgrade drainage to the levels recommended in the 17th St. Canal Drainage Basin Study. One of the major improvements to the canal includes diverting the flow of the</p> </div> </div> <p>LH&J prepared a funding application for a Louisiana State Wide Flood Control Grant for the Bypass Canal that was funded in 1998. The project was divided into two phases and final designs were subsequently prepared by the firm in accordance with Louisiana State Wide Flood Program guidelines.</p> <p>Phase 1 of the canal consisted of a 25-foot wide by 5-foot high pile-supported concrete flume with concrete paved side slopes. Construction of Phase I was completed in 2006.</p> <p>Phase 2 of the canal consisted of a 31-foot wide by 10-foot high pile-supported concrete flume and a 31-foot wide by 10-foot high pile-supported covered concrete box culvert. Construction of Phase 2 was completed in 2015.</p> <p>Linfield, Hunter & Junius, Inc. was responsible for topographic surveying, engineering design, preparation of plans and specifications, construction management, construction resident inspection and coordination with private utilities.</p> <p><u>Key Features Related to this Solicitation:</u> Major Drainage Structures</p> <p><u>Key Personnel Participation:</u> Robert E. Nockton, P.E.; Nathan J. Junius, P.E., P.L.S.; Daniel D. Bindewald</p>	
<p style="text-align: center; background-color: #00a0e3; color: white; padding: 5px;">Completion Date (Actual or estimated):</p>	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2015 A	\$4,600,000	\$4,600,000

TEC Professional Services Questionnaire

PROJECT NO. 5						
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:					
<p>Livingston Place East and West Drainage Improvements Metairie, LA</p> <p>Jefferson Parish Government Department of Capital Projects 1221 Elmwood Park Blvd, Suite 906 Jefferson, LA 70123 Neil. D. Schneider, P.E., CCM (504) 736-6833</p> <div style="text-align: center; margin-top: 20px;">  </div>	<div style="display: flex;"> <div style="flex: 1;">  </div> <div style="flex: 1; padding-left: 10px;"> <p>East and West Livingston are two residential roads in Old Metairie on the East Bank of Jefferson Parish. The subsurface drainage systems in each road were substandard resulting in heavy flooding during normal intense rainstorms. The firm identified subsurface drainage improvements needed during preparation of a master drainage plan for Old Metairie developed for the Jefferson Parish Government and was subsequently retained by</p> </div> </div> <p>the Parish to provide engineering services for reconstruction of the roadway and installation of the new subsurface drains.</p> <p>The project was funded by a Community Development Block Grant in the amount of \$2,000,000 with remaining funds supplied through the Louisiana State Capital Outlay program.</p> <div style="display: flex;"> <div style="flex: 1;"> <p>Linfield, Hunter & Junius, Inc. was responsible for topographic surveying, engineering design, preparation of plans and specifications, construction management, construction resident inspection and coordination with private utilities.</p> <p><u>Key Features Related to this Solicitation:</u> Subsurface Drainage; Roadway Pavement and Base; Subsurface Utilities; Sidewalks and Driveways; Handicap Ramps</p> <p><u>Key Personnel Participation:</u> Mark K. Annino; Nathan J. Junius, P.E., P.L.S.; Daniel D. Bindewald</p> </div> <div style="flex: 1;">  </div> </div>					
<p>Completion Date (Actual or estimated):</p>	<p style="text-align: center;">Estimated Cost:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #00a0e3; color: white;"> <th style="width: 35%; padding: 5px;">Entire Project:</th> <th style="width: 65%; padding: 5px;">Work for which Firm was Responsible:</th> </tr> </thead> <tbody> <tr> <td style="text-align: center; height: 50px; vertical-align: bottom;">2015 A</td> <td style="text-align: center; height: 50px; vertical-align: bottom;"> <div style="display: flex; justify-content: space-around;"> <div style="width: 45%;">\$5,000,000</div> <div style="width: 45%;">\$5,000,000</div> </div> </td> </tr> </tbody> </table>		Entire Project:	Work for which Firm was Responsible:	2015 A	<div style="display: flex; justify-content: space-around;"> <div style="width: 45%;">\$5,000,000</div> <div style="width: 45%;">\$5,000,000</div> </div>
Entire Project:	Work for which Firm was Responsible:					
2015 A	<div style="display: flex; justify-content: space-around;"> <div style="width: 45%;">\$5,000,000</div> <div style="width: 45%;">\$5,000,000</div> </div>					

