



**REQUEST FOR
QUALIFICATIONS FOR**

Bucktown Building Resilient Infrastructure and Communities (BRIC) Scoping Grant



April 19, 2022

Mr. Mark Drewes, PE
Director of Public Works
1221 Elmwood Blvd.
Jefferson, LA 70213

Ms. Michelle Gonzales, CFM
Director of Ecosystem and Coastal Management
1221 Elmwood Blvd.
Jefferson, LA 70123

Ms. Maggie Talley, CFM
Director of Floodplain Management
and Hazard Mitigation
1221 Elmwood Blvd.
Jefferson, LA 70213

RE: CSRS Response to RFQ Bucktown Building Resilient Infrastructure and Communities (BRIC) Scoping Grant - SOQ No. 22-016, Resolution No. 139147

Dear Mr. Drewes, Ms. Gonzales, and Ms. Talley:

CSRS, LLC (CSRS) is pleased to formally submit this Statement of Qualifications to the Parish of Jefferson regarding the Bucktown Building Resilient Infrastructure and Communities (BRIC) Scoping Grant.

Our planning and water resources teams have the specific knowledge and expertise to complete your project. Our teaming partner, Dana Brown and Associates, is one of the most accomplished landscape architecture and planning firms in Louisiana. Both firms are based in Louisiana and are deeply rooted in its culture. Together, we are ready to help create a resilient future for Jefferson Parish.

CSRS' unique position at the intersection of grants management and stormwater management makes us exceptionally qualified for this task. Our attention to detail, spirit of collaboration, and overall standard of excellence has made us the go-to firm in Louisiana and other flood-prone states for this kind of work. Listed below are some marquee stormwater planning projects our water resources team has worked on around the state:

- East Baton Rouge Parish Stormwater Masterplan
- Ascension Parish Floodplain Masterplan
- Calcasieu Parish Watershed
- Lafayette Stormwater Masterplan
- Central Drainage

CSRS also has an extensive history managing and securing federal resources, and we pride ourselves in our ability to leverage external resources to meet the needs of local governments. By focusing on timely program delivery and improved community outcomes, we have become highly reputable in the grant management space. Listed below are some notable green infrastructure and resilience related grants and program management projects that our staff have been substantially affiliated with in Louisiana:

- City of New Orleans National Disaster Resilience Competition (\$140 million)
- State of Louisiana National Disaster Resilience Competition (\$90 million)
- Louisiana Watershed Initiative (\$1.2 billion)
- Multiple community scaled green infrastructure projects from FEMA disaster and non-disaster hazard mitigation resources (\$ varies)

Additionally, Dana Brown and Associates has been at the forefront of green infrastructure implementation in the Gulf South. Its notable public sector work in Jefferson Parish includes:

- Gretna Downtown Drainage Phase 1 (Memorial Square Stormwater Plaza)
- Bayou Metairie Park

Together, our team is well equipped to understand the problem and propose progressive, technically feasible solutions that meet the programmatic needs of prospective funding partners.

CSRS acknowledges Attachment A - Standard Professional Services Agreement for Jefferson Parish.

Sincerely,



Stokka Brown, MS, CFM, PE
Principal, Water Resources Practice Lead



**REQUEST FOR
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Bucktown Building Resilient
Infrastructure and Communities
(BRIC) Scoping Grant

**CSRS TEC PROFESSIONAL
SERVICES QUESTIONNAIRE**



TEC PROFESSIONAL SERVICES QUESTIONNAIRE

A. Project Name and Advertisement Resolution Number:

Bucktown Building Resilient Infrastructure and Communities (BRIC) Scoping Grant - SOQ No. 22-016
Resolution No. 139147

B. Firm Name & Address:

CSRS, LLC
935 Gravier St., Suite 1650
New Orleans, LA 70112
504.539.3672



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:

Stokka Brown, MS, PE, CFM
Principal and Water Resources Practice Leader, CSRS
stokka.brown@csrsinc.com
225.610.5646

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.

Stokka Brown, MS, PE, CFM
Principal and Water Resources Practice Leader, CSRS
stokka.brown@csrsinc.com
225.610.5646

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

51	Administrative	3	Estimators	2	Specifications Writers
14	Architects (Licensed)	1	Geologists	0	Structural Engineers
0	Chemical Engineers	1	Geotechnical Engineers	2	Graduate Engineers
16	Civil Engineers	0	Interior Designers	26	Project Managers
2	Construction Inspectors	10	Landscape Architects	10	Clerical
5	Ecologists	2	Land Surveyor	14	Grant/Funding Specialist
0	Electrical Engineers	0	Mechanical Engineers	0	Sanitary Engineers
15	Engineer Intern	0	Environmental Engineers		
1	Professional Land Surveyor				TOTAL 175

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.

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.		
Dana Brown & Associates, Inc. 1836 Valence St. New Orleans, LA 70115	Landscape Architecture, Green Infrastructure, Urban Planning	Yes

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

10

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: Stokka Brown, MS, PE, CFM, Principal and Water Resources Practice Leader



Mr. Brown is a Louisiana Licensed Professional Engineer and Certified Floodplain Manager with 13 years of experience in water resources and coastal engineering including numerical modeling and analysis of estuarine, coastal, and stormwater systems. He has maintained, calibrated, and gathered field data, developed hydrologic and hydraulic models, and numerically analyzed natural and man-made drainage systems. His experience includes the development of hydrology and hydrologic models for numerous stormwater master planning initiatives and the creation of 2D high-resolution numerical models that have important applications for many projects.

Project Assignment:

Principal-in-Charge

Name of Firm with which associated:

CSRS, LLC

Years' experience with this Firm:

4

Education: Degree(s)/Year/Specialization:

M.S., Civil and Environmental Engineering, Carnegie Mellon University, Pittsburgh, PA, 2010
 B.S., Civil Engineering, University of Louisiana, Lafayette, LA, 2009

Active registration: Year first registered/discipline:

2013, Professional Engineer, Civil, License No. 0038148

Other experience and qualifications relevant to the proposed Project:

Lafayette Parish Comprehensive Stormwater Plan. Lafayette Parish, LA. *Project Manager.* CSRS was selected to lead the first ever Comprehensive Stormwater Plan for Lafayette Parish including an extensive existing data collection campaign to capture information from Lafayette Consolidated Government as well as the local municipalities. CSRS will utilize this information to assess the parish's existing drainage system and develop a list of projects. CSRS will develop a GIS System Framework, Buyout Program Implementation Plan, Prioritization Framework, Public Engagement and Education Practices; perform an Asset-Based Risk Assessment; review Local Regulations Related to Drainage Policies and Recommended Changes, the possibility of the Formation of Mitigation Banks and fee study; and develop a Comprehensive Stormwater Plan. Mr. Brown is the Project Manager for the project. (2021–Present)

Abita River Regional Detention Pond Expansion. St. Tammany Parish, LA. *Lead Hydraulic and Hydrologic Engineer.* Mr. Brown led a team of engineers and scientists to develop a Quality Assurance Project Plan and complete a Watershed Management and Restoration Plan for the Abita River Pond and Tammany Hills watershed area. Topographic and bathymetric data were collected and utilized to develop 2-dimensional hydraulic and hydrologic models for the area. Influent and effluent water quality data was collected to develop baseline conditions for the pond. The team developed innovative approaches and associated costs with St. Tammany Parish to maximize the potential to yield improved water quality for the area through expanding the existing burrow pit into a pond and other BMPs. The next phase of the project will include preliminary and final design, construction documents, construction bidding, and construction administration and inspection. (2019–Present)

Calcasieu Parish Drainage Master Plan. Calcasieu Parish, LA. *Water Resources Engineer.* Mr. Brown is responsible for developing and simulating hydraulic and probabilistic models used to estimate annualized costs of flood damage for existing conditions and proposed projects to understand how and when the parish should move forward with projects to mitigate flood damages now and in the future. (2018–Present)

Other experience and qualifications relevant to the proposed Project: (cont)

EBR Stormwater Master Plan-Phase I+II, Initiation of EBR Parish Stormwater Master Plan. East Baton Rouge Parish, LA. *Water Resources Engineer.* CSRS is a subconsultant to HNTB on the EBR Stormwater Master Plan. Mr. Brown assisted in the develop of the design criteria and methodology used to support the development and application of 2-dimensional (2D) HEC-RAS models. He is leading a team of engineers to develop 2D models using the latest high-resolution LiDAR data and recently collected survey data. These models are being used to identify the level of service for the channels and structure and to estimate the annualized costs of flood damage for existing conditions. Using a project-developed toolbox of flood risk reduction projects types, the team will simulation proposed projects to understand how and when the parish should move forward with the projects to mitigate flood damages now and in the future. Mr. Brown has also researched local and regional drainage codes and ordinances. He is also using the 2D models to help inform decisions on code revisions. (2017–Present)

City of Central Drainage Master Plan and Benefit-Cost Analysis. Central, LA. *Water Resources Engineer.* Mr. Brown developed and calibrated 2-D high-resolution hydrodynamic models for all watersheds in the City of Central, which he has utilized to understand the hydraulic system of canals, identify problem areas, and simulate and develop proposed solutions. These models are the foundation for developing a flood forecasting system, and they provide support for the continued effort in floodplain management and drainage maintenance for the city. Mr. Brown recently led efforts to assist the city with generating FEMA flood risk reduction benefit-cost analyses to guide project prioritization for external funding, including a recent submission to the FEMA BRIC program. (2018–Present)

City of Baker HMGP Applications. Baker, LA. *Water Resources Engineer.* Mr. Brown is developing conceptual-level hydrodynamic models of streams within the City of Baker. He is utilizing these models to understand the hydraulics of the streams and identify problem areas and potential projects. The existing and proposed conditions model results are crucial to estimating benefit and damage costs due to flooding for input in the HMGP applications. These models are the foundation for the development of more detailed hydrodynamic models that will be utilized in the next phase of the HMGP application process. (2018)

Saint Roch Drainage and Green Infrastructure. New Orleans, LA. *Water Resources Engineer, Moffatt & Nichol.* CSRS is a subconsultant to C.H. Fenstermaker on the Calcasieu Parish Drainage Master Plan for the Calcasieu Parish Police Jury. Mr. Brown is leading a team of engineers to conduct data gap analyses for multiple watershed throughout the parish and to develop and calibrate one- and two-dimensional hydraulic models to evaluate the existing drainage system and their level of protection, identify problem areas, and evaluate proposed project benefits. (2015–2016)

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title: Joseph Christopher, PE, Project Manager

Mr. Christopher is a water resources and civil structural engineer with nine years of experience performing water resources analysis and coastal structural design work with a dedication to a consistently strong work ethic and resourcefulness. His project experience includes hydraulic and hydrologic modeling of conveyance reaches using ESRI Arc Hydro, GEO-HMS, and GEO-RAS to develop watershed inundation and open channel modeling projects, ICPR watershed analysis, HydroCAD drainage conveyance structural modeling, pressure pipe network design and modeling using EPANET, hydraulic forces calculation including variable drag coefficient calculation and uplift analysis for flood control structures, roadway drainage conveyance design, Arc Hydro watershed delineation, basin and outfall structure sizing and design, stormwater runoff pollutant load and removal calculations, BMP design, culvert design, structural concrete and steel design, steel plate structural analysis using API-2V and ABS guidance, structural design of water conveyance components, mooring and berthing structural design, braced frame structural design, structural connections and details, pile foundation design, technical specifications building, proposal development, man-hour estimation, and quantities calculations for construction cost bid estimating.



Project Assignment:

Project Manager

Name of Firm with which associated:

CSRS, LLC

Years' experience with this Firm:

1

Education: Degree(s)/Year/Specialization:

BS, 2010, Civil Engineering, University of Arizona, Tucson, AZ

Active registration: Year first registered/discipline:

2018, Professional Engineer, Civil, LA License No. 42631
2020, Professional Engineer, Civil, TX License No. 137541

Other experience and qualifications relevant to the proposed Project:

City of Central Benefit-Cost Analysis. City of Central, LA. *Project Manager.* Mr. Christopher's role in the project includes assistance in development of benefit-cost analysis and benefit-cost ratios, and project management. (2021–Present)

Chennault Airport Drainage Masterplan. Calcasieu Parish, LA. *Modeling Reviewer/Project Manager.* Mr. Christopher's role in the project includes modeling review, and project management. (2021–Present)

Lafayette Parish Comprehensive Stormwater Plan. Lafayette Parish, LA. *GIS data processor, technical reviewer, and project manager.* Mr. Christopher's role in the project includes assistance with determining most effective locations for additional LCG projects based on risk-based data assessments, GIS Data development, analysis, and processing, project manhour and cost estimation, project recommendation efforts, and project management. (2021–Present)

Ascension Parish Floodplain Management Plan. Ascension Parish, LA. *Hydraulic model reviewer.* Mr. Christopher's role in the project includes field investigation during historical events, development of geospatial data from existing hydraulic models, and project data gathering and development. (2021–Present)

Other experience and qualifications relevant to the proposed Project: (cont)

Sienna Plantation North, 003385, Sienna Plantation Levee Improvement District. Sugar Land, TX. *Hydrology and Hydraulics technical reviewer.* The project scope is the review of the levee and hydrology and hydraulic modeling effort from a legacy consultant. The technical review consists of design criteria verification of the development flood protection components on the residential and commercial site. Mr. Christopher performed technical review of the drainage master plan report, HEC HMS, and HEC RAS models as verification of storm water conveyance structures designed to meet minimum requirements of the Fort Bend Drainage Criteria Manual. Mr. Christopher performed technical review of Hydrology components in accordance with design criteria to verify the properties used in the development of the design storm hydrographs developed within HEC HMS, reviewed HEC RAS modeling of the channels, culverts, bridges, and storage areas. Additional tasks Mr. Christopher performed included review of criteria for dependent and coincident storm events to verify that the pump station design provided sufficient capacity as to not exceed water surface elevations in excess of the 1% storm event when gravity flow of the storm water conveyance was no longer optional. Regarding this effort, Mr. Christopher reviewed overland ponding to verify simulation-projected water surface elevations impact on slab elevations, and flow criteria for channels, crossings, and outlet structures. Mr. Christopher also reviewed geotechnical report data for the levee to verify adherence to geotechnical recommendations, that the earthen levee met the soil property requirements of the Fort Bend Drainage Criteria Manual, and that survey data provided minimum freeboard regarding the 2014 revised Flood Insurance Rate Maps. (2018–2019)

Structure Steel Analysis, HNC Lock Complex, 154607, Terrebonne Levee and Conservation District. Houma Navigational Canal, LA. *Engineer.* The HNC Lock Project scope is the design of a lock and swing gate that will tie into the South Louisiana levee protection system. The lock structure is intended to be used to mitigate freshwater salinity intrusion in the Houma Navigational Canal. The swing gate will provide conveyance for large navigation vessels to cross the flood control structure. Mr. Christopher is the lead design engineer on the swing gate, responsible for design analysis of all direct head structural calculations for the structure using SAP finite element modeling. The analysis is being verified through stress analysis in comparison with the American Bureau of Ship building Allowable Buckling Stress code and AISC ASD design code for the design of conventional members. Additionally, prior design phase design/analysis efforts include design of the swing gate floodwall extension for increased water surface elevations, design of pre-stressed barrier cable railing systems for pedestrian and vehicle barriers, checks of MATHCAD files using API 2V to analyze steel plate structures, development of MATHCAD ABS buckling guide code file to analyze steel plate structures, structural steel design of dewatering bulkhead storage platforms, load determination for winch cables sizing verification, and verification of uplift safety factor due to swing gate seal failure. (2016–2020)

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title: Mark Goodson



Mr. Goodson’s career, which now spans over 16 years, has been focused on resilience, urban planning and redevelopment, public finance and budgeting, and local government operations. He serves as CSRS’ Resilience Practice Lead, helping commercial and governmental clients adapt to thrive, no matter the changing conditions confronting them. To achieve resilience, Mr. Goodson and his team members provide technical assistance to identify risks and vulnerabilities, develop strategic interventions, and design and implement resilience programs, as well as integrate resilience and sustainability into existing capital programs. He is particularly skilled at helping clients plan for turning liabilities into assets and maximizing the community benefits produced by capital expenditures and investments.

