Jefferson Parish

State of Louisiana

Routine Engineering Services for Water Projects

SOQ No. 22-013

Jefferson Parish
Purchasing Department
200 Derbigny Street, Suite 6700
Gretna, LA 70053

Statement of Qualifications (TEC Questionnaire)

H. Davis Cole & Associates, LLC

Consulting Engineers

Baton Rouge • New Orleans • Chalmette

TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

Routine Engineering Services for Water Projects

SOQ No. 22-013

Resolution No. 138809

B. Firm Name & Address:

H. Davis Cole & Associates, LLC
1340 Poydras Street, Suite 1850
New Orleans, LA 70112

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:

H. Davis Cole, P.E.
Managing Member/ Principal Engineer
Phone: (504) 836-2020
Fax: (504) 836-2010
Email: hdcole@hdaviscole.com

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

H. Davis Cole, P.E.
Managing Member/ Principal Engineer
Phone: (504) 836-2020
Fax: (504) 836-2010
Email: hdcole@hdaviscole.com

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

2	Administrative	--	Estimators	--	Specification Writers
--	Architects (Licensed)	--	Geologists	--	Structural Engineers
--	Chemical Engineers	--	Geotechnical Engineers	1	Graduate Engineers
2	Civil Engineers	--	Interior Designers	1	Project Managers
1	Construction Inspectors	--	Landscape Architects	--	Clerical
--	Ecologists	--	Land Surveyor	--	Grant/Funding Specialist
--	Electrical Engineers	--	Mechanical Engineers	--	Sanitary Engineers
--	Engineer Intern	--	Environmental Engineers		
--	Professional Land Surveyors			7	**TOTAL**

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

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

TEC Professional Services Questionnaire

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

1. Not Applicable

2.

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

YES ☐ **NO** ☑ Not Applicable

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. **Not Applicable**		
2.		
3.		
4.		
5.		

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

7 (The total number of employees available to contribute to the project from the Prime and Subconsultant Firms)

TEC Professional Services Questionnaire

K. List the professional in charge, key persons, specialists, and individual consultants anticipated for this Project and provide their relevant information below. If necessary, please attach additional documentation (i.e. resume) that demonstrates 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 OR PROJECT:

Name & Title:

H. Davis Cole, P.E.
Managing Member/ Principal Engineer

Project Assignment:

Client Manager; Principal -in-Charge

Name of Firm with which associated:

H. Davis Cole & Associates, LLC

Years' experience with this Firm:

15 Years (2006)

Education: Degree(s)/Year/Specialization:

BSCE, 1998, Civil & Environmental Engineering, Louisiana State University

Active Registration: Year first registered/discipline:

2002, Civil Engineer, Louisiana, No. 30219

Other experience and qualifications relevant to the proposed Project:

Mr. Cole founded H. Davis Cole & Associates, LLC in 2006 after serving several years with international, national, and local engineering firms. Mr. Cole has nearly two decades of experience working with various types of program management and civil engineering projects including wastewater, drainage, potable water, structural, and transportation improvement projects. Mr. Cole has served the Southeast Louisiana community for the past decade through his role as a Technical Advisor on many infrastructure improvement projects as well as the grant and program management of recovery programs following disasters. Mr. Cole's career has focused on providing civil and environmental engineering design solutions to municipal clients across the Gulf Coast.

EXPERIENCE WITH JEFFERSON PARISH

N. Hullen Drainage Improvements, Jefferson Parish, LA. HDCA is providing professional design services to Jefferson Parish for the preparation of construction documents for drainage and roadway improvements on North Hullen Street. The planned improvements to the street include subsurface drainage capacity improvements between 7th Street and the West Esplanade Canal and a complete reconstruction of the existing roadway. Mr. Cole is serving as the project manager and overseeing the overall design of the project. (ongoing)

Brown Avenue Canal Improvements, Jefferson Parish, LA. HDCA designed improvements to the area surrounding Brown Avenue on the West Bank of Jefferson Parish. Improvements to the area included the enclosure of the Brown Avenue Canal utilizing approximately 1,125 linear feet of 96" reinforced concrete pipe arch as well as cold-planing segments of the existing Brown Avenue and overlaying with new asphalt. Upon completion of the construction of the first phase of the project, Jefferson parish increased the scope of the project to include the remaining section of Brown Avenue for improvements. Phase II of the project was successfully bid and construction began in early 2021. Mr. Cole is currently providing construction administration services for Phase II's construction. (ongoing)

Improvements to the Ehret & Broas Lift Station (L-13-6), Jefferson Parish, LA. HDCA is providing design, permitting, bid phase, and construction phase services related to the restoration of functionality at the existing lift station on the west bank of Jefferson Parish. The existing station is to be demolished and replaced with a new, relocated station. The new station includes a wet well, valve pit, control panel, and emergency pump out, along with submersible pumps and Variable Frequency Drives (VFDs). Mr. Cole is serving as Project Manager for the design of the project. (ongoing)

New Avondale Library, Jefferson Parish, Louisiana. HDCA is serving as a subconsultant to N-Y Associates for the design of a new library branch for Jefferson Parish. The new library will be located in the Avondale area of Jefferson Parish's west bank. HDCA's role in

H. Davis Cole, P.E.
continued

the project included the structural engineering and foundation design. The project is currently in the final stage of design with bidding anticipated in late 2021. (ongoing)

Bayou Segnette Drainage Pump Station Improvements, Jefferson Parish, LA. HDCA is providing engineering services for proposed improvements to the Bayou Segnette Drainage Pump Station No. 1. Improvements to the existing pump station will include the construction of a catwalk system to connect the pump station building to the proposed new access bridge; demolition of the existing stationary bar racks upstream; construction of a new "Waskey" type bridge; installation of catenary type mechanical trash rack system; and required electrical and control facilities to support proposed improvements. HDCA is responsible for overall project management and design of all elements related to the mechanical trash rack system. The project is currently under construction and Mr. Cole is serving as the project manager. (ongoing)

Old Harvey Neighborhood Revitalization Study, Jefferson Parish, LA. HDCA, as a part of a Joint Venture - Villlavaso-HDCA, LLC, is currently providing Jefferson Parish with a comprehensive revitalization assessment and conceptual plan for improvements to the Old Harvey neighborhood on the Westbank. The intent of the study is to identify the drivers of the area's blighted condition and develop a plan for revitalizing the area to better serve the vibrant, diverse community and spearhead economic growth. HDCA's role focuses on community engagement and addressing existing infrastructure deficiencies to accommodate future growth. Public infrastructure improvement recommendations may include drainage projects (capacity and canal safety/aesthetics), sewer improvements projects (capacity, elimination of overflow and backups), water improvement projects (capacity, larger water mains to encourage industrial/ business development); and roadway improvement projects (traffic flow and access to areas of the community). Additional elements HDCA will be studying include improving environmental quality concerns, community facilities, recreational facilities, community safety, as well as potential funding sources and programs for the implementation of the recommendations. Mr. Cole is serving as the Principal Engineer on the study. (ongoing)

