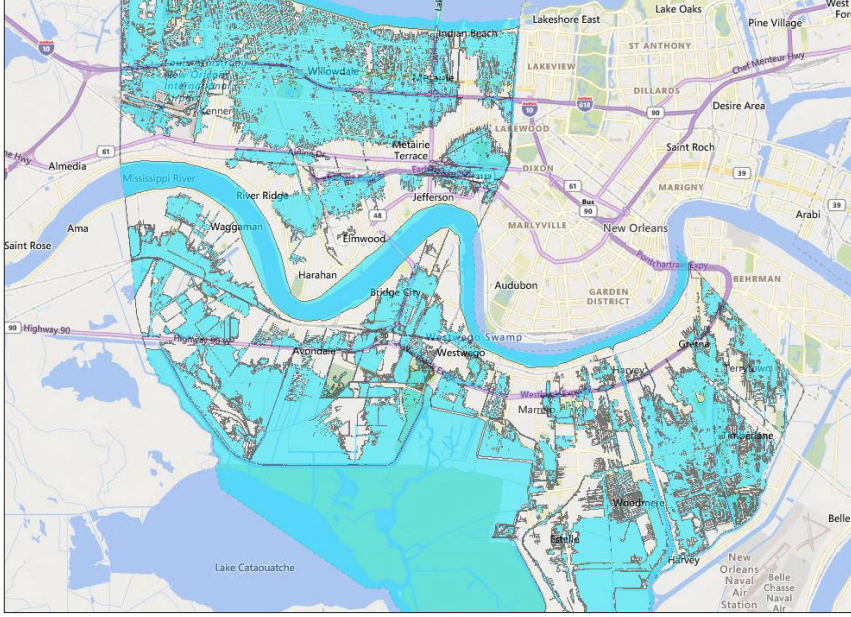


STATEMENT OF QUALIFICATIONS FOR

ROUTINE ENGINEERING SERVICES FOR DRAINAGE PROJECTS

SOQ NO. 22-011 / RESOLUTION NO. 138811

SOQ NO. 22-011 / Resolution No. 138811
Jefferson Parish
J.P. General Government Building
200 Derbigny Street, Suite 6700
Gretna, LA 70053

HNTB

HNTB Corporation
Infrastructure Solutions

2021 Lakeshore Drive, Suite 230
New Orleans, Louisiana 70122

Telephone (504) 872-3000
Facsimile (504) 872-3001

March 31, 2022

Jefferson Parish Council (Jefferson Parish)
c/o Eula Lopez, Parish Clerk
J.P. General Government Building
200 Derbigny Street, Suite 6700
Gretna, LA 70053

RE: **SOQ NO. 22-011 / Resolution No. 138811: Routine Engineering Services for Drainage Projects**

Dear Ms. Lopez and members of the selection committee,

Jefferson Parish has taken the proactive step to increase investments in infrastructure with its current Bond Initiative. This significant addition of revenues will provide the resources necessary to address long-standing transportation needs and dramatically improve existing conditions. As such, HNTB understands that a qualified team with relevant experience is needed to successfully deliver these much-needed improvements. Our proven track record is demonstrated through **our team's recent work on relevant projects**, **our highly-skilled project manager**, and **our committed local team**. We stand ready and able to assist the Parish in providing quality engineering services for drainage projects.

HNTB established a strong and effective working relationship with Jefferson Parish during the delivery of the highly-successful Paths to **Projects Program (P2P) followed by the Ridgewood Drive and Holmes Blvd projects.** We designed significant improvements, collaborated efficiently with the Department of Public Works (DPW) including the Engineering and Drainage Departments, and delivered many enhancements for the citizens of Jefferson Parish, including stormwater management and sub-surface drainage system upgrades.

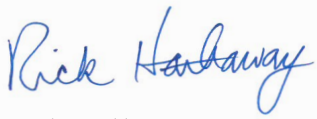
Our project manager, **Rick Hathaway, CCM**, has 40 years of experience working on state and municipal projects, including assignments with the DPW. Due to his excellent rapport, established relationships, and in-depth understanding of the Parish's expectations, he will also serve as principal liaison to critical project stakeholders. Rick, a certified construction manager (CCM), has extensive relationships within the region's construction industry and is highly respected for his in-depth technical expertise in infrastructure rehabilitation. Rick will be supported by a team of top drainage experts in the industry, ready to assist Jefferson Parish with any assignment.

The attached TEC Questionnaire expands on HNTB's background, relevant experience, qualified personnel, and understanding of the scope of work and delivery approach on any task required by the Parish. The HNTB team is ready to provide continuity of delivery of quality engineering services, and we look forward to continuing our **trusted partnership** with you in this critical endeavor.

Bryan Jones will serve as your primary point of contact for this SOQ. He can be reached at (225) 368-2881; by cell at (225) 218-3648; or by email at bryanjones@HNTB.com.

Respectfully submitted,
HNTB Corporation

Bryan Jones
Principal-in-Charge



Rick Hathaway, CCM
Project Manager

TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

Routine Engineering Services for Drainage Projects
(Resolution No. 138811)

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

HNTB Corporation
2021 Lakeshore Drive, Suite 230
New Orleans, Louisiana 70122

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:

Kate Prejean, PE
Associate Vice President
kbprejean@hntb.com
Louisiana PE #35036

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.

Randal Bonura, PE
rbonura@hntb.com
Louisiana PE #39861

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

1037	Administrative	21	Estimators	5	Specification Writers
98	Architects	0	Geologists	380	Structural Engineers
0	Chemical Engineers	60	Geotechnical Engineers	223	Graduate Engineers
1313	Civil Engineers	8	Interior Designers	692	Project Managers
470	Construction Inspectors	81	Landscape Architects	165	Clerical
0	Ecologists	0	Land Surveyor	0	Grant/Funding Specialist
28	Electrical Engineers	34	Mechanical Engineers	0	Sanitary Engineers
256	Engineer Intern	115	Environmental Engineers	0	Other
0	Professional Land Surveyors			4986	**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.
N/A

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	N/A	N/A
2. N/A	N/A	N/A
3. N/A	N/A	N/A

J. Please specify the total number of support personnel that may assist in the completion of this Project:
25

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:

Kate Prejean, PE | Associate Vice President

Project Assignment:

Professional Engineer-in-Charge

Name of Firm with which associated:

HNTB Corporation

Years' experience with this Firm:

21

Education: Degree(s)/Year/Specialization:

BS / 2000 / Civil Engineering

Active registration: Year first registered/discipline:

2009 / Louisiana Professional Engineer #35036
2009 / Mississippi Professional Engineer #19264
2005 / Florida Professional Engineer #63000

Other experience and qualifications relevant to the proposed Project:

Kate is an associate vice president and senior project manager in the transportation section of HNTB's Gulf Coast District office. She is well-versed in project planning, National Environmental Policy Act (NEPA) documentation, and project design for the Louisiana Department of Transportation and Development (LaDOTD) and other government clients. As director of preconstruction for the MOVEBR program, she is responsible for ensuring delivery of the projects from conceptual development, selection of design consultants, completion of design study and final design plans, permitting, cost estimating, right of way acquisition, budget tracking, quality assurance and quality control (QA/QC), coordination with City-Parish staff and other stakeholders. Her project experience ranges in complexity and size, from $50,000 to $5 million. Kate has served as project manager/engineer on numerous roadway design and drainage improvement projects, providing thorough QA/QC support. Her experience with LaDOTD has provided her with a vast understanding of Federal Highway Administration (FHWA) and American Association of State Highway and Transportation Officials (AASHTO) requirements and regulations. She has managed budgets, schedules, contracts, construction documents, and stakeholder communication.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Bryan Jones | HNTB's Gulf Coast Office Leader
Project Assignment:
Principal-in-Charge
Name of Firm with which associated:
HNTB Corporation
Years' experience with this Firm:
15
Education: Degree(s)/Year/Specialization:
BS / 2005 /Mass Communication–Political Communication
Active registration: Year first registered/discipline:
N/A
Other experience and qualifications relevant to the proposed Project:
HNTB's Gulf Coast Office Leader, Bryan Jones, is a strategic planning, public policy, and governmental affairs executive. He services multidisciplinary and multimodal infrastructure programs and projects. He has led the development and implementation of stakeholder outreach and community-building programs on major infrastructure programs. He also leads governmental affairs activities and elected official outreach in Louisiana and Mississippi. Bryan serves in leadership roles of several business and civic organizations, including the Louisiana Association of Business Industry, the American Council of Engineering Companies, the South Louisiana Super Region Committee, and the Louisiana Coalition to Fix Our Roads. Bryan is familiar with HNTB's contract management process and will provide oversight as necessary to ensure our clients are satisfied.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Rick Hathaway, CCM | Project Manager
Project Assignment:
Project Manager
Name of Firm with which associated:
HNTB Corporation
Years' experience with this Firm:
11
Education: Degree(s)/Year/Specialization:
BS / 1982 / Civil Engineering
Active registration: Year first registered/discipline:
2015 / Certified Construction Manager #5965
Other experience and qualifications relevant to the proposed Project:
Rick has over 28 years of experience with consulting engineers and 12 years of experience with public agencies in the roadway, drainage, utility design, and construction management. After joining HNTB, he served for six years as the construction manager for the LaDOTD's post-Katrina Submerged Roads and P2P programs rehabilitating 123 roadway segments of over 104 miles, with several segments in Jefferson Parish. He supervised the LaDOTD's contracted engineering consultants during the survey, design, quality management, and construction phases. He coordinated with Jefferson Parish staff in the engineering, drainage, streets, other public works departments, and the private utility companies serving the Parish during the program. He currently is the project manager for the two roadway design projects assigned to HNTB, Holmes Boulevard, and Ridgewood Drive. The projects include pavement removal and replacement and utility replacements, including the storm drainage system. Before joining HNTB, Rick worked for a local firm in Jefferson Parish designing several subdivisions, including roadway, storm drainage, and utilities, and designed many commercial developments on the east and west banks of the river. He is familiar with Jefferson Parish design guidelines has worked closely with the drainage department and the engineering-utilities staff to comply with run-off and detention/retention requirements.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
John Monzon, PE | Department Manager
Project Assignment:
Drainage Lead
Name of Firm with which associated:
HNTB Corporation
Years' experience with this Firm:
1
Education: Degree(s)/Year/Specialization:
BS / 1994 / Civil Engineering
Active registration: Year first registered/discipline:
2000 / Louisiana Professional Engineer #29064
Other experience and qualifications relevant to the proposed Project:
John is the civil works department manager for the New Orleans/Baton Rouge office with over 27 years of engineering experience. His focus has been on public works, flood control, drainage, highway design, coastal restoration, disaster planning, and emergency response and recovery. He is the former Regional Director of the Southeast Louisiana Flood Protection Authority-West (SLFPA-W), where he spent six years managing the flood protection assets in West Jefferson and Algiers. During his tenure, he coordinated with Jefferson Parish's drainage department during the operation of floodgates at Bayou Segnette, West Closure, and Harvey Canal prior to and after hurricane events. He has extensive knowledge of West Jefferson's drainage system, including the city of Gretna. During his tenure at Coastal Protection and Restoration Authority (CPRA), he was heavily involved with design reviews of plans by USACE to rehabilitate and stormproof pump stations in Jefferson Parish. He also reviewed plans to widen and improve interior canals for the Southeast Louisiana Urban Flood Reduction Project (SELA) in Jefferson Parish. Since Hurricane Katrina, John has been heavily involved in hurricane preparedness and has coordinated flood-fight efforts with the USACE, CPRA, LaDOTD, Jefferson Parish, the city of New Orleans, Grand Isle, and the Town of Jean Lafitte. He currently serves on the project team for the Ascension Parish FMP, which will use HEC-RAS modeling to develop flood risk reduction projects for all the watersheds in Ascension Parish. During his 14 year tenure at LaDOTD, he also reviewed plans and specifications for multiple flood control projects in East and West Jefferson.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Randal Bonura, PE | Project Engineer
Project Assignment:
Drainage and Roadway Engineer
Name of Firm with which associated:
HNTB Corporation
Years' experience with this Firm:
3
Education: Degree(s)/Year/Specialization:
BS / 2010 / Civil Engineering
Active registration: Year first registered/discipline:
2015 / Louisiana Professional Engineer #39861; 2016 / Texas Professional Engineer #123865; 2016 / Florida Professional Engineer #82055; 2017 / Mississippi Professional Engineer #28294; 2018 / Alabama Professional Engineer #37626-E
Other experience and qualifications relevant to the proposed Project:
Randal has 12 years of consulting engineering experience. As a project engineer, he performs roadway and drainage design, cost estimating, and construction administration services for projects in the Baton Rouge and New Orleans offices' transportation, civil works, and construction sections. Randal has extensive experience designing stormwater systems for roadway projects. He has developed and evaluated project alternatives, written hydraulic design reports, and prepared detailed construction plans and specifications. Randal also has experience designing sanitary sewer systems for Jefferson Parish as part of their sewer capital improvement program (SCIP). He has designed sewer force main systems and sized pumps for lift station improvements throughout Jefferson Parish.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Mike Hrzic, PE | Senior Hydraulic Engineer
Project Assignment:
Drainage Technical Lead
Name of Firm with which associated:
HNTB Corporation
Years' experience with this Firm:
16
Education: Degree(s)/Year/Specialization:
MS / 2000 / Civil Engineering (Water Resources) BA / 1997 / Physics
Active registration: Year first registered/discipline:
2017 / Louisiana Professional Engineer #42160 2018 / Mississippi Professional Engineer #29063
Other experience and qualifications relevant to the proposed Project:
Mike has more than 20 years of experience in water resources pertaining to infrastructure rehabilitation, floodplain analysis and mapping, dam safety, channel stability, environmental restoration, emergency response and pump stations. His emphasis has been on riverine systems and urban environments, with a growing focus on coastal and adaptive design and management with a changing hydrologic environment. Mike's extensive analysis capabilities include: working with riverine 1D simulation programs Hydrologic Engineering Center's-River Analysis System (HEC-RAS), HEC-6, and HEC-1 for channel hydraulic studies; and rainfall-runoff modeling programs HEC-HMS, XP-Storm Water Management Model (SWMM), and EPA SWMM for hydrologic and network modeling conditions. For more complex hydraulic design issues, he utilizes multidimensional analysis programs such as HEC-RAS 2-D, SMS ADH, SRH-2D, and FLUENT. He has significant experience in coastal design issues and using the SLOSH program and HYTRAN for transient pipe flow conditions. In addition to his extensive hydrology and hydraulic (H&H) modeling capabilities, Mike is also experienced in geographic information systems (GIS) for visualizing results, processing spatial information sets and analyzing large spatial information sets. His understanding of water resources and extensive capabilities in computer modeling and GIS and design-build knowledge enables him to provide quality evaluations and project needs assessments that incorporate the latest geospatial information.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Melissa Kennedy, PE | Senior Project Manager
Project Assignment:
Drainage Design Support
Name of Firm with which associated:
HNTB Corporation
Years' experience with this Firm:
13
Education: Degree(s)/Year/Specialization:
BS / 1985 / Civil Engineering
Active registration: Year first registered/discipline:
2014 / Louisiana Professional Engineer #39175 1990 / Illinois Professional Engineer #062-046541
Other experience and qualifications relevant to the proposed Project:
Melissa is a senior project manager in HNTB's civil works department with more than 36 years of experience. She is responsible for field investigations, studies, and design for water resources, environmental, and municipal projects ranging in size from $10,000 to more than $15 million. She has participated in relief efforts for multiple natural disasters. As a project manager, she is responsible for budget and schedule control, contractor tendering, liaising with clients, contract administration, permit acquisition, preparing reports and construction documents, and QA/QC. She was the project manager for developing the Implementation framework for the East Ascension Parish Floodplain Management Plan (FMP) and is currently leading the efforts to develop the East Baton Rouge Stormwater Master Plan (SMP), focusing on developing a flood risk mitigation plan (FRMP) building in resiliency and including climate change for both project and policy recommendations. Prior to joining HNTB, Melissa spent 15 years with USACE, where she was responsible for water resources planning, design and engineering.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Mira Para, PE | Senior Project Manager
Project Assignment:
Drainage Design Support
Name of Firm with which associated:
HNTB Corporation
Years' experience with this Firm:
2
Education: Degree(s)/Year/Specialization:
BS / 1992 / Civil Engineering
Active registration: Year first registered/discipline:
2009 / Louisiana Professional Engineer #34990 2002 / Missouri Professional Engineer #24483 1997 / Kansas Professional Engineer #14417
Other experience and qualifications relevant to the proposed Project:
Mira is a project manager with more than 30 years of experience in project management; H&H modeling; storm drainage design; drainage pump stations; flood control structures; detention basin design; ponds and lakes design; dams and levees design; erosion control design; stream bank stabilization; wastewater collection; wastewater lift stations; wastewater treatment; water distribution systems; residential and commercial development. He is a member of the American Public Works Association (APWA), World Economic Forum (WEF), Louisiana Water Environment Association (LWEA), and Society of American Military Engineers (SAME). He has served as president of the APWA Baton Rouge Branch Executive Board, president of the APWA Louisiana Chapter Executive Board, and secretary of the LWEA Collections Systems Committee. He currently serves as secretary on the APWA Louisiana Chapter Executive Board and on the national APWA Water Resources Management Committee. His positive reputation for creating high-quality designs complements his continued track record of project completion on schedule and within budget.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Daniel Tanner, PE | Project Engineer
Project Assignment:
Drainage Design Support
Name of Firm with which associated:
HNTB Corporation
Years' experience with this Firm:
3
Education: Degree(s)/Year/Specialization:
BS / 2014 / Civil Engineering
Active registration: Year first registered/discipline:
2018 / Louisiana Professional Engineer #42793
Other experience and qualifications relevant to the proposed Project:
Daniel is a project engineer in HNTB's civil works department. He has more than seven years of experience in the design and management of numerous civil works infrastructure projects throughout Louisiana, with a focus on water resources. This includes H&H modeling, detention pond analysis, storm drainage design, benefit-cost analysis (BCA), plan production, and construction administrative services. He has assembled multiple drainage studies and plan sets and has design experience using the following software: GeoHEC-RAS; HEC-RAS; HEC-HMS; HEC-SSP; HEC-FDA; Aquaveo's SMS; LaDOTD's HYDRWIN; Bentley PondPack; StormCad; Autodesk Civil 3D; and Sanitary and Storm Analysis. Daniel led the $7M effort for the channel/bridge survey, subsurface system data collection and GIS database development for the East Baton Rouge city-Parish SMP. Daniel is currently serving as the APWA Baton Rouge Branch president.