TEC Professional Services Questionnaire

PROJECT NO. 6		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Drainage Improvements to Cuddihy Drive and Woodvine Avenue Jefferson Parish, LA</p> <p>Jefferson Parish Department of Capital Projects 1221 Elmwood Park Blvd, Suite 906 Jefferson, LA 70123 Neil D. Schneider, P.E., CCM (504) 736-6833</p> <div style="text-align: center; margin-top: 20px;">  </div>	<div style="display: flex;">  <div style="margin-left: 10px;"> <p>This project included the installation of one subsurface storm drain trunk line beneath the roadway along Cuddihy Drive and Woodvine Avenue. Catch basins were installed along the roadway at the curb line with lateral subsurface storm drain lines draining from the catch basin into the trunk line. All existing water house and sewer house connections were replaced. The existing roadway was reconstructed with new pavement base and portland cement concrete pavement surface. New concrete curb was installed along both edges of the roadway. Driveway aprons were replaced from the roadway to the existing property line.</p> <p>Linfield, Hunter & Junius, Inc. was responsible for topographic surveying, engineering design, preparation of plans and specifications, construction management, construction resident inspection and coordination with private utilities.</p> <p>Woodvine Avenue was designed as described above but not constructed due to budget limitations.</p> <p><u>Key Features Related to this Solicitation:</u></p> <p>Subsurface Drainage; Roadway Pavement and Base; Subsurface Utilities; Sidewalks and Driveways; Handicap Ramps</p> <p><u>Key Personnel Participation:</u></p> <p>Robert E. Nockton, P.E.; Mark K. Annino; Nathan J. Junius, P.E., P.L.S.,</p> </div> </div>	
<p style="text-align: center;">Completion Date (Actual or estimated):</p>	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2009 A	\$2,570,000	\$2,570,000

TEC Professional Services Questionnaire

PROJECT NO. 7						
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:					
<p>Geisenheimer Covered Canal Reconstruction and Enlargement Jefferson Parish, LA</p> <p>Jefferson Parish Government Department of Capital Projects 1221 Elmwood Park Blvd, Suite 906 Jefferson, LA 70123 Neil D. Schneider, P.E., CCM (504) 736-6833</p> <div style="text-align: center; margin-top: 20px;">  </div>	<div style="display: flex; justify-content: space-between;">   </div> <p>The Geisenheimer Covered Canal is the primary drainage canal for the portion of Jefferson Parish located between Metairie Road to the north, Airline Drive to the south, the Orleans/Jefferson Parish boundary to the east and Causeway Blvd. to the west. This area includes the Metairie Country Club and Metairie Club Gardens subdivision. The upper Geisenheimer Covered Canal consisted of a 2,350 foot long covered concrete box culvert running just north of Airline Drive, 8' wide by 6' deep. Parts of the existing 8' by 6' covered canal were collapsing. A 1,450 foot length of 8' by 6' box was replaced with a 15' by 8' box.</p> <p>This project included:</p> <ul style="list-style-type: none"> Removal of approximately 1,450 linear feet of deficient 8' wide by 6' deep covered concrete box culvert located within 5' of pile-supported, 8' high brick fence and within 10' of houses Construction of approximately 1,450 linear feet of 15' wide by 8' deep reinforced concrete box culvert Phased construction of new box culvert across Maple Ridge Drive to permit constant access to the Maple Ridge Subdivision from Airline Drive Roadway reconstruction at the Maple Ridge Drive/Airline Drive intersection Coordination of utility relocations with utility companies as required for construction <p>Linfield, Hunter & Junius, Inc. was responsible for engineering design, preparation of plans and specifications, construction management, construction resident inspection and coordination with private utilities.</p> <p>Key Features Related to this Solicitation: Major Drainage Structures (Box Culvert); Subsurface Drainage; Roadway Pavement and Base; Subsurface Utilities; Landscaping</p> <p>Key Personnel Participation: Robert E. Nockton, P.E.; Luis F. Sosa, P.E.;</p>					
<p>Completion Date (Actual or estimated):</p>	<p style="text-align: center;">Estimated Cost:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #0070C0; color: white;"> <th style="width: 35%; padding: 5px;">Entire Project:</th> <th style="width: 65%; padding: 5px;">Work for which Firm was Responsible:</th> </tr> </thead> <tbody> <tr> <td style="text-align: center; padding: 20px;">2001 A</td> <td style="text-align: center; padding: 20px;"> <div style="display: flex; justify-content: space-around;"> <div style="width: 45%; text-align: center;">\$4,800,000</div> <div style="width: 45%; text-align: center;">\$4,800,000</div> </div> </td> </tr> </tbody> </table>		Entire Project:	Work for which Firm was Responsible:	2001 A	<div style="display: flex; justify-content: space-around;"> <div style="width: 45%; text-align: center;">\$4,800,000</div> <div style="width: 45%; text-align: center;">\$4,800,000</div> </div>
Entire Project:	Work for which Firm was Responsible:					
2001 A	<div style="display: flex; justify-content: space-around;"> <div style="width: 45%; text-align: center;">\$4,800,000</div> <div style="width: 45%; text-align: center;">\$4,800,000</div> </div>					