Ames Boulevard Resurfacing (4th Street to West Bank Expressway), Jefferson Parish, LA. HDCA provided construction administration and resident inspection services for the milling and overlaying of the existing 4-lane asphalt roadway in Jefferson Parish. The project also included asphalt patching, curb and gutter replacements, and the replacement of existing handicap ramps with ADA-compliant ramps. Mr. Cole served as technical advisor over the course of construction. (2021)

Improvements to "Rheem" Building, Department of Drainage, Jefferson Parish, LA. HDCA prepared plans and specifications for modifications to the Drainage Department's Yard Facility on the East Bank. Improvements included the addition of a dormitory and staging area for staff during emergency operations. Mr. Cole served as a Technical Advisor for the project, overseeing overall design of the improvements, as well as construction. The build-out was successfully constructed and is currently in-use. (2020)

Evaluation and Repair of "Price Brothers" Force Mains, Jefferson Parish, LA. HDCA provided engineering design and construction phase services for detailed evaluations of pre-stressed concrete cylinder pipe (PCCP) pipelines throughout Council Districts 1, 2, 3, and 4 in Jefferson Parish. These pipelines, alternatively referred to as "Price Brothers" pipe, are prone to rupture and present a potentially serious maintenance liability. HDCA evaluated various technologies and developed contract documents for an "as-needed", work-order basis evaluation program utilizing CCTV, electromagnetic, acoustic, and other evaluation techniques. Mr. Cole served as Technical Advisor. (2020)

Rehabilitation of the Jonathan Davis Wastewater Treatment Plant, Department of Sewerage, Jefferson Parish, LA. HDCA provided technical services for the complete structural, mechanical, and electrical rehabilitation of the Jonathan Davis Wastewater Treatment Plant in Lafitte, LA. The existing plant, a 1980s-vintage "Omega Type" Package Plant was to be replaced with a new state-of-the-art sequencing batch reactor plant and the existing effluent discharge into Bayou Barataria to be abandoned in favor of a new wetlands assimilation effluent discharge. Design of the new plant and effluent pump station has been completed however has not been slated for construction. Mr. Cole served as Technical Advisor. (2019)

Rehabilitation of the Harvey Wastewater Treatment Plant, Department of Sewerage, Jefferson Parish, LA. HDCA provided design, bidding, and construction administration services for the construction of improvements at the existing Harvey Wastewater Treatment Plant including construction of a new 107-foot diameter elevated trickling filter and rehabilitation of the existing trickling filter pump station. HDCA provided mechanical design of the new filter, yard piping modifications, site work, and overall project management. The new trickling filter was designed to treat up to 28 million gallons per day of sewage and contains over 108,000 cubic feet of polypropylene "random dump" type media and includes a 107" diameter hydraulically driven or "reaction-type" rotary distributor. Mr. Cole served as a technical advisor during the design phase and led construction administration efforts. (2016)

Clearview Parkway / Earhart Expressway Interchange and Surrounding Areas Drainage Study, Jefferson Parish Department of Drainage, Jefferson, LA. Mr. Cole, as Principal Engineer, oversaw the hydraulic modeling and engineering activities associated with this significant hydraulic evaluation effort aimed at solving recurring flooding issues associated with the Clearview Parkway/Earhart Expressway Interchange and the surrounding Elmwood area. For this, a hydraulic model was developed using PCSWMM modeling software for the approximate 70 acre drainage basin. Using the hydraulic model, many alternatives aimed at relieving the recurring flooding problems were evaluated. Recommendations included a series of storm water detention ponds within the interchange, a new 300 cubic foot per second drainage pumping station, and major improvements to St. Peters Ditch all totaling approximately $30 M. (2006)

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Evaluation of Canal No. 10, Jefferson Parish Department of Drainage, Jefferson, LA. For this effort, a hydraulic and physical evaluation of Canal No. 10 located in the northern portion of Kenner, Louisiana was conducted. Specifically, slope stability of the existing canal banks and hydraulic capacity of the existing canal were assessed. Given these parameters, recommendations were made to restore the canal to its required hydraulic capacity while stabilizing areas where slope stability was an issue. (2006)

Willswood Lane Roadway Improvements, Jefferson Parish Department of Streets, Jefferson, LA. This project involved the design of an addition of a third turning lane to this roadway. Also included were redesign of the roadway drainage systems, redesign of a railroad crossing, and permitting and coordinating with the railroad and various utilities. The construction cost opinion for the project was $1.9 M. Mr. Cole served as the Principal Engineer. (2006)

Lapalco Boulevard Overlay – Belle Chasse Highway to Wall Boulevard, Jefferson Parish Department of Streets, Jefferson, LA. Mr. Cole served as the Principal Engineer for the construction phase of this project which involved roadway improvements, in accordance with DOTD standards, for a 0.6 mile 4-lane segment of Lapalco Boulevard. Included were pavement repairs, addition and adjustment of drainage structures, curb and gutter replacements, and approach slab replacements. Provision and oversight of DOTD Certified Inspectors was also within the scope of the project. The project construction cost was $1.1 M. (2004)

Lapalco Boulevard Overlay – Wall Boulevard to Timberlane Drive – Jefferson Parish Department of Streets, Jefferson, LA. Mr. Cole served as the Principal Engineer for the design phase of this project. This project involves the design of roadway improvements, in accordance with LADOTD standards, for a 0.5 mile long, 4-lane segment of Lapalco Boulevard including pavement repairs, addition and adjustment of drainage structures, curb and gutter replacements, and approach slab replacements. The construction cost opinion was $1.8 M. (2004)

Lapalco Boulevard Overlay – Bayou Fatma to Brooklyn Avenue, Jefferson Parish Department of Streets, Jefferson, LA. Mr. Cole served as the Principal Engineer for the design phase of this project which involves the design of roadway improvements, in accordance with LADOTD standards, for a 0.3 mile long, 4-lane segment of Lapalco Boulevard including: pavement repairs, addition and adjustment of drainage structures, and curb and gutter replacements. The construction cost opinion was $1.7 M. (2004)