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:	
Jefferson Parish 2016 Capital Bond Program, Holmes Boulevard Rehabilitation, Gretna, Louisiana Jefferson Parish Department of Public Works Mark Drewes (504) 736-6783	HNTB performed roadway design and is currently preparing construction phase services for the Parish's Road Bond Program for Holmes Boulevard from Terry Parkway to Browning Lane. Construction includes replacing all roadway pavement to improve run-off, base course, sidewalks, driveways, curbing, adding ADA-compliant accessible ramps at all intersections, installation of a sub-surface drainage system for the permeable pavement, and permanent striping. HNTB also provided preliminary and final design, including typical sections, calculation of bid quantities, design of the access ramps, and coordination with the LaDOTD concerning standard items versus Jefferson Parish standard items. Additional services include coordinating and supervising the topographic survey and the geotechnical investigation to determine pavement recommendations.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2022 (e)	$3,000,000	$469,000

PROJECT NO. 2		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
New Orleans JIRR Program, Uptown Group B, New Orleans, Louisiana City of New Orleans Ahmed Hamed (504) 658-8000	HNTB is performing roadway design, proposal preparation, and construction administration with resident inspection for the New Orleans DPW. Through the City's Federal Emergency Management Agency (FEMA) Joint Infrastructure Recovery Request (JIRR) Program, the following roadways will undergo reconstruction: Bellecastle Street from Magazine to Coliseum; Camp Street from Robert to Valmont; Chestnut Street from Upperline to Valmont; Dufossat Street from Magazine to Coliseum; Robert Street from Magazine to Coliseum; and Soniat Street from Magazine to Chestnut. The preliminary and final design includes typical sections, hydraulic design and calculation using the LaDOTD Hydraulics program, HYDRWIN, calculation of bid quantities, and design of the access ramps. Services also include coordination and supervision of the topographic survey and the geotechnical investigation in determining pavement recommendations. Project special provisions are written to include the City of New Orleans standard details. HNTB currently manages construction administration and resident inspection services, including reviewing and approving pay estimates, quantity tracking, review and comment concerning the request for information, weekly meetings, and tasks to ensure construction progress.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2022 (e)	$4,700,000	$433,957

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. 3		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
H&H Modeling Analysis, East Baton Rouge Flood Risk Management Project, East Baton Rouge Parish, Louisiana USACE New Orleans District Clyde Barre, Jr. 504-862-2429	HNTB was tasked with determining stage and inundation differences in three watershed basins between existing and proposed project conditions for channel improvements as presented in the original USACE East Baton Rouge Flood Risk Reduction 1995 feasibility study. The watersheds included Jones Creek, Ward Creek and Blackwater Bayou. Modeling included the development of HEC-HMS models and then 1D/2D HEC-RAS models, evaluation of the design event, and seven other rainfall frequency events. The project was conducted under a highly aggressive schedule and was completed in three months. Deliverables included completed models and summary reports of the methodology, criteria, and analysis. This project required management and coordination with the multi-office team, subconsultants, and client; and included strict scheduling, document reviews, and weekly team meetings.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2019	$338,000	$338,000

PROJECT NO. 4		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Baton Rouge Louisiana Watershed Initiative (LWI) Grant Applications Baton Rouge, Louisiana City-Parish of East Baton Rouge Fred Raiford 225-389-3159	HNTB provided grant application support for five projects under Round 1 of the LWI program. HNTB prepared maps and exhibits, performed H&H analyses, utilized the FEMA BCA analysis tool, performed environmental and urban planning analyses, and developed conceptual level project designs, schedules, and cost estimates. The Ward Creek Floodplain Preservation included acquisition of 145 acres of natural forested and open floodplain land along the Ward Creek Channel. The Bayou Duplantier Floodplain Preservation included acquisition of 200 acres of natural forested floodplain land along the Bayou Duplantier Channel. The Jones Creek Detention Basin Improvements included a 65-acre detention area that provides flood relief during heavy rain events. The Dawson Creek drainage improvements included three miles of channel re-shaping and 33 acres of detention storage. The East Baton Rouge Bridges Replacement involved the replacement of two bridges in the northern part of the parish at Alphonse Forbes Road crossing Sandy Creek and at Old Baker Road crossing an unnamed tributary to Cypress Bayou. $26.3 million was approved for funding for three of the five projects.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2021	$26,300,000	$135,000