TEC Professional Services Questionnaire

PROJECT NO. 8						
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:					
<p>Rehabilitation and Upgrade of Magazine and Prytania Streets including Utilities New Orleans, LA</p> <p>City of New Orleans Dept. of Public Works 1300 Perdido St, Rm6W02 New Orleans, LA 70112 Tang Phan, P.E. (504) 565-6844</p> <div style="text-align: center; margin-top: 20px;">  </div> <div style="text-align: center; margin-top: 20px;">  </div>	<p>Magazine and Prytania Streets serve as major arterial roads for a bustling business area of the City of New Orleans. Complete closure of either of these streets would cripple, if not kill, many businesses in this area. Included as part of the design work is a major Construction Phasing Plan comprising seven (7) phases and six (6) different detour routes to keep the streets open to all merchants and their customers.</p> <p>The project requires the removal of over 24,000 linear feet of streetcar tracks that were buried under Magazine and Prytania Streets. The total project includes 16,000 linear feet of 35' wide concrete roadway, which includes a heavy duty concrete pavement with an underlying aggregate base course. One section of Magazine Street, consisting of 2,000 linear feet within Audubon Park, required a major realignment in order to incorporate turning lanes accessing the park's facilities.</p> <p>The drainage system is to be replaced with 10,500 linear feet of 15" to 24" drain pipes. Improvement of the sanitary sewer lines requires the replacement of 9,600 linear feet of 8" and 10" diameter sewer pipe, sewer manholes and house service connections. Approximately 11,800 linear feet of 8" and 12" water mains will also be replaced.</p> <div style="display: flex; align-items: flex-start;">  <div style="margin-left: 10px; padding-top: 10px;"> <p>Linfield, Hunter & Junius, Inc. is coordinating the requirements and concerns of several entities, including the Sewerage & Water Board of New Orleans, Entergy, Cox Cable, the Downtown Development District, and local merchants' associations.</p> <p>LH&J is providing complete engineering services for this project including preliminary engineering, surveys, traffic engineering, geotechnical engineering, final design, and construction phase services including resident inspection.</p> </div> </div> <p><u>Key Features Related to this Solicitation:</u> Subsurface Drainage; Roadway Pavement and Base; Subsurface Utilities; Sidewalks and Driveways; Handicap Ramps.</p> <p><u>Key Personnel Participation:</u> Robert E. Nockton, P.E.; Mark K. Annino, E.I.; Nathan J. Junius, P.E., P.L.S.; Daniel D. Bindewald; Paul H. Morales, IV</p>					
<p style="text-align: center;">Completion Date (Actual or estimated):</p>	<p style="text-align: center;">Estimated Cost:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #00a0e3; color: white;"> <th style="width: 35%; padding: 5px; text-align: center;">Entire Project:</th> <th style="width: 65%; padding: 5px; text-align: center;">Work for which Firm was Responsible:</th> </tr> </thead> <tbody> <tr> <td style="text-align: center; padding: 20px;">2018 A</td> <td style="text-align: center; padding: 20px;"> <div style="display: flex; justify-content: space-around;"> <div style="width: 45%; text-align: center;">\$10,000,000</div> <div style="width: 45%; text-align: center;">\$10,000,000</div> </div> </td> </tr> </tbody> </table>		Entire Project:	Work for which Firm was Responsible:	2018 A	<div style="display: flex; justify-content: space-around;"> <div style="width: 45%; text-align: center;">\$10,000,000</div> <div style="width: 45%; text-align: center;">\$10,000,000</div> </div>
Entire Project:	Work for which Firm was Responsible:					
2018 A	<div style="display: flex; justify-content: space-around;"> <div style="width: 45%; text-align: center;">\$10,000,000</div> <div style="width: 45%; text-align: center;">\$10,000,000</div> </div>					