West Bank Water Treatment Plant Filter Upgrade, Jefferson Parish Department of Water, Marrero, LA. This project involved the replacement of existing sand media with a dual media (sand and anthracite), replacement of existing ceramic underdrains with plastic underdrains, replacement of filter-wash troughs, extension of filter gullet walls, and removal and replacement of the existing surface backwash system with a new air-scour backwash system at a 30 MGD surface water treatment plant. Also included was integration of the new filter backwash control system into the existing plant SCADA system. Mr. Cole served as the Project Engineer during the construction phase of the project. (2003)

Marrero Wastewater Treatment Plant Consolidated Expansion, Jefferson Parish Department of Sewerage, Jefferson, LA. Mr. Cole served as the Project Engineer on this project that involved designing a $17 M, 4.85 million gallon per day expansion to a wastewater treatment plant located on the West Bank of Jefferson Parish in the community of Marrero, LA. Additional process units were designed including a trickling filter, solids contact basin, and primary and secondary clarifiers. Extensive modifications to the existing headworks, including new mechanical barscreens and a vortex grit removal system as well as a headworks bypass line, were, designed as part of the proposed expansion. Also included in the design was expansion of odor control facilities to accommodate the additional unit processes. (2003)

WATER SUPPLY, TREATMENT, AND DISTRIBUTION

DWRLF Waterline Replacement Project, (DWRLF 3.0), St. Bernard Parish, LA. HDCA personnel are providing construction administration and resident inspection services to St. Bernard Parish for the duration of construction on a new 8” water line to replace existing waterlines on Fazzio Road, Culotta Street, Trio Street, and Victor Street as well as along LA Highway 46 in eight locations. Mr. Cole is serving as the project manager overseeing construction of the project. (ongoing)

Fair Grounds Race Track, Churchill Downs Louisiana Horseracing Company, New Orleans, LA. HDCA is providing the New Orleans Fair Grounds Race Track with professional engineering services related to the domestic water/wastewater/drainage systems at the racetrack to support their compliance efforts with local utilities. Mr. Cole is serving as Technical Advisor for the project and also assisting with construction phase services. (ongoing)

Ferriday Water System Renovations, Town of Ferriday, LA. HDCA developed construction documents for the renovation of the Town of Ferriday’s existing water distribution system. The existing waterlines were aging and found to be undersized. HDCA developed plans and specifications to replace 14,995 lf of waterlines with a minimum of 6” waterlines throughout the town as well as replacement of the existing fire hydrants. Mr. Cole served as Principal Engineer for the design phase of the project. (2021)

Chalmette Vista Waterline Replacement (DWRLF 2.6), St. Bernard Parish, LA. This project, funded by the Drinking Water Revolving Loan Fund, replaced 11,750 lf of existing waterline located throughout the Chalmette Vista subdivision in St. Bernard Parish. Water lines replaced include portions of the following Chalmette Vista streets: W. Claiborne Square, Packenham, Keane, Carmack, Carolina, Carrol, E. Chalmette and Old Hickory. Other components of the project include the replacement of approximately 40 fire hydrants, tying in existing services, and replacing gate valves. Additionally, 70 of the 261 services in the subdivision will receive new meter boxes. Mr.

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continued

Cole provided design phase services and served as the Technical Advisor for the duration of this project. (2020)

West Point Development – Veterans Housing Site Design, New Orleans, LA. HDCA provided site design services for the development of a new housing development to benefit veterans of the United States Military in New Orleans. The development, which is to be situated on nearly 8 acres, will consist of 9 buildings with 30 apartment units each, as well as a 5,000 sq ft administration building and 288 parking spots. HDCA prepared the formal drainage calculations and Stormwater Management Plan required to be submitted to the City of New Orleans as required for compliance with the City of New Orleans Stormwater Management Ordinance. Additional services included the development of civil and site construction documents which will consist of a site plan, grading and drainage plan, paving plan, sewer plan, water service plan, electrical plan, and associated detail drawings necessary for permitting and construction. Due to the large size of the development, HDCA was responsible for the design of the required on-site stormwater retention facilities. HDCA also prepared a SWPP, Notice of Intent (NOI), and all additional permits required for coverage under the LDEQ LAR100000 permit. Mr. Cole served as Technical Advisor for the firm's design services. (2021)

Comprehensive Water System Rehabilitation, Town of St. Joseph, LA. HDCA provided design, bid phase, and construction administration services for this fast-tracked project funded by State of Louisiana Capital Outlay Program funds. HDCA developed plans and specifications for a comprehensive replacement of the town's water distribution system, including new pipelines, meters, fire hydrants, and other ancillary improvements. HDCA was also retained by the Town to provide design and construction administration services for five separate construction projects at the water treatment plant to provide the Town with a completely rehabilitated water treatment facility. Work at the plant included a new ductile iron and manganese pressure filter, a new activated iron solids precipitation system, new wells, rehabilitation of the existing iron and manganese pressure filter, and the complete assembly and startup of the plant. Mr. Cole served as Technical Advisor for the project. Construction of the project was recently completed, and the Emergency Declaration in St. Joseph has been lifted. (2018)

Ascension Parish Booster Disinfection Stations, Ascension Parish, Department of Utilities, LA. HDCA assisted Ascension Parish Government in selecting appropriate locations for the installation of two (2) chloramine residual booster stations within the Parish's water system on the West Bank of Ascension Parish. HDCA provided layouts for the proposed "package" type Booster Stations, along with mechanical and electrical drawings and construction documents. HDCA also provided Bid Phase and Construction Phase Services. Mr. Cole served a Technical Advisor for the project. (2016)

Water Tank Design Review, University Medical Center, New Orleans, LA. HDCA is providing engineering review services of the design and operation of an existing 1 million gallon ground surface water storage tank system currently installed., as applicable. HDCA will also provide recommendations for any required mechanical modifications to the facility. Mr. Cole served as the project manager and prepared hydraulic calculations and design recommendations for the report. (2015)

St. Bernard Water Treatment Plant, Department of Water and Sewer, St. Bernard Parish, LA. The project Included the complete mechanical and electrical reconstruction and expansion of 12 million gallon per day (MGD) surface water treatment plant. HDCA served as a subconsultant to BKI responsible for site improvements and drainage design. This project was funded by LCDBG Grants. HDCA also assisted in Construction Administration efforts. Mr. Cole served as Technical Advisor/Client Services Manager. (2010)