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. 5		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
St. Tammany Parish FEMA DFIRM Appeal **St. Tammany Parish, Louisiana** St. Tammany Parish Government Donna O'Dell 985-898-2552	The Parish hired HNTB to prepare the international document services (IDS) documents, a summary report of the IDS documents, and an evaluation of the levee analysis and mapping procedure (LAMP) Analysis prepared by FEMA. HNTB worked corroboratively with FEMA reviewers for the IDS reports development. Significant effort was required for data collection in obtaining the CPRA coastal analysis and documentation of the supporting data, and obtaining the FEMA 2008 coastal analysis data. The IDS documents followed a prescribed outline, as provided by the reviewers, which entailed intensive documentation of wind, land use, topography, bathymetry, tides, climate, storm events, wave data, additional coastal analysis, and detailed statistical analysis of the data. This documentation was used to develop updated still water elevations (SWEL), which is the basis for analysis moving forward in determining base flood elevations (BFE). FEMA approved the three IDS studies and summary improvement report and agreed to revise their analysis utilizing the updated data to develop Digital Flood Insurance Rate Maps (DFIRMs). A thorough review of the FEMA LAMP analysis was also completed, and a report was prepared that provided the Parish with recommendations for a new levee analysis.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2017	$392,493	$392,493

PROJECT NO. 6		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
St. Roch South Group B **New Orleans, Louisiana** City of New Orleans Ahmed Hamed (504) 658-8000	HNTB performed roadway design, proposal preparation, and construction administration with resident inspection for the City's FEMA JIRR program for the following: North Dorgenois Street from St. Roch to Franklin; Ideal Place from Painters to Franklin; Mandeville Street from North Robertson to North Claiborne; Industry Street from Allen to St. Anthony and Peace Court from St. Roch to Arts. Reconstruction included: replacing pavement and base course, concrete sidewalks, driveways, curbing, sub-surface drainage pipe construction, sanitary sewer pipe replacement, waterline replacement, and adding ADA-compliant accessible ramps at intersections. HNTB provided preliminary and final design, which included typical sections, hydraulic design, and calculations using LaDOTD's HYDRWIN, calculation of bid quantities, and design of ramps. HNTB is currently managing construction administration services.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2022 (e)	$5,500,000	$788,389

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. 7		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Southeast Louisiana Flood Protection Authority-East (SLFPA-E) Engineering IDIQ, Lake Ponchartrain and Vicinity, Louisiana SLFPA-E Ryan Foster (504) 202-0359	HNTB conducted the geotechnical analysis for the levee lift projects under contract to CPRA. HNTB used this information for the development of the plans and specifications for the LPV 00.2, 01.1 and 02.2 levee reaches for SLFPA-E. HNTB used survey provide by SLFPA-E to develop cross sections and USACE baseline for alignment. In addition to the construction documents, the HNTB team coordinated with SLFPA-E's engineering consultants for permit applications and environmental assessment for LPV levee lifts prior to armoring. HNTB provided bidding assistance, engineering support during construction, construction management and project closeout. HNTB helped SLFPA-E design slope pavement at 10 outfall canal locations where levee geometry makes maintenance difficult. HNTB's responsibilities included preliminary design, final plans and specifications and full construction documents, and 408 Permit acquisition. HNTB assisted SLFPA-E with design plans for replacement of a total of ten tripping dolphins within the Gulf Intracoastal Waterway (GIWW). HNTB provided engineering design services to develop the preliminary design, final design, permitting and bid phase services for the project.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2018	$7,300,000	$520,000

PROJECT NO. 8		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
BREC Louisiana LWI Grant Applications Baton Rouge, Louisiana BREC Reed Richard 225-273-6405 Ext 369	HNTB provided grant application/technical support services to the Recreation and Park Commission for the Parish of East Baton Rouge (BREC) for two projects: Cypress Bayou Green Infrastructure project and Bayou Manchac Green Infrastructure project. Each project received pre-application approval under Round 1 of the LWI Community Development Block Grant Mitigation (CDBG-MIT) grant program. HNTB performed H&H from models previously developed; prepared maps and exhibits; developed feasibility level project designs, schedules and cost estimates; performed cost versus benefit analyses utilizing FEMA BCA tool; performed project effectiveness calculations; and performed environmental and urban planning analyses. The Cypress Bayou project was selected to receive $4.7 million in funding under the LWI Round 1 grant program.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2021	$7,200,000	$50,000

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. 9		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
East Baton Rouge Stormwater Master Plan **Baton Rouge, Louisiana** City-Parish of East Baton Rouge Fred Raiford 225-389-3159	HNTB is leading the development of a comprehensive SMP for the City of Baton Rouge and East Baton Rouge Parish to mitigate flood risk. The plan is being developed in three primary phases, two of which have already been completed, and the third is in progress. Phase I included the development of the SMP implementation framework outlining the path forward for developing the overall master plan. The project also included evaluating and developing multiple Hazard Mitigation Grant Program (HMGP) project applications for the Parish's $80 million funding allocation. The work included: preliminary modeling; projects identification; evaluation; development; cost estimates; BCA (utilizing the FEMA BCA tool); and application preparation. FEMA has received approval on six drainage projects totaling over $40 million, and is still evaluating others.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2022 (e)	$16,000,000	$16,000,000

PROJECT NO. 10		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Ascension Parish **Floodplain Management Plan** **Ascension Parish, Louisiana** Ascension Parish Department of Public Works Ron Savoy 225-450-1335	East Ascension Consolidated Gravity Drainage District (EACGDD) #1 contracted with HNTB to develop a FMP: a resource to document known flooding problems, provide a database of flooding and drainage issues and establish overall procedures and measures for addressing flooding issues before, during and after major events. The plan includes important historical details, watershed analysis and an action plan outlining the activities and features that help manage the community's flood risks. The first task consisted of the development of an implementation plan to identify the tasks and the cost to develop the comprehensive plan. The HNTB team is currently working on the development of the FMP, expected to be completed in 2022. This effort includes survey data collection, and development of a 2D HEC-RAS model of the parish. Mitigation activities are being identified to help reduce the flood hazard risk, including concept level engineering studies. HNTB is performing BCA for the concept-level mitigation solutions to help prioritize resources effectively. The final FMP will document the overall analysis and the resulting recommendations.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2022 (e)	$3,200,000	$3,200,000

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. N/A	N/A	N/A
2. N/A	N/A	N/A
3. N/A	N/A	N/A
4. N/A	N/A	N/A

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

HNTB Corporation was established in 1914 and is a premier national engineering, architectural, and planning firm. With nearly 5,000 personnel in over 60 offices nationwide, HNTB maintains significant national expertise in infrastructure planning, design, construction, and overall program management services throughout the United States.

No other firm brings a more experienced bench of engineers and inspectors who have delivered day-in and day-out, high-quality engineering projects in the most complex environments. Since 2007, HNTB has designed, managed, and inspected more than $200 million of roadway construction in the greater New Orleans region.

HNTB is currently helping Jefferson Parish on Ridgewood Drive and Holmes Boulevard and is very familiar with Parish's staff, expectations, and procedures.

With our experienced and talented team and a 58-year history in Louisiana, HNTB stands ready to deliver the highest level of quality engineering services for Jefferson Parish. Few firms can match our experienced bench of local and national staff. Our goal is to fulfill your needs on any type of project, whether that be a simple or complex scope or a project that needs to be completed on an accelerated schedule. We have sufficient capacity to execute and deliver the most challenging and extensive projects in the Parish. We have the people, processes, and tools to ensure success.