Project Assignment:

SME- Resilience and Planning

Name of Firm with which associated:

CSRS, LLC

Years’ experience with this Firm:

6

Education: Degree(s)/Year/Specialization:

Vacant Property Leadership Institute Certificate, Emory University Law School, 2013
Community Progress Leadership Institute Certificate, Harvard Law School, 2012
Master of Public Administration, Louisiana State University, Baton Rouge, LA, 2006
Bachelor of Landscape Architecture, Louisiana State University, Baton Rouge, LA, 2004

Active registration: Year first registered/discipline:

N/A

Other experience and qualifications relevant to the proposed Project:

University Lakes Project Advisory. Baton Rouge, LA. *Lead Project Manager.* Mr. Goodson is the lead Project Manager for the University Lakes project that will become an unmatched beneficial use recreational amenity and sustainable ecological jewel that enhances flood protection, water quality, and increased habitat for aquatic and land-based animals. CSRS’ role as Project Advisor includes project management, financial modeling, grants management, procurement of design and construction including CMAR as a procurement methodology, community engagement, design review, and construction monitoring. (2020–Present)

Louisiana Watershed Initiative. Statewide, LA. *Principal.* CSRS is one of the state’s program management consultants for the Louisiana Watershed Initiative (LWI), which is primarily funded with \$1.2 billion in CDBG-Mitigation funding allocated to Louisiana. As Principal, Mr. Goodson serves as the primary Point of Contact for the Office of Community Development and serves as an advisor to the state on matters of program design and work planning. The LWI seeks to manage future flood risks in Louisiana through watershed-based solutions and is overseen by the governor’s five-agency Council on Watershed Management. (2019–Present)

Budgeting for Community Resilience. Boulder, CO. *Resilience Advisor.* In the wake of successive natural disasters, the City of Boulder created its Sustainability and Resilience Framework and Resilience Strategy to position its communities to rebound, adapt to, and thrive amidst changing conditions and challenges. In this project, Boulder sought to move beyond resilience planning toward the institutionalization of resilience through its city budgeting process. Mr. Goodson brought lessons learned from other communities using resilience benefits to make choices and set priorities among their projects and activities. (2018–2019)

Other experience and qualifications relevant to the proposed Project: (cont)

Isle de Jean Charles Resettlement, Phase I, II & III, Louisiana OCD-DRU. Isle de Jean Charles, LA. *Principal Program Director.* This project, funded through HUD's National Disaster Resilience Program, involves the master planning of a new development to accommodate the voluntary resettlement of an island community in response to significant environmental degradation from ongoing coastal land loss, subsidence, and sea level rise. Mr. Goodson is leading a multi-disciplinary team tasked with performing site due diligence, community planning, public outreach, and program design in support of this first-of-its-kind project in the U.S. (2017–Present)

Louisiana Strategic Adaptation for Future Environments (LA SAFE), Louisiana Office of Community Development–Disaster Recovery Unit. Multiple Parishes, LA. *Principal.* Mr. Goodson led a multi-disciplinary team in the creation of resilience plans for Terrebonne, Lafourche, St. John the Baptist, Jefferson, St. Tammany, and Plaquemines Parishes. These plans provided actionable recommendations to improve community resilience, create a model for other Louisiana parishes, and identify resilience projects to be funded by the \$40 million LA SAFE Fund. (2017)

Hurricane Sandy Recovery Program Management Services, New York City Housing Authority. New York, NY. *Resilience Lead.* Mr. Goodson served as the resilience lead within the Hurricane Sandy Recovery Program Management organization, which was managed by CB&I. He provided direct technical assistance and coordinated resources from across CB&I to integrate resilience into NYCHA's \$3.2 billion recovery program and deliver outcomes for long-term sustainability, including hazard mitigation, resilient energy, strategic planning, sustainable design and construction, and stormwater management. (2014–2016)

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title: Allison Davis Atkinson

Ms. Atkinson has spent the last 18 years managing complex technical, policy, and inter-agency coordination efforts to help citizens and governments navigate disaster and development related government programs and unlock their potential for economic, community, and infrastructure development. After starting her career doing overseas development work in governmental transparency, master planning, and local government capacity building she came to New Orleans initially as a disaster relief volunteer before joining FEMA in February 2006. She provided disaster relief and recovery services under the FEMA Individual Assistance Program, External Affairs, and the Command Staff in Louisiana, then joined the private sector assisting municipalities, school boards, and other public entities in ensuring they increased their FEMA Public Assistance eligibility and successfully navigated the bureaucracy of compliance.



Project Assignment:

SME- FEMA Programs and Policies

Name of Firm with which associated:

CSRS, LLC

Years' experience with this Firm:

10

Education: Degree(s)/Year/Specialization:

Master of Business Administration, Loyola University of New Orleans, 2017
Master of Arts, International Peace and Conflict Resolution, American University, 2002
Bachelor of Arts, Government, Sweet Briar College, 2000
FEMA's Incident Command Systems (ICS) Courses - 100, 200, 700, and 800

Active registration: Year first registered/discipline:

N/A

Other experience and qualifications relevant to the proposed Project:

New Orleans Regional Transit Authority Grants Management Program. New Orleans, LA. *Subject Matter Expert/Policy Advisor.* Ms. Atkinson provides expert advice to the RTA for developing scopes of work and negotiating with FEMA on properly capturing disaster costs. Before submitting to the state, she provides quality control on all submittals, which reduces the number of issues requiring audit resolution. Also, she assists the RTA in strategizing to maximize eligible Public Assistance funds to meet their capital project needs that support the citizens of New Orleans. (2015 – Present)

St. Bernard Parish Recovery Program. Chalmette, LA *FEMA Specialist/Liaison.* Ms. Atkinson served as an advisor, trainer, and mentor to project managers regarding FEMA's disaster recovery operations and policy while at CDM Smith and currently with CSRS. She prepares arguments and supporting packaged documentation for disaster grant scope development and appeals on FEMA Public Assistance eligibility decisions, which helped increase the project scope to over \$1 billion in FEMA PA funding. Also, she provides strategic guidance to the Parish to maximize their eligibility and flexibility of funding and to train staff on process improvements. Her leadership ensures efficiency and effectiveness of FEMA-funded infrastructure project delivery and documentation. She maintains positive and productive relationships with all parties in the municipality's disaster recovery efforts, resulting in reliable and open lines of communication between FEMA, GOHSEP, and St. Bernard Parish. (2009–2011) and (2014–Present)

Other experience and qualifications relevant to the proposed Project: (cont)

Calcasieu Parish School Board Recovery Program. Calcasieu Parish, LA *Subject Matter Expert.* After Category 4 Hurricane Laura devastated much of Southeast Louisiana in September 2020, the Calcasieu Parish School Board contracted CSRS to manage their recovery remediation and permanent work projects to stabilize more than 75 school campuses and get children back into their classrooms. Ms. Atkinson helped stand up and structure the Project Management program in a way that would facilitate the reimbursement of PM services by FEMA, which is anticipated to be approximately \$250 million. She also provides high level advisory services to the team and school board regarding design contracting structure, staff composition and qualifications, data tracking and reporting systems, FEMA's code required upgrade analysis policy, and program deliverables. (2020–Present)

East Baton Rouge City-Parish Disaster Recovery Grants Management. Baton Rouge, LA. *Subject Matter Expert.* South Louisiana was heavily impacted by a severe flooding event in August 2016 (DR-4277), prompting the City of Baton Rouge to contract CSRS to help manage FEMA recovery grants. Ms. Atkinson oversaw the general strategic direction of the program, advised on FEMA policy implications of funding decisions, and provided direct assistance when negotiating with FEMA to properly capture disaster related costs. She also made sure the recovery program was properly staffed to maximize efficiency and effectiveness. (2016–2019)

City of New Orleans Federal and State Grants Management. New Orleans, LA. *Program Director and Deputy Program Director.* Ms. Atkinson provided grants management services for hundreds of facilities owned by the City of New Orleans. These facilities ranged from police stations to roads sustained damages from Hurricanes Katrina, Gustav, and Isaac, valued at over \$1.1 billion in total. She oversaw the quality control of submittal packages to FEMA regarding its PA and HMGP programs, developed arguments on behalf of the City, and managed strategy shifts based on the City's needs and requests. She also worked to ensure that execution of the Jacobs/CSRS joint venture program was compliant with the contract, task orders, and performance indicators, and provided direction to a team of more than 20 people. (2011–2014)

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title: Matthew Martinec



Mr. Martinec serves as the Planning and Government Senior Advisor for CSRS. He has extensive experience in major planning, policy and project positioning and implementation, especially within small to mid-sized communities. Mr. Martinec has a demonstrated record of building capacity with an emphasis on resilience and sustainability.

Mr. Martinec has served as Director of Planning for a mid-sized community—with a limited history of planning capacity—initiating and implementing the community’s first major planning efforts, rewriting land development regulations, and supporting public sector investment to leverage stronger community planning outcomes – all with an emphasis on building capacity around resilience and sustainability.

Project Assignment:

SME- Planning and Federal Resources

Name of Firm with which associated:

CSRS, LLC

Years’ experience with this Firm:

1

Education: Degree(s)/Year/Specialization:

M.S., Community and Regional Planning, School of Architecture, University of Texas at Austin, Austin, TX, 2014
M.A., Economics–International Development, The American University in Cairo, Cairo, Egypt, 2011
B.B.A., Economics, Texas Tech University, Lubbock, TX, 2008

Active registration: Year first registered/discipline:

N/A

Other experience and qualifications relevant to the proposed Project:

City of Baton Rouge–East Baton Rouge Parish American Rescue Plan Grants Management. Baton Rouge, LA. *Program Director.* CSRS is responsible for all grants management activities to support the City of Baton Rouge – East Baton Rouge Parish’s (City-Parish) implementation of it’s American Rescue Plan Act, State and Local Fiscal Recovery Fund (SLFRF) award of \$167 million. In this role, CSRS ensures that all expenditures fall under an eligible expenditure category which aligns with the U.S. Treasury’s Final Rule while complying with 2 CFR 200. CSRS is supporting the City-Parish with all contracting and subrecipient compliance, procurement, required quarterly and annual reporting to the U.S. Treasury, establishment of evidenced based reporting measures, written justifications, and stand up of City-Parish specific standard operating procedures and project policies that are tailored to federal award compliance while balancing local program needs. As Program Director, Mr. Martinec oversees the entire program. (2022–Present)

University Lakes Project Advisory. Baton Rouge, LA. *Subject Matter Expert.* Mr. Martinec assists in directing all fund sourcing activities for an ambitious \$100 million project that combines flood risk reduction, ecological restoration, and recreational amenities, under the direction of multiple local, state and federal stakeholders. (2021)

Lafourche Basin Levee District Program Management of Upper Barataria Risk Reduction Program. Lafourche Parish, LA. *Senior Development Advisor.* Mr. Martinec is supporting the Lafourche Basin Levee District (LBLD) on the creation of its first strategic plan alongside their advocacy around the Upper Barataria Risk Reduction Project. He has been instrumental in shaping their federal agency and delegation strategy. Since starting work with LBLD, Mr. Martinec has worked with them to ensure the timely completion of the United States Army Corps of Engineers (USACE) Chief’s Report, inclusion in the USACE work plan for the September 2021 disaster supplemental appropriation and positioning for a Congressional Water Resources and Development Act project authorization. Combined, these items have generated significant momentum for this \$1.6 billion flood risk reduction and coastal protection project. (2021–Present)

Other experience and qualifications relevant to the proposed Project: (cont)

Louisiana, US Treasury Emergency Rental Assistance Program. Baton Rouge, LA. *Senior Grants Manager.* Mr. Martinec assists in directing program activities related to the State's \$160 million COVID-19 rental assistance program. He serves as deputy to the program director and coordinates oversight of approximately 30 Case Managers and 30 Intake Specialists. (2021)

City of Midland Disaster Recovery Grant Services. Midland, MI. *Project Manager.* Mr. Martinec supports the City with FEMA disaster grants stemming from the May 2020 Dam Collapse on the Tittabawassee River, including a proposed buyout program directed at properties within or near the 100-year floodplain. (2021)

Mayor's Office, City of Gretna. Gretna, LA. *Director of Planning and Major Projects.* Mr. Martinec was responsible for all aspects of the City's Planning Department and Major Capital Projects. Under his leadership the City shifted its portfolio of infrastructure investment to focusing on interventions that addressed climate adaptation, sustainability and resilience needs. During his time at the City, he delivered some of the first green infrastructure projects in the state of Louisiana and successfully secured numerous funds to support resilience and climate adaptation activities. Mr. Martinec managed multiple stakeholder processes around planning and policy initiatives with minimal conflict surrounding sensitive community issues and full support of the City Council and Administration.

Mr. Martinec spearheaded the creation and implementation of the 25th Street Resilience District to showcase low-impact infrastructure design that reduces flood risk, adds recreational amenities, improves urban ecology, and addresses suburban design deficits, and sourced approximately \$20 million in external funds to support District implementation. In addition, he initiated and managed development of the City's first comprehensive capital improvement program, adopted spring 2019, a five-year, \$51 million program supporting planning initiatives. (2014-2020)

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title: Michael Songy, PE, PLS



Mr. Songy is a founding principal of CSRS and currently serves as its CEO. He is a licensed Civil Engineer and Professional Land Surveyor with over 40 years of civil engineering and land surveying experience. He currently leads the firm's Independent Technical Review process, which ensures a high-level technical review of projects from inception to completion.

Mr. Songy's experience has given him a deep understanding of both private development processes and public infrastructure design and the relationship between them. He has managed multiple types of projects including drainage master plans, land planning and development strategies, code and ordinance research and revisions, development of capital improvement programs, program management of capital improvement programs, development of planning and zoning initiatives, and other master planning efforts.