Jackson County Water Treatment Plant, Jackson County, MS. This project involved designing chemical feed systems, an ozone system, and a filtration system for a new 7 MGD water treatment plant in Jackson County, MS. As Project Engineer, Mr. Cole designed sodium hypochlorite, aqueous ammonia, zinc, orthophosphate, sodium bisulfite, and anionic polymer feed systems for the treatment plant. (2009)

Water Well Disinfection Alternatives Feasibility Study, City of Slidell Department of Public Utilities, Slidell, LA. Mr. Cole, as Project Engineer, prepared a report that evaluated six alternatives for disinfection of the City's groundwater. Alternatives were evaluated based on several criteria: capital costs, life-cycle costs, safety, and required maintenance. (2005)

Water Well No. 9, Department of Public Utilities, City of Slidell, LA. The project involved design, bid, permitting, and construction management services for a new 1,500 GPM, 2,000- foot deep groundwater well, standby generator system, chlorination system, and SCADA control system. Mr. Cole served as Project Manager for the duration of the project. (2005)

Northshore Boulevard Utilities Extension, Department of Public Utilities, City of Slidell, LA. This project served to extend the water and sewer utilities along a major roadway in the City of Slidell, LA. Facilities included a new sewer pump station and force main, water and sewer line extensions, jack-and-bore installation of water and sewer lines beneath Interstate 12, and a provision of a SCADA control system for control of water distribution. The facilities were provided to accommodate a new shopping center development along Northshore Boulevard at I-12. Mr. Cole served as the Project Manager for the project during the design, permitting, bidding, and construction phases of the project. (2003)

TEC Professional Services Questionnaire

K. List the professional in charge, key persons, specialists, and individual consultants anticipated for this Project and provide their relevant information below. If necessary, please attach additional documentation (i.e. resume) that demonstrates 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 OR PROJECT:

Name & Title:

Avis Gaines, P.E.
Senior Civil Engineer

Project Assignment:

Civil Engineer

Name of Firm with which associated:

H. Davis Cole & Associates, LLC

Years' experience with this Firm:

1 (2022 & previously as a contractor)

Education: Degree(s)/Year/Specialization:

BS, 2004, Civil Engineering, Louisiana State University

Active Registration: Year first registered/discipline:

2011, Civil Engineer, Louisiana, No. 35967

Other experience and qualifications relevant to the proposed Project:

Ms. Avis Gaines is a Professional Engineer with proven project management expertise in all project phases including planning, design and construction. She's a motivated team player with a demonstrated ability to interface stakeholder and client expectations with program and project mission, management, and delivery of projects.

Permanent Pump Stations at the Outfall Canals (Close-out), New Orleans, LA. Ms. Gaines was the project manager of the closeout of one of the largest and most complex projects of the Hurricane and Storm Damage Risk Reduction System. The $854M Permanent Pump Stations project includes storm surge barriers and three (3) new pump stations at the mouth of Lake Pontchartrain on 17th Street Canal, Orleans Avenue Canal and London Avenue Canal which will reduce the risk of storm surge entering the canals. (*Independent Experience*)

Demolition of Interim Closure Structures (ICS) at the Outfall Canals, New Orleans, LA. Ms. Gaines served as a project manager for the single construction contract to decommission and demolish the ICS that were constructed on a temporary basis post Hurricane Katrina to ensure the integrity and adequate functioning of the floodwalls along the outfall canals. This demolition effort includes removing the above ground pumps, gates, generators, fuel tanks, discharge tubes, mechanical/electrical features, buildings, platforms and the closed cell sheet pile walls that were placed during construction. Ms. Gaines' responsibilities included:

- Coordination and implementation of activities and processes required for project close-out and fiscal completion
- Development and coordination of project Review Plans to establish a process for review of projects from planning through construction
- Coordination and management of multiple technical and supporting disciplines including the hydraulic, geotechnical, structural, mechanical, electrical, environmental, and real estate to establish contract and mission requirements
- Coordination and preparation of plans and specifications for contract solicitation
- Leadership of the Project Delivery Team to resolve technical project challenges including problem solving, building consensus and conflict resolution that resulted in solution which maintained high standards of quality
- Coordination and worked with the Customer/Stakeholder to address concerns and build consensus while maintain the goals of the project mission.
- Management and maintenance of the project scope, schedule, and budget

Avis Gaines, P.E.
continued

- Coordination and development of project budgets and labor cost estimates for 3-year program, in conjunction with Project Management, Engineering Division, Construction Division, Safety, Environmental, Office of Counsel and Contracting Division for resourcing in P2 and CEFMS
- Regular review of CEFMS generated reports to monitor, track and report labor/resource requirements as well as project commitments, obligations, and expenditures
- The regular review and update of P2 and P6 project schedules to assure accurate upward reporting and to identify schedule risks/impacts and course corrections to mitigate impacts
- Utilization of the Change Management/Change Control Process to assess, document, track and obtain approval for project scope, schedule and budget changes.
- Preparation of Briefings and reports for internal and external management and public presentations (*Independent Experience*)

Storm Proofing Existing Pump Stations, Hurricane Protection Office, United States Army Corps of Engineers, New Orleans, LA. Ms. Gaines served as a project manager of the $340M effort to storm proof existing pump stations including the construction of safe rooms and improvements/features such as hardening roofs, strengthening structures, increasing water resistance on structures, elevation or increasing water resistance of equipment associated with pump drives and switch gear, protecting and providing back-up power, and providing remote operation to allow for pump station operations during storm events. (*Independent Experience*)

Existing Pump Station Repairs, Hurricane Protection Office, United States Army Corps of Engineers, New Orleans, LA. Ms. Gaines served as part of HDCA's team to assess, rehabilitate and restore existing pump stations following Hurricane Katrina in Jefferson, Plaquemines, Orleans and St. Bernard Parishes. The $110 million dollar program included repairs and replacements of various structural, mechanical, electrical and civil damages sustained by the storm. Ms. Gaines's role as a project manager included the coordination of design efforts between Architectural-Engineering Design firms and public entities. She also provided design oversight to ensure conformance of the repairs with requirements set forth by the Federal Government and local entities. Ms. Gaines' role also included the review of CEFMS-generated reports to monitor, track and report labor/resource requirements. She reviewed and updated P2 and P6 project schedules to ensure accurate upward reporting and to identify schedule risks/impacts and course corrections to mitigate impacts. (2006-2007)

Violet WWTP Transfer Pump Station, St. Bernard Parish, LA. Ms. Gaines served as part of HDCA's project design team to assist with investigations and prepare the Preliminary Design Report (PDR) which defined all design parameters for a proposed pump station required to transfer wastewater flows from the existing Violet WWTP service area to the consolidated Munster WWTP. (2006-2007)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT

Name & Title:

Rachel Merkl
Civil Designer

Project Assignment:

Civil Designer

Name of Firm with which associated:

H. Davis Cole & Associates, LLC

Years' experience with this Firm:

3 (2018)

Education: Degree(s)/Year/Specialization:

B.S., 2017, Civil & Environmental Engineering, University of New Orleans

Active Registration: Year first registered/discipline:

Traffic Control Supervisor &Technician Certification, ATSSA, 2019

Other experience and qualifications relevant to the proposed Project:

Ms. Merkl is a degreed civil engineer currently enrolled in a master's program in Architecture. She joined HDCA as a member of the Engineering Design team and assists with the creation of design documents for infrastructure projects. Ms. Merkl is skilled in AutoCAD, ArcGIS, RISA, HEC-GeoHMS, HEC-GeoRAS, EPANET, SketchUp and HEC-RAS, as well as the Adobe Creative Suite of programs.

EXPERIENCE WITH JEFFERSON PARISH

N. Hullen Drainage Improvements, Jefferson Parish, LA. HDCA is providing professional design services to Jefferson Parish for the preparation of construction documents for drainage and roadway improvements on North Hullen Street. The planned improvements to the street include subsurface drainage capacity improvements between 7th Street and the West Esplanade Canal and a complete reconstruction of the existing roadway. Ms. Merkl is assisting with the development of construction documents for the project. (ongoing)

Bayou Segnette Drainage Pump Station Improvements, Jefferson Parish, LA. HDCA is providing engineering services for proposed improvements to the Bayou Segnette Drainage Pump Station No. 1. Improvements to the existing pump station will include the construction of a catwalk system to connect the pump station building to the proposed new access bridge, demolition of existing stationary bar racks upstream, construction of a new "Waskey" type bridge, installation of catenary trash rack system, and required electrical and controls facilities necessary to support such improvements. HDCA is responsible for overall project management and design of all elements related to the mechanical trash rack system. Ms. Merkl assisted with the preparation of construction documents. (ongoing)

Brown Avenue Canal Improvements, Jefferson Parish, LA. HDCA is designing improvements to the area surrounding Brown Avenue on the West Bank of Jefferson Parish. Improvements to the area included the enclosure of the Brown Avenue Canal utilizing approximately 1,125 linear feet of 96" reinforced concrete pipe arch as well as cold-planing segments of the existing Brown Avenue and overlaying with new asphalt. Upon completion of the construction of the first phase of the project, Jefferson parish increased the scope of the project to include the remaining section of Brown Avenue for improvements. Phase II was recenlty successfully bid and construction began in early 2021. Ms. Merkl has assisted with the preparation of construction documents for both phases of the project. (ongoing)

Improvements to the Ehret & Broas Lift Station (L-13-6), Jefferson Parish, LA. HDCA is providing design, permitting, bid phase, and construction phase services related to the restoration of functionality at the existing lift station on the west bank of Jefferson Parish. The existing station is to be demolished and replaced with a new, relocated station. The new station includes a wet well, valve pit, control panel, and emergency pump out, along with submersible pumps and Variable Frequency Drives (VFDs). Ms. Merkl is assisting with the preparation of construction drawings for the project. (ongoing)

Rachel Merkl
continued

New Avondale Library, Jefferson Parish, Louisiana. HDCA is serving as a subconsultant to N-Y Associates for the design of a new library branch for Jefferson Parish. The new library will be located in the Avondale area of Jefferson Parish's west bank. HDCA's role in the project included the structural engineering and foundation design. The project is currently in the final stage of design with bidding anticipated in late 2021. (ongoing)

Improvements to "Rheem" Building, Department of Drainage, Jefferson Parish, LA. HDCA prepared plans and specifications for modifications to the Drainage Department's Yard Facility on the East Bank of the Parish to provide for a dormitory and staging area for staff during emergency operations. Ms. Merkl assisted with the design of plans for the project and has provided periodic field services throughout construction. Construction was completed and the facility is currently in-use. (2020)

Metairie Road Smart Growth Program: Causeway Boulevard Intersection, Jefferson Parish, LA. HDCA is designing improvements at the intersection of Causeway Boulevard and Metairie Road as part of the overall revitalization and re-branding of the Metairie Road corridor. The scope of HDCA's project includes the removal and replacement of the existing asphalt, removal and replacement of ADA ramps, restriping of the pedestrian crossings, and the addition of pedestrian lighting and landscaping elements. The project is currently in the final phase of design. Ms. Merkl is assisting with the preparation of construction documents for the project. (ongoing)

Improvements to "Rheem" Building, Department of Drainage, Jefferson Parish, LA. HDCA prepared plans and specifications for modifications to the Drainage Department's Yard Facility on the East Bank of the Parish to provide for a dormitory and staging area for staff during emergency operations. Ms. Merkl assisted with the design of plans for the project and has provided periodic field services throughout construction. Construction was completed and the facility is currently in-use. (2020)

WATER SUPPLY, DISTRIBUTION, AND TREATMENT

DWRLF Waterline Replacement Project, (DWRLF 3.0), St. Bernard Parish, LA. HDCA personnel are providing construction administration and resident inspection services to St. Bernard Parish for the duration of construction on a new 8" water line to replace existing waterlines on Fazzio Road, Culotta Street, Trio Street, and Victor Street as well as along LA Highway 46 in eight locations. Ms. Merkl is assisting with the construction management for the project. (ongoing)

Ferriday Water System Renovations, Town of Ferriday, LA. HDCA developed construction documents for the renovation of the Town of Ferriday's existing water distribution system. The existing waterlines were aging and found to be undersized. HDCA developed plans and specifications to replace 14,995 lf of waterlines with a minimum of 6" waterlines throughout the town as well as replacement of the existing fire hydrants. Ms. Merkl assisted with the preparation of construction documents for the project. (2021)

West Point Development – Veterans Housing Site Design, New Orleans, LA. HDCA provided site design services for the development of a new housing development to benefit veterans of the United States Military in New Orleans. The development, which is to be situated on nearly 8 acres, will consist of 9 buildings with 30 apartment units each, as well as a 5,000 sq ft administration building and 288 parking spots. HDCA prepared the formal drainage calculations and Stormwater Management Plan required to be submitted to the City of New Orleans as required for compliance with the City of New Orleans Stormwater Management Ordinance. Additional services included the development of civil and site construction documents which will consist of a site plan, grading and drainage plan, paving plan, sewer plan, water service plan, electrical plan, and associated detail drawings necessary for permitting and construction. Due to the large size of the development, HDCA was responsible for the design of the required on-site stormwater retention facilities. HDCA also prepared a SWPP, Notice of Intent (NOI), and all additional permits required for coverage under the LDEQ LAR100000 permit. Ms. Merkl is assisting with the development of construction documents for the project. (2021)