TEC Professional Services Questionnaire

PROJECT NO. 9							
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:						
<p>Dillard University Student Union Site Development New Orleans, LA</p> <p>Dillard University 2601 Gentilly Boulevard New Orleans, LA 70122 Adonis Wood (504) 816-4375</p> <div style="text-align: center; margin-top: 20px;">  <div style="display: inline-block; vertical-align: middle; text-align: left;"> <p style="font-size: 2em; margin: 0;">DILLARD</p> <p style="font-size: 2em; margin: 0;">UNIVERSITY</p> </div> </div>	<p>Linfield, Hunter & Junius, Inc. (LH&J) has functioned in several capacities including Program Manager, Master Planner and Consultant at Dillard University from 1998 to present. LH&J was engaged by Dillard University to oversee and design multiple infrastructure projects ranging from replacement of an aging sanitary sewer system to construction of a new loop water distribution system as well as improvement of campus-wide drainage facilities, roadways, parks, parking lots, tennis courts.</p> <p>The entire Dillard University Student Union Facility was designed as LEED Gold and is currently the largest LEED Gold facility in the New Orleans area. LH&J was responsible for the design of all the sitework in this project. The LEED Gold requirements for the sitework included water conservation facilities including bioswales, water reservoirs, natural filtration systems, an underground storm water storage system, and pervious pavements for water preservation and recycling.</p> <p><u>Key Features Related to this Solicitation:</u> Subsurface Drainage; Stormwater Management Facilities; Roadway Pavement and Base; Sidewalks and Driveways; Handicap Ramps</p> <p><u>Key Personnel Participation:</u> Robert E. Nockton, P.E.</p>						
<div style="text-align: center;">  </div> <div style="text-align: center;">  </div> <div style="text-align: center;">  </div>							
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #00a0e3; color: white;"> <th colspan="2" style="text-align: center; padding: 5px;">Estimated Cost:</th> </tr> <tr style="background-color: #00a0e3; color: white;"> <th style="width: 50%; padding: 5px;">Entire Project:</th> <th style="width: 50%; padding: 5px;">Work for which Firm was Responsible:</th> </tr> </thead> <tbody> <tr> <td style="text-align: center; padding: 20px;">2013 A</td> <td style="text-align: center; padding: 20px;">\$4,200,000</td> </tr> </tbody> </table>		Estimated Cost:		Entire Project:	Work for which Firm was Responsible:	2013 A
Estimated Cost:							
Entire Project:	Work for which Firm was Responsible:						
2013 A	\$4,200,000						

TEC Professional Services Questionnaire

PROJECT NO. 10						
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:					
<p>Replace Six Canal Crossings Over General DeGaulle Drive Canal, New Orleans, LA</p> <p>Sewerage & Water Board of New Orleans 8800 S. Claiborne Avenue New Orleans, LA 70118 Ron Spooner, P.E. (504) 865-0650</p> <div style="text-align: center; margin-top: 20px;">  </div>	<p>This project required the removal of 6 existing canal crossings and replacing them with concrete box culverts. Linfield, Hunter & Junius, Inc. (LH&J) was selected to design the two (2) largest of the six crossings and also to perform as the lead coordinating consultant for all six crossings. The two crossings are at McArthur Boulevard and Behrman Place on the Westbank of New Orleans. These canal crossings are part of the larger General DeGaulle Canal Improvements from Wall Boulevard to the Algiers Outfall Canal. The project was funded by the S&WB and LADOTD through the Federal Aid Program (Urban System). The new culverts were hydraulically designed for a 25-year storm frequency. The two crossings were constructed in one contract package.</p> <div style="display: flex; justify-content: space-around; margin-top: 10px;">   </div> <div style="text-align: center; margin-top: 20px;">  </div> <p>Key Features Related to this Solicitation: Covered Drainage Canals; Roadway Pavement and Base; Subsurface Drainage; Subsurface Utilities; Sidewalks and Driveways; Handicap Ramps</p> <p>Key Personnel Participation: Robert E. Nockton, P.E.; Luis F. Sosa, P.E.; Mark K. Annino, E.I.</p>					
Completion Date (Actual or estimated):	<div style="text-align: center; background-color: #00a0e3; color: white; padding: 2px 5px; margin-bottom: 5px;">Estimated Cost:</div> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr style="background-color: #00a0e3; color: white;"> <th style="width: 35%; padding: 5px; text-align: center;">Entire Project:</th> <th style="width: 65%; padding: 5px; text-align: center;">Work for which Firm was Responsible:</th> </tr> <tr> <td style="height: 60px; vertical-align: bottom; text-align: center; padding: 5px;">2013 A</td> <td style="height: 60px; vertical-align: bottom; text-align: center; padding: 5px;"> <div style="display: flex; justify-content: space-around;"> <div style="width: 45%; text-align: center;">\$6,000,000</div> <div style="width: 45%; text-align: center;">\$6,000,000</div> </div> </td> </tr> </table>		Entire Project:	Work for which Firm was Responsible:	2013 A	<div style="display: flex; justify-content: space-around;"> <div style="width: 45%; text-align: center;">\$6,000,000</div> <div style="width: 45%; text-align: center;">\$6,000,000</div> </div>
Entire Project:	Work for which Firm was Responsible:					
2013 A	<div style="display: flex; justify-content: space-around;"> <div style="width: 45%; text-align: center;">\$6,000,000</div> <div style="width: 45%; text-align: center;">\$6,000,000</div> </div>					

TEC Professional Services Questionnaire

M. List all prior and/or on-going litigation between Firm and Jefferson Parish. Please attach additional pages if necessary.

Parties		Status/Result of Case:
Plaintiff:	Defendant:	
1. None		
2.		
3.		
4.		

N. Use this space to provide any additional information or description of resources supporting Firm's qualifications for the proposed project.