Project Assignment:

Civil Engineering QA/QC

Name of Firm with which associated:

CSRS, LLC

Years' experience with this Firm:

37

Education: Degree(s)/Year/Specialization:

B.S., Civil Engineering, Louisiana State University, Baton Rouge, LA, 1979

Active registration: Year first registered/discipline:

Professional Engineer, Civil, Louisiana License No. 21029, 1984
Professional Land Surveyor, Louisiana License No. 4609, 1988

Other experience and qualifications relevant to the proposed Project:

MOVEBR Transportation Plan. East Baton Rouge Parish, LA. *Principal-in-Charge.* Mr. Songy oversees the administration of over \$800 million in capacity projects for the MOVEBR Program. The single largest infrastructure program in East Baton Rouge Parish, MOVEBR will deliver less-congested corridors. (2019–Present)

City of Central Drainage Master Plan. Central, LA. *Principal-in-Charge.* CSRS conducted the City of Central's first ever Drainage Master Plan (DMP), including collecting all available existing data and identification and survey of the main channels and structures. Following the completion of the DMP, CSRS continued providing drainage, HMGP, USACE coordination, and governmental advisory assistance to the City of Central through this contract. The 2D models developed as part of the Drainage Master Plan were used to update the City-wide culvert improvements HMGP application and assess impacts from flooding with and without improvements for the calculation of benefit cost ratios for the HMGP application Benefit Cost Analyses. Additionally, CSRS reviewed the City's development ordinances and implemented an offsite drainage assessment (ODA) program requiring proposed developments to be evaluated for potential impacts to the entire watershed using the 2D hydraulic models. CSRS is currently performing these assessments for the City and has completed three ODAs thus far. (2018–Present)

Ascension Parish Floodplain Management. Ascension Parish, LA. *Principal-in-Charge.* East Ascension Consolidated Gravity District #1 sought the services of a professional consultant to implement a parish-wide floodplain management plan. CSRS, as a subconsultant to HNTB, is responsible for research, data collection, review, and assessment of all documentation related to Ascension Parish's flooding history. We are tasked with data collection, risk assessments, floodplain recommendations, and implementation strategies. As Principal-in-Charge, Mr. Songy will oversee CSRS' involvement in the project. (2017–Present)

Other experience and qualifications relevant to the proposed Project: (cont)

Green Light Plan, Transportation Improvements Program. East Baton Rouge Parish, LA. *Program Manager.* CSRS was selected to provide program management services for this start-up and the implementation of East Baton Rouge Parish's \$750 million Green Light Plan (GLP). Mr. Songy is responsible for program delivery, including program financial modeling and tracking, procurement and contract administration, oversight of project managers, and assistance in establishing program delivery guidelines. He has been involved in all aspects of the program since its inception. The real estate efforts consisted of approximately 1,200 acquisitions and 100 relocations, ranging from rural areas on new alignments to roadway widening in heavily developed urban conditions. (2006–Present)

Technical Assistance for Disaster Recovery Grant Opportunities, HMGP Funding, Drainage, and Resiliency. Central, LA. *Principal-in-Charge.* CSRS was engaged by the City of Central in a Technical Assistance contract to guide the City in funding and management decisions related to the Great Flood of 2016, which catastrophically impacted the city and its citizens in August 2016. The contract tasks have evolved and are ongoing as recovery continues. Mr. Songy is Principal-in-Charge for the following task orders (2016–Present):

- Damage Assessments, Project Worksheet (PW) Creation, FEMA Negotiation
- Open Drainage Cleaning
- HMGP
- Master Drainage Plan
- Resilience District

Mississippi Coastal Impact Assistance Program (CIAP). Six Coastal Counties, MS. *Principal-in-Charge.* Mr. Songy served as the Principal-in-Charge with oversight responsibility for all aspects of the delivery of the \$100 million CIAP program, funded to mitigate the impacts of oil and gas activity in the Mississippi's coastal zone. CSRS was responsible for administering all facets of the program, consisting of 105 projects throughout six coastal counties. Efforts included plan development, grant writing and management, project management, and coordination with each of the local governments. (2013–2016)

Louisiana Coastal Impact Assistance Program (CIAP), Louisiana Coastal Protection & Restoration Authority (CPRA). 19 Coastal Parishes, LA. *Principal-in-Charge.* Mr. Songy provided oversight and advisory services in the implementation of 11 state projects, 75 parish projects, and 17 state-parish shared projects. CSRS provided services to the state and the parishes regarding CIAP compliance requirements, the preparation of grant applications, budgeting, scheduling, plan amendments and revisions, planning and project decision-making assistance, and many other administrative roles. Total program funding was approximately \$500 million. In this role, Mr. Songy provided expert advice and recommendations for the Coastal Forest Conservation Initiative, a complex land acquisition initiative intended to conserve more than 40,000 acres in perpetuity. (2007–2014)

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title: Shawn Sherrow, PE



Mr. Sherrow is a licensed civil engineer with 19 years of civil engineering experience in designing, reviewing, and managing multiple types of projects for both public and private sectors. His project work includes roadways, drainage, stormwater management, and land development projects. Most of Mr. Sherrow’s professional experience has required him to serve as both a construction plan reviewer and project manager for both the private and public sector projects.

Mr. Sherrow’s dual role has accelerated his professional experience through his involvement in all stages of projects including conceptual design, cost estimating, final design, bid document preparation, public bidding, permitting, utility coordination, and construction administration.

Project Assignment:

Lead Engineer

Name of Firm with which associated:

CSRS, LLC

Years’ experience with this Firm:

17

Education: Degree(s)/Year/Specialization:

B.S., Civil Engineering, University of Kentucky, 2002

Active registration: Year first registered/discipline:

Professional Engineer, Civil, TX License No. 117817, 2015
Professional Engineer, Civil, LA License No. 33651, 2007

Other experience and qualifications relevant to the proposed Project:

Ascension Parish Floodplain Management. Ascension Parish, LA. *Project Manager.* East Ascension Consolidated Gravity District #1 sought the services of a professional consultant to implement a parish-wide Floodplain Management Plan. CSRS, as a subconsultant to HNTB, is responsible for research, data collection, review and assessment of all documentation related to Ascension Parish’s flooding history. Additionally, CSRS is responsible for floodplain recommendations and implementation strategies. (2017–Present)

Green Light Plan Road Improvements Program. Baton Rouge, LA. *Project Manager.* Mr. Sherrow served as the program’s Hydrology and Hydraulics Reviewer and Project Manager for approximately 10 of the 42 roadway projects. His project management role with the program has required extensive involvement in the conceptual design phase, public input process and construction management of each project. As the Hydrology and Hydraulics Reviewer within the Green Light Plan, Mr. Sherrow has gained extensive experience in analyzing projects. Through thorough analysis, he confirms not only conformance with minimum drainage design requirements, but also identifies possible alternatives to the design that may reduce overall costs, minimize right of way impacts, limit adverse drainage impacts, and ease construction efforts. The Project Manager role required Mr. Sherrow to manage design firms, coordinate permitting requirements, prepare specifications, manage the public bid process, and provide project scheduling. (2008–Present)

Easy Streets Traffic Enhancements–Phase I & II, Louisiana State University. Baton Rouge, LA. *Project Manager.* Mr. Sherrow was the Project Manager for this project, consisting of the reconfiguration of approximately 534 parking spaces, introduction of traffic calming and shared road concepts, pedestrian crosswalks, lighting, signage, and landscaping. Easy Streets II sought to facilitate safe bicycle use by introducing a series of designated bikeway corridors throughout campus. In addition, the restriction of vehicles along Tower Drive to enhance pedestrian safety along the corridor by minimizing pedestrian/vehicular conflicts. CSRS was selected to provide topographic surveys, roadway design and alignment study, preliminary and final plans, right of way surveys and maps, investigation of drainage and flood level impacts and permitting coordination. (2012–2015)

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title: David Lessinger



Mr. Lessinger has 19 years of experience in urban planning, community revitalization, resilience planning, and city government operations. He is a mission-driven professional skilled at managing teams and working across disciplines. An excellent communicator and resourceful problem-solver, Mr. Lessinger is known for facilitating solutions through collaboration, especially in the areas of climate adaptation, disaster risk reduction, and resilience.

Project Assignment:

Senior Resilience Planner

Name of Firm with which associated:

CSRS, LLC

Years' experience with this Firm:

4

Education: Degree(s)/Year/Specialization:

B.A., Environmental Studies, Oberlin College, Oberlin, OH, 2000
M.A., Regional Planning, City and Regional Planning, Cornell University, Ithaca, NY, 2007
Certificate in Urban Redevelopment, University of Pennsylvania, Philadelphia, PA, 2008

Active registration: Year first registered/discipline:

N/A

Other experience and qualifications relevant to the proposed Project:

Louisiana Watershed Initiative. Statewide, LA. Project Manager. CSRS is one of the state's program management consultants for the Louisiana Watershed Initiative (LWI), primarily funded with \$1.2 billion in CDBG-Mitigation funding and focused on transforming the state's approach to flood risk by regionalizing watershed and floodplain management. As Project Manager, Mr. Lessinger leads a team that designs and manages capacity building programs and policy development for local governments related to regional watershed management. The LWI seeks to manage future flood risk in Louisiana through a combination of state-led and regional watershed-based solutions and is overseen by the Governor's five-agency Council on Watershed Management. (2019–Present)

Belle Terre Streetscape & Green Infrastructure Improvements. St. John the Baptist Parish, LA. Resilience Advisor. Mr. Lessinger serves as Resilience Advisor on the design and development of this Complete Streets project which integrates bicycle and pedestrian amenities and green infrastructure into the re-conceptualization of this state highway and gateway to St. John the Baptist Parish. This project seeks to increase safety, reduce flood risk, improve water quality, and spur economic development along the Belle Terre commercial corridor. Mr. Lessinger advises on how to incorporate best practices for green infrastructure and bicycle/pedestrian elements with minimal disruption while maximizing co-benefits. Mr. Lessinger also supports all aspects of the project including coordinating subject matter experts and project logistics. (2020–Present)

Other experience and qualifications relevant to the proposed Project: (cont)

TDRs as a Climate Resilience Tool. Los Angeles, CA. *Resilience Advisor.* Los Angeles County faces a broad range of climate risks and natural hazards across its diverse landscape. Seeking a market-driven land use tool to address wildfire risk, the County turned to CSRS to assess the feasibility of using Transfer of Development Rights (TDRs) and similar tools as a climate resilience tool. Supported by a grant from Resilient Cities Catalyst, CSRS investigated various physical challenges, market constraints, and policy requirements required to enable a successful TDR program and how such a tool could be designed to address environmental protection and risk reduction in the county's most wildfire prone areas. (2020)

Budgeting for Community Resilience. Boulder, CO. *Resilience Advisor/Project Manager.* In the wake of successive natural disasters, the City of Boulder created its Sustainability and Resilience Framework and Resilience Strategy to position its communities to rebound, adapt, and thrive amidst changing conditions and challenges. In this project, Boulder sought to move beyond resilience planning toward the institutionalization of resilience through its city budgeting process. Mr. Lessinger served as a Resilience Advisor, providing guidance on best practices for integrating measurable outcomes for the city's goals into the city budgeting process. He worked with City staff to develop key performance indicators to assess the impact of investments in resilience and sustainability and seek ways to optimize the city's effectiveness. (2018–2019)

Stormwater Management & Low-Impact Development Program. St John the Baptist Parish, LA. *Project Manager.* Mr. Lessinger served as the project manager, providing analysis of municipal codes and plans, recommending development standards and policies, and delivering training materials to incorporate best practices for low-impact development and green infrastructure. The Parish adopted the code amendments in 2019 to provide both environmental and flood risk reduction benefits. Mr. Lessinger also manages all aspects of the project including coordinating subject matter experts and project logistics. (2019–2020)

National Disaster Resilience Competition: Gentilly Resilience District, New Orleans Redevelopment Authority. New Orleans, LA. *Project Manager.* Mr. Lessinger managed the development of the City's application to U.S. HUD's National Disaster Resilience Competition, which was awarded \$141 million to implement the Gentilly Resilience District, the second largest award in the country and one of 13 awards nationally out of over 60 applicants. The project takes a district-based approach to reducing flood risk through green infrastructure while creating recreation and redevelopment opportunities along with a rain garden program for low and moderate-income homeowners. (2014–2015)

Resilient New Orleans, City of New Orleans Resilience Strategy, New Orleans Redevelopment Authority. New Orleans, LA. *Project Manager.* Mr. Lessinger managed the development, launch, and implementation of the city's resilience strategy, released in August 2015. Resilient New Orleans was the first stand-alone city resilience strategy released under the Rockefeller Foundation's 100 Resilient Cities program. The strategy received the National Best Practice Award from the American Planning Association and has been recognized by cities around the world as a model. The strategy has also been the foundation and guide for tens of millions of dollars in new investment in risk reduction projects and programs across the city. (2014–2015)

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title: Brandon Campo, EI



Mr. Campo is a Louisiana Licensed Engineer Intern (EI) at CSRS, LLC with nearly a year of experience in water resources and hydraulic and hydrologic engineering. He is responsible for the development of hydraulic and hydrologic models, analysis of model output data using computer methods, and mapping outcomes using GIS software, all in service of project deliverables and time constraints.

Project Assignment:

Engineer Intern

Name of Firm with which associated:

CSRS, LLC

Years' experience with this Firm:

3

Education: Degree(s)/Year/Specialization:

Louisiana State University, B.S., Civil Engineering, 2019

Active registration: Year first registered/discipline:

Louisiana EI.0034306, 2019

Other experience and qualifications relevant to the proposed Project:

LSU Health Sciences Center Storm Water Assessment. New Orleans, LA. Engineer Intern. CSRS, LLC is contracted with the Louisiana State University Health Sciences Center to develop a flood risk profile for its downtown campus. Mr. Campo assessed available data under the guidance of a senior engineer and developed a MATLAB computer script which reads model output data and survey data to build flood risk profiles for each building on campus. (2019–Present)

Amite River Basin Commission Flood Map Greenwood Park and Baton Rouge Zoo 2D Modeling. Baton Rouge, LA. Engineer Intern. CSRS, LLC is part of a team of flood risk management experts assembled by the Amite River Basin Commission to prepare an Online High Definition Map of the August 2016 flood. Mr. Campo performed a review of a regional 1D-2D HEC-RAS model in order to identify potential modeling concerns. (2019–Present)

Calcasieu Parish Drainage Master Plan. Calcasieu Parish, LA. Engineer Intern. CSRS, LLC is a subconsultant to C.H. Fenstermaker on the Calcasieu Parish Drainage Master Plan for the Calcasieu Parish Police Jury. Mr. Campo is part of a team of engineers running hydraulic models incorporating project measures in the Lake Charles watershed to assess their benefits and conducting data gap analyses for the rest of the parish. (2019–Present)

Baton Rouge Lakes Flood Risk Reduction. Baton Rouge, LA. Engineer Intern. Mr. Campo assisted in the development of a high-resolution 2D hydrodynamic model of Corporation Canal, Bayou Duplantier, and Dawson Creek watersheds including the Baton Rouge Lakes. CSRS, LLC utilized the model to estimate the flood risk reduction benefits of Baton Rouge Area Foundation's Baton Rouge Lakes Master Plan and evaluate alternatives to reduce flood risk. (2019–Present)

EBR Stormwater Master Plan–Phase 2, Initiation of EBR Parish Stormwater Master Plan. East Baton Rouge Parish, LA. Engineer Intern. Mr. Campo assisted in the review of all current stormwater ordinances, development guidance, and checklists. He is assisting the drafting of recommendations to the Parish to update ordinances, guidance material, and checklists to ensure all standards and requirements are consistent. In addition, he is assisting in the development of MATLAB scripts with obtain, process, and plot data from all USGS gauge stations within the Parish. (2018–Present)

Other experience and qualifications relevant to the proposed Project: (cont)