Chalmette Vista Waterline Replacement, St. Bernard Parish, LA. This project, funded by the Drinking Water Revolving Loan Fund, replaces 11,750 lf of existing waterline located throughout the Chalmette Vista subdivision in St. Bernard Parish. Water lines to be replaced include portions on the following Chalmette Vista streets: W. Claiborne Square, Packenham, Keane, Carmack, Carolina, Carrol, E. Chalmette and Old Hickory. Other components of the project include the replacement of approximately 40 fire hydrants, tying in existing services, and replacing gate valves. Additionally, 70 of the 261 services in the subdivision will receive new meter boxes. Ms. Merkl assisted with resident inspection services for the construction phase of this project. (2020)

Comprehensive Water System Rehabilitation, Town of St. Joseph, LA. HDCA provided design, bid phase, and construction administration services for this fast-tracked project funded by State of Louisiana Capital Outlay Program funds. HDCA developed plans and specifications for a comprehensive replacement of the town's water distribution system, including new pipelines, meters, fire hydrants, and other ancillary improvements. HDCA was also retained by the Town to provide design and construction administration services for five separate construction projects at the water treatment plant to provide the Town with a completely rehabilitated water treatment facility. Work at the plant included a new ductile iron and manganese pressure filter, a new activated iron solids precipitation system, new wells, rehabilitation of the existing iron and manganese pressure filter, and the complete assembly and startup of the plant. Ms. Merkl assisted with the preparation of record drawings for the project. Construction of the project was recently completed and the Emergency Declaration in St. Joseph has been lifted. (2018)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT

Name & Title:

John Baucum
Construction Manager

Project Assignment:

Resident Project Representative

Name of Firm with which associated:

H. Davis Cole & Associates, LLC

Years' experience with this Firm:

10 (2011)

Education: Degree(s)/Year/Specialization:

A.A., 2021, Business Administration, Pearl River Community College
ASCE Construction Engineering Certificate Program (CERCE17)

Active Registration: Year first registered/discipline:

Traffic Control Supervisor &Technician Certification, ATSSA, 2018

Other experience and qualifications relevant to the proposed Project:

Mr. Baucum is an experienced water & sewer operator, with advanced knowledge of many aspects of public works construction. Mr. Baucum serves as a Construction Manager for HDCA, responsible for Construction Phase Services and Resident Inspection in support of design activities. Mr. Baucum's breadth of knowledge is evident in both his communications in the field and astute reporting of observations.

EXPERIENCE WITH JEFFERSON PARISH

Brown Avenue Canal Improvements, Jefferson Parish, LA. HDCA is designing improvements to the area surrounding Brown Avenue on the West Bank of Jefferson Parish. Improvements to the area included the enclosure of the Brown Avenue Canal utilizing approximately 1,125 linear feet of 96" reinforced concrete pipe arch as well as cold-planing segments of the existing Brown Avenue and overlaying with new asphalt. Upon completion of the construction of the first phase of the project, Jefferson parish increased the scope of the project to include the remaining section of Brown Avenue for improvements. Phase II of the project was successfully bid and construction began in early 2021. Mr. Baucum is assisting with construction management of the project.(ongoing)

Improvements to "Rheem" Building, Department of Drainage, Jefferson Parish, LA. HDCA prepared plans and specifications for modifications to the Drainage Department's Yard Facility on the East Bank. Improvements included the addition of a dormitory and staging area for staff during emergency operations. Mr. Baucum also provided Resident Inspection Services periodically throughout construction of the project. Construction has been completed and the facility is now in-use. (2020)

Sewer Lift Station L12-3 Rehabilitation, Department of Sewerage, Jefferson Parish, LA. HDCA was selected to provide engineering analysis and design of a relocated lift station to replace an obsolete station currently in operation. The new station is a triplex station with three 100 HP submersible sewage-handling pumps. HDCA prepared bid documents for the new station and associated piping modifications. The overall station capacity is 3100 GPM. Construction cost was $1.4 M and the project was completed successfully. Mr. Baucum served as Resident Project Representative. (2013)

WATER SUPPLY, TREATMENT, AND DISTRIBUTION

Chalmette Vista Waterline Replacement, St. Bernard Parish, LA. This project, funded by the Drinking Water Revolving Loan Fund, replaced 11,750 lf of existing waterline located throughout the Chalmette Vista subdivision in St. Bernard Parish. Water lines replaced include portions on the following Chalmette Vista streets: W. Claiborne Square, Packenham, Keane, Carmack, Carolina, Carrol, E. Chalmette and Old Hickory. Other components of the project included the replacement of approximately 40 fire hydrants, tying in existing services, and replacing gate valves. Additionally, 70 of the 261 services in the subdivision received new meter boxes. Mr. Baucum served as construction manager and assisted with resident inspection services for the construction phase of this project. (2020)

John Baucum
continued

Hurricane Recovery Administrative and Program Management, Department of Public Works, St. Bernard Parish, LA. Mr. Baucum was recently added to the Program Management team to provide Resident Inspection Services for FEMA- and EDA-funded construction projects in St. Bernard Parish. HDCA has provided Program Management services to the Parish as they recover from Hurricanes Katrina and Rita since 2007. Mr. Baucum was brought in to the project at St. Bernard Parish's request to assist with the construction phase of the remaining recovery projects. Projects in which Mr. Baucum has provided inspection services include canal crossings and work at a damaged water tower. (2021)

Comprehensive Water System Rehabilitation, Town of St. Joseph, LA. HDCA provided design, bid phase, and construction administration services for this fast-tracked project funded by State of Louisiana Capital Outlay Program funds. HDCA developed plans and specifications for a comprehensive replacement of the town's water distribution system, including new pipelines, meters, fire hydrants, and other ancillary improvements. HDCA was also retained by the Town to provide design and construction administration services for five separate construction projects at the water treatment plant to provide the Town with a completely rehabilitated water treatment facility. Work at the plant included a new ductile iron and manganese pressure filter, a new activated iron solids precipitation system, new wells, rehabilitation of the existing iron and manganese pressure filter, and the complete assembly and startup of the plant. Mr. Baucum provided field observations in support of design efforts and limited construction inspection services in support of Construction Administration efforts. Construction of the project was recently completed and the Emergency Declaration in St. Joseph has been lifted. (2018)