1) Professional Training and Experience

HNTB is a multi-disciplinary firm providing infrastructure solutions for over 100 years. Our clients include Jefferson Parish, LaDOTD, the New Orleans Sewerage and Water Board, Orleans Parish, cities of Kenner and New Orleans, USACE, and other federal, state, and local agencies.

We use the latest technology to design for our clients' needs. Our experience includes using AutoCad, Microstation, GeoPak, and InRoads for roadway and site design, and LaDOTD's HYDRWIN, Autodesk Storm and Sanitary Analysis, and the suite of HEC-RAS products for hydraulics design, including drainpipe sizing and catch basin spacing. Our team brings a group of experienced drainage engineers, with additional engineers to support the many disciplines (roadway, bridge, ect.) that are linked to drainage.

Our New Orleans office alone managed more than $200 million in disaster recovery programs, designed the rehabilitation and reconstruction of federal-aid routes and neighborhood roadways, and replaced subsurface drainage, sanitary sewer, and water facilities. We have managed flood protection and levee lift projects, varying types of construction and resident inspection, watershed planning projects, roadway drainage design, and benefit cost analysis.

2) Capacity for Timely Completion

HNTB only pursues contracts where we are confident we can provide the highest quality services — this retainer contract is no exception. After carefully reviewing our workload and availability, we are confident that the staff proposed for this project can complete any project assigned under this contract for Jefferson Parish on schedule and have more than adequate capacity to complete it to your satisfaction.

HNTB will continue to have the capacity and flexibility to staff any project assigned as part of this contract with a deep bench of regional and national resources to draw from. As we have demonstrated in the past, we can shift resources to free up staff for a full-time commitment if needed.

HNTB maintains a manageable workload that does not burden our personnel and allows us to adapt to the ever-changing needs of our clients. Our management group and supporting staff consistently monitor resource allocation to ensure the most qualified resources are available to start and be effective at a moment's notice.

Our team members are immediately available and are motivated and passionate about supporting the Parish in successfully delivering this critical program.

3) Location Of The Principal Office

HNTB's responsible office for this assignment is located in New Orleans, Louisiana.

We will deliver this project from our New Orleans office, with support from specialized staff across multiple offices.

4) Adversarial Legal Proceedings

HNTB has no adversarial legal proceedings between the Parish and the person or firm performing professional services.

5) Prior Successful Completion of Projects

HNTB has extensive experience providing engineering services in Louisiana. For 58 years, HNTB has provided planning and engineering services across Louisiana for various state and municipal clients, with two full-service offices in Baton Rouge and New Orleans.

HNTB has designed, managed, and inspected more than $200 million of roadway construction in the greater New Orleans region. That's more than 119 street segments, 110 miles of roadway and sidewalks, and nearly 10,000 ADA ramps as part of the Paths to Progress/Submerged Roads Program, the Capital Improvements Programs of Jefferson Parish, and the cities of Kenner and New Orleans.

Jefferson Parish deserves access to the best and brightest of the industry, national lessons learned, and industry best practices. HNTB has led the levee certification and accreditation projects, Ascension FMP, and East Baton Rouge SMP. These projects are examples of coordination between the Parish, State, and Federal partners and demonstrates our commitment to quality, on-time, and on-budget delivery.

TEC Professional Services Questionnaire

HNTB has developed a full range of state-of-the-art management, planning, and engineering design review resources through this focus on general engineering, program management, and professional engineering services contracts. As a result, we know how to manage a contract and maximize the value for our clients.

Please reference Section L for verifiable references.

6) Size of the Firm

With nearly 50 professionals who call Louisiana home, HNTB maintains the personal service of a local firm with the national resources of a large corporation - including about 5,000 professionals nationwide. This depth of experience gives HNTB the expertise to respond to any request under this contract and the flexibility to do so quickly and efficiently.

7) Past Performance

As one of the nation's premier infrastructure solutions firms, HNTB has a sterling track record of performance on public sector projects. Throughout our 58 year history in Louisiana, HNTB has successfully completed countless projects for the LaDOTD , the Greater New Orleans Regional Planning Commission, and Jefferson, Ascension, Orleans, East Baton Rouge, and Plaquemines parishes, as well as numerous projects focusing on the conservation and protection of Louisiana's waterways with USACE New Orleans District and the Coastal Protection and Restoration Authority. HNTB has experience coordinating with public agencies such as the LaDOTD, FEMA, the FHWA, and the Federal Transit Administration (FTA).

We have no time delays, cost over-runs and/or design inadequacies to note for work completed for the Parish at this time.

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

Signature: _____ **Print Name:** Bryan Jones

Title: Principal-in-Charge **Date:** March 31, 2022

Qualifications

FIRM
HNTB Corporation

LICENSES AND REGISTRATIONS
Professional Engineer:
Louisiana #35036 (2009);
Mississippi #19264 (2009);
Florida #63000 (2005)

YEARS EXPERIENCE
22

EDUCATION
BS, Civil Engineering, Minor Construction Management
Louisiana State University

KATE PREJEAN, PE

PROFESSIONAL ENGINEER-IN-CHARGE

Kate, professional engineer in charge, is an associate vice president and senior project manager in the transportation section of HNTB's Gulf Coast District office. She is well-versed in project planning, NEPA documentation and coordination, and project design for the LaDOTD. Kate has served as project manager/engineer on numerous roadway design projects, providing QA/QC support. Her experience with the LaDOTD has provided her with a deep understanding of FHWA and AASHTO requirements and regulations. Her experience includes managing budgets, schedules, contracts, construction documents and facilitating stakeholder communication.

Project Experience

MOVEBR INFRASTRUCTURE PROGRAM, BATON ROUGE, LOUISIANA

Director of preconstruction for the $1.2 billion program of projects that was separated into a list of capacity and enhancement projects. HNTB, as a sub for the CSRS team, is responsible for the $800 million in capacity infrastructure projects on 40 roadways throughout the parish of East Baton Rouge. As director of preconstruction, she is responsible for ensuring delivery of the projects from conceptual development, selection of design consultants, completion of design study and final design plans, permitting, cost estimating, Right of way acquisition, budget tracking, QA/QC, coordination with city staff and other stakeholders. The activities include services provided by design consultants and specialty service consultants. She also monitors and coordinates schedule activities, burn rates, invoice review and approvals, among other project control activities.

I-20/I-55 INTERCHANGE, JACKSON, MISSISSIPPI

Project engineer responsible for the design of roadway alignment to realign the roadway with the proposed structure crossings over intersecting highways and the railroad, coordination with other disciplines including bridge design, hydraulics design, utility relocation, and roadway lighting, meeting the Mississippi Department of Transportation (MDOT) design guidelines, and to ensure quality reviews complete.

SUBMERGED ROADS PROGRAM, NEW ORLEANS, LOUISIANA

Project engineer for this $120 million hurricane relief program. Kate was responsible for the scope and fee development for cost estimates and financial tracking during preconstruction. She completed the construction proposal bid packages utilizing LaDOTD's LaDotNet and Trnsport. HNTB is working with the LaDOTD, FHWA and other stakeholders as the overall program manager for street repairs due to damage related to Hurricane Katrina.

BILOXI INFRASTRUCTURE REPAIR PROGRAM, BILOXI, MISSISSIPPI

Project engineer on this project, reconciling FEMA Project Worksheets (PWs), assisting with proposed versions of PWs, coordinating with design engineering consultants, reviewing design plan phase submittals and project controls efforts. Kate assisted in updating project schedules, coordinating cost-tracking efforts, and facilitating collaboration among team members. HNTB worked with the City of Biloxi, FEMA, Mississippi Emergency Management Agency (MEMA), and MDOT as Program Manager for infrastructure improvements to sewer, water and drainage facilities damaged as a result of Hurricane Katrina.