City of Central Drainage Master Plan. Central, LA. Engineer Intern. Mr. Campo is part of a team of engineers which developed and calibrated 6 high-resolution 1 and 2D hydrodynamic models for existing conditions of the internal streams in the City of Central using the latest high-resolution LiDAR data and channel surveys. The team evaluated existing structures and main channels during the 4% Annual Exceedance Probability (AEP) or 25-year return interval synthetic storm event, and designed improvements for structures and channels failing to meet this level of service. Additionally, the team identified regional detention areas which could reduce flood risk for the city. CSRS engineers assessed impacts from flooding with and without improvements for the calculation of cost/benefit ratios for the HMGP application BCAs. (2018–Present)

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

PROJECT NO. 1



Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Lafayette Consolidated Government Comprehensive Stormwater Plan Lafayette, LA Fred Trahan, PE Civil Engineering Supervisor Company 1515 E. University Ave., Bldg. A, Lafayette, LA 70506 (337) 291-5680 fjtrahan@lafayettela.gov</p>	<p>Recent flooding throughout Lafayette Parish has elevated the need for Lafayette Consolidated Government (LCG) to develop a comprehensive stormwater management plan. LCG selected CSRS to develop an accurate, current and complete understanding of the Parish's drainage infrastructure and potential solutions to drainage issues both now and into the future. CSRS is managing a team to complete the project in two phases.</p> <p>Phase 1 is currently in progress. CSRS has conducted a thorough data gathering exercise to collect as much existing data from Lafayette Parish, local municipalities and other entities.</p> <p>CSRS has developed a GIS platform which we utilized to conduct a comprehensive evaluation of the existing system, identify problem areas, and propose solutions. CSRS has met with the parish and each municipality and local entity within the parish to identify all recent, current, and future drainage projects. We performed a flood hazard risk assessment in which we utilized FEMA flood maps, repetitive loss data, critical infrastructure, and other layers to graphically overlay and score each revealing low, medium, and high risk areas of the parish. These zones are part of the project prioritization. CSRS is prioritizing the current and future list of projects and identifying appropriate funding sources for each.</p> <p>The parish understands that not all areas can be mitigated through a project, so CSRS has developed a non-structural Resilience Program framework that the parish can use to identify these properties and funding sources to elevate, buyout, or floodproof them. The CSRS team will use this information to identify where hydraulic models need to be updated and/or developed. We will develop milestones, a timeline and a budget to complete the Stormwater Plan in Phase 2.</p>	
<p>Completion Date (Actual or estimated):</p>	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
<p>2022 (E)</p>	<p>\$300,000 (Phase 1)</p>	<p>\$300,000 (CSRS Fee, Phase 1)</p>
<p>2025 (E)</p>	<p>\$12,000,000 (Phase 2)</p>	<p>TBD (CSRS Fee, Phase 2)</p>

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.

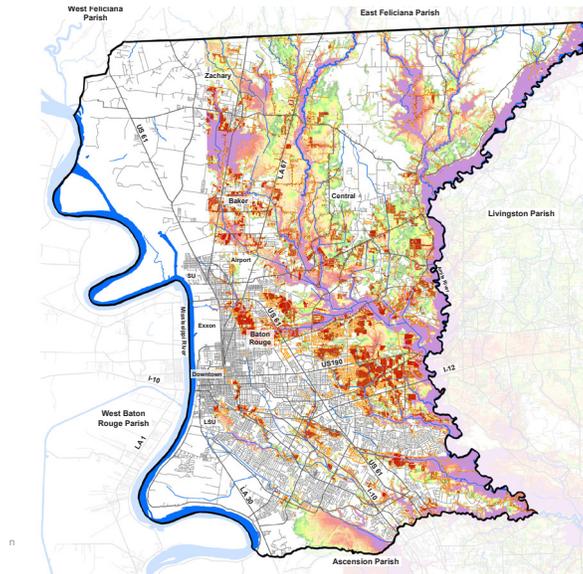
PROJECT NO. 2



Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:					
<p>Isle de Jean Charles Community Resettlement Program</p> <p>Isle de Jean Charles, LA</p> <p>Pat Forbes Executive Director (225) 342-1626 pat.forbes@la.gov</p>	<p>Isle de Jean Charles, Louisiana is a place of exceptional beauty, biodiversity, and deep cultural roots. But this once thriving settlement in the coastal bayous of Terrebonne Parish has lost 98% of its land mass over the past 60 years, leaving only a 320-acre strip of land that is extremely vulnerable to high tides, and rising sea levels, and storm surge. This predicament has led to a partnership between the island's residents and the State of Louisiana in which the settlement will be relocated to a safer, more sustainable area about 40 miles inland, utilizing funds from the U.S. Department of Housing and Urban Development. This new settlement will include more than 500 homes, walking trails, a community center, commercial and retail space, and other amenities tailored to the needs to island residents.</p> <p>During Phase I of the partnership, the residents' different priorities were identified through outreach and focus group sessions. During Phase II, CSRS worked with island residents to create a comprehensive Community Master Plan for the new settlement, including:</p> <ul style="list-style-type: none"> • Overall program management for the delivery of the Community Master Plan on time and within budget • Survey services for real estate transaction and master plan development • Design, planning, economic analysis, environmental analysis, wetlands delineation, community engagement, and cost estimation • Recommendation of alternative options to stakeholders based on careful evaluation <p>Phase III of the partnership is currently underway, and CSRS was again selected as the prime contractor to provide the following services, to be completed by September 2023:</p> <ul style="list-style-type: none"> • Overall project management • Topographic survey and subdivision filing plats • Hydraulic drainage study • Final design and construction documents, including trails and recreational facilities. 					
<p>Completion Date (Actual or estimated):</p> <p>2023 (E)</p>	<p>Estimated Cost:</p> <table border="1"> <thead> <tr> <th data-bbox="477 1843 837 1915">Entire Project:</th> <th data-bbox="837 1843 1528 1915">Work for which Firm was Responsible:</th> </tr> </thead> <tbody> <tr> <td data-bbox="477 1915 837 1974">\$48,000,000</td> <td data-bbox="837 1915 1528 1974">\$5,000,000 (CSRS Fee)</td> </tr> </tbody> </table>		Entire Project:	Work for which Firm was Responsible:	\$48,000,000	\$5,000,000 (CSRS Fee)
Entire Project:	Work for which Firm was Responsible:					
\$48,000,000	\$5,000,000 (CSRS Fee)					

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:

East Baton Rouge Stormwater Master Plan

East Baton Rouge, LA

Melissa Kennedy, PE, Project Manager

HNTB Corporation

10000 Perkins Rowe, Ste.

640, Baton Rouge, LA

(225) 368-2845

makennedy@hntb.com

The 2016 widespread flooding in East Baton Rouge Parish exposed the need to address flooding on a local as well as regional basis by working with representatives from adjacent parishes to review flooding along the lower reaches of the Amite River and Bayou Manchac. The City of Baton Rouge and Parish of East Baton Rouge selected HNTB Corporation with its partner CSRS to assist in the development of a Parish Stormwater Master Plan.

The Stormwater Master Plan will identify and evaluate the existing drainage system, prioritize improvements to the system, develop concept level designs, and estimate capital and operational costs. The master plan will also identify modifications or additions to the stormwater system necessary to address the need for surface water quality improvements.

CSRS worked with HNTB to develop design criteria and methodology to support the development and application of the 2D HEC-RAS models, utilizing the HEC's just released version 6.0. Currently, CSRS is leading a team of engineers to develop 2D HEC-RAS models used to estimate annualized costs of flood damage for existing conditions and proposed projects to understand how and when the parish should move forward with projects to mitigate flood damages now and in the future.

Additionally, CSRS is currently leading the teams' efforts in evaluating and updating the City-Parish's ordinances and codes, including coordinating and meeting with stakeholders to update development standards to reduce flood risk and include more sustainable solutions.

Completion Date (Actual or estimated):

Estimated Cost:

Entire Project:

Work for which Firm was Responsible:

2023 (E)

\$15,000,000

\$1,088,000

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. 4



Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:					
<p>Louisiana Watershed Initiative Statewide, LA Alex Gelpi Carter, AICP Resilience Planning Manager Louisiana Watershed Initiative Louisiana Office of Community Development (504) 556-9735 alexandra.carter@la.gov</p>	<p>Following the Great Flood of 2016, Governor John Bel Edwards issued an executive order to establish the Council on Watershed Management, which began to develop the Louisiana Watershed Initiative (LWI), a statewide floodplain management program based on watersheds as opposed to the political and jurisdictional boundaries. Since flooding is closely tied to land use, policy, and infrastructure decisions among multiple governing authorities, the goal of the LWI is to facilitate coordination across state agencies and among local communities to develop regional solutions that follow watershed boundaries, reduce flood risk, and build resilience across Louisiana. The LWI includes subject matter experts from all levels of government, universities and the private sector to build a foundation of data, projects, policies, and standards to guide this program. The state of Louisiana is making a massive initial investment of over \$1.2 billion in the Louisiana Watershed Initiative with US HUD Community Development Block Grant-Mitigation (CDBG-MIT) dollars to fund project design and construction, regional capacity building, policy improvements, and watershed planning.</p> <p>CSRS is serving as the primary program manager for the development of regional watershed coalitions and plans and for the management of the CDBG-MIT grant. To achieve this, CSRS is providing technical assistance to the State of Louisiana, planning and capacity building support to local and regional leaders, and co-designing the program infrastructure with the LWI staff. CSRS is developing technical resources to help local stakeholders understand their flood risk, while creating a framework for regional coalition building for watershed management and planning. CSRS is also providing the supportive services necessary to implement the LWI. CSRS is responsible for ensuring the accuracy, timeliness, and completion for all tasks under this contract.</p>					
<p>Completion Date (Actual or estimated):</p> <p>2024 (E)</p>	<p>Estimated Cost:</p> <table border="1"> <thead> <tr> <th data-bbox="479 1864 836 1932">Entire Project:</th> <th data-bbox="836 1864 1529 1932">Work for which Firm was Responsible:</th> </tr> </thead> <tbody> <tr> <td data-bbox="479 1932 836 1995">\$1,200,000,000</td> <td data-bbox="836 1932 1529 1995">\$1,500,000 (CSRS Fee)</td> </tr> </tbody> </table>		Entire Project:	Work for which Firm was Responsible:	\$1,200,000,000	\$1,500,000 (CSRS Fee)
Entire Project:	Work for which Firm was Responsible:					
\$1,200,000,000	\$1,500,000 (CSRS Fee)					

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.

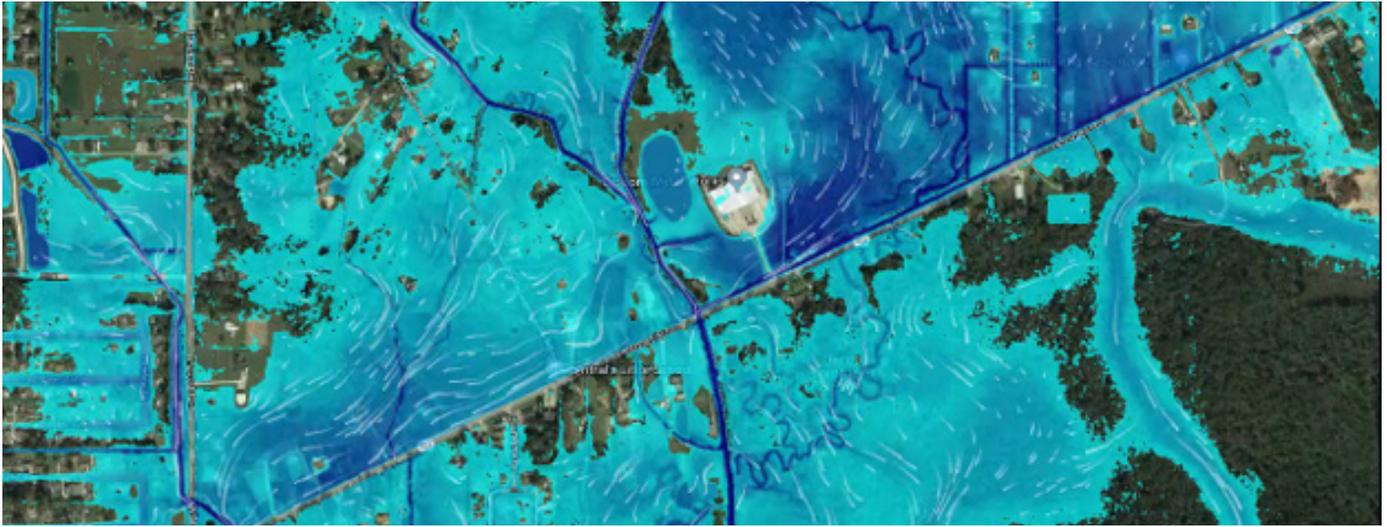
PROJECT NO. 5



Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>University Lakes Restoration Project Baton Rouge, LA Leu Anne Greco Vice President & General Counsel LSU Foundation (225) 578-0525 lgreco@lsufoundation.org</p>	<p>The University Lakes system, adjacent to Louisiana State University, is being transformed into an unmatched environmental asset addressing flood risk reduction needs, ecological restoration and demands for recreational amenities for all people of Baton Rouge. To do so, the University Lakes will be re-imagined to address local climate adaptation needs, serving a sustainable ecological jewel that improves water quality and offers habitat for aquatic and land based flora and fauna, all while reducing flood risk.</p> <p>A coalition of state, local and university partners formed in the fall of 2019 to restore the lakes by implementing the 2016 Baton Rouge Lakes Master Plan. Partners include the State of Louisiana, the City of Baton Rouge, Parish of East Baton Rouge, BREC, LSU and the LSU Foundation, and the Baton Rouge Area Foundation. Together, these organizations make up the Project Management Committee, which oversees and provides direction to the project. University Lakes, LLC, a wholly-owned subsidiary of the LSU Real Estate and Facilities Foundation, is issuing the contracts and will oversee work that includes deepening all six lakes, restoring habitat, and building sidewalks and bike paths around the lakes.</p> <p>CSRS serves as the primary project advisor, responsible for managing and securing outside funding, cash flow and financial modeling, design contract administration, environmental analysis and overall program management, including a recent FEMA Flood Risk Reduction Benefit Cost Analysis for recent non-disaster program submissions.</p>	
<p>Completion Date (Actual or estimated):</p>	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2024 (E)	\$100,000,000	\$830,000