Old Spanish Trail Waterline Replacement, Department of Public Works, St. Charles Parish, LA. Mr. Baucum served as a Construction Inspector for this water distribution infrastructure project which involved the replacement of an 8 inch ductile iron water distribution pipe with a new 12 inch PVC C-900 water distribution line. Mr. Baucum's responsibilities included tracking of job quantities (pipe, fittings, service taps, and drive & roadway reconstruction), capture of images depicting the progress of the work, overall observation of construction quality, and liaison between the owner, contractor, and other stakeholders. (2011)

Water/Wastewater Operator, Southwest Water Company, Pearl River County, MS. Mr. Baucum served as an operator during transition from City operation to County operation. He was responsible for daily operations of the water distribution and wastewater collection systems, including laboratory activities and maintenance of compliance paperwork including discharge monitoring reports for several municipalities in Mississippi.

Water/Wastewater Operator, City of Picayune, MS. Mr. Baucum served as an operator for the City, responsible for operation and maintenance of the water and wastewater systems, including oversight of 58 sewer lift stations and 28 sewer "grinder" stations.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT

Name & Title:

Jason Guy
Construction Project Manager *(Contractor)*

Project Assignment:

Construction Phase Services

Name of Firm with which associated:

H. Davis Cole & Associates, LLC

Years' experience with this Firm:

Contractor (Since 2015)

Education: Degree(s)/Year/Specialization:

B.S., 1995, Civil Engineering, Louisiana State University

Active Registration: Year first registered/discipline:

Not Applicable

Other experience and qualifications relevant to the proposed Project:

Mr. Guy has a Bachelor of Science degree in Civil Engineering and over two decades of experience providing construction management, program management, estimating, quality control, surveying and design service for governmental and municipal infrastructure projects. He specializes in the construction administration of general municipal and private projects and has participated in the design of a wide variety of projects. Mr. Guy has been instrumental in the successful construction management of federally funded projects including the recovery efforts following Hurricanes Katrina & Rita in St. Bernard Parish, Louisiana.

CONSTRUCTION PROGRAM MANAGEMENT

Program Management Services for FEMA Funded Capital Repairs – Gravity Sewer Repairs, Department of Public Works, St. Bernard Parish, LA. Mr. Guy also handled the oversight of the cleaning, video inspection, and lining of approximately 500,000 linear feet of gravity sewer lines and approximately 1,500 manholes damaged by Hurricane Katrina in 2005. His responsibilities included coordination with State and Federal FEMA officials, scope alignment, tracking, and management of project worksheets and versions, and determination and inspection of uncaptured damages. During Mr. Guy's tenure of oversight, the project has been increased from zero Federally-obligated funding to a $48 M program. (Ongoing)

Roadway Rehabilitation Program, St. Bernard Parish Government, LA. As a Construction Manager for the Roadway Rehabilitation Program, Mr. Guy has assisted in identifying and justification of additional eligible storm damage throughout both the design phase and construction phase for FEMA assessment. Mr. Guy has facilitated the resolution of construction-related field issues with third-party architects and engineers, contractors, and St. Bernard Parish Government. Mr. Guy works to ensure construction schedules are followed and maintained. Mr. Guy has also served as an Owner's Representative to address and resolve resident complaints related to the construction activities. (Ongoing)

Canal Crossing Projects, St. Bernard Parish Government, LA. Mr. Guy's duties included, but were not limited to, acquiring scope approval and funding authorization for project eligibility from FEMA (developing a Project Worksheet), facilitating proper procurement for A/E and construction services, identifying and justifying additional eligible storm damage throughout both the design phase and construction phase for FEMA assessment (versioning a Project Worksheet), reviewing, analyzing cost, a processing of contract amendments and change orders, processing all applications for payment while assuring compliance with State guidelines and FEMA eligibility. He was also responsible for holding regularly scheduled progress meetings with the A/E, contractor, and Owner during the construction phase, facilitating resolution of constructon-related field issues with A/E, contractor, and Owner, serving as an Owner's representative to address and resolve resident complaints related to the construction activities, ensuring construction schedules are followed and maintained, performing regular site visits and project

TEC Professional Services Questionnaire

Jason Guy
continued

walk-throughs as part of invoicing and change order reviews, tracking all project-related costs and billings, facilitating project close-out for both construction and grants management (maintain project files and transmittals), reporting on a weekly basis updated project summaries for the Parish President. (Ongoing)

DOTD Submerged Roads Program - St. Bernard Parish Street Rehabilitation Program, St. Bernard Parish, Chalmette, LA. HDCA served as a subconsultant to Digital Engineering and Imaging Inc. for this DOTD Submerged Roads Program project. HDCA provided Construction Engineering and Inspection (CE&I) services for this Parish-wide, multi-street project. The construction consisted of clearing and grubbing, grading, cold planing asphaltic concrete, and pavement patching. Materials utilized included Class II Base course, Superpave asphaltic concrete overlay, Superpave asphaltic concrete pavement, and Portland Cement Concrete Pavement. Mr. Guy represented HDCA both in the field and at construction progress meetings and was heavily involved in daily CE&I activities. Construction has been completed and the project is awaiting closeout. (ongoing)

Lake Lery Marsh Creation CIAP Program Management, Department of Public Works, St. Bernard Parish, LA. HDCA served as the Parish's Construction Program Manager for this Coastal Impact Assistance Program (CIAP) - funded project in Delacroix, Louisiana. The project involved dredging and material placement for the creation of approximately 67 acres of marsh in Lake Lery adjacent to Bayou Terre aux Boeufs. As Construction Program Manager, HDCA served as the Owner's Representative during construction, responsible for oversight of the construction administration process, coordination and interface with grant and regulatory agencies, overall grants management and closeout, and construction inspection. Mr. Guy assisted with field support services and construction administration for the duration of construction of Phase I of the project which was completed in 2017. HDCA was recently awarded Phase II of this project which will include the creation of an additional 23 acres of new marsh. (Ongoing)

Task Order No. 3 - JIRR Program Assessment, Department of Public Works, City of New Orleans, LA. HDCA, as part of a Joint Venture with CSRS, Inc., provided the City of New Orleans' Public Works Department with an overall assessment of the FEMA-funded Joint Infrastructure Road Recovery (JIRR) Project. The assessment included the overall evaluation of ongoing roadway projects, department manpower, management costs, operating procedures, construction market and vendor capacity, as well as recommendations to ensure successful JIRR program compliance in accordance with federal, state and city requirements. Mr. Guy was embedded within the Department to observe day-to-day operations and develop tailored recommendations aimed at improving the efficiency of the program's delivery. (2019)