Qualifications

FIRM
HNTB Corporation

LICENSES AND REGISTRATIONS
N/A

YEARS EXPERIENCE
18

EDUCATION
BS, Mass Communication–Political Communication, Louisiana State University

BRYAN JONES

PRINCIPAL-IN-CHARGE

Bryan is a strategic planning, public relations, and governmental affairs executive located in HNTB's Baton Rouge office who services transportation programs and projects of all modes. Bryan manages a variety of transportation planning projects and leads the development and implementation of stakeholder outreach programs on major infrastructure programs. He leads governmental affairs activities and elected official outreach in Louisiana and Mississippi and serves as HNTB's Gulf Coast Deputy Office Leader.

Project Experience

EAST BATON ROUGE STORMWATER MASTER PLAN, BATON ROUGE, LOUISIANA

Principal advisor for governance, elected official coordination and community outreach for this parish-wide comprehensive SMP. Key stakeholder organizations include governments at all levels, including the Mayor-President; Metro Council; state legislative delegation; the cities of Baker, Central, and Zachary; and federal officials, among other organizations, including homeowner associations. Outreach tasks include the preparation of materials for public dissemination through various media.

SUBMERGED ROADS PROGRAM, NEW ORLEANS, LOUISIANA

Responsible for overseeing all agency coordination, public relations and community outreach activities associated with the LaDOTD-administered $120 million street repair program. Outreach components included client, elected official, and business leader communication; engaging and keeping local residents informed of program milestones and progress; creating quarterly and annual program brochures and reports; and maintaining the program's public website. He also assisted with media relations in communicating the program to local, regional, state and national audiences and led all government relations activities associated with the program.

BILOXI INFRASTRUCTURE REPAIR PROGRAM, BILOXI, MISSISSIPPI

Project advisor for developing a parish-wide SMP that combines local drainage and floodplain management into an overall comprehensive plan. The project aims to better manage the risk of floods, protect people and property, maintain and enhance natural floodplains, effectively use water and related land resources, and provide clear guidance on development within the floodplain. The project's initial phase was the development of the Implementation Framework, including extensive existing data collection and gap analysis; evaluation of data; risk analysis; plan outline and overall cost estimate. The primary phase of the project consists of the development of a HEC-RAS 2D model of the entire parish that was utilized for the development of HMGP applications as well as data collection and GIS database development for 11 watersheds, preliminary ordinance review, HEC-RAS 1D/2D modeling, PCSWMM modeling, a public engagement program and project identification and development. Responsibilities include assisting the project manager with coordination and management of all phases and tasks of various design offices and subconsultants and management of the public engagement and elected official coordination tasks.

Qualifications

FIRM
HNTB Corporation

LICENSES AND REGISTRATIONS
Certified Construction Manager #5965 (2015)

YEARS EXPERIENCE
40

EDUCATION
BS, Civil Engineering, University of New Orleans, Louisiana

RICK HATHAWAY, CCM

PROJECT MANAGER

Rick has more than 28 years of consulting engineering and 12 years of government engineering experience. Prior to joining HNTB, he served as construction manager at the local level for a global consulting firm. Throughout his career, he has been responsible for designing and managing projects and service areas involving civil, transportation, municipal, commercial, and subdivision development engineering in New Orleans, Baton Rouge, and Southeast Louisiana. As construction manager, Rick was responsible for construction activities of the SRP and P2P of Southeast Louisiana, including project reviews, contracting, construction management, site inspection, and quality management. He also managed the $200 million budget that spanned 123 segments and 104 miles of roadway.

Project Experience

URBAN SYSTEMS PROGRAM, RIDGEWOOD DRIVE REHABILITATION, METAIRIE, LOUISIANA

Project manager and QA/QC for the $1.2 million roadway reconstruction project and is responsible for reviewing project plans and specifications, including preliminary and final submittals for accuracy and compliance with the LaDOTD general specifications and standard plans, roadway design guide and general construction practices. He coordinates with Jefferson Parish staff for non-standard accessible ramp design and utility-related issues to ensure all utility agencies and companies are notified of the project so that proper coordination and utility relocation can be accomplished without conflict.

JEFFERSON PARISH 2016 CAPITAL BOND PROGRAM, HOLMES BOULEVARD REHABILITATION, GRETNA, LOUISIANA

Project manager and QA/QC for the $3 million roadway reconstruction project responsible for the review of project plans and specifications. Tasks include preliminary and final submittals for accuracy and compliance with the Jefferson Parish standard plans and specifications, LaDOTD general specifications and standard plans, roadway design guide and general construction practices. Coordinates with Jefferson Parish staff for all Parish responsible items including non-standard accessible ramp design and utility related issues.

URBAN SYSTEMS PROGRAM (4 M'S), MARCONI DRIVE, MARTIN LUTHER KING JR. BOULEVARD, MORRISON ROAD I AND II, NEW ORLEANS, LOUISIANA

Project manager for the $17 million roadway reconstruction projects and is responsible for reviewing project plans and specifications, including preliminary and final submittals for accuracy and compliance with the LaDOTD general specifications and standard plans, roadway design guide and general construction practices. He coordinates with the City of New Orleans staff for non-standard accessible ramp design and utility-related issues.

SUBMERGED ROADS PROGRAM, NEW ORLEANS, LOUISIANA

Construction manager for the $118 million roadway rehabilitation program, responsible for construction activities, including project reviews, utility agency coordination, contracting, site inspection, supervision of inspection staff, project financial controls and QA/QC. He ensured drainage modifications were made as necessary and supervised plan completion.

Qualifications

FIRM
HNTB Corporation

LICENSES AND REGISTRATIONS
Professional Engineer:
Louisiana #29064 (2000)

YEARS EXPERIENCE
28

EDUCATION
BS, Civil Engineering,
University of New Orleans

JOHN MONZON, PE

DRAINAGE LEAD

John is the civil works department manager for HNTB's Louisiana offices with over 28 years of engineering experience. His focus has been on flood control, drainage, and coastal restoration. He is the former Regional Director of the SLPFA-W, where he spent six years managing the flood protection assets in West Jefferson and Algiers. During his tenure, he coordinated with Jefferson Parish's drainage department during the operation of floodgates at Bayou Segnette, West Closure, and Harvey Canal prior to and after hurricane events. During his tenure at CPRA, he was heavily involved with design reviews of plans by USACE to rehabilitate and stormproof pump stations in Jefferson Parish. Since Hurricane Katrina, John has been heavily involved in hurricane preparedness and has coordinated flood-fight efforts with the USACE, CPRA, LaDOTD, Jefferson Parish, the city of New Orleans, Grand Isle, and the Town of Jean Lafitte.

Project Experience

ASCENSION PARISH FLOODPLAIN MANAGEMENT PLAN ASCENSION PARISH, LOUISIANA

Project manager for the $2.6 million FMP to better manage the risk of flooding, protect people and property, maintain and enhance natural floodplains, make effective use of the water and related land resources within the floodplain and provide clear guidance of development considerations within the floodplain. His responsibilities included coordination of all tasks, design criteria development, H&H modeling, flood hazard identification, modeling proposed mitigation strategies, BCA, and report write-up documenting all findings. He also schedules steering committee meetings and keeps elected officials abreast of progress and obstacles.

SOUTHEAST LOUISIANA FLOOD PROTECTION AUTHORITY WEST, MARRERO, LOUISIANA

Regional director responsible for overseeing and managing two levee districts with over 50 employees. He oversaw the operations and maintenance of 80 miles of hurricane and Mississippi river levees in Algiers and West Jefferson. Scope included inspections, repairs, levees, pump stations, and improvements in sector gates. Additional responsibilities were providing yearly budgets to the board of commissioners and attending public meetings to provide information to stakeholders, elected officials, and the news media. He successfully launched a public education campaign to renew 6.5 miles in Algiers (2015) and 4.75 miles in West Jefferson.