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. 6



Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Central Flood Recovery Program and Drainage Master Plan</p> <p>Central, LA</p> <p>David Barrow, Mayor City of Central 13421 Hooper Road, Ste. 8 Central, LA 70818 (225) 261-5988 david.barrow@csntral-la.gov</p>	<p>The City of Central hired CSRS to guide funding and management decisions to expedite disaster relief funding for the 1,000-year flood that catastrophically impacted the City in August 2016. CSRS deployed its policy and PA subject matter experts to manage funding from numerous sources, including the FEMA PA Program, insurance and anticipated HUD CDBG funds for "match" funding; including identifying hazard mitigation and resiliency funding options to strengthen communities in the case of future disasters.</p> <p>CSRS focused on providing technical assistance to the City for the urgent debris removal operations, emergency push/road clearance coordination, and other critical recovery services; focusing on compliance required to ensure federal FEMA reimbursement. CSRS performed initial identification to develop FEMA Project Worksheets, maximize reimbursements, maintain eligibility of project costs, and create a predictable flow of operating capital to fund the recovery needs.</p> <p>CSRS continues to provide the City with grant management and project management advice and guidance; specifically, in identifying and developing the scope and cost estimates for millions of dollars of damages to the road network and drainage infrastructure within the city boundaries. CSRS ensures federal compliance requirements are met throughout the entire project cycle and is positioned to manage the project through to successful close-out.</p> <p>In October 2017, CSRS was issued a Supplemental Amendment to the original contract to prepare a Master Drainage Plan. The scope of services CSRS is performing related to the Master Plan includes: Review and monitor drainage studies, quantify effects of 2016 flood, perform existing conditions assessments, define all aspects of the Master Plan such as ownership, regulating authorities, environmental constraints, and establish existing right-of-way database. CSRS is also responsible for all community outreach and regular updates presented to stakeholders, council members, and citizens.</p> <p>Recently, the CSRS team conducted FEMA flood risk reduction BCAs on all projects identified in the Drainage Master Plan to prioritize those best suited for FEMA nationally competitive non disaster and disaster hazard mitigation programs.</p>	
<p>Completion Date (Actual or estimated):</p> <p>2019</p>	Estimated Cost:	
	<p>Entire Project:</p> <p>\$60,000,000</p>	<p>Work for which Firm was Responsible:</p> <p>\$7,500,000 (CSRS Fee)</p>

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:					
<p>Mandeville Resilience Plan</p> <p>Mandeville, LA</p> <p>Sam Martin, PMP Coastal Resources Senior Scientist Coastal Protection and Restoration Authority, Planning and Research Division The Water Campus, 150 Terrace Avenue Baton Rouge, LA 70802 (225) 342-9025 sam.martin@la.gov</p>	<p>CSRS is leading the first community scaled resilience planning pilot project funded by the Coastal Protection and Restoration Authority (CPRA). The pilot program is intended to inform a framework for CPRA to assist coastal communities in determining an acceptable level of risk, identify hazards and creating policy and project solutions to reduce risk and improve community resilience. As a part of this effort, CSRS will work with key stakeholders and the public in Mandeville to identify the local context for resilience and inform grounded strategies that improve the community's ability to respond to and recover from natural hazards.</p> <p>Following identification of the community's desired resilience goals, CSRS will develop detailed surface 2D hydraulic and hydrologic (H&H) models that factor in storm surge, fluvial flood risk and their complex interactions for the areas of St. Tammany Parish located south of Interstate-12. Layered into this analysis will be an assessment of what critical infrastructure, housing, commercial and industrial real estate are at risk from flooding under various scenarios, including the impact of different growth scenarios.</p> <p>The risk modeling and hazard identification will inform opportunities to position projects, including initial assessments of benefits and costs, and develop policies that reduce existing risk and inform future growth. CSRS will work with CPRA and the City of Mandeville to identify grounded project and policy strategies that respond to the available funding landscape and political constraints.</p>					
<p>Completion Date (Actual or estimated):</p> <p>2023 (E)</p>	<p>Estimated Cost:</p> <table border="1"> <thead> <tr> <th data-bbox="477 1864 837 1934">Entire Project:</th> <th data-bbox="837 1864 1529 1934">Work for which Firm was Responsible:</th> </tr> </thead> <tbody> <tr> <td data-bbox="477 1934 837 1995">\$227,000</td> <td data-bbox="837 1934 1529 1995">\$227,000 (CSRS Fee)</td> </tr> </tbody> </table>		Entire Project:	Work for which Firm was Responsible:	\$227,000	\$227,000 (CSRS Fee)
Entire Project:	Work for which Firm was Responsible:					
\$227,000	\$227,000 (CSRS Fee)					

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.

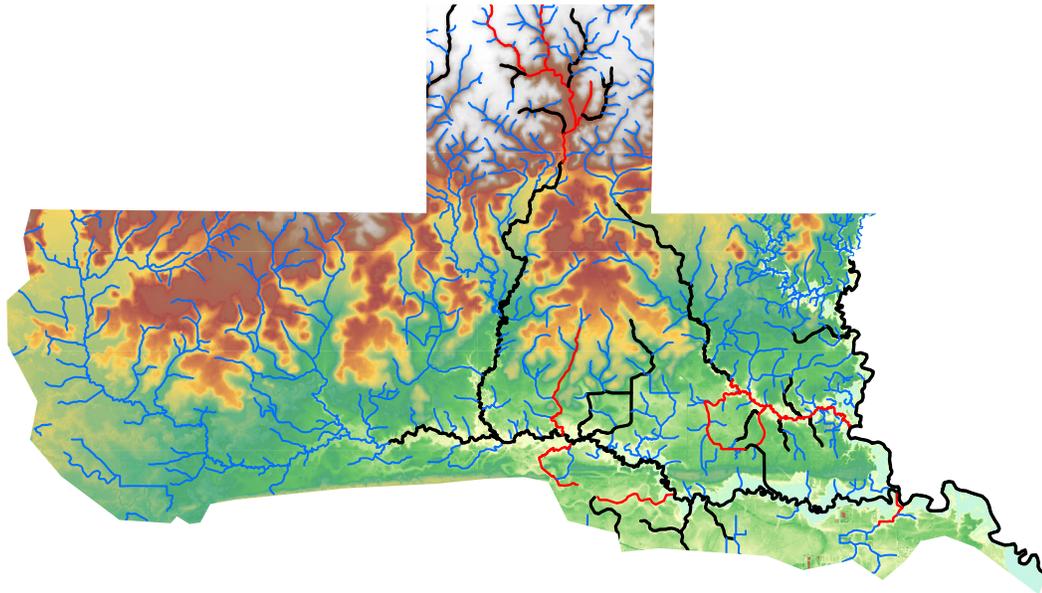
PROJECT NO. 8



Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:					
<p>Jefferson Parish Disaster Grants Management Services (Hurricane Ida)</p> <p>Jefferson Parish, LA</p> <p>Nichole Gaubert Director of Public Safety Grants & Administration Jefferson Parish Government 200 Derbigny Street, Suite 4200 Gretna, LA 70053 504-227-1374 ngaubert@jeffparish.net</p>	<p>In the aftermath of historic Category 4 Hurricane Ida that battered south Louisiana in August 2021, Jefferson Parish activated its stand-by professional services contract with CSRS to assist in the formulation of over 1,000 disaster recovery grants for the repair and reconstruction of the numerous facilities damaged or destroyed by the sustained winds of up to 150mph.</p> <p>CSRS is engaged as the responsible party to ensure all Parish affected facilities and structures are properly assessed, that all damages are well documented to inform the AE scope(s) of repair work, and to facilitate the reporting and recordation of damage claims to FEMA's Public Assistance Program. Jefferson Parish had received FEMA Public Assistance funding from previous disasters; therefore, CSRS also analyzed the Parish's insurance "Obtain and Maintain" requirements from the previous grants to ensure compliance and no duplication of benefits were being received for Hurricane Ida. For the disaster costs already incurred, the grants team works closely and collaborates with various funding agencies and internal Parish departments to ensure the proper use and application of federal and state funds.</p> <p>CSRS assists the Parish in managing the grant funding in relation to their three Memorandums of Understanding (MOUs) with three smaller applicants within the Parish, providing policy guidance and process assistance to ensure clean lines of delineation for the recovery project funding.</p>					
<p>Completion Date (Actual or estimated):</p> <p>2024 (E)</p>	<p>Estimated Cost:</p> <table border="1" data-bbox="479 1864 1529 1995"> <tr> <th data-bbox="479 1864 837 1934">Entire Project:</th> <th data-bbox="837 1864 1529 1934">Work for which Firm was Responsible:</th> </tr> <tr> <td data-bbox="479 1934 837 1995">\$200,000,000</td> <td data-bbox="837 1934 1529 1995">\$1,500,000 (current CSRS NTE)</td> </tr> </table>		Entire Project:	Work for which Firm was Responsible:	\$200,000,000	\$1,500,000 (current CSRS NTE)
Entire Project:	Work for which Firm was Responsible:					
\$200,000,000	\$1,500,000 (current CSRS NTE)					

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:					
<p>Calcasieu Parish Drainage Master Plan</p> <p>Calcasieu Parish, LA</p> <p>Jeanne Hornsby, MS, PE, Engineering Director C.H. Fenstermaker & Associates 135 Regency Square, Lafayette, LA jeanne@fenstermaker.com (337) 237-2200</p>	<p>CSRS is a subconsultant to C.H. Fenstermaker (CHF) assisting in the development of a regional watershed plan for Calcasieu Parish. CSRS engaged a variety of stakeholders at the onset of the project to set overall goals for the planning process and prioritize the 10 regional watersheds in Calcasieu Parish for planning. CSRS performed an asset inventory throughout the parish through meeting with several municipalities, drainage districts, and other entities.</p> <p>CSRS conducted data gap analyses for several watersheds to identify additional survey needs to develop hydraulic models. CSRS worked with CHF to identify an enhanced hydraulic analysis for watersheds utilizing 2-dimensional (2D) numerical models and is developing models in HEC-RAS for the Houston River and Bayou Lacassine watersheds.</p> <p>CSRS is currently calibrating the models to historical events and will assess the existing conditions to help identify flood mitigation projects, analyze the projects to identify their benefits and perform a benefit-cost analysis to identify the cost-effectiveness of each project.</p>					
<p>Completion Date (Actual or estimated):</p> <p>2023 (E)</p>	<p>Estimated Cost:</p> <table border="1" data-bbox="477 1864 1528 1995"> <thead> <tr> <th data-bbox="477 1864 837 1934">Entire Project:</th> <th data-bbox="837 1864 1528 1934">Work for which Firm was Responsible:</th> </tr> </thead> <tbody> <tr> <td data-bbox="477 1934 837 1995">\$7,000,000</td> <td data-bbox="837 1934 1528 1995">\$1,000,000 (CSRS fee)</td> </tr> </tbody> </table>		Entire Project:	Work for which Firm was Responsible:	\$7,000,000	\$1,000,000 (CSRS fee)
Entire Project:	Work for which Firm was Responsible:					
\$7,000,000	\$1,000,000 (CSRS fee)					

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. 10



Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>BREC Central Community Sports Park</p> <p>Central, LA</p> <p>Reed Richard, CPRP, AICP, ASLA</p> <p>Assistant Superintendent System Planning</p> <p>BREC</p> <p>6201 Florida Boulevard, Baton Rouge, LA 70806</p> <p>(225) 273-6405 ext. 1369</p> <p>rrichard@brec.org</p>	<p>Central Community Sports Park is a new first-class facility containing seven softball/ baseball fields with lights, a concession/restroom building, 1/3-mile concrete walking path, four interconnected ponds, and a large fishing lake on 53 acres off Lovett Road in Central, Louisiana. Phase II of the site improvements included two additional baseball fields with lights, four multi-use fields, approximately 330 parking spaces, and a new playground.</p> <p>CSRS was selected by BREC to provide comprehensive site consulting services including engineering design, surveying, bidding services, and construction management services. The project was developed in an existing floodway, which required complex pond modeling and innovative drainage design to ensure flood storage was not reduced by the development of the park.</p> <p>Our design solution for Phase I & II called for over 80,000 cubic yards of earthmoving to construct an interconnected pond system that serves multiple purposes of flood storage, storm water detention, and recreational uses for park patrons and surrounding landowners. This park was completed for BREC under the Imagine Your Parks initiative.</p> <p>For phase III, CSRS was selected by BREC to provide site consulting services including engineering design, surveying, bidding services, and construction management services. The project required the addition of several prefabricated buildings, additional parking, and drainage improvements. CSRS prepared plans for improvements and expansion of the existing irrigation system to provide increased capacity, coverage, and operational flexibility to the existing irrigation system.</p>	
<p>Completion Date (Actual or estimated):</p>	<p>Estimated Cost:</p>	
<p>2014</p>	<p>Entire Project:</p> <p>\$9,000,000</p>	<p>Work for which Firm was Responsible:</p> <p>\$550,000 (CSRS Fee)</p>

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		
2.		
3.		
4.		
5.		
6.		

*CSRS has no prior or ongoing lawsuits with Jefferson Parish.

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

CSRS is a firm leading the way in the emerging resilience sector. For over 40 years, CSRS has leveraged our innovation and leadership expertise to improve and revitalize our communities. With a culture of creative thinking, we provide a balance between big ideas and the technical ability to deliver a successful project every time, no matter how large, complex, or challenging.

In Louisiana, we're no strangers to living with water. Our engineers have extensive experience with water management and resilient development, having designed and built projects that provide flood risk reduction, improved aesthetics, recreational spaces, and increased potential for economic revitalization. We design and review water management projects through diligent planning and dedication. Creating strong communities built upon solid infrastructure, efficient facilities, and purposeful development is our mission. As your trusted partner, CSRS makes such outcomes possible. Our Water Resources, Planning + Resilience and Grant Management Practices are working at the forefront of the discipline, from managing the first federally funded climate relocation program in the United States to designing statewide climate adaptation programs to support balanced approaches to watershed management.

CSRS is a leader in complex program and project delivery for public and private organizations. We are thought leaders, engineers, landscape architects, urban planners, program managers, social scientists, architects, development advisors, government advisory consultants, grant managers, climate adaptation specialists, and disaster recovery professionals. Whether we manage the process or perform the work ourselves, we understand every facet of successful project and program implementation.

We offer client focused solutions designed to meet the unique requirements of projects of all types and sizes. Our reputation for excellence is a product of a strong commitment to collaborative, multi-disciplinary, problem-solving. We work side-by-side and office-to-office, combining the skills, energy and focus needed to create and implement solutions in partnership with our clients.

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

Signature:  **Print Name:** Stokka Brown
Title: Principal and Water Resources Practice Leader **Date:** 04.19.2022



**REQUEST FOR
QUALIFICATIONS FOR**

Bucktown Building Resilient
Infrastructure and Communities
(BRIC) Scoping Grant

**DANA BROWN &
ASSOCIATES, INC. TEC
PROFESSIONAL SERVICES
QUESTIONNAIRE**

DBA TEC Professional
Services Questionnaire

TEC PROFESSIONAL SERVICES QUESTIONNAIRE

A. Project Name and Advertisement Resolution Number:

Bucktown Building Resilient Infrastructure and Communities (BRIC) Scoping Grant - SOQ No. 22-016
Resolution No. 139147

B. Firm Name & Address:

Dana Brown & Associates, Inc.
1836 Valence St.
New Orleans, LA 70115



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:

Dana Nunez Brown, FASLA, PLA, AICP, LEED AP
President, Dana Brown & Associates
dbrown@danabrownassociates.com
504.345.2639

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.

Dana Nunez Brown, FASLA, PLA, AICP, LEED AP
President, Dana Brown & Associates
dbrown@danabrownassociates.com
504.345.2639

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

2	Administrative		Estimators		Specifications Writers
	Architects (Licensed)		Geologists		Structural Engineers
	Chemical Engineers		Geotechnical Engineers		Graduate Engineers
	Civil Engineers		Interior Designers		Project Managers
	Construction Inspectors	4	Landscape Architects		Clerical
	Ecologists		Land Surveyor		Grant/Funding Specialist
	Electrical Engineers		Mechanical Engineers		Sanitary Engineers
	Engineer Intern		Environmental Engineers	3	Landscape Designers
	Professional Land Surveyor			9	TOTAL

D. Is this submittal by a JOINT-VENTURE?

Please check: YES _____ NO X

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

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		
2.		
N/A		

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

5

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: Dana Nunez Brown, FASLA, PLA, AICP, LEED AP
 President, Dana Brown & Associates, Inc.



