DAKIN STREET CORRIDOR

JEFFERSON PARISH DISTRICT 5 STREETS RECONSTRUCTION

JEFFERSON PARISH

EAST AND WEST LIVINGSTON ROADWAY IMPROVEMENTS

Jefferson Parish
State of Louisiana

STATEMENT OF QUALIFICATIONS

ROUTINE ENGINEERING SERVICES
FOR STREET PROJECTS

SOQ NO. 24-021
RESOLUTION NUMBER: 144319

JULY 16, 2024

LINFIELD, HUNTER & JUNIUS, INC.

24M-087

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

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

Ralph W. Junius, Jr., P.E.
Nathan J. Junius, P.E., P.L.S.
Anthony F. Goodgion, P.E.
Nathan D. Hills, 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.
Vincent J. Leco, III, P.E.
Eric R. Wright, P.E.
Timothy J. Roth, P.E.
Luis F. Sosa, P.E.
Richard A. Van Wootten, P.E.

July 16, 2024

Jefferson Parish Council
200 Derbigny Street, Suite 6700
Gretna, LA 70053

RE: Statement of Qualifications
Routine Engineering Services for Streets Project
Resolution No. 144319 – SOQ No. 24-021
Our File #: 24M-087

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

LH&J is well qualified to provide the services required for this project. Our Team is made up of over 20 professionals and a support staff of over 30 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/dlm

Enclosures

TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

Routine Engineering Services for Streets Projects
Resolution No. 144319
SOQ 24-021

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:

5	Administrative	__	Estimators	__	Specification Writers
1	Architects (Licensed)	__	Geologists	4	Structural Engineers
__	Chemical Engineers	__	Geotechnical Engineers	__	Graduate Engineers
7	Civil Engineers (Licensed)	__	Interior Designers	__	Project Managers
4	Construction Inspectors	__	Landscape Architects	1	Clerical
__	Ecologists	5	Land Surveyor	__	Grant/Funding Specialist
__	Electrical Engineers	__	Mechanical Engineers	__	Sanitary Engineers
8	Engineer Intern	__	Environmental Engineers	4	CADD Drafters
2	Professional Land Surveyors	1	Architect Intern	42	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

Jefferson Parish
State of Louisiana

Routine Engineering Services for Street Projects in Jefferson Parish
SOQ No. 24-021

Prime Consultant

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

Management Team

Nathan J. Junius, P.E., P.L.S., PTOE
Principal in Charge / Oversight

Mark K Annino, E.I.
Project Manager

Charles T. Knight, P.E.
Quality Assurance / Quality Control Manager

Design Team

Street / Roadway Design

John M. Jackson, P.E.
Senior Street/Roadway Engineer / Team Leader

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

Almedin Tursunovic, E.I.
Street/Roadway Engineering

Drainage Design

Robert E. Nockton, P.E.
Senior Drainage Engineer / Team Leader

Vincent J. Leco, III, P.E.
Drainage Engineer

Bridge Design

Anthony F. Goodgion, P.E.
Senior Bridge Engineer / Team Leader

Daniel A. Flores, P.E.
Senior Bridge Engineer

Eric R. Wright, P.E.
Bridge Engineer

Colin V. Landry, E.I.

Construction Administration and Resident Inspection

Bryce L. Vazquez
Resident Inspector

Brandon M. Barger
Resident Inspector

Timothy "Parker" Verlander
Resident Inspector

Land Surveying

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

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

Cooper G. Ashworth, E.I.
Survey Coordinator

Paul H. Morales, IV
Survey Party Chief

Daniel D. Bindewald
Survey Party Chief

PTOE

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

Elmer N. Darwin, P.E., PTOE

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

Project Assignment:

Principal In Charge / Oversight

Name of Firm with which associated:

LINFIELD, HUNTER & JUNIUS, INC.

Years' experience with this Firm:

23 Years of Experience with LH&J; 23 Years of Total Experience

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 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

JEFFERSON PARISH DISTRICT 5 STREETS PROJECT, METAIRIE, LA

Junius was Principal in Charge of this project. This project includes the rehabilitation of over 100 flood damaged streets on the East Bank of Jefferson Parish.

SIGNALIZATION OF HICKORY DRIVE AND SUAVE ROAD, JEFFERSON PARISH, LA

Junius was an Engineer for this project that added the signalization to a busy "T" intersection including mast arms, pedestal signals, signal loop detectors, traffic signage, crosswalk striping and turn lane striping.

TEC Professional Services Questionnaire

Nathan J. Junius, P.E., P.L.S., PTOE **Resume**
Project Assignment - Principal in Charge / Oversight

CLAIBORNE AVE. BOX CANAL I MONTICELLO CANAL TO LEONIDAS ST., NEW ORLEANS, LA
Engineer for 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 (USACE). Due to the busy nature of Claiborne, a sequenced traffic control plan was required.

BUCKTOWN WESTEND MULTI USE PATH / COMPLETE STREET, STAGE 0 FEASIBILITY STUDY, JEFFERSON PARISH/ NEW ORLEANS, LA
Junius was an Engineer on this project. Analyzing options and alignment for re-establishing a multi-use path (including a bridge over the 17th Street canal) between the Jefferson Parish Lakefront Bike Path in Bucktown and the West End area in Orleans Parish. Developed and evaluated improvements to enhance pedestrian and bicyclist access and safety along Lake Marina Drive and W. Roadway Drive in Orleans Parish.

JEFFERSON HIGHWAY STAGE 0 FEASIBILITY STUDY – ACCESS MANAGEMENT AND COMPLETE STREETS IMPROVEMENTS FOR US 90 AND LA 611 – CAUSEWAY BOULEVARD TO JEFFERSON / ORLEANS LINE, LA
Junius was Principal in Charge of this project. The primary goals of the study were to improve safety and efficiency of vehicular movement along the above mentioned corridors. The study examined various concepts that improved safety and efficiency of the vehicular traffic through the corridors consistent with the latest LADOTD policies related to access management. Potential design concepts that were considered are as follows: Roundabouts, Modifying and adding traffic signals, Adding J-Turns at existing intersections, Adding U-Turns, Adding ADA complaint pedestrian access, Adding new striping (crosswalks, stop bars, directional symbols, travel lane delineation, etc.)

LAND SURVEYING
Junius has been responsible for survey operations and daily direction of the survey crew. He was also responsible for the QA/QC of multibeam deliverables. Junius has provided virtual reference station (VRS)/ real time kinematic (RTK) surveys and 3rd Order Levels for Control as well as hydrographic multibeam surveys. Deliverables included an EM Files, ASCII Files, XYZ Files and a detailed survey report.

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

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.

17TH STREET CANAL WIDENING BETWEEN HOEY'S CANAL AND AIRLINE DRIVE, JEFFERSON PARISH / NEW ORLEANS, LA
Land Surveying Team Leader for this Jefferson Parish drainage project. Topographic surveying for the widening and concrete lining of approximately 700 feet of the 17th Street Canal between the Hoey's Canal and Airline Drive and the reconstruction of a portion of Cecil Street including subsurface drainage.

Junius is a member of the New Orleans Chapter American Society of Civil Engineers, American Public Works Association, Louisiana Engineering Society, Society of American Military Engineers, Louisiana Society of Land Surveyors and American Council of Engineering Companies of Louisiana/New Orleans Chapter. He has served as board member and president of several of these organizations.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Mark K. Annino, E.I.
Project Assignment:
Project Manager
Name of Firm with which associated:
LINFIELD, HUNTER & JUNIUS, INC.
Years' experience with this Firm:
29 Years of Experience with LH&J; 29 Years of Total Experience
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 **roadways, bridges, subsurface and major drainage structures**, water distribution systems, utility system replacement / relocation (sewer, water, drain, etc.), hydraulic structures. Annino has also been involved in the permit application process and construction administration of several of these projects.

JEFFERSON PARISH DISTRICT 5 STREETS IMPROVEMENT

Project Manager for this road and drainage project. In charge of all design and construction administration. The project consists of the rehabilitation of over 100 flood damaged streets on the East Bank of Jefferson Parish including resurfacing/replacement pavements and replacement of drainage systems.

EAST AND WEST LIVINGSTON PLACE IMPROVEMENTS, METAIRIE, LA

Project Manager for this road and drainage project. In charge of all design and construction administration. Designed the horizontal and vertical geometry of the roadway. Performed drainage calculations; designed storm sewer pipe sizes and drainage inlet spacing.

RECONSTRUCTION OF WOODVINE AND CUDDIHY DRIVE

Civil Engineering Team Leader for this road and drainage project. The construction along Cuddihy Drive included the installation of one subsurface storm drain trunk line beneath the roadway. 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 concrete pavement surface. New concrete curb were installed along both edges of the roadway. Driveway aprons were replaced from the roadway to the existing property line.

TEC Professional Services Questionnaire

Mark K. Annino, E.I. **Resume**
Project Assignment – Project Manager

RUSSELL STREET IMPROVEMENTS

Civil Engineering Team Member for this road and drainage project. Reviewed plans and specifications. This project consisted of the installation of approximately 1,100 linear feet of 45"x73" reinforced concrete arch drain pipe along Stephen Drive from Russell Street to the Soniat Canal and included construction of six junction boxes, a tie in to the concrete lined Soniat Canal, relocation of 800 linear feet of gravity sewer and associated site work. The new drain pipe was installed beneath Stephen Drive, necessitating the complete reconstruction of approximately 150 linear feet of Russell Drive (asphalt roadway) and 1,000 linear feet of Stephen Drive (concrete roadway with curbing) and sidewalk replacement.

DAKIN STREET CORRIDOR PHASES I, II & III

Civil Engineering Team Leader for this road and drainage project. This project consisted of the construction of a new corridor that will tie Jefferson Highway to Airline Drive in Jefferson Parish near the Jefferson/Orleans Parish lines. The corridor was designed in three phases. Phase I included the construction of KCS Railroad Bridge and underpass near Airline Drive including a storm drainage pump station for the underpass, ramps from Airline Drive and the signalization of Airline Drive at Dakin Street. Phase II spanned from the KCS railroad underpass to Jefferson Highway and included an 1,800 foot overpass crossing multiple railroad tracks and the at-grade multi-lane road from the overpass to Jefferson Highway including signalization of Jefferson Highway. Phase III tied the Dakin Street Corridor to L&A Road including construction of a new 32 foot wide road and subsurface drainage and the construction of ramps connecting to the Earhart Expressway.

GENERAL DEGAULLE CANAL CROSSINGS

Civil Engineering Team Leader for this road and drainage project. Designed roadway geometrics. 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.