INTRODUCTION

Linfield, Hunter & Junius, Inc. (LH&J) is pleased to submit its proposal for the **Jefferson Parish Routine Engineering Services for Drainage Projects**. LH&J and previous firms have been providing quality engineering and architectural services for over 55 years and to Jefferson Parish since 1993. As the design engineering consultant for a number of previous drainage projects, LH&J is well postured to provide Jefferson Parish with a team of highly experienced and extremely capable engineers, land surveyors, and other design professionals who are intimately familiar with the critical design and construction considerations that are unique to this very important project. Our past experience in Jefferson Parish gives us the knowledge and understanding of the needs for this project, in particular drainage design. This along with our extensive experience in civil engineering design and land surveying puts LH&J in the unique position of being able to dive straight into the project without a learning curve. LH&J will provide all in-house expertise and personnel for drainage and civil engineering and land surveying.

Should an individual project require specialty subconsultants such as mechanical, electrical, geotechnical, traffic, or land surveying, etc. we will supply appropriate subconsultants in accordance with the Jefferson Parish Code of Ordinance.

We offer a very compact team of local professionals with specialized experience specific to the scope of work required by this solicitation. All work will be performed at the offices of LH&J. Furthermore, LH&J's in-house land surveyors will be prioritized to this project to ensure that field survey data is rapidly obtained and furnished to our design team. Also, any requirements to obtain supplemental data as the project progresses will be quickly addressed to avoid delays.

TEC Professional Services Questionnaire

Major continuing repeat public clients include:

- ✓ Jefferson Parish since 1991 (31 years)
- ✓ The Port of New Orleans since 1971 (51 years)
- ✓ U.S. Army Corps of Engineers since 1973 (49 years)
- ✓ Plaquemines Parish Government since 1973 (49 years)
- ✓ City of New Orleans since 1974 (48 years)
- ✓ U.S. Navy, Southern Division since 1975 (47 years)
- ✓ Sewerage & Water Board of New Orleans since 1979 (43 years)

A. EVALUATION CRITERIA

A.1 Professional Training and Experience

Our Team is well qualified to provide the services required for this project. We anticipate that the following services will be required and we have the complete team and will add to the Team as directed by the Parish to provide all these services.

- ✓ Drainage and Civil Engineering
- ✓ Land Surveying
- ✓ Traffic Engineering

Drainage and Civil Engineering (Linfield, Hunter & Junius, Inc.)

Linfield, Hunter & Junius, Inc. (LH&J) is a premier drainage expert in the metropolitan New Orleans area. Our drainage studies have varied from as small as that of a site for a retail strip mall to as large as an entire parish. We are intimately familiar with every aspect of storm drainage design used to date in Jefferson Parish including culverts, pump stations, drainage canals, detention basins, ditches, watershed management systems, subsurface drainage systems, floodwalls, levees, locks, gates and many others. We have studied and designed a tremendous number of drainage facilities and structures for the **Jefferson Parish Department of Drainage**.

A summary of Linfield, Hunter & Junius, Inc.'s professional training and experience in the areas of drainage includes:

- ✓ Professional staff with well over 150 cumulative years of experience in drainage projects (see Items K and L).
- ✓ Firm background of over 35 years of major drainage experience.
- ✓ A proven track record of completed drainage projects from feasibility studies following through to completed construction.
- ✓ Recent completion of successful drainage projects which are similar to the scope of work of your current project.
- ✓ A working knowledge of state-of-the-art computerized methods and procedures for studies and design.

The firm has an extensive track record of major drainage and site work projects including development of the master plan for drainage in the 17th St. Canal Drainage Basin. The 10,000 acre 17th St. Canal Drainage Basin drains most of Uptown New Orleans and Old Metairie. This master plan has served as the basis of implementation of over \$80,000,000 dollars of drainage improvements since 1983. Linfield, Hunter & Junius, Inc. provided full design and contract administration services for over \$50,000,000 of these drainage improvements.

TEC Professional Services Questionnaire

The firm has provided engineering services for Jefferson Parish, the City of New Orleans, Louisiana Department of Transportation and Development, Sewerage and Water Board of New Orleans, St. Charles Parish, U.S. Corps of Engineers, Port of New Orleans, U. S. Navy, Entergy Corporation and the Rouse Corporation and for numerous other clients since the mid 1970's. In the last 10 years the firm has been responsible for the design and contract administration of over \$100,000,000 of improvements.

Relevant projects include:

- ✓ Canal Street Improvements
- ✓ 17th Street Canal Improvements
- ✓ Hoey's Canal Drainage Improvements (Phase II and III)
- ✓ Hoey's Canal Bypass
- ✓ Livingston Place East and West Drainage Improvements
- ✓ Cuddihy Drive and Woodvine Avenue Drainage Improvements
- ✓ Geisenheimer Canal Improvements
- ✓ Rehabilitation of Magazine and Prytania Streets
- ✓ Dillard University Student Union Site Development
- ✓ General DeGaulle Crossings
- ✓ Claiborne Avenue Covered Canal I Project
- ✓ Russell Street Improvements
- ✓ Hollygrove Drainage Improvements



Cuddihy Drive Drainage Improvements



Geisenheimer Canal Improvements
Covered Canal

Land Surveying (Linfield, Hunter & Junius, Inc.)