Ms. Brown is a member of the American Institute of Certified Planners, a Fellow of the American Society of Landscape Architects, a Professional Landscape Architect registered in Louisiana, and a LEED Accredited Professional. With over 42 years of experience, she brings her expertise in land development code writing, planning, stormwater management, and sustainable design.

Project Assignment:

Principal Landscape Architect

Name of Firm with which associated:

Dana Brown & Associates, Inc.

Years' experience with this Firm:

18

Education: Degree(s)/Year/Specialization:

Master of Landscape Architecture, Harvard Graduate School of Design/1981
 Bachelor of Landscape Architecture, Louisiana State University/1979

Active registration: Year first registered/discipline:

1983/Louisiana Landscape Architecture License No. B-360

Other experience and qualifications relevant to the proposed Project:

FEATURED PLANNING PROJECTS

- EBR Comprehensive Plan, known as FuturEBR - Baton Rouge, LA – Principal-in-Charge**
- Hammond Subdivision and Zoning Codes for Resiliency - Hammond, LA – Principal-in-Charge**
- Iberville Parish Unified Development Code - Iberville Parish, LA – Principal-in-Charge**
- Paul Maillard Corridor Overlay District Code - St. Charles Parish, LA – Principal-in-Charge**
- Tangipahoa Parish Stormwater Study - Tangipahoa Parish, LA – Principal-in-Charge**

FEATURED STORMWATER MANAGEMENT PROJECTS

- Campus Federal Credit Union Tulane Avenue location – New Orleans, LA – Principal-in-Charge**
- Capital One Bank, Airline Highway location – Metairie, LA – Principal-in-Charge**
- Cherokee Street Improvements – New Orleans, LA – Principal-in-Charge**
- City of New Orleans Green Infrastructure Toolkit – New Orleans, LA– Principal-in-Charge**
- City Park New Orleans, Constructed Wetland – New Orleans, LA– Principal-in-Charge**
- City Park New Orleans, Tri-Centennial Parking Lot – New Orleans, LA– Principal-in-Charge**
- Conrad Park Stormwater Management – New Orleans, LA – Principal-in-Charge**
- Dillard University, Professional Schools Building & Student Union – New Orleans, LA – Principal-in-Charge**
- Episcopal High School – Baton Rouge, LA – Principal-in-Charge**
- Forest Park – Baton Rouge, LA – Principal-in-Charge**
- Global Green Building – New Orleans, LA – Principal-in-Charge**
- Greater New Orleans Urban Water Plan – Greater New Orleans Region – Principal-in-Charge**

Other experience and qualifications relevant to the proposed Project: (cont)

FEATURED STORMWATER MANAGEMENT PROJECTS (Cont'd)

St Tammany Low Impact Development Code - St. Tammany Parish, LA - *Principal-in-Charge*

Tangipahoa Regional Stormwater Projects - Tangipahoa Parish, LA - *Principal-in-Charge*

Tangipahoa Low Impact Development Code - Tangipahoa Parish, LA - *Principal-in-Charge*

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title: Danielle Duhé, ASLA, PLA, Principal



Ms. Duhé, a Principal at DBA, has extensive experience in the design and construction of stormwater management facilities in Southeast Louisiana. Over the past nine years, she has worked on over 30 stormwater management projects in Louisiana. In addition, she has provided services for comprehensive plans and development code updates, serving as Project Manager for the City of Gretna, City of Bogalusa, and Town of Sunset, LA.

Project Assignment:

Landscape Architect

Name of Firm with which associated:

Dana Brown & Associates, Inc.

Years' experience with this Firm:

9

Education: Degree(s)/Year/Specialization:

Bachelor of Landscape Architecture, Louisiana State University/2012

Active registration: Year first registered/discipline:

2019/Louisiana Licensed Landscape Architect, D-277

Other experience and qualifications relevant to the proposed Project:

PLANNING PROJECTS

- Bogalusa Comprehensive Plan and Development Code - Bogalusa, LA - Project Manager**
- Gretna Comprehensive Plan & Code Update - Gretna, LA - Project Manager**
- Town of Sunset Comprehensive Plan & Comprehensive Zoning Ordinance - Sunset, LA - Project Manager**
- Jefferson Parish Bicycle Master Plan - Jefferson Parish, LA - Project Manager**

STORMWATER MANAGEMENT PROJECTS

- Academy of the Sacred Heart, Mater Campus - New Orleans, LA - Project Manager**
- Bayou Walk Street Basins - Houma, LA - Project Manager**
- Behrman Elementary School - New Orleans, LA - Project Manager**
- Biomat USA - New Orleans, LA - Project Manager**
- City of New Orleans Green Infrastructure Toolkit - New Orleans, LA - Project Manager**
- Conrad Park, WEF 2014 - New Orleans, LA - Project Manager**
- Desmare Playground, Phase 2 - New Orleans, LA - Project Manager**
- DPS-01 Drainage and Green Infrastructure Project - New Orleans, LA - Project Manager**
- Gretna Downtown Drainage, Phases 1 and 2 - Gretna, LA - Project Manager**
- Gretna Resilience District, 25th Street Canal - Gretna, LA - Project Manager**
- Lafitte Greenway Implementation - New Orleans, LA - Project Manager**
- Legacy Park - New Orleans, LA - Project Manager**
- Maumus Center - Arabi, LA - Project Manager**
- New Orleans City Hall Parking Garage Bioswale - New Orleans, LA - Project Manager**
- New Orleans City Park Wetland - New Orleans, LA - Project Manager**
- New Orleans City Park Wisner Tract Master Plan - New Orleans, LA - Project Manager**
- NORA Stormwater Lots, Gentilly - New Orleans, LA**
- Ray Abrams School - New Orleans, LA - Project Manager**

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title: Delaney McGuinness, ASLA, PLA, GICP, Senior Associate



Delaney McGuinness is a Senior Associate and licensed Landscape Architect at Dana Brown & Associates with four years of experience in landscape architecture and green infrastructure optimization. Using her solid technical visualization skills along with outreach and engagement expertise, she recently managed several recent park projects featuring green infrastructure. She approaches landscape design from a fine arts background and has built on this framework by becoming educated in best practices for technical construction, stormwater management, and green infrastructure. Ms. McGuinness also leads DBA's research effort to improve water quality through green infrastructure design.

Project Assignment:

Landscape Architect

Name of Firm with which associated:

Dana Brown & Associates, Inc.

Years' experience with this Firm:

3

Education: Degree(s)/Year/Specialization:

Bachelor of Landscape Architecture, Louisiana State University/2018

Active registration: Year first registered/discipline:

2021/Louisiana Licensed Landscape Architect, M-329

Other experience and qualifications relevant to the proposed Project:

STORMWATER MANAGEMENT PROJECTS

- Academy of the Sacred Heart, Mater Campus – New Orleans, LA – *Landscape Designer***
- Bayou Metairie Park - Metairie, LA – *Project Manager***
- Bayou St. John Green Infrastructure Demonstration - New Orleans, LA – *Project Manager***
- Hillcrest Park - Lake Charles, LA – *Project Manager***
- Tangipahoa Parish Stormwater Management Study - Tangipahoa Parish, LA**

ADDITIONAL PROJECTS

- Community Adaptation Program - New Orleans, LA – *Outreach/Engagement***
- Milne Campus Resilience - New Orleans, LA – *Outreach/Engagement***
- Water Wise Gulf South – New Orleans, LA – *Outreach/Engagement***

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title: Chris Africh, ASLA



With an artist’s eye trained to see the potential of a place, Chris Africh is DBA’s lead designer and a Principal in the firm. Mr. Africh’ inherently fresh design sensibility has been honed by 12 years in the field - working on projects involving disaster planning, stormwater management, planning, and site design. He has provided design services for more than 25 stormwater-focused projects in Louisiana featuring multiple green infrastructure interventions, including bioretention cells, detention basins, subsurface storage tanks, pervious pavement, street basins, and constructed wetlands.

Project Assignment:

Landscape Architect

Name of Firm with which associated:

Dana Brown & Associates, Inc.

Years’ experience with this Firm:

12

Education: Degree(s)/Year/Specialization:

Bachelor of Landscape Architecture, Louisiana State University/2009

Active registration: Year first registered/discipline:

N/A

Other experience and qualifications relevant to the proposed Project:

STORMWATER MANAGEMENT PROJECTS

- Allie Mae Williams Multi-purpose Center – New Orleans, LA – Project Manager**
- Baton Rouge Magnet High School – Baton Rouge, LA – Landscape Designer**
- Brechtel Park Master Plan & Implementation - New Orleans, LA – Project Manager**
- Charity Hospital Redevelopment – New Orleans, LA – Stormwater Management Facility Designer**
- Forest Park – Baton Rouge, LA – Project Manager**
- Four Seasons Hotel & Residences – New Orleans, LA – Project Manager**
- Jefferson Terrace Academy – Baton Rouge, LA – Project Manager**
- Municipal Traffic Court – New Orleans, LA – Project Manager**
- New Orleans DPW Multipurpose Site – New Orleans, LA – Project Manager**
- New Orleans Riverfront Master Plan – New Orleans, LA – Landscape Designer**
- NORA Stormwater Lots, Lower 9th Ward – New Orleans, LA – Project Manager**
- Pontilly Hazard Mitigation Project – New Orleans, LA – Project Manager**
- Tuten Park – Lake Charles, LA – Project Manager**
- Urban Water Management Educational Video – Creator**
- Woman’s Hospital – Baton Rouge, LA – Project Manager**

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:

Gretna Downtown Drainage, Phase 1

Gretna, LA

Mayor Belinda Constant
504.363.1568
bconstant@gretnala.com

As part of an initiative to address localized flooding and improve pedestrian safety in Historic Downtown Gretna, Dana Brown & Associates (DBA) led the design and construction administration of an urban design project that will reduce flood risk and transform the public space just outside of Gretna City Hall.

The project included renovation of over two acres of the existing neutral ground and adjacent streets, removing approximately 40 percent of existing impervious surfaces.

DBA designed green infrastructure facilities including pervious paving, subsurface storage tanks, tree cells, and bioretention cells in street basins, which have the capacity to detain and filter over 14,600 cubic feet of stormwater runoff.

This well-received project was funded by a Community Development Block Grant – Disaster Recovery grant.

Completion Date (Actual or estimated):

Estimated Cost:

Entire Project:

Work for which Firm was Responsible:

November 2020

\$2,105,054

\$111,000 (DBA FEE)

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. 2



Project Name, Location and Owner's contact information:

Nature of Firm's Responsibility:

Bayou Metairie Park

Metairie, LA

Jeffrey Simno
 Council Aide, District 5
 504.736.6634
 JSimno@JeffParish.net

DBA's design of Bayou Metairie Park addresses localized flooding in a quickly developing commercial area of Metairie Road. The park is situated between Metairie Lawn and Labarre Drive – an area known to experience frequent flooding. Preserving this open green space and installing permeable pavement and bioretention areas with water-loving native plants will further increase the site's stormwater storage capacity. The park will be a precedent for natural, multi-benefit stormwater management as well as an educational opportunity for the community. The park can store more than 32,000 gallons of stormwater, or about 640 bathtubs.

Additionally, the park serves as a gathering hub and functions as a traditional passive recreation space. This design creates a sense of place for the community and improves everyday and special event usability.

New lighted entry signs greet visitors to the park, which is in a highly trafficked area. An entertainment pavilion, event lawn, seatwalls, additional shade trees, boardwalks over bioretention areas, parking spaces, and educational signage complete the space. Since its implementation, the Old Metairie Garden Club has hosted music and movie nights along with several farmers' markets.

The popular project has been well-received, having earned the Parish's inaugural Stormwater Leadership Award (Outreach/Community Involvement).

Completion Date (Actual or estimated):

Estimated Cost:

Entire Project:

Work for which Firm was Responsible:

September 2021

\$598,981

\$89,587 (DBA FEE)

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:	
<p>Pontilly Hazard Mitigation Project</p> <p>New Orleans, LA</p> <p>Meagan Williams Stormwater Program Director City of New Orleans 504.658.6420 memwilliams@nola.gov</p>	<p>A FEMA HMGP grant funded the analysis, modeling, design, and construction of green infrastructure throughout Pontilly. The stormwater management facilities are necessary retrofits in these existing older neighborhoods. Issues addressed include minimizing severe soil subsidence by promoting infiltration and relieving the burden on drainage pipes and pumps that are taxed beyond their capacities.</p> <p>Pontilly is an area of New Orleans composed of two low-income, minority neighborhoods, Pontchartrain Park and Gentilly Woods, which total almost 900 acres. These neighborhoods have for decades experienced repetitive losses due to flooding caused by natural topography between Lake Pontchartrain and the Gentilly Ridge. Hundreds of homes were destroyed or severely damaged by Hurricane Katrina.</p> <p>Green infrastructure facilities in the project included 24 street basins with bioretention cells, a 90,500 sf golf course bioswale, 13 blocks of urban bioswales, pervious pavers in parallel parking zones, two large stormwater parks, 38 stormwater lots, green alleyways, and new grading and planting for the Dwyer Canal.</p> <p>The golf course bioswale was planted with 79 trees and over 11,360 shrubs. It was designed to protect and retain the existing trees in the area.</p> <p>In total, the project introduced an additional 504 trees and 16,173 native and naturalized grasses and shrubs to the Pontilly neighborhood. The total volume of stormwater storage designed by DBA for the Pontilly project is roughly 2 million cubic feet.</p>	
<p>Completion Date (Actual or estimated):</p>	<p>Estimated Cost:</p>	
<p>January 2019 (design) Ongoing (construction)</p>	<p>Entire Project:</p> <p>\$14,500,000</p>	<p>Work for which Firm was Responsible:</p> <p>\$164,800 (DBA FEE)</p>

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:

Legacy Park

New Orleans, LA

Downtown Development District

Davon Barbour

504.561.8927

dbarbour@downtownnola.com

Every year, the American Society of Landscape Architects (ASLA) hosts a national convention in partnership with a local ASLA chapter in the state in which it is held. National ASLA and the local chapter then work together to design and install a 'legacy park' in the host city to promote greenspace in urban areas.

In 2016, the convention was held in New Orleans. DBA teamed with National ASLA, the Louisiana Chapter of ASLA (LCASLA) and the New Orleans Downtown Development District (DDD) to select a site in an area with little open space. The project team located a vast expanse of asphalt at the International High School of New Orleans, whose students had no access to unpaved outdoor play space.

The proposed park space was designed for the students and for public use. DBA and LCASLA held a design charrette at the school that included students and faculty, as well as residents and business owners in the Downtown neighborhood. The charette allowed various users to create plans and visualize what the park space could be.

DBA then created construction documents for the 5,000 square foot pocket park, which incorporates an outdoor classroom, small play yard, outdoor seating, and lighting. The park can be used for school events and on evenings and weekends for public events. The site has quickly become an immensely popular destination within the school and downtown communities.