CLUB DELUXE ROADWAY WIDENING PROJECT, HAMMOND, LA

Civil Engineering Team Member for this road and drainage project. The proposed roadway will be two through lanes with a center continuous turn lane and an eight-foot shoulder on each side of the roadway. Approximately 0.25 miles of the roadway beginning at US 51 will be **curb and gutter with subsurface storm drainage. New subsurface storm drainage** will also be installed along both sides of the highway for the remaining one and one-quarter mile of the project. The remainder of the roadway was originally slated to have open channel ditches with culverts at intersecting side roads and driveways. **The entire length of the road reconstruction will be concrete.**

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Charles T. Knight, P.E.
Project Assignment:
Quality Assurance / Quality Control Manager
Name of Firm with which associated:
LINFIELD, HUNTER & JUNIUS, INC.
Years' experience with this Firm:
16 Years of Experience with LH&J; 40 Years of Total Experience
Education: Degree(s)/Year Specialization:
University of New Orleans / BS / 1982 / Civil Engineering University of New Orleans / MS / 1988 / Civil Engineering
Active registration: Year first registered/discipline:
1986 / Civil / LA License No. PE.0022165
Other experience and qualifications relevant to the proposed Project:
Knight is a versatile civil and structural engineer with a diversified career of performing engineering designs and program and construction management for major projects in both the U.S. and overseas. **CITY-WIDE STREET, DRAINAGE AND BEAUTIFIC ATION IMPROVEMENT PROGRAM (KENNER 2030 PLAN), KENNER, LA** Knight was the **Project Manager** for this project. LH&J was selected as Program Manager of the project to ensure continuity throughout the design and construction of 13 different projects.Performed conceptual planning and design of 13 projects for the City of Kenner, LA. The projects employ Smart Growth Principals and Complete Streets concepts in the revitalization and enhancement of several key transportation corridors. Pedestrian and bicycle accommodations and safety improvements are key elements of the design solutions as well as lighting, landscape beautification and art installation. The $35 million project is expected to be completed in approximately 5 years. **CONSTRUCTION MANAGEMENT FOR VARIOUS UNITED STATES ARMY CORPS OF ENGINEERS PROJECTS** Knight is the **Project Manager** for this project. Linfield, Hunter & Junius, Inc. is providing construction management services to the United States Army Corps of Engineers for numerous levee, pump station, floodwall and SELA projects throughout the Metropolitan New Orleans and Lafayette areas. Services include engineering during construction, scheduling, cost estimation, providing full-time resident inspection, reviewing contractor submittals, evaluating contractor change order requests and responding to contractor inquiries.

TEC Professional Services Questionnaire

Charles T. Knight, P.E. **Resume**
Project Assignment – Quality Assurance / Quality Control Manager

ADDITIONAL EXPERIENCE AND QUALIFICATIONS:

PV 109.02c FLOODGATES AT US 11 AND US 90 HIGHWAY CROSSINGS, NEW ORLEANS, LA

Knight was **Senior Structural Engineer and Project Manager** for this project. This project required the engineering design and development of plans, specifications and cost estimates for two new floodgates to provide enhanced hurricane protection along the boundary of New Orleans East where the flood protection levee crosses Highway 11 and Highway 90. The floodgate at Highway 90 was designed as two separate 14 feet high x 38 feet wide roller gates with a center closure pilaster to accommodate this four lane highway. The gate at the two lane Highway 11 crossing is 10.5 feet tall and the opening width is 44 feet. The design also included pile supported concrete T-walls for storage monoliths and transition monoliths to tie into the adjoining levee. The estimated construction cost is $7.2 million and Mr. Knight performed as the Project Manager with responsibility for compliance with technical quality, schedule and budget requirements and liaison with the client and the local flood protection district.

RE-DEVELOPMENT OF THE NAPOLEON AVENUE CONTAINER TERMINAL AT THE PORT OF NEW ORLEANS, NEW ORLEANS, LA

Knight was **Senior Project Manager** for the design of all improvements and construction assistance for the 35-acre, $100 million re-development of the Napoleon Ave. Container Terminal at the Port of New Orleans, Louisiana. Nineteen separate construction packages were prepared and issued for demolition, wharves, paving, drainage, sewer, water, electrical and comm. utilities, pump stations, container cranes and buildings. Knight served as the Project Manager for the prime consultant and directed the design, coordinated the technical interfaces and managed the team's performance to scope, budget and schedule requirements.

LINCOLN BEACH FLOODWALL AND FLOODGATE, NEW ORLEANS, LA

Knight was **Senior Structural Engineer and Project Manager** for this project. This project required the engineering design and development of plans, specifications and cost estimates to upgrade approximately 1500 feet of the existing hurricane protection system. The project Right of Way is restricted by an active railroad to the North and a state highway to the South that parallel and are immediately adjacent to the flood protection system alignment. This restriction required the designers to consider several alternatives for achieving the required higher level of protection. Alternatives evaluated included an unreinforced levee section, a levee section supported by deep soil mixing and a conventional T-wall section. The concrete T-wall was selected for the final design which includes replacement of an existing floodgate. The construction is estimated to cost approximately $9.3 Million and Mr. Knight performed as the Project Manager with responsibility for compliance with technical quality, schedule and budget requirements and liaison with the client and the local flood protection district.

CONSTRUCTION SUPPORT SERVICES, PORT OF NEW ORLEANS

Knight was the **Quality Assurance / Quality Control Manager** for this project. Linfield, Hunter & Junius, Inc. has been providing construction phase services to the Port of New Orleans since 1971. In these types of support services, we routinely perform site visits, review contractor submittals, evaluate value engineering proposals, respond to unknown conditions and answer requests for information submittals. We also advise the Port on matters related to contractor progress and construction quality.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
John M. Jackson, P.E.
Project Assignment:
Senior Street / Roadway Engineer / Team Leader
Name of Firm with which associated:
LINFIELD, HUNTER & JUNIUS, INC.
Years' experience with this Firm:
9 Years of Experience with LH&J; 9 Years of Total Experience
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 **urban streets, highways, surveying**, site developments, utility expansions and relocations, storm water management systems, improvements to major drainage structures, drainage studies, green infrastructure.

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.

JEFFERSON PARISH DISTRICT 5 STREETS RECONSTUCTION, METAIRIE, LA
Full engineering services including topographic surveying, scoping, preliminary and final design, bidding, construction administration and resident inspection. This project included concrete patching, cold milling, and overlay and reconstruction of over 100 flood damaged streets (35,500 l.f.). Role: Civil Engineer

AMES BLVD. RESURFACING, MARRERO, LA
Full engineering services including topographic surveying, scoping, preliminary and final design, and bidding. The total project consists of **1,990 linear feet of roadway resurfacing.** Role: Civil Engineer

TEC Professional Services Questionnaire

John M. Jackson, P.E., **Resume**
Project Assignment – Senior Street / Roadway Engineer / Team Leader

HOLMES BOULEVARD REHABILITATION, GRETNA, LA
Full engineering services including, preliminary and final design and DOTD permitting. The total project consists of 3,490 linear feet of roadway striping, phasing, and temporary traffic control plans as well as a traffic signal relocation plan. Role: Project Manager

L&A ROAD IMPROVEMENTS, METAIRIE, LA
Full engineering services including topographic surveying and preliminary and final design for site design including roadway, drainage, and sewer and water main replacement on a large military base. Role: Civil Engineer

SUBMERGED ROAD PROGRAM – LITTLE WOODS AND WEST LAKE FOREST NEIGHBORHOODS NEW ORLEANS, LA
Full Engineering services including topographic surveying, preliminary and final design, bidding, construction administration and resident inspection. This project includes the repair or reconstruction of over 200 flood damaged streets in eastern New Orleans, including replacement of asphalt and concrete roadway, sidewalks, driveways and handicap ramps. Role: Civil Engineer

FEMA SUBMERGED ROAD PROGRAM – PLUM ORCHARD AND WEST LAKE FOREST NEIGHBORHOODS, NEW ORLEANS, LA
Full Engineering services including topographic surveying, scoping, preliminary and final design, bidding, construction administration and resident inspection. This project includes 57,650 sq.yd. of street reconstruction, concrete patching, asphalt mill/overlay, ADA ramps, incidental paving, water and sanitary sewer replacement. Role: Civil Engineer

FEMA RECOVERY ROADS PROGRAM (RR028) DESIRE GROUP C, NEW ORLEANS, LA
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**, replacement of the storm drainage system, sewer lines and water mains. Role: Project Manager

MAGAZINE STREET RECONSTRUCTION NEW ORLEANS, LA

Full Engineering services including topographic surveying, preliminary and final design, bidding, construction administration and resident inspection. The total project consists of the of **12,500 linear feet of 35' wide roadway reconstruction**, 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: Civil Engineer

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Robert E. Nockton, P.E.

Project Assignment:

Senior Drainage Engineer / Team Leader

Name of Firm with which associated:

LINFIELD, HUNTER & JUNIUS, INC.

Years' experience with this Firm:

29 Years of Experience with LH&J; 29 Years of Total Experience

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 improvements to major drainage structures, storm water management systems with green infrastructure, drainage pump stations, drainage studies, water and sewerage studies, new waterlines, new sewer lines, waterline and wastewater collection system rehabilitation and upgrades, wastewater pump station design, utility relocations, surveying and site design.

DAKIN STREET CORRIDOR PHASES I, II & III

Civil Engineer for this road and drainage project. This project consisted of the construction of a new corridor that will tie Jefferson Highway to Airline Drive in Jefferson Parish near the Jefferson/Orleans Parish lines. The corridor was designed in three phases. Phase I included the construction of KCS Railroad Bridge and underpass near Airline Drive including a storm drainage pump station for the underpass, ramps from Airline Drive and the signalization of Airline Drive at Dakin Street. Phase II spanned from the KCS railroad underpass to Jefferson Highway and included an 1,800 foot overpass crossing multiple railroad tracks and the at-grade multi-lane road from the overpass to Airline Drive including signalization of Jefferson Highway. Phase III tied the Dakin Street Corridor to L&A Road including construction of a new 32 foot wide road and subsurface drainage of the construction of ramps connecting to the Earhart Expressway.

ADDITONAL EXPERIENCE AND QUALIFICATIONS:

EAST AND WEST LIVINGSTON PLACE IMPROVEMENTS, METAIRIE, LA

Civil Engineer for this road and drainage project. Responsible for drainage design. This project consisted of the installation of new subsurface drainage along two residential streets in Old Metairie and the reconstruction of the roadway. Previously prepared the drainage master plan that identified drainage improvements needed along these streets.

RECONSTRUCTION OF WOODVINE AND CUDDIHY DRIVE

Civil Engineer for this road and drainage project. The construction along Cuddihy Drive included the installation of one subsurface storm drain trunk line beneath the roadway. 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 were installed along both edges of the roadway. Driveway aprons were replaced from the roadway to the existing property line.