Linfield, Hunter & Junius, Inc. (LH&J) employs **two (2) full time Registered Professional Land Surveyors** and maintains **four (4) fully staffed survey field crews** who are equipped with modern vehicles and state of the art survey equipment for both conventional and GPS surveying. Our crews have worked in difficult terrain conditions, including coastal marshes, and are equipped for and experienced at performing topographic, boundary, topographic bathymetric, right-of-way, control, and hydrographic surveys as well as performing bench leveling, construction layout surveys and settlement monitoring surveys. Our CADD Drafters are highly experienced in working with both Bentley MicroStation and Autodesk AutoCAD as required. LH&J also utilizes add in modules such as ArcView, Civilsoft and InRoads to enhance the efficiency of data processing and project deliverables. We are competent at working with any vertical and horizontal datum as specified by the Client's requirements. We utilize computer based survey data processing software to achieve maximum efficiency and ensure rapid and reliable deliverables for our Clients. Since placing an increased emphasis on land surveying services, the firm has completed over \$1,000,000 in land surveys for in-house designs and others.

TEC Professional Services Questionnaire

Public

- Jefferson Parish Department of Public Works
- LA Department of Transportation and Development
- Audubon Park, New Orleans
- U.S. Army Corps of Engineers
- City of New Orleans Department of Public Works
- Sewerage and Water Board of New Orleans
- Plaquemines Parish Government
- Pontchartrain Levee District
- St. Tammany School Board
- City of Hammond
- Tangipahoa Parish
- City of Baton Rouge
- University of New Orleans

Private

- CVS/Pharmacies – hundreds
- Dillard University
- Tulane University
- Children's Hospital
- Woodward Design+Build
- Friends of City Park, New Orleans, LA
- Dollar General Stores – over 50
- Exxon/Mobile Corporation
- New Orleans Park-N-Fly
- Multiple design consultants statewide

Registered Surveyors

Nathan J. Junius, P.E., P.L.S.

BSCE, MSCE

20 years experience

William J. Muller, P.L.S.

30 + years experience

Nathan J. Junius, P.E., P.L.S. is a licensed surveyor and heads up Linfield, Hunter & Junius, Inc. surveying. In addition to extensive experience as a civil engineer, Mr. Junius has extensive experience in all aspects of land surveying.

William J. Muller, P.L.S. has extensive experience in all aspects of land surveying throughout Louisiana. He worked in the offshore industry spotting well locations, run field crews for numerous Louisiana Power and Light topographic and boundary surveys, analyzed thousands of boundary surveys, and supervised multiple field crews, draftsmen and land surveys.

Examination of the attached resumes project descriptions in Items K and L demonstrates that the firm has the professional training and experience to provide complete land surveying services.

Traffic Engineering

Traffic engineering will be performed by Linfield, Hunter & Junius, Inc.

The traffic engineering team of **Linfield, Hunter & Junius, Inc. (LH&J)** has provided traffic engineering services for numerous projects including CVS/Pharmacy site developments to new signalization and traffic control plans.

A.2 Capacity for Timely Completion of Newly Assigned Work

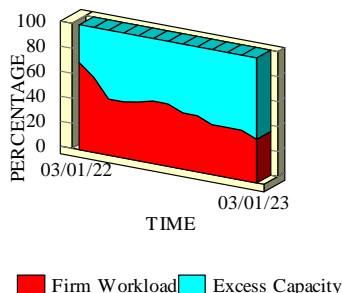
The design of several drainage projects have been recently completed or are near completion. Therefore, we have a large engineering team available to jump on this project. This project can be easily absorbed by the firm, as we have substantial reserve production capacity to meet any reasonable project scheduling.

Our current and projected firm capacity shown below indicates a 40% capacity shortfall by April 2022. The 15% capacity anticipated for this project would be very welcome and needed to maintain our current staff levels.

TEC Professional Services Questionnaire

Linfield, Hunter & Junius, Inc.

Firm Capacity



Fast turnaround time is an excellent indication of our ability to respond to the needs of our clients.