The park also has a bioswale planted with native plants that can filter and detain over 450 cubic feet of runoff. Danielle also designed educational signage for the park, explaining the functionality and benefits of the green infrastructure on site.

Completion Date (Actual or estimated):

Estimated Cost:

Entire Project:

Work for which Firm was Responsible:

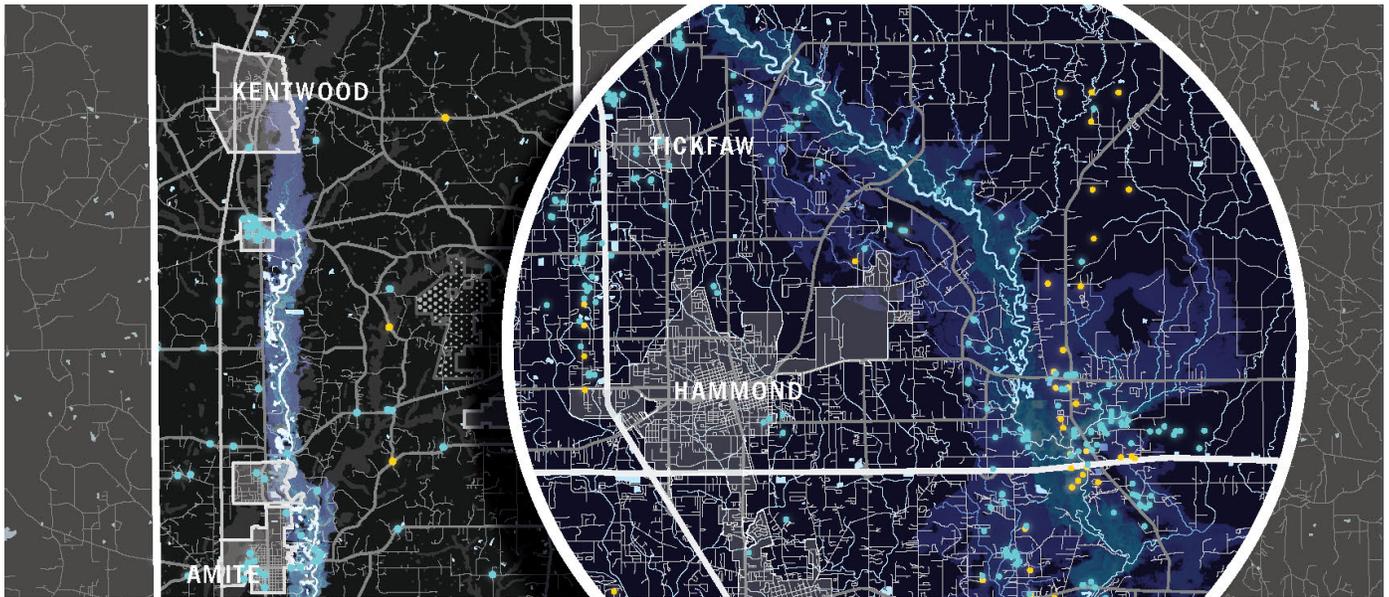
November 2019

\$281,000

\$16,000 (DBA FEE)

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. 4



Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Tangipahoa Parish Stormwater Study</p> <p>Tangipahoa Parish, LA</p> <p>John Dardis Independent Grant Consultant 985.507.5705 dardisj@bellsouth.net</p>	<p>In the wake of devastating and largely unforeseen flooding across Southeast Louisiana in 2016, the Tangipahoa Parish Government made a decision for the future safety and prosperity of residents. The Parish Government decided to move toward resilience and sustainability with a focus on stormwater management. As storms increase in frequency and intensity, flood risk increases. As development continues, more runoff is generated by the increase in impervious surfaces, which also exacerbates flooding. Pipes, culverts, retention basins, and other traditional drainage methods are static and cannot adapt to accommodate more stormwater. Therefore, the solution must be dynamic. Green infrastructure facilities mimic natural hydrology in a way that allows us to manage stormwater by coexisting with nature instead of trying to control it.</p> <p>Rather than wait for "complete" data or the perfect science, this Preliminary Stormwater Management Planning Study was conducted to identify readily achievable goals and objectives for the Parish, while illuminating the path toward a higher-resolution stormwater management plan. As the prime consultant, DBA oversaw the collection and analysis of data, identification of potential stormwater management projects, and prioritization of the most readily implementable projects. DBA also produced illustrations and a written report that articulates an integrated stormwater management strategy for Parish officials and the general public alike.</p> <p>The DBA Team collected data for analysis and formulation of calculations to determine flood risk reduction with available data and industry standards. The team collaborated on project prioritization through volumetric precipitation reduction and cost-benefit analyses to help the parish find no-risk projects for the immediate implementation and impact on flood reduction. The selected projects could be tackled across different scales and funding levels, as the Parish is able.</p>	
<p>Completion Date (Actual or estimated):</p>	<p>Estimated Cost:</p>	
<p>July 2019</p>	<p>Entire Project:</p> <p>\$74,748 (FEE)</p>	<p>Work for which Firm was Responsible:</p> <p>\$57,481 (DBA FEE)</p>

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:					
<p>St. Tammany Parish Low Impact Development</p> <p>St. Tammany Parish, LA</p> <p>Ross Liner Director of Planning & Development St. Tammany Parish 985.898.2529 rliner@stpgov.org</p>	<p>DBA was tasked with creating St. Tammany Parish's first-ever Low Impact Development program, with a goal of integrating the Parish's natural features and effective green infrastructure to promote stormwater best management practices.</p> <p>The fast-growing Parish recently attempted to curb residential development due to strains on water and sewerage utilities, along with flooding after heavy rainfall.</p> <p>After reviewing the parish's existing ordinances related to construction developments, DBA provided recommendations to amend existing codes and ordinances that would support low impact development.</p> <p>The goals of creating such a program include the following: increase water quality within the Lake Pontchartrain Basin, and reduce flooding caused by the increased runoff associated with development.</p> <p>DBA also developed design guidelines to foster low impact development in the Parish. Major goals include protecting natural resources, critical habitat, wetlands, and water sources from future development. The guidelines also encourage green infrastructure, facilitate an open dialogue regarding stormwater management with developers at early stages of projects, and incorporate best management practices into the municipal stormwater ordinance.</p>					
<p>Completion Date (Actual or estimated):</p> <p>June 2022 (estimated)</p>	<p>Estimated Cost:</p> <table border="1" data-bbox="477 1843 1526 1967"> <thead> <tr> <th data-bbox="477 1843 837 1906">Entire Project:</th> <th data-bbox="837 1843 1526 1906">Work for which Firm was Responsible:</th> </tr> </thead> <tbody> <tr> <td data-bbox="477 1906 837 1967">\$45,000 (FEE)</td> <td data-bbox="837 1906 1526 1967">\$22,500 (DBA FEE)</td> </tr> </tbody> </table>		Entire Project:	Work for which Firm was Responsible:	\$45,000 (FEE)	\$22,500 (DBA FEE)
Entire Project:	Work for which Firm was Responsible:					
\$45,000 (FEE)	\$22,500 (DBA FEE)					

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. 6



Project Name, Location and Owner's contact information:

Nature of Firm's Responsibility:

DPS-01 Drainage & Green Infrastructure

New Orleans, LA

Erika Boerr
 Senior Project Manager
 City of New Orleans
 Project Delivery Unit
 504.658.8475
 eboerr@nola.gov

The DPS-01 project is a two-pronged approach to reduce flooding throughout eight neighborhoods of the city and to reduce the stress on the drainage system by two separate means: incorporating a system of distributed green infrastructure throughout the project area and taking advantage of the increased drainage capacity provided by the Southeast Louisiana (SELA) flood control projects.

The project is funded by \$45 million from the FEMA Hazard Mitigation Grant Program for green and grey infrastructure improvements. DBA worked with project engineers to plan, model, and design a series of green infrastructure facilities to reduce downstream/downpipe flooding in neighborhoods that lie at some of the lowest elevations of the city.

The team estimates the completed project will reduce flooding by 29 million gallons and will prevent 520,000 gallons of runoff from ever getting to the pump station.

The green infrastructure facilities will detain, filter, and store stormwater runoff where it lands, which promotes infiltration into the subsurface soils and reduces subsidence. Green infrastructure facilities in the project area include stormwater detention lots, street basins, pervious paving, urban bioswales, and subsurface storage.

This complex project required the project design team to juggle competing deadlines and maintain constant contact. In addition, the team weighed the cost benefits of each type of green infrastructure facility. To address budget constraints, the team prioritized the GI with the highest impact to meet the Benefit Cost Analysis of 1 to 1.

Completion Date (Actual or estimated):

Estimated Cost:

Entire Project:

Work for which Firm was Responsible:

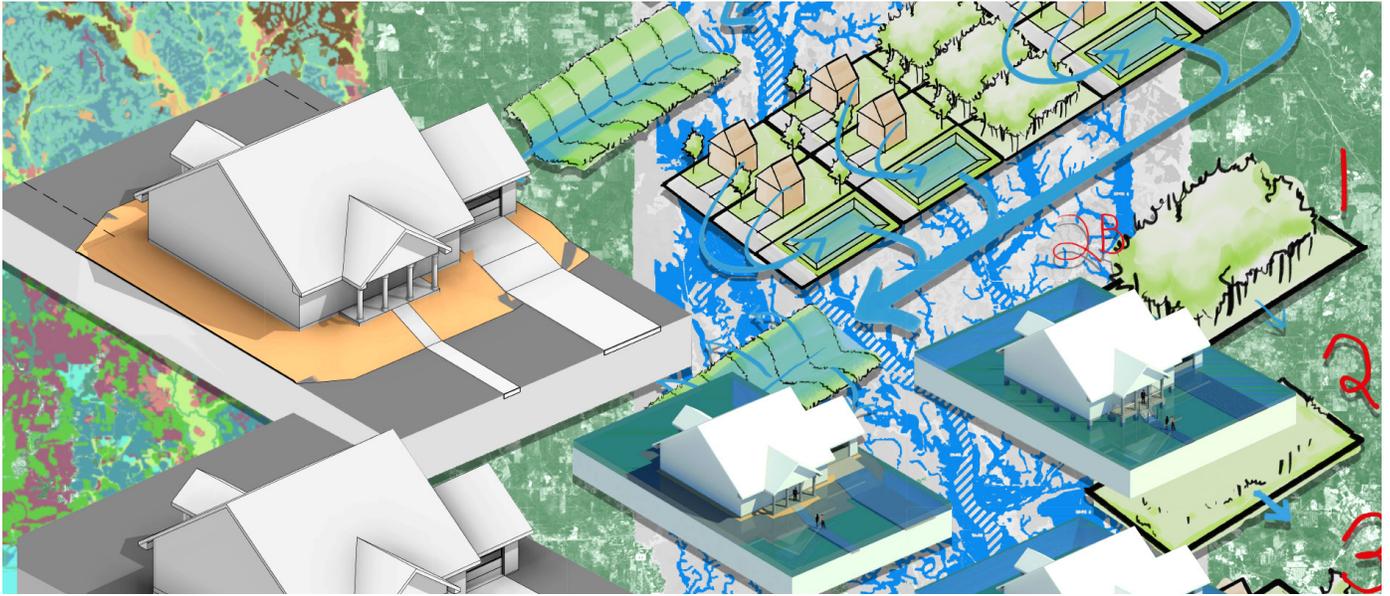
December 2020 (design)

\$45,000,000 (ESTIMATED)

\$708,400 (DBA FEE)

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:

Tangipahoa Parish Low Impact Development Code

Tangipahoa Parish, LA

Bridget Bailey
 Community Development
 Director
 985.340.9028
 bbailey@tangipahoa.org

DBA was commissioned to provide Tangipahoa Parish with an audit of its current land development ordinances, including subdivision and stormwater management regulations. In a follow-up project for the Parish, DBA is helping to generate new ordinances for a more sustainable, resilient Parish. For the first Parish project, DBA reviewed, reorganized, and clarified existing land development ordinances. The Parish's current regulations included outdated, conflicting or ambiguous codes with inconsistent definitions.

DBA was tasked with the following: search and categorize ordinance topics; reorganize ordinances; identify, resolve, and incorporate resolution of conflicts, inconsistencies, and duplicate regulations; and write and incorporate new terms and definitions. Additionally, DBA updated the submittal requirements for subdivision and development permitting to the current practices and developed flow diagrams for each type of permit and approval process. DBA then reviewed and clarified various processes, and developed the final product – an updated Land Development Code.

For the second project, which developed new ordinances, DBA provided recommendations regarding maximum fill levels and topographic regrading. DBA studied the effect of requiring zero net fill for new FEMA flood-zone developments and worked with the Parish to incorporate changes into the land development code. DBA also updated the code language based on our recommendations related to lot size and cluster development for the various flood zones. In addition, DBA addressed land clearing and regrading issues, including their impacts on flooding, and reviewed the current code for inconsistencies.

Completion Date (Actual or estimated):

Estimated Cost:

Entire Project:

Work for which Firm was Responsible:

February 2021

\$47,000 (FEE)

\$47,000 (DBA FEE)

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. 8



Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Stormwater Lots</p> <p>New Orleans, LA</p> <p>Kyle Gilmore New Orleans Redevelopment Authority 504.658.4400 kpgilmore@nola.gov</p>	<p>DBA was hired by the New Orleans Redevelopment Authority (NORA) to design and implement landscape improvements for four vacant lots in Hollygrove, Filmore, Gentilly, and the Lower Ninth Ward. The lots were designed to use stormwater management practices to manage each drop of rainwater as close to where it falls as possible.</p> <p>DBA designed specialized inlet runnels to allow stormwater runoff to enter the lots from surrounding streets. The sites are graded so that the stormwater slowly flows through the detention basins, allowing pollutants to settle and be removed by the plant species. A concrete outlet box, custom designed by DBA, slowly releases the stormwater and connects into the city drainage system.</p> <p>In addition to the original design of the detention basins, DBA has since started to monitor water quality at the Wildair Drive lot. DBA staff are training with environmental engineers and biochemists to develop a suite of water quality parameters and procedures that can be conducted in-house. Site amendments were installed at the Wildair lot intended to make the detention basin function as a control agent against which to compare future monitored projects. DBA installed an earthen berm, groundwater wells, a weather station, surface water capture bottles, and additional plantings of native Louisiana irises. DBA will use this data to optimize the individual components of each green infrastructure facility to find the highest-functioning solutions. After the projects were complete, NORA hired DBA to design educational signage for each lot that explains their function and outlines each of their stormwater capacities. The lots have become a huge success for NORA, who regularly uses them as examples of successful implementation of green infrastructure on previously underutilized land.</p>	
<p>Completion Date (Actual or estimated):</p>	<p>Estimated Cost:</p>	
<p>September 2015</p>	<p>Entire Project:</p> <p>\$243,000</p>	<p>Work for which Firm was Responsible:</p> <p>\$12,000 (DBA FEE)</p>

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		
2.		
3.		
4.		
5.		
6.		

*DBA has no prior or ongoing lawsuits with Jefferson Parish.

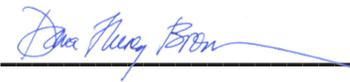
N. Use this space to provide any additional information or description of resources supporting Firm's qualifications for the proposed project.