RUSSELL STREET IMPROVEMENTS

Project Manager for this road and drainage project. In charge of all design and construction administration. This project consisted of the installation of approximately 1,100 linear feet of 45”x73” reinforced concrete arch drain pipe along Stephen Drive from Russell Street to the Soniat Canal and included construction of six junction boxes, a tie in to the concrete lined Soniat Canal, relocation of 800 linear feet of gravity sewer and associated site work. The new drain pipe was installed beneath Stephen Drive, necessitating the complete reconstruction of approximately 150 linear feet of Russell Drive (asphalt roadway) and 1,000 linear feet of Stephen Drive (concrete roadway with curbing) and sidewalk replacement.

MAGAZINE STREET ROADWAY IMPROVEMENTS, NEW ORLEANS, LA

Civil Engineer for this road and drainage project. Responsible for drainage design. The project removal of over 18,720 linear feet of streetcar tracks that are buried under Magazine Street. 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.

CLUB DELUXE ROADWAY WIDENING PROJECT, HAMMOND, LA

Project Manager for this road and drainage project. In charge of all design and construction administration. The proposed roadway will be two through lanes with a center continuous turn lane and an eight-foot shoulder on each side of the roadway. Approximately 0.25 miles of the roadway beginning at US 51 will be **curb and gutter with subsurface storm drainage. New subsurface storm drainage** will also be installed along both sides of the highway for the remaining one and one-quarter mile of the project. The remainder of the roadway was originally slated to have open channel ditches with culverts at intersecting side roads and driveways. **The entire length of the road reconstruction will be concrete.**

GENERAL DEGAULLE CANAL CROSSINGS, NEW ORLEANS, LA

Civil Engineer for this road and drainage project. Responsible for drainage design. 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.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Anthony F. Goodgion, P.E.
Project Assignment:
Senior Bridge Engineer / Team Leader
Name of Firm with which associated:
LINFIELD, HUNTER & JUNIUS, INC.
Years' experience with this Firm:
33 Years of Experience with LH&J; 41 Years of Total Experience
Education: Degree(s)/Year Specialization:
Louisiana State University / B.S. / 1983 / Civil Engineering
Active registration: Year first registered/discipline:
1991 / Civil / LA License No. PE.0024466
Other experience and qualifications relevant to the proposed Project:

Goodgion is experienced in designing and managing a diverse array of structural and civil engineering projects including many bridges, building types, docks, dolphins, buoys, commercial and industrial structures and condition surveys. He is past Chairman of the ASCE New Orleans Branch Structures Committee, Serves on the Board of Directors of the Society of American Military Engineers (SAME) Louisiana Post, is a member of American Concrete Institute (ACI), American Welding Society (AWS) and the American Railway Engineering and Maintenance of Way Association (AREMA). A brief description of his relevant work experience follows:

Bridge Design Experience

METAIRIE ROAD BRIDGE REPLACEMENTS
Lead Bridge Engineer for the $5.9 Million Replacement of the Metairie Road Bridge using AASHTO concrete girders. A temporary bridge was also designed and constructed to maintain traffic during the bridge replacement project.

DAKIN STREET CORRDIOR PHASE II
Senior Bridge Engineer for the Dakin Street Corridor project with responsibility for structural design of the 1,800 foot long by 40 foot wide clear overpass bridge roadway at 30 feet above grade and the new railroad bridge.

GENERAL DEGAULLE CANAL CROSSINGS
Lead Bridge Engineer for General DeGaulle box culvert canal crossing. The roadways over the canal crossings were removed and replaced with a new roadway in accordance with AASHTO standards. The structural designs were prepared in compliance with all aspects of AASHTO LRFD and LA DOTD's Bridge Design Manual.

TEC Professional Services Questionnaire

Anthony F. Goodgion, P.E. **Resume**
Project Assignment – Senior Bridge Engineer / Team Leader

ADDITIONAL EXPERIENCE AND QUALIFICATIONS:

IHNC SURGE BARRIER
Project Manager and Lead Bridge Engineer for the two Vehicular Access Ramps at the IHNC Surge Barrier. The cast in place North and South Ramps are 520 feet and 430 feet in length, respectively

GOLDEN MEADOW PUMP STATION
Project Manager and Lead Bridge Engineer for a 3-span 75 foot long pre-cast bridge for a canal crossing at the Golden Meadow Pump Station.

WASKEY BRIDGES
Project Manager and Engineering Consultant for Waskey, Inc. to perform engineering designs and special Load Rating Analyses for a number of non-typical pre-cast concrete bridges produced by Waskey, Inc.

GENTILLY BOULEVARD AND LEON C. SIMON BRIDGE REPLACEMENTS
Project Manager and Lead Bridge Engineer for the $7.2 Million Replacement of Gentilly Boulevard and Leon C. Simon Bridges. Project involved a detailed Preliminary Engineering Study to identify and evaluate multiple replacement alternatives. Designs and Plans and Specifications were prepared for the selected alternative.

Other Relevant Experience:

- Lead Structural Engineer and Project Manager for the $205 Million 17th Street Canal Breach Repairs, Interim Closure Structure and Pump Station. The project was designed and constructed in multiple phases under extremely adverse conditions immediately following Hurricane Katrina. Unique structural designs were developed to facilitate rapid fabrication and installation of the emergency repairs.
- Senior Structural Engineer for $40 Million Hollygrove Area Drainage Improvements Project for the New Orleans District Corps of Engineers. Project consists of 8,500 feet of covered canals, new 250 cfs drainage pump station. Received an “Excellent” overall rating and an “Outstanding” Rating on 17 out of 19 categories (none less than Satisfactory) on Consultant Performance Review. Received “Outstanding” rating for Project Management and Adherence to Schedules.
- Project Manager for all of the $225 Million Orleans Parish Pump Station (OSP) storm proofing and fortification projects consisted of strengthening and enhancing the existing Sewerage and Water Board of New Orleans storm water pump stations across the New Orleans area. The project is managed by the Hurricane Protection Office (HPO) which is a division of the U.S. Army Corps of Engineers. There are approximately thirty (30) separate drainage campuses with multiple buildings on site that range from the late 1800’s- 2002. Most of the older facilities where built without any current modern day building codes and had to have extensive enhancements for flood and wind.
- Project Manager for Inspection, Structural Analysis, Emergency Repairs, and Long-term Repairs for 6 wharves for the Board of Commissioners, Port of New Orleans: 1994-1996 Nashville “A”, First Street, Perry Street, Henry Clay, Louisiana Avenue and Dwyer Road Wharves. Approximately $9 million in repairs.
- Project Manager & Lead Structural Engineer for the Milan Street, Napoleon Avenue Open & Napoleon Avenue C wharf analysis for Gateway Terminals, Inc.: Analysis of existing wharf structures for 300 ton truck crane.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Casey M. Genovese, P.E.
Project Assignment:
Senior Street / Roadway Engineer
Name of Firm with which associated:
LINFIELD, HUNTER & JUNIUS, INC.
Years' experience with this Firm:
19 Years of Experience with LH&J; 19 Years of Total Experience
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 paving, roadway work, drainage and utility work and traffic design.

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 design** 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.

Casey M. Genovese, P.E. **Resume**
Project Assignment – Senior Street /Roadway Engineer

ADDITIONAL EXPERIENCE AND QUALIFICATIONS:

Genovese is in charge of the traffic work for all CVS/Pharmacy projects. 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: Traffic Impact Analysis and George Avenue Road Design

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

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Almedin Tursunovic, E.I.

Project Assignment:

Street / Roadway Engineering

Name of Firm with which associated:

LINFIELD, HUNTER & JUNIUS, INC.

Years' experience with this Firm:

2 Years of Experience with LH&J; 2 Years of Total Experience

Education: Degree(s)/Year Specialization:

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

Active registration: Year first registered/discipline:

2022 / Civil / LA License / EI.0035219

Other experience and qualifications relevant to the proposed Project:

Tursunovic is a civil engineer intern with two years of experience. He has worked on various civil and structural engineering projects and has been a survey crew member on many topographic, boundary and hydrographic surveys.

FEMA RECOVERY ROADS PROGRAM (RR028) DESIRE GROUP C, NEW ORLEANS, LA
Engineer Intern**.** The total project consists of **20,585 linear feet of roadway reconstruction and rehabilitation**, replacement of the storm drainage system, sewer lines and water mains.

FEMA SUBMERGED ROAD PROGRAM – PLUM ORCHARD AND WEST LAKE FOREST NEIGHBORHOODS, NEW ORLEANS, LA
Engineer Intern. This project includes **57,650 sq.yd. of street reconstruction,** concrete patching, asphalt mill/overlay, ADA ramps, incidental paving, water and sanitary sewer replacement. Role: Civil Engineer

DOLLAR GENERAL STORES, VARIOUS LOCATIONS, TX
Engineer Intern. Site developments for Dollar General Stores at various locations throughout Texas. These site developments consist of parking lot design, site water and sewerage, drainage and stormwater management systems including detention storage.

TRACTOR SUPPLY STORES, VARIOUS LOCATIONS, LA
Engineer Intern**.** Site developments for Tractor Supply Stores at various locations throughout Louisiana. These site developments consist of parking lot design, site water and sewerage, drainage and stormwater management systems including detention storage.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Vincent J. Leco, III, P.E.
Project Assignment:
Drainage Engineer
Name of Firm with which associated:
LINFIELD, HUNTER & JUNIUS, INC.
Years' experience with this Firm:
4 Years of Experience with LH&J; 4 Years of Total Experience
Education: Degree(s)/Year Specialization:
University of New Orleans / 2019 / BS / Civil Engineering
Active registration: Year first registered/discipline:
2023 / Civil / LA License No. PE.0047935
Other experience and qualifications relevant to the proposed Project:

Leco has been working at Linfield, Hunter & Junius, Inc. since he graduated from the University of New Orleans in 2019. His experience with the firm is in design of civil projects such as **urban streets, highways, surveying**, site developments, utility expansions and relocations, storm water management systems, improvements to major drainage structures, and drainage studies.

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.

VULCAN STREET, HARVEY, LA

Engineer Intern, assisted in 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, P.E. **Resume**
Project Assignment – Drainage Engineer

HOLMES BLVD. REHABILITATION, GRETNA, 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.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Daniel A. Flores, P.E.

Project Assignment:

Senior Bridge Engineer

Name of Firm with which associated:

LINFIELD, HUNTER & JUNIUS, INC.

Years' experience with this Firm:

16 Years of Experience with LH&J; 16 Years of Total Experience

Education: Degree(s)/Year Specialization:

University of New Orleans / B.S. / 2009 / Civil Engineering
University of New Orleans / MS / 2013 / Civil Engineering

Active registration: Year first registered/discipline:

2013 / Civil / LA License No. PE.0038154

Other experience and qualifications relevant to the proposed Project:

Flores is an accomplished structural engineer with extensive experience performing the design of various types of bridges that comply with AASHTO criteria. He is a member of the American Society of Civil Engineers (ASCE). He has experience in the analyses of existing bridges and docks as well as the design and preparation of plans and specifications for new facilities. He has participated in the engineering design of bridges, floodwalls, floodgates, levees, dewatering bulkheads, pumping stations and other types of structures.