Linfield, Hunter & Junius, Inc. has a well-deserved reputation for completing public projects on time; in fact, our firm often completes designs awarded to several firms at the same time before other firms' designs have been completed. Recent examples of our fast turnaround include:

- **17th Street Canal Widening – Hoey's Canal to Airline Drive**
The schedule for this project was accelerated to accommodate aggressive grant funding deadlines. Linfield, Hunter & Junius, Inc. completed design sufficiently ahead of schedule such that the project was bid and construction begun several weeks before the grant deadline date for construction.
- **Hoey's Canal Bypass**
Linfield, Hunter & Junius, Inc. completed design of the first phase of this project ahead of schedule to meet aggressive grant funding deadlines.
- **Alcee Fortier/Pressburg Streets**
This project was designed by Linfield, Hunter & Junius, Inc. and constructed ahead of similarly-sized projects awarded to other firms at the same time.
- **Earhart Boulevard**
Five firms were awarded similarly-sized parts of this project; Linfield, Hunter & Junius, Inc. received the last of these awards yet completed its design first.
- **Leon C. Simon and Gentilly Road Bridges**
Of the eight bridge projects awarded to various firms, Linfield, Hunter & Junius, Inc.'s two bridge projects were the first designs completed, and construction of these bridges was completed first.
- **Hollygrove Area Drainage Project**
This may be the largest single SELA drainage project. The design was completed on time under a very aggressive schedule and the firm was given the **USACE's highest rating of "EXCELLENT" including an "OUTSTANDING" rating** for the "Management and Adherence to Schedules" category. Construction is complete.
- **17th St. Canal Levee Breach Repairs, Interim Closure Structure, and Interim Pumping System**
This was among the most visible and important public projects in New Orleans and Jefferson Parish subsequent to Hurricane Katrina. The design was completed under a very aggressive fast track schedule while the firm reestablished operations and restored its flooded offices in Metairie. More than \$200 Million dollars of improvements were designed within one year.

TEC Professional Services Questionnaire

Gates and temporary drainage pumps were in place and operational in time for the 2006 hurricane season less than one year after Hurricane Katrina. The Corps of Engineers issued a **Certificate of Appreciation to the firm for Outstanding Service** in providing engineering support in Southeast Louisiana subsequent to Hurricane Katrina. **The firm received a National Honor Award in 2009** from the American Council of Engineering Companies for design of the 17th St. Canal Interim Closure Structure.

A.3 Location of Principal Office Where Work Will Be Performed

Linfield, Hunter & Junius, Inc. is located in Jefferson Parish at **3608 18th Street, Metairie, LA 70002**. We are centrally located in the parish, and all work will be performed from this office.



A.4 Status of Current Litigation with Jefferson Parish

Linfield, Hunter & Junius, Inc. has no previous or on-going litigation with Jefferson Parish.

A.5 Prior Successful Completion of Projects of the Type and Nature of Routine Engineering Services, as defined, for Which Firm Has Provided Verifiable References

Linfield, Hunter & Junius, Inc. has a staff of engineers with significant experience providing the professional services required for this project. **Examination of the Resumes in Item K and the Project Descriptions in Item L demonstrates the extensive experience of our staff** in providing the services required for this project. Our team has a proven track record of completed major projects from feasibility studies following through to completed construction, and has recently completed a number of successful drainage projects which are similar to the scope of work of this project and in the same geographical area.

A.6 Size of Firm

Linfield, Hunter & Junius, Inc. employs thirty-seven (37) individuals, as shown in Item E above. The size of our firm is ideal for projects such as the proposed project because:

- ✓ The firm is large enough that it can absorb projects of the size of the proposed project and not become overburdened by them.
- ✓ The firm is small enough to be nimble and responsive to the client.
- ✓ The management structure is not multi-layered, which facilitates resolution of issues that could otherwise slow down a project.

TEC Professional Services Questionnaire

A.7 Past Performance by Person or Firm on Parish Contracts

To date LH&J has received the following drainage engineering assignments from Jefferson Parish:

- ✓ Canal Street Improvements – COMPLETED
- ✓ Widening and Deepening of the 17th Street Canal – COMPLETED
- ✓ Hoey's Canal Drainage Improvements (Phase II and III) – Phase III-a - COMPLETED
- ✓ Hoey's Canal Drainage Improvements (Phase II and III) – Phase III-b - COMPLETED
- ✓ Hoey's Canal Drainage Improvements (Phase II and III) – Phase III-c – IN DESIGN
- ✓ Hoey's Bypass Canal – Phase I - COMPLETED
- ✓ Hoey's Bypass Canal – Phase II - COMPLETED
- ✓ Livingston Place East and West Drainage Improvements - COMPLETED
- ✓ Cuddihy Drive and Woodvine Avenue Drainage Improvements – COMPLETED
- ✓ Geisenheimer Basin Drainage Study - COMPLETED
- ✓ Russell Street Drainage Improvements - COMPLETED
- ✓ Geisenheimer Canal Improvements - COMPLETED
- ✓ Dakin St. Pump Station - COMPLETED

See Item L for additional details regarding work for Jefferson Parish for selected projects.

We have had repeat assignments from all of our public sector clients demonstrating our capabilities to perform at a high level, regardless of the project scope. To the best of our knowledge, **all public projects have been completed within the allotted design time and to the clients' satisfaction.**

Fast turnaround time is an excellent indication of our ability to respond to the needs of our clients; **quality is attested to by the number of repeat public clients we have.** Throughout Linfield, Hunter & Junius, Inc.'s history we have maintained an excellent working relationship with each public client. This is a significant accomplishment of which we are very proud.