Dana Brown & Associates, Inc. (DBA), is the collaborative creation of landscape architects and planners who have practiced in diverse professional realms and geographic regions. We are one of the largest landscape architecture and planning firms in Louisiana as well as a state certified Disadvantaged Business Enterprise (DBE), Women Business Enterprise (WBE) and Small Business Enterprise (SBE). DBA is certified as a DBE with the Louisiana Unified Certification Program through the DOTD and SLDBE Certified through the City of New Orleans. DBA has also been certified by the Louisiana Department of Economic Development as a Small Entrepreneurship-Hudson Initiative. In business since 2004, most members of our firm are Louisiana natives who have worked extensively in other states and countries, giving our firm a unique perspective and understanding of Louisiana cultural, economic, and ecological heritage which we incorporate into all of our designs whole-heartedly. Our office is in New Orleans.

Working closely with multidisciplinary teams, DBA's extensive experience includes planning and design of stormwater management, Complete Streets, urban design, parks and recreation facilities, campus master planning, GIS modeling of land use and zoning effects, community and master planning and engagement, land development regulations, regional planning, and ecologically based design. DBA also possesses the skills and resources for extensive public outreach and engagement with citizenry, stakeholders, public officials, land managers, business owners, and other user groups to facilitate proper planning, land development, and implementation of public improvements.

Since its inception, DBA has been a proven leader in green infrastructure design and construction administration, as well as educating professionals and the public. DBA's philosophy is focused on planning legible landscapes that respond to the ecological integrity of the land and reflect the cultural heritage of its people. DBA shares a distinct vision for stormwater management in Louisiana: a commitment to green infrastructure in public spaces, ecologically based sustainable infrastructure, and the clarity of simple, beautifully crafted design founded on the principles of resilience.

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

Signature:  **Print Name:** Dana Nunez Brown
Title: President **Date:** 03.23.2022



**REQUEST FOR
QUALIFICATIONS FOR**

Bucktown Building Resilient
Infrastructure and Communities
(BRIC) Scoping Grant

APPENDIX 1

Appendix 1



PRINCIPAL-IN-CHARGE
 ■ Stokka Brown, MS, PE, CFM

PROJECT MANAGER
 ■ Joseph Christopher, PE

DESIGN TEAM

LANDSCAPE ARCHITECT
 ■ Danielle Duhe, ASLA, PLA

LANDSCAPE ARCHITECT
 ■ Delaney McGuinness, ASLA, PLA, GICP

LANDSCAPE DESIGN
 ■ Chris Africh, ASLA

LEAD ENGINEER
 ■ Shaun Sherron, PE, PMP

SR. RESILIENCE PLANNER
 ■ David Lessinger

ENGINEER INTERN
 ■ Brandon Campo, EI

SUBJECT MATTER EXPERTS

RESILIENCE AND PLANNING
 ■ Mark Goodson

FEMA PROGRAMS AND POLICIES
 ■ Allison Davis Atkinson

PLANNING AND FEDERAL RESOURCES
 ■ Matthew Martinec

GREEN INFRASTRUCTURE IMPLEMENTATION
 ■ Dana Brown, FASLA, PLA, AICP, LEED AP

CIVIL ENGINEERING QA/QC
 ■ Michael Songy, PE, PLS

FIRM KEY
 ■ CSRS
 ■ DBA

SUMMARY OF FEDERAL GRANTS AND PROGRAM MANAGEMENT EXPERIENCE

Federal Grant Management and/or Program Management Experience					
Federal Grant Recipient	State/Territory	Primary Federal Resource	Total Program Value	Prime (or JV)	Active
Ascension Parish School Board	LA	FEMA PA	\$85M	■	■
Baton Rouge General Health System	LA	FEMA PA, CARES	\$30M	■	■
Brunswick County	NC	FEMA PA	\$20M	■	
Calcasieu Parish Police Jury	LA	FEMA PA	\$20M	■	■
Calcasieu Parish School Board	LA	FEMA PA	\$220M	■	■
City of Central	LA	FEMA PA, CDBG-DR, HMGP, CARES, ARPA, US Treasury - State and Local Fiscal Recovery Funds	\$61M	■	■
City of New Orleans	LA	FEMA PA, CDBG-DR, HMGP	\$2.3B	■	
City of Clute	TX	CDBG-MIT	\$10M	■	■
City of Shreveport	LA	FEMA PA, ARPA	\$52M	■	■
Colorado Technical Assistance	CO	FEMA PA	\$7M		
Dallas County	TX	US Treasury - State and Local Fiscal Recovery Funds	\$812M	■	■
East Baton Rouge School System	LA	FEMA PA, CDBG-DR, CARES	\$65M	■	■
East Baton Rouge Parish	LA	US Treasury - State and Local Fiscal Recovery Funds	\$226M	■	■
Florida Department of Economic Opportunity	FL	CDBG-DR	\$773M		■
Florida Division of Emergency Management	FL	FEMA PA	\$100M		■
City of Los Angeles	CA	US Treasury - State and Local Fiscal Recovery Funds	\$1.2B		■
Louisiana Office of Community Development	LA	CDBG-DR, CDBG-MIT	\$2.25B	■	■
Louisiana Workforce Commission	LA	CARES, Consolidated Appropriations 2021	\$4M	■	■
Jefferson Parish Public School System	LA	FEMA PA	\$103M	■	■
Lake Charles Airport	LA	FEMA PA	\$2M	■	■
Louisiana Housing Corporation	LA	FEMA PA, HUD-ESG, CARES, Consolidated Appropriations 2021	\$210M	■	■
Louisiana Department of Transportation and Development	LA	ARRA	\$443M	■	■
LSU Health Care Services District	LA	FEMA PA	\$203M	■	■
Midland Center for the Arts	MI	FEMA PA	\$3M	■	■
City of Midland	MI	FEMA PA, CDBG-DDR, HMGP	\$10M	■	■

FEDERAL PROGRAMS TABLE

Federal Grant Management and/or Program Management Experience (CONTINUED FROM THE PREVIOUS PAGE)					
Federal Grant Recipient	State/Territory	Primary Federal Resource	Total Program Value	Prime (or JV)	Active
Midland County	MI	FEMA PA	\$6M	■	■
Mississippi Department of Marine Resources	MS	CIAP	\$110M	■	■
Northwood University	MI	FEMA PA	\$10M	■	■
Orleans Parish School Board	LA	FEMA PA, CARES	\$383M	■	■
Port of Lake Charles	LA	FEMA PA, HMGP	\$105M	■	
Port of Victoria	TX	CARES EDA	\$6M	■	
Puerto Rico Municipality Programs (8 total: Aracibo, Aguas Buenos, Arroyo, Canovanas, Naguabo, Toa Alta, Toa Baja, Yabucoa)	PR	FEMA PA	\$450M		
Recovery School District (New Orleans)	LA	FEMA PA, CDBG-DR	\$1.8B	■	■
The Recreation and Parks Commission for the Parish of East Baton Rouge (BREC)	LA	FEMA PA, CDBG-DR	\$6.2M	■	
Regional Transit Authority (New Orleans)	LA	FEMA PA	\$119M	■	■
West Feliciana Parish	LA	FEMA PA	\$750k		
City of Shreveport	LA	US Treasury - State and Local Fiscal Recovery Funds	\$50M	■	■
Southwest Louisiana Convention and Visitor's Bureau	LA	APRA EDA, EDA - Travel, Tourism and Outdoor Recreation	\$3M	■	■
St. Bernard Parish	LA	FEMA PA, CDGB-DR	\$667M	■	■
St. John the Baptist Parish	LA	FEMA PA, CDBG-DR	\$7M		
St. John the Baptist School System	LA	FEMA PA	\$65M	■	
Texas General Land Office	TX	FEMA PA	\$47M		
West Calcasieu Airport	LA	FEMA PA	\$10M	■	■
West Calcasieu Port	LA	FEMA PA	\$3.7M	■	■
TOTAL:			\$13B		



**REQUEST FOR
QUALIFICATIONS FOR**

Bucktown Building Resilient
Infrastructure and Communities
(BRIC) Scoping Grant

ATTACHMENTS

Attachments

LIMITED LIABILITY COMPANY AUTHORIZATION RESOLUTION

I, Tim Barfield, certify that I am the manager of, or a member designated to act on behalf of CSRS, LLC, a limited liability company, organized and existing under the laws of the State of Louisiana and domiciled in the City of Baton Rouge, Louisiana, and that Stokka Brown, Principal of CSRS, LLC, be, and is hereby authorized and empowered to execute any and all proposals, contracts, documents and agreements of whatever kind on behalf of the Limited Liability Company for professional services related to the SOQ No. 22-016 for Bucktown Building Resilient Infrastructure and Communities (BRIC) Scoping Grant for Jefferson Parish, State of Louisiana.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 24th day of March 2022.



Tim Barfield, Manager



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
12/7/2021

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Arthur J. Gallagher Risk Management Services, Inc. 235 Highlandia Drive, Suite 200 Baton Rouge LA 70810	CONTACT NAME: Ashley Kennard	
	PHONE (A/C, No, Ext): 225-906-0114	FAX (A/C, No): 225-292-3893
E-MAIL ADDRESS: Ashley_Kennard@ajg.com		
INSURER(S) AFFORDING COVERAGE		NAIC #
INSURER A: Charter Oak Fire Insurance Company		25615
INSURER B: The Travelers Indemnity Company of CT		25682
INSURER C: Illinois Union Insurance Company		27960
INSURER D: Capitol Specialty Insurance Corporation		10328
INSURER E:		
INSURER F:		

INSURED
 CSRS, LLC
 8555 United Plaza, Suite 100
 Baton Rouge, LA 70809

COVERAGES

CERTIFICATE NUMBER: 416080082

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:			6805H070410	12/5/2021	12/5/2022	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 300,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000 \$
A	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS NON-OWNED AUTOS ONLY <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input checked="" type="checkbox"/>			BA-2R162481-20-47	12/5/2021	12/5/2022	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
B	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED <input checked="" type="checkbox"/> RETENTION \$ 10,000			CUP3827T870	12/5/2021	12/5/2022	EACH OCCURRENCE \$ 5,000,000 AGGREGATE \$ 5,000,000 \$
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N N	N/A	UB8J242201	12/5/2021	12/5/2022	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTHER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
A C D	Rented/ Leased Equipment Professional Errors & Omissions Pollution Liability			6805H070410 EOING23667022 009 EV2021063801	12/5/2021 5/17/2021 7/19/2021	12/5/2022 5/17/2022 7/19/2022	Leased Equipment Claim/Agg Claim/Agg \$50,000 \$5000000/10000000 \$5000000/5000000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

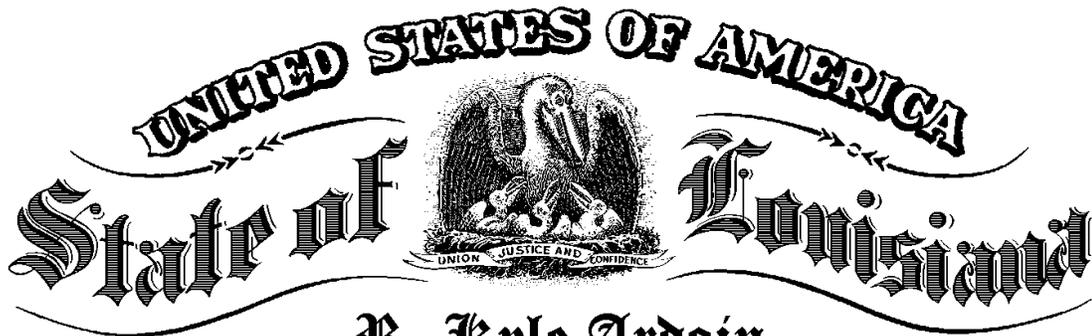
See Attached...

CERTIFICATE HOLDER

CANCELLATION

BID ONLY	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
	AUTHORIZED REPRESENTATIVE

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R. Kyle Ardoin
 SECRETARY OF STATE

As Secretary of State of the State of Louisiana, I do hereby Certify that

CSRS, LLC

A limited liability company domiciled in BATON ROUGE, LOUISIANA,

Filed charter and qualified to do business in this State on March 10, 1978,

I further certify that the records of this Office indicate the company has paid all fees due the Secretary of State, and so far as the Office of the Secretary of State is concerned, is in good standing and is authorized to do business in this State.

I further certify that this certificate is not intended to reflect the financial condition of this company since this information is not available from the records of this Office.

In testimony whereof, I have hereunto set my hand and caused the Seal of my Office to be affixed at the City of Baton Rouge on,

December 3, 2021

Secretary of State

Web 32130960K



Certificate ID: 11492609#T9R93

To validate this certificate, visit the following web site, go to **Business Services, Search for Louisiana Business Filings, Validate a Certificate**, then follow the instructions displayed.
www.sos.la.gov

Form **W-9**
(Rev. October 2018)
Department of the Treasury
Internal Revenue Service

**Request for Taxpayer
Identification Number and Certification**

Give Form to the requester. Do not send to the IRS.

▶ Go to www.irs.gov/FormW9 for instructions and the latest information.

1 Name (as shown on your income tax return). Name is required on this line; do not leave this line blank.
CSRS, LLC

2 Business name/disregarded entity name, if different from above

3 Check appropriate box for federal tax classification of the person whose name is entered on line 1. Check only **one** of the following seven boxes.

Individual/sole proprietor or single-member LLC C Corporation S Corporation Partnership Trust/estate

Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=Partnership) ▶ **P**

Note: Check the appropriate box in the line above for the tax classification of the single-member owner. Do not check LLC if the LLC is classified as a single-member LLC that is disregarded from the owner unless the owner of the LLC is another LLC that is **not** disregarded from the owner for U.S. federal tax purposes. Otherwise, a single-member LLC that is disregarded from the owner should check the appropriate box for the tax classification of its owner.

Other (see instructions) ▶

4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3):
Exempt payee code (if any) _____
Exemption from FATCA reporting code (if any) _____
(Applies to accounts maintained outside the U.S.)

5 Address (number, street, and apt. or suite no.) See instructions.
8555 United Plaza

6 City, state, and ZIP code
Baton Rouge, LA 70809

7 List account number(s) here (optional)

Requester's name and address (optional)

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the instructions for Part I, later. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN*, later.

Note: If the account is in more than one name, see the instructions for line 1. Also see *What Name and Number To Give the Requester* for guidelines on whose number to enter.

Social security number

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or

Employer identification number

7	2	-	0	8	3	7	4	5	9
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Part II Certification

Under penalties of perjury, I certify that:

- The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
- I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
- I am a U.S. citizen or other U.S. person (defined below); and
- The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions for Part II, later.

Sign Here Signature of U.S. person ▶  Date ▶ **12/1/2021**

General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Future developments. For the latest information about developments related to Form W-9 and its instructions, such as legislation enacted after they were published, go to www.irs.gov/FormW9.

Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following.

- Form 1099-INT (interest earned or paid)
- Form 1099-DIV (dividends, including those from stocks or mutual funds)
- Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)
- Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
- Form 1099-S (proceeds from real estate transactions)
- Form 1099-K (merchant card and third party network transactions)
- Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)
- Form 1099-C (canceled debt)
- Form 1099-A (acquisition or abandonment of secured property)

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.

If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See What is backup withholding, later.