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

Flores acted as a **Senior Bridge Engineer** in this project. He assisted with the structural design and MicroStation CADD drafting of the Safe House, North (GIWW) and South (MRGO) T-wall structures, the North and South Access Ramps and Dewatering Bulkheads. The North and South Access ramps consist of 37 – 25 foot span, cast in place reinforced concrete deck bridge. The access ramps provide access from existing grade to El +26.0 on the north side of the GIWW and the south side of the MRGO. The bridge was designed for one way traffic and a design speed of 15mph. Responsibilities include assisting in the design of the slabs, bents and pile caps support AASHTO HS20-44 loading and wave loads/uplift loads due to a hurricane surge in accordance with the latest COE Hurricane Design guidelines. Also, participated in engineering during construction to review shop drawings and help resolve construction related problems.

TEC Professional Services Questionnaire

Daniel A. Flores, P.E. **Resume**
Project Assignment – Senior Bridge Engineer

LAROSE TO GOLDEN MEADOW, LOUISIANA FOR USACE | NEW ORLEANS DISTRICT

Flores acted as a **Senior Bridge Engineer** in this project. He assisted with the engineering and design, as well as the Engineering During Construction for this USACE Hurricane Protection project that consisted of over 8,000 LF of T-wall, large steel floodgates, drainage, roadways, sluice gates, marine fender system, dolphins, boat ramps, architecture. Project alignment and design criteria changed and redesigned after Katrina. Project included the replacement of the main access bridge at the Golden Meadow Pump Station. The access bridge consists of five span 25' x 30' wide precast concrete deck with a total length of 125ft. Assisted in design of slab, bents and concrete piles to support the AASHTO HS20-44 truck load and to meet the COE design standards for pile foundations. Also participated in engineering during construction to review shop drawings and help resolve construction related problems.

SABINE NATIONAL WILDLIFE REFUGE VASTAR ROAD BRIDGE AND BRIDGE OF NORTHLINE CANAL, LOUISIANA

Flores acted as a **Senior Bridge Engineer** in this project. He was responsible for the design of the precast concrete slab and precast capsill beams per AASHTO HL-93 loading. Project consists of the replacement of two bridges; one at the Vastar Road and one at the Northline Canal of the Sabine National Wildlife Refuge. The bridges consist of three spans 23' x 24' wide crowned roadway precast concrete deck with a total length of 69ft.

BRIDGE CROSSINGS @ 20 ARPENT CANAL CROSSINGS/ST BERNARD PARISH, LA

Flores acted as a **Senior Bridge Engineer** in this project. He was responsible for the design of precast concrete slab and capsill beams to support the AASHTO HL-93 and LADV-11 loads. Project consists of the replacement of four bridges at the 20 Arpent canal crossings in St. Bernard Parish. The bridges consist of three spans, minimum span of 12ft and maximum 25ft span, 28' to 35' wide crowned roadway precast concrete deck with a total length varying between 50ft to 65ft.

TEMPORARY CONSTRUCTION ACCESS BRIDGE | PORT ARTHUR, TX

Flores acted as a **Senior Bridge Engineer** in this project. He was responsible for the structural design of the bridge precast concrete slab, concrete bents and steel H-piles as per AASHTO HL-93 loading and water current loads. Project consists of the construction of temporary access bridge at the Alligator Bayou Pump Station in Port Arthur, Texas. The bridge consists of seven span 20' x 27' wide precast concrete deck with a total length of 140ft.

DELTA LAUNCH SERVICES BAR PILOTS | VENICE, LA

Flores acted as a **Senior Bridge Engineer** in this project. He was responsible for the structural design of the precast concrete slab and overhang per the telescopic handler loading. The project consists of single span 23'x50' wide with a 7ft overhang precast concrete deck bridge.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Eric R. Wright, P.E.
Project Assignment:
Bridge Engineer
Name of Firm with which associated:
LINFIELD, HUNTER & JUNIUS, INC.
Years' experience with this Firm:
4 Years of Experience with LH&J; 4 Years of Total Experience
Education: Degree(s)/Year Specialization:
Louisiana State University/ B.S. / 2020 / Civil Engineering
Active registration: Year first registered/discipline:
2024 / Civil / LA License No. PE.0047935
Other experience and qualifications relevant to the proposed Project:

Wright has been with LH&J for four years full time since 2020 and has the following relevant experience:

POLK STREET BRIDGE, TERREBONNE PARISH, LA
Wright was a part of producing design calculations for a bridge deck and bridge bent caps for a bridge with three 23 foot spans of 29 foot clear crowned roadway with an 8 percent skew.

BAYOU SEGNETTE DRAINAGE PUMP STATION NO. 1 BRIDGE, JEFFERSON PARISH, LA
Wright assisted in analyzing and designing bridge deck and bridge bent caps for a bridge at a drainage station on Bayou Segnette.

REHABILITATION OF BERTHS 2 & 3 CITY DOCKS, PORT OF LAKE CHARLES, LA
Performed structural engineering designs and drafting on this **CMAR** project requiring Substructure Inspection, Coordination with the CMAR Contractor, Partnering, Design Constructability Reviews, Value Engineering Reviews, Cost Estimating, Detailed Design, Preparation of Plans and Specifications to demolish the existing timber pile wharf and replace with a new concrete wharf with a uniform live load capacity of 2,000 PSF and capable of supporting a Liebherr Mobil Harbour Crane LHM 550.

TEC Professional Services Questionnaire

Eric R. Wright, P.E. **Resume**
Project Assignment – Bridge Engineer

MERMENTAU RIVER GXC DELIVERY METER STATION, CAMERON PARISH, LA
In this project Wright helped analyze and design a 71 foot 8 inch by 78 foot platform to be used in an oil and gas field. Furthermore, shop drawings for the platform were created.

SUNOCO SHIP DOCK, NEDERLANDS, TX
Wright checked the structural strength of precast panels that were to be used on a ship dock. Additionally, Wright did lifting insert calculations to check the handling and transport stresses on the panel.

NASA MICHOUD ASSEMBLY FACILITY – EAST & WEST BARGE DOCK PROJECTS AND DRAINAGE PUMP STATION OUTFALL CONDITION ASSESSMENT, NEW ORLEANS, LA
LH&J has been NASA's Michoud Assembly Facility's go to marine engineering firm since 1994. Structural Engineer Intern on the recently completed inspections and assessments of the West and East Barge Docks and Mooring Dolphins. He provided calculations, repair details, assisted in writing the assessment report, and developed opinions of probable construction costs.

AVONDALE SHIPYARD REDEVELOPMENT, WESTWEGO LA
Assisted in the analysis and design for multiple parts of the project. Some of the parts include designing a new truck access ramp, a new topping for the wet docks, and also beam modifications for crane rails. Additionally, Wright worked on AutoCAD structural drawings and AutoCAD drawings for the dredging phase of the project.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Colin V. Landry, E.I.

Project Assignment:

Bridge Engineering

Name of Firm with which associated:

LINFIELD, HUNTER & JUNIUS, INC.

Years' experience with this Firm:

4 Years of Experience with LH&J; 4 Years of Total Experience

Education: Degree(s)/Year Specialization:

University of Louisiana at Lafayette/ B.S. / 2021 / Civil Engineering

Active registration: Year first registered/discipline:

2022 / Civil / LA License No. EI.0035122

Other experience and qualifications relevant to the proposed Project:

Landry has been with LH&J for four years full time since 2020 and has the following relevant experience:

CHRIS KENNEDY BRIDGE, PEARL RIVER, LA
Landry was a part of producing design calculations for a bridge deck and bridge bent caps for a bridge with two 20-foot spans of 24-foot clear crowned roadway. Landry also created the AutoCAD structural drawings.

NAVAL AIR STATION JOINT RESERVE BASE WASKEY BRIDGE, BELLE CHASE, LA
Landry was a part of producing design calculations for a bridge deck for a bridge with six 27-foot spans of 64 ft clear crowned roadway.

AVONDALE SHIPYARD REDEVELOPMENT, WESTWEGO, LA
Assisted in the analysis and design for multiple parts of the project. Some of the parts include designing a new truck access ramp and beam modifications for crane rails. Landry also worked on AutoCAD structural drawings.

TEC Professional Services Questionnaire

Colin V. Landry, E.I. **Resume**
Project Assignment – Bridge Engineering

REHABILITATION OF BERTHS 2 & 3 CITY DOCKS, PORT OF LAKE CHARLES, LA
Performed structural engineering designs and drafting on this **CMAR** project requiring Substructure Inspection, Coordination with the CMAR Contractor, Partnering, Design Constructability Reviews, Value Engineering Reviews, Cost Estimating, Detailed Design, Preparation of Plans and Specifications to demolish the existing timber pile wharf and replace with a new concrete wharf with a uniform live load capacity of 2,000 PSF and capable of supporting a Liebherr Mobil Harbour Crane LHM 550.

WILSON INVESTMENT BULKHEAD, BELLE CHASSE, LA
Assisted in the analysis and design of a cantilevered steel sheet pile bulkhead and an earthen ramp over the adjacent flood protection levee. Landry also worked on the AutoCAD drawings for the project.

DARROW SANDPIT, DARROW, LA
Created a permit application for dredging in a sandpit, including plans and cross sections

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Bryce L. Vazquez
Project Assignment:
Resident Inspector
Name of Firm with which associated:
LINFIELD, HUNTER & JUNIUS, INC.
Years' experience with this Firm:
3 Years of Experience with LH&J; 3 Years of Total Experience
Education: Degree(s)/Year Specialization:
University of New Orleans / B.S./ 2020 / Civil Engineering
Active registration: Year first registered/discipline:
N/A
Other experience and qualifications relevant to the proposed Project:

REGISTRATIONS/CERTIFICATIONS:
ATSSA – Certified Flagger/Traffic Control Technician/Traffic Control Supervisor

N SIBLEY ST. AT WEST NAPOLEON SUBSURFACE DRAINAGE IMPROVEMENTS (PHASE I II), JEFFERSON PARISH, LA
Resident Inspector for this subsurface drainage project that consisted of removing concrete walks and drives to install a new 1130 linear feet of 8" PVC/C900 Water Main, removing 1000 feet of PCC pavement to install new 24" R.C.P. drain line, and replacing 6" sewer lines with PVC on a residential street in Metairie, LA. Vazquez was responsible for monitoring the work and contractor QC and QA activities, coordinating materials testing activities, verifying contractor payment request quantities and preparation of reports summarizing daily construction activities.