Major continuing repeat public clients include:

- ✓ Jefferson Parish since 1991 (31 years)
- ✓ The Port of New Orleans since 1971 (51 years)
- ✓ U.S. Army Corps of Engineers since 1973 (49 years)
- ✓ Plaquemines Parish Government since 1973 (49 years)
- ✓ City of New Orleans since 1974 (48 years)
- ✓ U.S. Navy, Southern Division since 1975 (47 years)
- ✓ Sewerage & Water Board of New Orleans since 1979 (43 years)
- ✓ Tangipahoa Parish since 2006 (16 years)

Below is a sampling of awards and commendations our projects have received:

- The New Orleans District of the Corps of Engineers gave Linfield, Hunter & Junius, Inc. a rating of “**Excellent**” for the \$38 million Hollygrove Area Drainage Improvements project.
- The Vicksburg District of the Corps of Engineers recently formally rated the firm's performance as “**Highly Recommended**”.
- A City of New Orleans department director recently told us (and others) that **Linfield, Hunter & Junius, Inc. should be used as the example for other consulting engineering firms to emulate.**
- The Board of Commissioners of the Port of New Orleans recently commended the firm's “**outstanding professional services**” in an emergency situation, which allowed the board “to receive bids and award a construction contract in record time”.

TEC Professional Services Questionnaire

- The Corps of Engineers issued a **Certificate of Appreciation to the firm for Outstanding Service** in providing engineering support in Southeast Louisiana subsequent to Hurricane Katrina.
- The firm received a **National Honor Award** from the American Council of Engineering Companies for design of the 17th St. Canal Interim Closure Structure in 2009.
- The firm received an **Award of Excellence** for the Harvey Floodwall Project in 2009.
- The **New Orleans Business Round Table commended the firm** for the Reconstruction of Tidewater Road in 2009;
- **ACI awarded an Engineering Excellence Award** to the firm for design of the Metairie Road Bridge Project in 2000.

B. MINIMUM REQUIREMENTS FOR SELECTION

B.1 The persons or firm submitting a Statement of Qualifications shall have one (1) principal who is a professional engineer who shall be registered as such in Louisiana

Nathan J. Junius, P.E., P.L.S. has over 20 years of design experience in Civil Engineering projects including major drainage design, culvert design, roadway design, traffic design and project management.

B.2 The persons or firm submitting a Statement of Qualifications shall have a professional in charge of the project who is a professional engineer who shall be registered as such in Louisiana with a minimum of five (5) years' experience in the disciplines involved.

Nathan J. Junius, P.E. has over 10 years of design experience in Civil Engineering projects including major drainage design, culvert design, roadway design, traffic design and project management.

Robert E. Nockton, P.E. has over 25 years of design experience in Civil Engineering projects including drainage design, culvert design, roadway design, sewerage and waterline design and project management.

B.3 The persons or firm submitting a Statement of Qualifications shall have one (1) employee who is a professional engineer registered as such in Louisiana in the field or fields of expertise required for the project.

Linfield, Hunter & Junius, Inc. (LH&J) has twelve (12) full-time professional engineers registered in the State of Louisiana with over 150 years combined experience in sewerage design and roadway design. LH&J will make available as many as five (5) professional engineers for this project.

Nathan J. Junius, P.E., P.L.S. is a Professional Land Surveyor registered in Louisiana with more than twenty (20) years of experience in conducting topographic surveys. William J. Muller, P.L.S. is a Professional Land Surveyor registered in Louisiana with more than thirty (30) years of experience in conducting topographic surveys.

Closing Statement

We are extremely interested in this solicitation.

Linfield, Hunter & Junius, Inc. has extensive experience in the design of drainage improvement projects in Jefferson Parish and throughout the New Orleans Metropolitan Area.

Linfield, Hunter & Junius, Inc. has the capacity to easily absorb this project assignment.

Please give us your serious consideration.



Signature: 

Printed Name: Nathan J. Junius, P.E., P.L.S.

Title: President

Date: March 31, 2022

The Louisiana Professional Engineering and Land Surveying Board has the following information on file:

Name: Public Address:
Linfield, Hunter & Junius, Inc. 3608 18th Street, Suite 200
Metairie, LA 70002

License/Certificate Information w/ Supervision

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
EF.0000510	ACTIVE	05/23/1979	03/31/2023	Mr. Nathan John Junius # PE.0031843 - Active

The Louisiana Professional Engineering and Land Surveying Board has the following information on file:

Name: Public Address:
Linfield, Hunter & Junius, Inc. 3608 18th Street, Suite 200
Metairie, LA 70002

License/Certificate Information w/ Supervision

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
VF.0000532	ACTIVE	06/15/2004	09/30/2022	Mr. Nathan John Junius # PLS.0004958 - Active

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