COASTAL PROTECTION AND RESTORATION AUTHORITY, BATON ROUGE, LOUISIANA

Operations division chief responsible for managing flood protection, emergency planning, and response and coastal restoration.

- **Flood Protection:** Construction oversight and technical review of the $14.5 billion Hurricane Storm Damage and Risk Reduction System (HSDRRS) in New Orleans. Technical assistance to levee districts for flood protection. Liaison between flood protection entities and USACE for levee accreditation. Construction activity review through the letter of no objection/permit review process.
- **Coastal Restoration**: Managed three field offices with more than 50 employees. Performed construction inspections and site visits for coastal restoration projects. Provided technical assistance during the planning phase of restoration projects damaged by tropical storms, hurricanes and oil spills.

Qualifications

FIRM
HNTB Corporation

LICENSES AND REGISTRATIONS
Professional Engineer: Louisiana #39861 (2015); Texas #123865 (2016); Florida #82055 (2016); Mississippi #28294 (2017); Alabama #37626-E (2018)

YEARS EXPERIENCE
12

EDUCATION
BSCE, Civil Engineering, University of New Orleans

RANDAL BONURA, PE

DRAINAGE AND ROADWAY ENGINEER

Randal has 12 years of consulting engineering experience. As a project engineer, he assists in designing, estimating, and calculating ongoing projects, including the Baton Rouge and New Orleans offices' transportation section and the New Orleans office's civil works and construction sections.

Project Experience

JEFFERSON PARISH 2016 CAPITAL BOND PROGRAM, HOLMES BOULEVARD REHABILITATION, GRETNA, LOUISIANA

Project Engineer for the $3 million roadway rehabilitation and enhancement project in Gretna, Louisiana. Completed detailed roadway design plans and construction proposal that included replacing all concrete pavement, sidewalks, driveways, curbing, pavement striping, and added ADA-compliant accessible ramps at all intersections and bike lanes where feasible. Provided calculation of bid quantities and is currently serving as the resident engineer performing construction administration services. Services include managing and supervising the contractor, reviewing and approving product submittals, hosting bi-weekly progress meetings, and answering the requests for information.

NEW ORLEANS JIRR PROGRAM, UPTOWN GROUP B, NEW ORLEANS, LOUISIANA

Project engineer performing design services for the $4.7 million roadway reconstruction and enhancement project in New Orleans' Uptown Group B neighborhood. Performed field investigations and provided recommendations report based on field findings. Scope includes preparing detailed construction plans, specifications, and cost estimates for the roadway reconstruction of 13 blocks, including utility upgrades to sewer mains, water mains, and drainage. The scope also includes preparing construction documents for base repairs, cold mill and overlay for three blocks, and incidental roadway repairs for four blocks. For streets with the scope of work involving full reconstruction, all data and computations to support the roadway design and associated utility work are provided. Included in all repairs are utility adjustments and ADA-compliant curb ramps.

ST. ROCH SOUTH GROUP B, NEW ORLEANS, LOUISIANA

Resident Engineer performing construction administration services for the $3.7 million roadway reconstruction and enhancement project in New Orleans' St. Roch South Group B neighborhood. As part of the FEMA Recovery Roads Program, services include managing and supervising the contractor, reviewing and approving product submittals, hosting bi-weekly progress meetings, coordinating with utility companies, and answering requests for information. The construction scope of services includes roadway reconstruction with asphalt removal, concrete removal, full-depth asphalt pavement, full-depth concrete pavement, concrete curb and gutters, concrete sidewalks, concrete driveways, ADA-compliant curb ramps, water mains, sewer mains, and drainage.

MIKE HRZIC, PE

DRAINAGE TECHNICAL LEAD

Mike has two decades of experience in water resources pertaining to infrastructure rehabilitation, floodplain analysis and mapping, dam safety, reservoir design, environmental restoration, channel stability, and emergency response. His emphasis has been on riverine systems and urban environments, with a growing focus on coastal design and analysis supporting Hurricane Sandy and Harvey. Furthermore, Mike's extensive modeling capabilities include working with riverine 1D simulation programs, HEC-RAS, HEC-6, and HEC-1 for channel studies; rainfall-runoff modeling programs HEC-HMS, XP-SWMM and EPA SWMM for hydrologic and network conditions; and HEC-RAS 2D, SMS ADH, SRH-2D and FLUENT for more complex hydraulic design issues.

Qualifications

FIRM
HNTB Corporation

LICENSES AND REGISTRATIONS
Professional Engineer:
Louisiana #42160 (2017);
Mississippi #29063 (2018)

YEARS EXPERIENCE
22

EDUCATION
MS, Civil Engineering - Water Resources, University of Wisconsin

BA, Physics, Illinois Wesleyan University

Project Experience

H&H MODELING ANALYSIS, EAST BATON ROUGE FLOOD RISK MANAGEMENT PROJECT, EAST BATON ROUGE PARISH, LOUISIANA

Lead hydraulic engineer overseeing the analysis of Ward Creek, Blackwater Bayou, and Jones Creek. The analysis consisted of a rapid response to performing hydrologic and hydraulic modeling for all three basins for existing and proposed conditions. The analysis consisted of over 70 total square miles of the study area, over 100 bridges, improvements conditions, channel improvements, and bridge replacement. He ensured consistent analysis across study areas by providing senior technical oversight and oversaw quality reviews. The analysis was performed in two months.

COMITE RIVER DIVERSION, NEW ORLEANS, LOUISIANA

Hydraulic engineer who performed the analysis and design for Highway 60 and the KCS Railroad bridges over the proposed Comite diversion 100% plan submittal. The Comite Diversion is a critical flood control structure to aid in the alleviation of floodwater from the Comite to the Mississippi River. The proposed bridge required channel scour countermeasures. Mike performed an analysis using HEC-RAS, and developed a 2D hydraulic model to evaluate spatial velocity conditions through the bridge. Additionally, various scour countermeasures were considered, including articulated concrete mats, rip-rap, and concrete armor units. The final design specified a combination of articulated concrete mats and rip-rap.

ASCENSION PARISH FLOODPLAIN MANAGEMENT PLAN ASCENSION PARISH, LOUISIANA

Contract manager for the $2.6 million plan to better manage the risk of flooding, protect people and property, maintain and enhance natural floodplains, make effective use of the water and related land resources within the floodplain and provide clear guidance of development considerations within the floodplain. The plan includes a survey of the existing open channel system, documentation of known flooding problems, H&H modeling, and developing mitigation strategies and proposed projects.

Qualifications

FIRM
HNTB Corporation

LICENSES AND REGISTRATIONS
Professional Engineer:
Illinois #062-046541 (1990);
Louisiana #39175 (2014)

YEARS EXPERIENCE
21

EDUCATION
BS, Civil Engineering,
University of Illinois

MELISSA KENNEDY, PE

DRAINAGE DESIGN SUPPORT

Melissa is a senior project manager responsible for field investigations, studies, and design for water resources, environmental and municipal projects ranging from $10,000 to more than $1 million. She has also participated in relief efforts for multiple natural disasters. As a project manager, Melissa is responsible for budget and schedule control, contractor tendering, client liaison, contract administration, permit acquisition, preparing reports and construction documents, and quality control/assurance.

Project Experience

EAST BATON ROUGE STORMWATER MASTER PLAN, BATON ROUGE, LOUISIANA

Senior technical engineer for the parish-wide SMP that combines local drainage and floodplain management into an overall comprehensive plan. Phase I included the development of the implementation framework, including extensive existing data collection and gap analysis, the evaluation of data, a risk analysis, a plan outline and a cost estimate. It also included the development of a HEC-RAS 2D model of the entire parish utilized for the development of HMGP applications. These consisted of channel improvements, bridge replacements and detention. Phase II included data collection and GIS database for 11 watersheds, preliminary ordinance review, HEC-RAS 1D/2D modeling, PCSWMM modeling, a public engagement program and project identification and development.