FLOOD GATE REPAIRS GATES W-33 & E-07 FOR SOUTH LOUISIANA FLOOD PROTECTION AUTHORITY-EAST, NEW ORLEANS, LA
Resident Inspector for this project that consisted of demolishing sections of broken Flood Gate Wall and repairing the concrete embankment wall, column, and flood gate. Vazquez was responsible for monitoring the work and contractor QC and QA activities, recording contractor work time and train delay time, and verifying contractor payment request quantities and preparation of reports summarizing daily construction activities.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Brandon M. Barger
Project Assignment:
Resident Inspector
Name of Firm with which associated:
LINFIELD, HUNTER & JUNIUS, INC.
Years' experience with this Firm:
1 Year of Experience with LH&J; 14 Years of Total Experience
Education: Degree(s)/Year Specialization:
N/A
Active registration: Year first registered/discipline:
N/A
Other experience and qualifications relevant to the proposed Project:
Barger's 14 years of experience includes construction inspection and performing as a senior technician at a geotechnical engineering firm and as a quality control supervisor at a local construction contractor. His experience at LH&J includes: **NEW ORLEANS LANDBRIDGE SHORELINE STABILIZATION AND MARSH CREATION PROJECT, NEW ORLEANS, LA** Barger is the Construction Inspector for this **Coastal Restoration Project**. LH&J is providing construction management services, engineering during construction and resident inspection for the $14 million project that includes shoreline stabilization, earthen dike containment, dredging and marsh creation. Duties include daily oversight of construction operations, documentation of tide gages and site conditions, daily reading of marsh fill grade stakes, and preparation of daily reports.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Timothy “Parker” Verlander
Project Assignment:
Resident Inspector
Name of Firm with which associated:
LINFIELD, HUNTER & JUNIUS, INC.
Years’ experience with this Firm:
3 Years of Experience with LH&J; 3 Years of Total Experience
Education: Degree(s)/Year Specialization:
Elon University / B.S. / 2021 / Civil Engineering
Active registration: Year first registered/discipline:
N/A
Other experience and qualifications relevant to the proposed Project:

NEW ORLEANS LANDRIDGE SHORELINE STABILIZATION AND MARSH CREATION PROJECT, NEW ORLEANS, LA

Verlander was a Construction Inspector for this **Coastal Restoration Project**. LH&J is providing construction management services, engineering during construction and resident inspection for the $14 million project that includes shoreline stabilization, earthen dike containment, dredging and marsh creation. Duties included daily oversight of construction operations, documentation of tide gages and site conditions, daily reading of marsh fill grade stakes, and preparation of daily reports that summarized the construction work performed.

VULCAN STREET DRAINAGE IMPROVEMENTS, JEFFERSON PARISH, LA

Verlander was a Construction Inspector for this project that included drainage improvements along Vulcan Street between Par 3 Drive and Telestar Street including replacement of gravity sewer, two waterline offsets, replacement of concrete roadway pavement, curbing, driveways and sidewalks. Duties included daily oversight of construction operations, determining construction quantities, and preparation of daily reports that summarized the construction work performed.

CANAL STREET IMPROVEMENTS, METAIRIE, LA

Verlander was a Construction Inspector for the final phase of this project that included repaving of Canal Street and with new subsurface drainage to tie the existing drainage into the new box culvert. Duties included daily oversight of construction operations, determining construction quantities, and preparation of daily reports that summarized the construction work performed.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

William J. Muller, P.L.S.

Project Assignment:

Senior Land Surveyor / Lead Surveyor

Name of Firm with which associated:

LINFIELD, HUNTER & JUNIUS, INC.

Years' experience with this Firm:

20 Years of Experience with LH&J; 50+ Years of Total Experience

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. **Resume**
Project Assignment – Senior Land Surveyor / Lead Surveyor

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:

Cooper G. Ashworth, E.I.

Project Assignment:

Survey Coordinator

Name of Firm with which associated:

LINFIELD, HUNTER & JUNIUS, INC.

Years' experience with this Firm:

3 Years of Experience with LH&J; 3 Years of Total Experience

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 three 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:
Paul H. Morales, IV
Project Assignment:
Survey Party Chief
Name of Firm with which associated:
LINFIELD, HUNTER & JUNIUS, INC.
Years' experience with this Firm:
10 Years of Experience with LH&J; 11 Years of Total Experience
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

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
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:
Daniel D. Bindewald
Project Assignment:
Survey Party Chief
Name of Firm with which associated:
LINFIELD, HUNTER & JUNIUS, INC.
Years' experience with this Firm:
15 Years of Experience with LH&J; 15 Years of Total Experience
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 **Resume**
Project Assignment – Survey Party Chief

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 benchmarks (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:

Elmer N. Darwin, P.E., PTOE

Project Assignment:

Traffic Engineer

Name of Firm with which associated:

LINFIELD, HUNTER & JUNIUS, INC.

Years' experience with this Firm:

10 Years of Experience with LH&J; 47 Years of Total Experience

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.

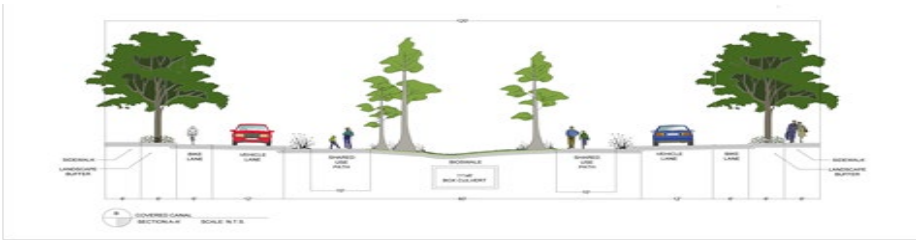
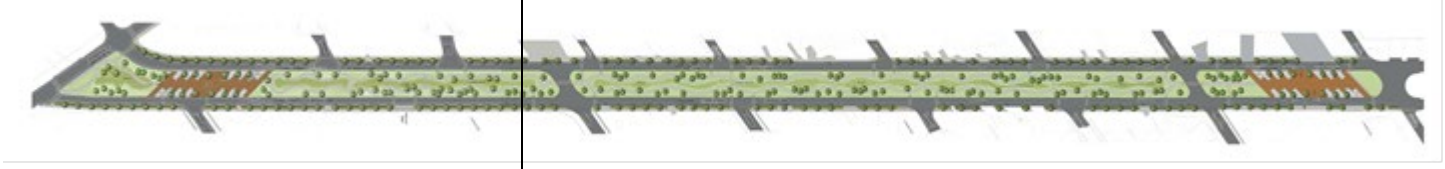
At present Darwin is a Traffic Engineering Consultant and provides the following services:

- 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

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:
Canal Street Improvements **Metairie, LA** **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** Jefferson Parish State of Louisiana **Key Relevant Features** ✓ Roadway Reconstruction ✓ Filling in Drainage Canal ✓ Installation of Box Culverts ✓ Stormwater Run-off Reduction ✓ Major Drainage Structure ✓ Subsurface Drainage ✓ Pervious Pavement ✓ Green Infrastructure ✓ Trailhead **Key Personnel** ✓ Nathan J. Junius, P.E., P.L.S., PTOE ✓ Mark K. Annino, BSCE ✓ Robert E. Nockton, P.E. ✓ Casey M. Genovese, P.E.	This project includes the **reconstruction** of a divided **roadway**, **culverting an open channel canal**, and building a Linear park from Lake Avenue to the I-10 Frontage Road and bike trailhead. The culverts consist of **two six-foot side by side articulating concrete box culverts** designed to replace the drainage volume of the open channel canal. The **roadway** was an **asphalt overlaid**. The project concept incorporates a portion of the covered canal as a trailhead for the bicycle plan and utilizes the center of the median as a **bioswale to reduce stormwater run-off.** It also has vehicular parking for visitors outside of the local neighborhood. The vehicular parking is composed of **pervious pavement** to further reduce and cleanse run-off. The bioswale contains native grasses, trees, and shrubs so that it will thrive in this environment. This vegetation is known for **absorbing and filtering** mass amounts of water throughout swamps and marshes of Louisiana. This new linear park and trailhead is a much needed amenity for the surrounding community. It is not only a park and trailhead for the parish, but is a step forward towards greening the area and using this green space to **do environmental work.** This linear park and trailhead will serve as a progressive example for other parks and greenways in utilizing green infrastructure. Services provided by the firm include topographic surveying, evaluation of the roadway, preliminary and final design, bidding, construction administration and resident inspection.  

Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2024 (E)	$13,500,000	$13,500,000

TEC Professional Services Questionnaire

PROJECT NO. 2

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:
Reconstruction of Prytania Street **New Orleans, LA** **City of New Orleans, Department of Public Works** **1300 Perdido St, Rm 6W02** **New Orleans, LA 70112** **Nguyen Phan** **(504) 658-8030**	Prytania Street serves 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. The project required the removal of over 4,000 linear feet of streetcar tracks that were buried under Prytania Street. The total project included over 4**,000 linear feet of 35' wide concrete roadway**, which included a heavy duty concrete pavement with an underlying aggregate base course. The drainage system was replaced with **4,450 linear feet of 15" to 24" drain pipes along with 62 catch basins and 32 drain manholes. Improvement of the sanitary sewer lines required 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 were also replaced.**

Key Relevant Features

- ✓ Topographic and Right-of-way Surveys
- ✓ Environmental Services
- ✓ Preliminary Design Services
- ✓ Final Design
- ✓ Construction Management
- ✓ Construction Resident Inspection
- ✓ Roadway Pavement and Base
- ✓ Subsurface Drainage
- ✓ Subsurface Utilities
- ✓ Sidewalks and Driveways
- ✓ Handicap Ramps
- ✓ Roadways Pavement Condition Assessment
- ✓ Traffic Studies

Key Personnel

- ✓ Nathan J. Junius, P.E., P.L.S., PTOE
- ✓ Mark K. Annino, E.I.

Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2010 (A)	$3,500,000	$3,500,000

TEC Professional Services Questionnaire

PROJECT NO. 3

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:
Dakin Street Corridor Phases I, II & III **Jefferson Parish, LA** **Jefferson Parish Government** **Department of Public Works** **1221 Elmwood Park Blvd** **Harahan, LA 70123** **Neil D. Schneider, P.E., CCM** **(504) 736-6833** Jefferson Parish State of Louisiana **Key Relevant Features** ✓ **Bridge Overpass** ✓ **Railroad Bridge** ✓ **Highway Ramp** ✓ **Roadway Pavement and Base** ✓ **Subsurface Drainage** ✓ **Subsurface Utilities** ✓ **Drainage Culvert** ✓ **Drainage Pump Station** **Key Personnel** ✓ **Nathan J. Junius, P.E., P.L.S., PTOE** ✓ **Mark K. Annino, E.I.** ✓ **Robert E. Nockton, P.E.** ✓ **Anthony F. Goodgion, P.E.** ✓ **John M. Jackson, P.E.** ✓ **Daniel B. Bindewald**	Linfield, Hunter & Junius, Inc. developed the Dakin Street Project from concept through construction for a network of roads, bridges and ramps connecting Airline Drive, Jefferson Highway and Earhart Expressway near the Jefferson-Orleans Parish Line. **Phase I: Construction of KCS Railroad Underpass including Railroad Bridge and underpass Roads at Airline Drive** Replacement of existing 2 span timber railroad underpass bridge with a "**Through Span" steel plate girder railroad bridge**. A **shoo-fly bridge** was built parallel to the new bridge location to allow for continuous operation of the railroad. Construction including **1,300 linear feet of underpass road** from Airline Drive to L&A Road and reconfiguration of Airline Drive to allow for left and turns onto Airline Drive and new signalization at Airline Drive. Construction also included a **new 55 CFS, 4-pump, dual lift drainage pump station** for the underpass. **Phase II: Construction of Overpass and At-Grade Roads from L&A Road to Jefferson Highway** Construction of a 40 foot clear roadway width **concrete and steel girder overpass bridge** with a **total length of 1,800 feet** and elevated 30 feet above an existing railroad track. **4,400 linear feet of at-grade roadway with 4-12 foot wide lanes, and 8 foot outside shoulders** from Jefferson Hwy to the Dakin Street Underpass including signalization at the intersection with Jefferson Hwy. **Phase III: Reconstruction and Realignment of L&A Road** Phase III provides **5,000 linear feet of 32 foot wide at-grade roadway consisting of 2-12 foot wide lanes and 8 foot outside** shoulders connecting Dakin Street to L&A Road and **800 linear feet of 16-foot wide at-grade ramps** connecting onto the Earhart Expressway. LH&J also prepared the hydraulic design of intersecting drainage structures and designed a 40 foot wide clear roadway with a three-span bridge as well as two 24 foot wide clear roadway three-span bridges consisting of 1-16 foot wide lanes, 4 foot wide outside shoulders. 

Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2025 (Phase III) (E)	$23,000,000	$23,000,000

TEC Professional Services Questionnaire

PROJECT NO. 4

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:
Magazine Street Reconstruction **New Orleans, LA** **City of New Orleans** **Department of Public Works** **1300 Perdido St, Rm 6W02** **New Orleans, LA 70112** **Nguyen Phan** **(504) 658-8030**	The project requires the removal of over 18,720 linear feet of streetcar tracks that are buried under Magazine Streets. The total project includes construction of **12,500 linear feet of 35 foot 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, requires a major realignment in order to incorporate turning lanes accessing the park's facilities. The drainage system will be replaced with 7,500 linear feet of 15" to 42" drain pipes. Improvement of the sanitary sewer lines requires the replacement of 6,950 linear feet of 8" and 10" diameter sewer pipe, sewer manholes and house service connections. Approximately 8,500 linear feet of 8" and 12" water mains will also be replaced. Linfield, Hunter & Junius, Inc. performed the topographic and right-of-way surveys, preliminary and final design, construction administration including resident inspection and coordination with utilities.  Linfield, Hunter & Junius, Inc. coordinated 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.

Key Relevant Features

- ✓ **Concrete Roadway Pavement with Base**
- ✓ **Subsurface Drainage**
- ✓ **Subsurface Utilities**
- ✓ **Sidewalks and Driveways**
- ✓ **Handicap Ramps**
- ✓ **Landscaping**
- ✓ **Roadways Pavement Condition Assessment**
- ✓ **Traffic Studies**
- ✓ **Traffic and Pedestrian Signage**
- ✓ **Vehicular and Pedestrian Signage**

Key Personnel

- ✓ **Nathan J. Junius, P.E., P.L.S., PTOE**
- ✓ **Robert E. Nockton, P.E.**
- ✓ **Mark K. Annino, E.I.**

Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2025 (E)	$11,100,000	$11,100,000

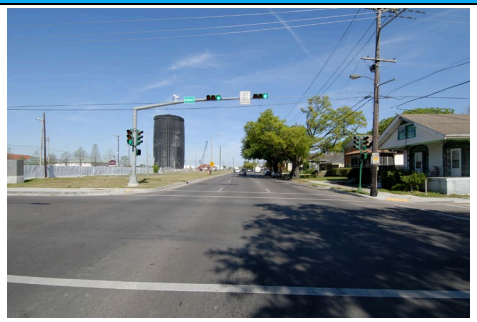
TEC Professional Services Questionnaire

PROJECT NO. 5

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:

Claiborne Avenue Box Canal I – Monticello Canal to Leonidas Street
New Orleans, LA

Sewerage & Water Board of New Orleans
8800 S. Claiborne Ave.
New Orleans, LA 70118
Stephen Nelson, P.E.
(504) 865-0650



This project is part of the Southeast Louisiana Drainage Improvement Program (SELA) headed by the New Orleans District Corps of Engineers (USACE) to improve drainage in the area.

LH&J is providing all services required for the design, including preparation of rights-of-way drawings, preparation of plans and specifications, engineering during construction, assisting the government and/or the NO S&WB in conducting public meetings, and coordination with all local, state, Federal and private authorities to construct a 20 foot wide by 10 foot deep covered canal.

This project consists of design of **2,700 linear feet of covered canal (box culvert) and approximately 5,800 linear feet of roadway reconstruction on Claiborne Avenue**. The canal work will include tie-in to the existing Monticello Canal. The tie-in includes realignment of approximately 200 linear feet of the 20 foot covered canal and construction of 150 linear feet transition structure. Utilities to be relocated to construct the new covered canal includes over 650 linear feet of 50 inch water main, over 200 feet of 24 inch water mains, over 3,000 linear feet of electrical duct banks, over 900 linear feet of storm drain pipe and over 1,000 linear feet of sanitary sewer mains. The project also includes design of a multi-phase traffic routing system, including installation of temporary traffic signals.

Key Relevant Features

- ✓ **Culvert Construction**
- ✓ **Subsurface Drainage**
- ✓ **Roadway Pavement and Base**
- ✓ **Subsurface Utilities**
- ✓ **Sidewalks and Driveways**
- ✓ **ADA Ramps**

Key Personnel

- ✓ **Mark K. Annino, E.I.**
- ✓ **Robert E. Nockton, P.E.**

Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2015 (A)	$30,000,000	$30,000,000

TEC Professional Services Questionnaire

PROJECT NO. 6			
Project Name, Location and Owner's contact information:	**Nature of Firm's Responsibility:**		
Replacement of Six Canal Crossings over General DeGaulle Boulevard Canal **New Orleans, LA** **Sewerage and Water Board of New Orleans** **8801 Claiborne Ave** **New Orleans, LA 70112** **Stephen Nelson, P.E.** **(504) 865-0650** **Key Relevant Features** ✓Roadway Pavement and Base ✓Subsurface Drainage ✓Major Culvert ✓Subsurface Utilities ✓Sidewalks and Driveways ✓Handicap Ramps **Key Personnel** ✓Nathan J. Junius, P.E., P.L.S., PTOE ✓Mark K. Annino, BSCE ✓Robert E. Nockton, P.E. ✓Casey M. Genovese, P.E. ✓Anthony F. Goodgion, P.E. ✓Daniel A. Flores, P.E.	This project required the removal of six 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 six crossings are at Wall Boulevard, Life Center Drive, Seine Drive, West Bend Parkway, McArthur Boulevard and Behrman Place on the Westbank of New Orleans. The six 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 Sewerage and Water Board of New Orleans and Louisiana Department of Transportation and Development through the Federal Aid Program (Urban System). The new culverts were hydraulically designed for a 25-year storm frequency. Each crossing included construction of a **20 foot wide by 10 foot deep concrete box culverts**, reconstruction of the **crossing concrete roadways and subsurface utilities**. Services provided by the firm included program management of the six crossings, evaluation of the roadway, preliminary and final design, bidding, construction administration and resident inspection.  		
Completion Date (Actual or estimated):	**Estimated Cost:**		
	Entire Project:	**Work for which Firm was Responsible:**	
2013 (A)	$9,050,000	$9,050,000	

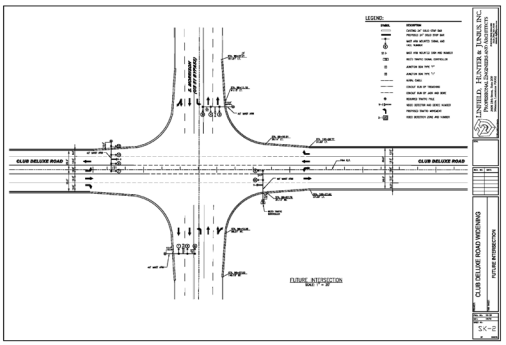
TEC Professional Services Questionnaire

PROJECT NO. 7

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:

Club Deluxe Road Widening and Elevation
Hammond, LA

Tangipahoa Parish Government
206 East Mulberry Street
Amite, LA 70422
Missy Cowart
(985) 748-3211



Key Relevant Features

- ✓ **Concrete Roadway Pavement and Base**
- ✓ **Subsurface Drainage**
- ✓ **Subsurface Utilities**
- ✓ **Sidewalks and Driveways**
- ✓ **Handicap Ramps**
- ✓ **Landscaping**
- ✓ **Roadways Pavement Condition Assessment**
- ✓ **Traffic Studies**
- ✓ **Traffic Signage**
- ✓ **Vehicular and Pedestrian Signage**

Key Personnel

- ✓ **Nathan J. Junius, P.E., P.L.S., PTOE**
- ✓ **Mark K. Annino, E.I.**
- ✓ **Robert E. Nockton, P.E.**
- ✓ **Elmer N. Darwin, P.E., PTOE**

The Club Deluxe Road Project extends from South Morrison Road east one and one half miles to Veterans Boulevard in Hammond, Louisiana. The existing road is two lanes with open channel roadside drainage with some existing subsurface storm drainage in the area of the South Morrison-Club Deluxe Road intersection.

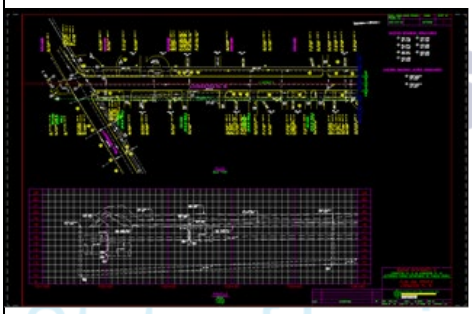
The proposed roadway will be two through lanes with a center continuous turn lane and an eight-foot shoulder on each side of the roadway. Approximately 0.25 miles of the roadway beginning at US 51 will be **curb and gutterbottom with subsurface storm drainage**. **New subsurface storm drainage** will also be installed along both sides of the highway for the remaining one and one-quarter mile of the project. **The entire length of the road reconstruction will be concrete.**

A proposed **maintenance of traffic plan** was developed which maintained two lanes of traffic at all times during construction. The proposed project includes **modification to the traffic signal at the US 51/ Club Deluxe Road intersection**. **The traffic signal was designed in accordance with LDOTD requirements since US 51 is a State maintained facility.** An LDOTD signal permit was required for the project. The signal design included development of new signal timing, new signal controller, new signal heads, new mast arms and a video detection system.