H&H MODELING ANALYSIS, EAST BATON ROUGE FLOOD RISK MANAGEMENT PROJECT, EAST BATON ROUGE PARISH, LOUISIANA

Project manager for the modeling of three watersheds in the Amite River Basin. HNTB was tasked with determining stage and inundation differences between existing and proposed conditions per the 1995 feasibility study. Modeling includes the development of HEC-HMS and 1D/2D HEC-RAS and evaluations of design and rainfall frequency events. This project, conducted under an extremely aggressive schedule, calls for various deliverables, including modeling; results and summary reports of methodology; criteria and analysis; management of scheduling; coordination with multi-office teams, subconsultants and the client; document reviews; and the execution of weekly progress meetings.

ASCENSION PARISH FLOODPLAIN MANAGEMENT PLAN ASCENSION PARISH, LOUISIANA

Senior drainage engineer for the $2.6 million plan to better manage the risk of flooding, protect people and property, maintain and enhance natural floodplains, make effective use of the water and related land resources within the floodplain and provide clear guidance on development considerations within the floodplain. The plan includes a survey of the existing open channel system, documentation of known flooding problems, H&H modeling, and developing mitigation strategies and proposed projects.

Qualifications

FIRM
HNTB Corporation

LICENSES AND REGISTRATIONS
Professional Engineer: Louisiana #0034990 (2009); Missouri #2002024483 (2002); Kansas #14417 (1997)

YEARS EXPERIENCE
30

EDUCATION
BS, Civil Engineering, University of Kansas

MIRA PARA, PE

DRAINAGE DESIGN SUPPORT

Mira is a project manager with 30 years of experience in water, wastewater, storm drainage analysis, design, project management, and construction administration. He is a member APWA, WEF, LWEA, and SAME. He has served as President of the APWA Baton Rouge Branch Executive Board, President of the APWA Louisiana Chapter Executive Board, and Secretary of the LWEA Collections Systems Committee. He currently serves as secretary on the APWA Louisiana Chapter Executive Board and the national APWA Water Resources Management Committee. His positive reputation for creating high-quality designs complements his continued track record of project completion on schedule and within budget.

Project Experience

EAST BATON ROUGE STORMWATER MASTER PLAN, BATON ROUGE, LOUISIANA

Task lead responsible for developing and documenting the design criteria and methodology for the parish-wide SMP. The SMP combines local drainage and floodplain management into an overall comprehensive plan. The purpose of the SMP is to better manage the risk of floods, protect people and property, maintain and enhance natural floodplains, facilitate the effective use of water and related land resources, and provide clear guidance of development within the floodplain. The project includes data collection, the development of a GIS database, preliminary ordinance review, HEC-RAS 1D/2D and PCSWMM Modeling for 11 watersheds, a public engagement program, and the identification, development, and prioritization of potential projects.

GIWW EAST SECTOR GATE TRIPPING DOLPHINS REPLACEMENT, NEW ORLEANS, LOUISIANA

Senior project engineer/project manager responsible for final design; delivery of final plans, specifications, and construction cost estimate; bid phase services; and construction administration. The project, located in the Orleans Levee District (OLD), involves the replacement of a total of 10 tripping dolphins within the GIWW. The dolphins will each consist of a four-pile cluster tied together with a jacket structure that will include a mooring bit, a navigation light, and a maintenance access ladder. The dolphins will be used for mooring barges in preparation for transport through the Lake Borgne Surge Barrier sector gate.

LOUISIANA WATERSHED INITIATIVE GRANT APPLICATIONS, EAST BATON ROUGE PARISH, LOUISIANA

Project manager/engineer responsible for providing grant application technical support services to the Recreation and Park Commission for the Parish of East Baton Rouge for two potential projects: Bayou Manchac Green Infrastructure Project and Cypress Bayou Green Infrastructure Project. Each project received pre-application approval under Round 1 of Louisiana's CDBG-MIT for the LWI. Round 1 of this program made available $100 million for eligible projects statewide to provide citizens with immediate relief from intense and frequent storms and floods. HNTB performed H&H from models previously developed; prepared maps and exhibits; developed feasibility level project designs, schedules and cost estimates; performed cost versus benefit analyses utilizing FEMA BCA tool; performed project effectiveness calculations; and performed environmental and urban planning analyses.

Qualifications

FIRM
HNTB Corporation

LICENSES AND REGISTRATIONS
Professional Engineer:
Louisiana #42793 (2018)

YEARS EXPERIENCE
8

EDUCATION
BS, Civil Engineering,
Louisiana State University

DANIEL TANNER, PE

DRAINAGE DESIGN SUPPORT

Daniel is a project engineer in Baton Rouge's civil works department. He has experience with designing and managing numerous civil works infrastructure projects throughout Louisiana, focusing on water resources. This includes hydrologic and hydraulic modeling, detention pond analysis, storm drainage design, BCA, plan production, and construction administrative services. He has assembled multiple drainage studies and plan sets and has design experience using the following software: GeoHEC-RAS, HEC-RAS, HEC-HMS, HEC-SSP, HEC-FDA, Aquaveo's SMS, LaDOTD's HYDRWIN, Bentley PondPack, StormCad, Autodesk Civil 3D, and Sanitary and Storm Analysis.

Project Experience

EAST BATON ROUGE STORMWATER MASTER PLAN, BATON ROUGE, LOUISIANA

Project engineer and data collection task lead for the $15 million SMP. The plan aims to manage the risk of floods better, protect people and property, maintain and enhance natural floodplains, effectively use water and related land resources, and provide clear development guidance within the floodplain. The data collection effort included surface and subsurface asset assessment and documentation. Over 100,000 drainage structures and pipes (assets) were documented in an ESRI ArcGIS Online database. In addition, responsibilities included data evaluation, HEC-RAS 2D modeling, risk analysis, cost estimating, plan outline and report write-up documenting findings.

BATON ROUGE LOUISIANA WATERSHED INITIATIVE (LWI) GRANT APPLICATIONS, BATON ROUGE, LOUISIANA

Engineer responsible for the technical analysis of five projects submitted to Louisiana's CDBG-MIT grant program for the LWI. This effort included developing conceptual level project designs; preparing maps and exhibits; hydrologic and hydraulic modeling; schedules and cost estimates; and performing BCA utilizing the FEMA BCA analysis tool. Projects included two floodplain preservation/conservation projects, two detention projects and one bridge replacement project.

ASCENSION PARISH FLOODPLAIN MANAGEMENT PLAN ASCENSION PARISH, LOUISIANA

Deputy project manager for $2.6 million FMP. The plan includes a survey of the existing open channel system, documentation of known flooding problems, hydrologic and hydraulic modeling, and developing mitigation strategies and proposed projects. His responsibilities included coordination of all tasks, design criteria development, H&H modeling, flood hazard identification, modeling proposed mitigation strategies, BCA, and report write-up documenting all findings.

USACE MODELING AND ANALYSIS; JONES, WARD AND BLACKWATER BAYOU, LOUISIANA

Engineer responsible for developing the H&H modeling of the Jones Creek watershed located in East Baton Rouge Parish. This included using the hydrologic methodology to develop a USACE's HEC-HMS software model. In addition to this hydrologic model, an unsteady state 1D/2D HEC-RAS model was developed, linked to HMS runoff hydrographs and hyetographs. This 1D/2D interface provided additional detail in the 2D overbank regions while effectively representing the immediate channel within the 1D cross-sections.