The firm is providing complete engineering services for the project including topographic and boundary surveys, preparation of plans, preparation of specifications, and cost estimating.

Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2019 (A)	$7,203,000 (est.)	$7,203,000 (est.)

TEC Professional Services Questionnaire

PROJECT NO. 8		
Project Name, Location and Owner's contact information:	**Nature of Firm's Responsibility:**	
East and West Livingston Improvements **Jefferson Parish, LA** **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** Jefferson Parish State of Louisiana **Key Relevant Features** ✓Roadway Pavement and Base ✓Subsurface Drainage ✓Subsurface Utilities ✓Sidewalks and Driveways ✓Handicap Ramps ✓Roadways Pavement Condition Assessment ✓Vehicular and Pedestrian Signage **Key Personnel** ✓Mark K. Annino, E.I. ✓Robert E. Nockton, P.E.	East and West Livingston are two residential roads in Old Metairie on the East Bank of Jefferson Parish. The drainage systems in each road were substandard resulting in heavy flooding during normal intense rainstorms. Our 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 the Parish to provide engineering services for reconstruction of the **roadway and installation of the new subsurface drains.** The project was funded by a Community Development Block Grant in the amount of $2,000,000 with remaining funds to be supplied through the Louisiana State Capital Outlay program. Services provided by the firm include topographic surveying, evaluation of the roadway, preliminary and final design, bidding, construction administration and resident inspection.   	
Completion Date (Actual or estimated):	**Estimated**	
	Entire Project:	**Work for which Firm was Responsible:**
2012 (A)	$5,000,000	$5,000,000

TEC Professional Services Questionnaire

PROJECT NO. 9	
Project Name, Location and Owner's contact information:	**Nature of Firm's Responsibility:**
Elevation of Tidewater Road Phase I Venice, LA **Plaquemines Parish Government 8056 Highway 23, Suite 205 Belle Chasse, LA 70037 Ken Dugas (504) 934-6116** **Key Relevant Features** ✓ Design of Roadways ✓ Geotechnical Design and Analysis ✓ Performed Construction Administration and Resident Inspection Services ✓ Design of Utility Relocations ✓ Designed Construction Phasing to Maintain Continuous Access for Traffic ✓ Preparation of Plans and Specs ✓ Preparation of Environmental Permits ✓ Surveying **Key Personnel** ✓ Mark K. Annino, E.I. ✓ Robert E. Nockton, P.E. 	Tidewater Road is a 3 mile long **roadway** that is the primary access **road** serving the Venice Port facilities outside of the Plaquemines Parish Hurricane Protection System in Venice, Louisiana. The Venice Port is an essential facility for servicing the Mississippi River Maritime Industry and the Offshore Oil Industry. Because it lies outside of the hurricane protection levee system, the roadway is subject to flooding during high tidal conditions. Substandard drainage systems along the roadway exacerbated the flooding problem. Access to the critical Venice Port Facilities has been severely compromised historically due to the frequent roadway flooding that occurred. Many port businesses considered leaving the Parish because there was no reliable roadway to access their facilities. The Plaquemines Parish Government retained Linfield, Hunter & Junius, Inc. to raise Tidewater Road to improve access to the Venice Port facilities. The first task undertaken by the firm was to assess the level to which the road should be raised to reduce flooding. Levels were run along the roadway and tied into nearby United States Corps of Engineers flood gages. Local businesses were interviewed to determine the frequency and depth of reported flooding. This assessment indicated that raising the roadway to elevation 5.0 NAVD 88 would reduce the occurrence of roadway flooding substantially. Significant improvement in roadside drains was also recommended. Means of raising the road were then identified and construction cost estimates were prepared. A critical consideration in developing measures to raise the road was that it is the only access route to areas below the Jump. Accordingly, vehicular traffic had to be maintained continuously during construction. Phase I improvements raised approximately 6,000 linear feet of **roadway** from the Jump to Coast Guard Road. A **detour road** was constructed to maintain traffic during construction and substantial improvements were made to roadside drainage. In addition, an old 12-inch asbestos-cement waterline was replaced with a new 12" PVC waterline the length of the project. LH&J prepared joint coastal use permit applications for this project. LH&J provided full engineering services including planning, surveying, design, assistance with permitting, bid phase, and construction phase services including resident inspection for the project.

Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2010 (A)	$9,000,000	$9,000,000

TEC Professional Services Questionnaire

PROJECT NO. 10

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:
Jefferson Parish District 5 Streets Reconstruction **Jefferson Parish, LA** **Jefferson Parish Government** **Department of Public Works** **1221 Elmwood Park Blvd, Suite 906** **Harahan, LA 70123** **Neil D. Schneider, P.E., CCM** **(504) 736-6833** Jefferson Parish State of Louisiana **Key Related Features** ✓Roadway Pavement and Base ✓Subsurface Drainage ✓Sidewalks and Driveways ✓Handicap Ramps ✓Roadways Pavement Condition Assessment ✓Vehicular and Pedestrian Signage **Key Personnel** ✓Nathan J. Junius, P.E., P.L.S., PTOE ✓Mark K. Annino, E.I. ✓Casey M. Genovese, P.E.	This project consisted of rehabilitating over 100 flood damaged **streets** on the East Bank of Jefferson Parish in District 5. The **rehabilitation** included **cold milling** the existing asphalt surface and re-topping with a new asphalt surface to conform to local grades and to allow for drainage to the existing **drain inlets**, rebuilding drainage structures, constructing handicap ramps and striping where necessary. Some of the streets required full reconstruction including removal of the existing pavement and base, installing a **stone base course**, surfacing with **asphalt pavement**, installation of **concrete curb and gutterbottom** and construction of **drainage structure**. Services provided by the firm include topographic surveying, evaluation of the roadway, pavement, preliminary and final design, bidding, construction administration and resident inspection. 

Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2016 (A)	$14,500,000	$14,500,000

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 **routine engineering services for Street Projects in Jefferson Parish.** LH&J and previous firms have been providing quality engineering and architectural services for over 65 years and to Jefferson Parish since 1991. As the design engineering consultant for a number of previous roadway 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 these types of projects. Our past experience in Jefferson Parish gives us the knowledge and understanding of the needs for these types of streets projects. This along with our extensive experience in civil engineering design 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 civil engineering, roadway engineering, bridge 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 in Metairie, LA.

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.

Major continuing repeat public clients include:

- ✓ *Jefferson Parish since 1991 (33 years)*
- ✓ *The Port of New Orleans since 1971 (53 years)*
- ✓ *U.S. Army Corps of Engineers since 1973 (51 years)*
- ✓ *Plaquemines Parish Government since 1973 (51 years)*
- ✓ *City of New Orleans since 1974 (50 years)*
- ✓ *U.S. Navy, Southern Division since 1975 (49 years)*
- ✓ *Sewerage & Water Board of New Orleans since 1979 (45 years)*
- ✓ *St. Charles Parish since 1994 (30 years)*
- ✓ *Tangipahoa Parish since 2006 (18 years)*

Linfield, Hunter & Junius, Inc. (LH&J) is a premier road, paving and drainage expert in the metropolitan New Orleans area. LH&J has designed over **500,000** linear feet of roads and several miles of highway as well as hundreds of parking lots and subdivisions. Our Principal in Charge, Nathan J. Junius, P.E., P.L.S., PTOE has been in responsible charge of all the street and roadway design projects for the firm since 2012.

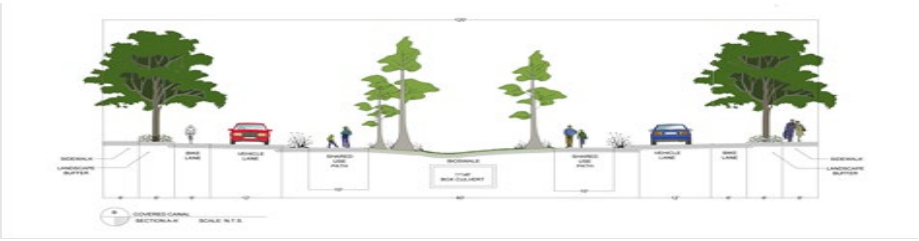
PROJECT UNDERSTANDING:

We understand that the project that may be assigned if selected may include street reconstruction and rehabilitation, bridges (single and multi-span) and drainage (culverts, subsurface, canals). Services may include roadway design (asphalt and concrete), bridge design (single and multi-span), traffic engineering, electrical engineering, (lights, traffic signals), landscape architecture, land surveying and geotechnical engineering. LH&J's team possesses all the qualifications required to perform the services required for this project.

Below is a sampling of our experience with similar projects:

❖ **Canal Street Improvements – Jefferson Parish**

This project includes the **reconstruction** of a **divided roadway**, culverting an open channel canal, and building a Linear park from Lake Avenue to the I-10 Frontage Road and bike trailhead. The culverts consist of two six-foot side by side articulating concrete box culverts designed to replace the drainage volume of the open channel canal. The **roadway** was **asphalt overlaid**. The new surface required re-sloping to improve drainage.



TEC Professional Services Questionnaire

- **Prytania Street Reconstruction – New Orleans, LA**

Prytania Street was restored in sections at a time due to the difficult nature of constructing streets in Uptown New Orleans. Part of the street required total **reconstruction of the roadway, utility relocations, installation of a new drainage system and modification of an existing traffic signal**. The **pavement work** was done in **phases** to minimize inconvenience to business and residential. The work required multi-phase traffic plans. ADA ramps were built at the intersections as required by the American with Disabilities Act.

- **Club Deluxe Road Widening and Elevation - Hammond, LA**

The Club Deluxe Road Project extends from South Morrison Road east one and one half miles to Veterans Boulevard in Hammond, Louisiana. The original road was two lanes with open channel roadside drainage.

The improved roadway was **widened** to two through- lanes with a center **continuous turn lane**, an eight-foot shoulder on each side of the roadway and new subsurface drainage on each side of the road. Approximately 0.25 miles of the roadway beginning at US 51 is now **curb and gutter bottom with subsurface storm drainage**. **New subsurface storm drainage** was also installed along both sides of the highway for the remaining one and one-quarter mile of the project. A proposed **maintenance of traffic plan** was developed which maintained two lanes of traffic at all times during construction. The proposed project included **modification to the traffic signal** at the US 51/ Club Deluxe Road intersection. The traffic signal was designed in accordance with LDOTD requirements since US 51 is a State maintained facility.

- **Magazine Street Reconstruction – New Orleans, LA**

The total project included 12,500 linear feet of 35' wide concrete roadway, which included 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, required a major **realignment** in order to incorporate **turning lanes** accessing the park's facilities.

- **General DeGaulle Canal Crossings – New Orleans, LA**

These canal crossings are part of the larger General DeGaulle Canal Improvements from Wall Boulevard to the Algiers Outfall Canal. The project included the restoration of six canal crossings in asphalt with **pavement markings, traffic signs and ADA Ramps, and turning lanes.** Three of the crossings required **modifications to the existing signals**.

- **Claiborne Avenue Resurfacing – New Orleans, LA**

This project consisted of design of 2,700 linear feet of covered canal (box culvert) and **approximately 5,800 linear feet of roadway reconstruction on Claiborne Avenue**. The canal work included tie-in to the existing Monticello Canal. Utilities relocated to construct the new covered canal included over 650 linear feet of 50 inch water main, over 200 feet of 24 inch water mains, over 3,000 linear feet of electrical duct banks, over 900 linear feet of storm drain pipe and over 1,000 linear feet of sanitary sewer mains. The project also included design of a **multi-phase traffic routing system**, including installation of temporary **traffic signals**. The project required the **resurfacing** of six lanes and two shoulders of S. Claiborne Avenue, the installation of **new pavement markers and ADA ramps**.

A. EVALUATION CRITERIA

A.1 Professional Training and Experience

Our Team is well qualified to provide the services required for this solicitation. We anticipate that the following services will be required and we have the complete team to provide all these services.

- ✓ Roadway Engineering (Asphalt and Concrete Pavement)
- ✓ Bridge Expansion (Single and Multi-span Bridges)
- ✓ Culverts (U-shape, Boxes, Etc.)
- ✓ Turning Lanes (Left, Right and U-turn Lanes)
- ✓ Drainage Engineering (Canals, Subsurface, Etc.)
- ✓ Traffic Engineering
- ✓ Land Surveying

LINFIELD, HUNTER & JUNIUS, INC.
Linfield, Hunter & Junius, Inc. (LH&J) will provide all services listed above for this solicitation.

TEC Professional Services Questionnaire

Relevant projects include: (See 10 projects in Section L)

- ✓ Canal Street Improvements
- ✓ Reconstruction of Prytania Street
- ✓ Club Deluxe Road Widening and Elevation
- ✓ Magazine Street Reconstruction
- ✓ Claiborne Avenue Box Canal I
- ✓ Replacement of Six Canal Crossings over General DeGaulle Boulevard Canal
- ✓ Dakin Street Corridor Phases I, II & III
- ✓ East and West Livingston Roadway Improvements
- ✓ Extension of Tidewater Road Phase I
- ✓ Jefferson Parish District 5 Streets Reconstruction
- ✓ Reconstruction of Woodvine Avenue and Cuddihy Drive
- ✓ Russell Street Improvements
- ✓ Hollygrove Drainage Improvements
- ✓ Louisville and Catina Street Reconstruction

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

- ✓ Professional staff with well over 150 cumulative years of experience in roadway projects (see attached resumes and project descriptions in Items K and L).
- ✓ Firm background of over 30 years of major roadway experience.
- ✓ A proven track record of completed roadway projects from feasibility studies following through to completed construction.
- ✓ Recent completion of successful roadway projects which are similar to the scope of work of these types of projects.
- ✓ A working knowledge of state-of-the-art computerized methods and procedures for studies and design.

Linfield, Hunter & Junius, Inc. has a staff of engineers with significant experience in the areas of roadway and bridge engineering. The following key personnel highlights this experience:

- Nathan J. Junius, P.E., P.L.S., PTOE / Principal in Charge – 23 years of civil engineering experience including roadway projects
- Mark K. Annino / Project Manager – 29 years of civil engineering design experience including roadways, utility relocation and subsurface drainage
- Robert E. Nockton, P.E. / Senior Drainage Engineer – 29 years of civil engineering design experience including roadways, utility relocation and subsurface drainage
- John M. Jackson, P.E. / Senior Street/Roadway Engineer – 9 years of civil engineering design experience including roadways, utility relocation and subsurface drainage
- Anthony F. Goodgion, P.E. / Senior Bridge Engineer – 41 years of structural engineering design experience including bridge design
- Daniel A. Flores, P.E. / Senior Bridge Engineer – 16 years of structural design experience including bridges

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, and Plaquemines Parish and for numerous other clients since the mid 1970's.

Traffic Engineering

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

Linfield, Hunter & Junius, Inc. has a staff of engineers with significant traffic engineering experience. The following key personnel highlights this experience:

- Nathan J. Junius, P.E., P.L.S., PTOE / Traffic Engineering Team Leader – 23 years of traffic engineering experience
- Elmer N. Darwin, P.E., PTOE / Lead Traffic Engineer – over 40 years of traffic engineering experience
- Casey M. Genovese, P.E. / Senior Roadway Engineer – 19 years of traffic engineering experience

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.

Land Surveying

Land surveying will be performed by the team of Linfield, Hunter & Junius, Inc.

Linfield, Hunter & Junius, Inc. (LH&J) has provided professional land surveying services to public and private clients throughout Southeastern Louisiana for over 20 years.

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.

Registered Surveyors

Nathan J. Junius, P.E., P.L.S.	BSCE, MSCE	23 years experience
William J. Muller, P.L.S.		40+ 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 resumes in Item K above demonstrates that the firm has the professional training and experience to provide land surveying services. Additionally, LH&J has the depth of personnel to add up to two (2) additional full-time survey crews when needed.

A.2 Size of Firm

Linfield, Hunter & Junius, Inc. employs forty-two (42) individuals, as shown in Item E above.

The size of our firms is ideal for projects such as the proposed project because:

- ✓ The team is large enough that it can absorb projects of the size of the proposed project and not become overburdened by them.
- ✓ The team 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.

A.3 Capacity for Timely Completion of Newly Assigned Work

The designs of several large projects have been recently completed or are near completion. Therefore, we have a large engineering team available. The design of needed improvements for this solicitation 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 August 2024. The 15% capacity anticipated for road projects would be very welcome and needed to maintain our current staff levels.

A.4 Past Performance by Person or Firm on Parish Contracts

The firm received its first Jefferson Parish contract in 1991 and has received over 100 contracts since then. Within the past 10 years alone we have received the following engineering projects from Jefferson Parish:

- Waterline Replacement – Shannon Lane E & W, Kendall Lane, Huntley Lane & Malvern Lane
- Waterline Replacement – N. Causeway Blvd. & Ridgelake Blvd. (Veterans Blvd. – 14th St.) and 15th St. to Veterans Blvd. (N. Causeway Blvd. – Tolmas Dr.)
- Feasibility Study for Waterline Improvements along Lapalco Boulevard - COMPLETED

- Hope Haven Natatorium
- East Bank Drainage Master Plan
- Update of the Geisenheimer Drainage Basin Study - COMPLETED
- W. Napoleon Extension to Airport Access Road
- Loumor Outfall Ditch Improvements - COMPLETED
- Vulcan Street Drainage Improvements - COMPLETED
- Vintage Boulevard Walking Trail - COMPLETED
- Bike Path along Jefferson/Orleans Parish Line
- District 4 Covered Canals Study - COMPLETED
- Ames Boulevard Resurfacing - COMPLETED
- Drainage Improvements - N. Sibley St. at W. Napoleon - COMPLETED
- Veterans Blvd. Drainage Canal Development Study - COMPLETED
- N. Hullen and Veterans Force Main Extension / Edenborn and Veterans Force Main Extensions with Lift Station Improvements - COMPLETED
- Canal Street Corridor Improvements - COMPLETED
- 17th Street Canal Improvements – Hoey's Canal to Airline Drive - COMPLETED

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

A.5 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.6 Status of Current Litigation with Jefferson Parish

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

A.7 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 successfully completed many projects of the type and nature required by this solicitation. Some of these projects are described in Item L above. Additionally, examination of Resumes in Item K describe relevant personnel experience and firm experience.

Verifiable references are listed in Item L.

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".
- 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.

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.

B. MINIMUM REQUIREMENTS FOR QUALIFICATION

B.1 The person 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.

Firm principal Nathan J. Junius, P.E., P.L.S., PTOE is a professional civil engineer registered in the State of Louisiana with over 23 years of experience in Civil Engineering projects including major water design, drainage design, culvert design, roadway design, traffic design and project management.

B.2 The person 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 of experience in the disciplines involved.

Firm principal Nathan J. Junius, P.E., P.L.S., PTOE is a professional civil engineer registered in the State of Louisiana with over 23 years of experience in Civil Engineering projects including waterline design, urban streets, major roadway design, utility and drainage design, culvert design, traffic design and project management.

B.3 The person 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. A sub-consultant may meet this requirement only if the advertised project involves more than one discipline.

Linfield, Hunter & Junius, Inc. has twelve (12) full-time professional engineers registered in the State of Louisiana with over 100 years combined experience in waterline design and traffic engineering. LH&J will make available as many as five (5) professional engineers for this project.

Nathan J. Junius, P.E., P.L.S., PTOE is a Professional Land Surveyor registered in Louisiana with more than 23 years of experience in conducting topographic surveys.

William J. Muller, P.L.S. is a Professional Land Surveyor registered in Louisiana with more than 40 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 roadway improvement projects in Jefferson Parish and throughout the New Orleans Metropolitan Area.

Linfield, Hunter & Junius, Inc. has the capacity to easily absorb any project under this solicitation.

Please give us your serious consideration.

O. To the best of my knowledge, the foregoing is an accurate statement of facts.

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

Title: President **Date:** July 16, 2024

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

Name:
Linfield, Hunter & Junius, Inc.

Public Address:
3608 18th Street, Suite 200
Metairie, Louisiana 70002

License/Certificate Information w/ Supervision

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
EF.0000510	Active	05/23/1979	03/31/2025	Mr. Ralph William Junius Jr. # PE.0016053

State of Louisiana

Board of Architectural Examiners

The firm whose name appears on this certificate is in compliance with the provisions of the Louisiana State Board of Architectural Examiners' Licensing Law and Rules and Regulations and is duly registered and entitled to practice architecture in the State of Louisiana.

CERTIFICATE OF AUTHORITY NO. AE0030 *EXPIRES* June 30, 2024

Linfield, Hunter & Junius, Inc.

President

Secretary

Executive Director

May 25, 2023
Date

$75.00
Fee Paid

(ALL CERTIFICATES BECOME DELINQUENT AFTER EXPIRATION DATE)

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, Louisiana 70002

License/Certificate Information w/ Supervision

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
VF.0000532	Active	06/15/2004	09/30/2024	Mr. Nathan John Junius # PLS.0004958 - Active