City of Central Flood Recovery, Project Management and Funding Management Program, City of Central, LA. A team of HDCA and CSRS, Inc. staff members worked together to assist the City of Central following the devastating 1,000-year flood that impacted residents in August 2016. Our team assisted the City with program management, funding decisions, and the development of processes needed to expedite the obligation of disaster relief funding. Mr. Guy provided technical assistance in conducting damage assessments and cost estimates for the program. (2019)

Delacroix Assembly Center, St. Bernard Parish, Louisiana. HDCA provided professional engineering services for the Pavilion and Dockside Improvements to the Delacroix Assembly Center in St. Bernard Parish. The project included the preliminary and final design of the bulkhead & waterfront fishing pavilion, as well as a mobile boat hoist, travel crane platform, as well as overall improvements at the site including an access road. All phases of the project were successfully bid and constructed. Mr. Guy provided construction phase services over the course of construction. (2018)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT

Name & Title:

Angie Triche
Administrative/Project Controls

Project Assignment:

Administrative/Project Controls

Name of Firm with which associated:

H. Davis Cole & Associates, LLC

Years' experience with this Firm:

13 (2008)

Education: Degree(s)/Year/Specialization:

B.S., 2013, Management, University of Phoenix

Active Registration: Year first registered/discipline:

Not Applicable

Other experience and qualifications relevant to the proposed Project:

Ms. Triche serves as a Project Control Specialist at HDCA, responsible for financial and document controls for various projects. Ms. Triche has been responsible for the accounting management of task orders for The SBSA Group, HDCA's Joint Venture company. Additionally, Ms. Triche has skillfully managed the financial reporting aspect of the firm's involvement in the program management of the FEMA-funded hurricane recovery of St. Bernard Parish since the program's inception.

Hurricane Recovery Administrative & Program Management, St. Bernard Parish, LA. Ms. Triche is serving as document control coordinator for the management of FEMA – funded recovery projects in St. Bernard Parish, Louisiana. Ms. Triche's duties include the logging and tracking of incoming documents, distribution of documents to the appropriate Program Manager or Parish Personnel, preparation and maintenance of Project Worksheet Files to ensure that all are ready for closeout, and invoice tracking. Ms. Triche's challenging role includes the tracking and maintenance of documents for over 550 individual projects. (ongoing)

SBSA Task Orders 3, 7, 8, 9, 11, 13, 50, 64, 87, 92, 97. Ms. Triche oversaw billing and invoicing for these task orders for the U.S. Army Corps of Engineers (USACE). These "Staff Extension" Task Orders required detailed invoicing and accounting procedures, and Ms. Triche was responsible for overseeing and coordinating all invoicing activities for multiple staff extension personnel in accordance with USACE standards. (2015)

TEC Professional Services Questionnaire

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

PROJECT NO. 1

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
FEMA-Funded Hurricane Recovery and Restoration Projects - Program Management Services: Water Tower & Fire Hydrants Restoration **St. Bernard Parish, LA** St. Bernard Parish Department of Public Works 1125 East St. Bernard Highway Chalmette, LA 70043 Hillary Nunez, Director 504-278-4314 hnunez@sbpg.net	HDCA personnel served as Program Managers overseeing the restoration of cleaning, inspection, painting and repairs of seven water towers damaged by Hurricane Katrina in 2005. . HDCA personnel also oversaw the replacement/ restoration of 3,600 traditional and "dry" fire hydrants. Responsibilities of HDCA staff members included coordination with State and Federal FEMA officials, scope alignment, tracking and management of project worksheets and versions, and assessment & capture of uncaptured damages. This project also required extensive coordination with the Parish's Fire Department and Department of Water & Sewer *Role: Inspection, Cleaning and Construction Phase Services, Program Management, Grant Management* *Relevant Scope: Water Distribution System Improvements, Fire Safety System Improvements*	
Completion Date (Actual or Estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
2010	$10,8884,000.00	Component of larger program

PROJECT NO. 2

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Booster Disinfection Stations **Ascension Parish, LA** Ascension Parish Government 9039 St. Landry Rd., Building G Gonzales, Louisiana 70737 Carl Ladmirault Project Manager (225) 450-1072 cladmirault@apgov.us	HDCA assisted Ascension Parish Government in selecting appropriate locations for the installation of two (2) chloramine residual booster stations within the Parish's water system on the West Bank of Ascension Parish. HDCA provided layouts for the proposed "package" type Booster Stations, along with mechanical and electrical drawings and construction documents. HDCA will also provide Bid Phase and Construction Phase Services for this ongoing project. *Role: Site Selection, Design Phase Services, Bid Phase Services, Construction Phase Services* *Relevant Scope: Water Treatment System Improvements, Water Distribution System Improvements*	
Completion Date (Actual or Estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
2016	$92,000.00	$19,000.00 (fee)

TEC Professional Services Questionnaire

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

PROJECT NO. 3

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Water Treatment Plant Reconstruction & Expansion **St. Bernard Parish, LA** St. Bernard Parish Department of Public Works 1125 East St. Bernard Highway Chalmette, LA 70043 Hillary Nunez, Director 504-278-4314 hnunez@sbpg.net	The St. Bernard Parish Water Treatment Plant Expansion included the complete mechanical and electrical reconstruction and expansion of 12 million gallon per day (MGD) surface water treatment plant. HDCA served as a sub-consultant to Burk-Kleinpeter, Inc. (BKI) and was responsible for the design of site improvements, drainage design, and construction phase services related to those project elements. This project was funded by LCDBG (Louisiana Development Block Grant) Grants. HDCA also assisted with Construction Administration efforts. *Role: Site Design Improvements, Construction Phase Services* *Relevant Scope: Water Treatment System Improvements, Water Distribution System Improvements*	
Completion Date (Actual or Estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
2010	$22,000,000.00	$350,000.00 (fee)

PROJECT NO. 4

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Water Tank Design Review **New Orleans, LA** University Medical Center 2021 Perdido Street New Orleans, LA 70112 Cary Becker Director of Facilities Management (504)903-3054 cbeck3@lsuhsc.edu	H. Davis Cole & Associates, LLC provided engineering review services of the design and operation of an existing 1 million gallon ground surface water storage tank system currently installed at the new University Medical Center in New Orleans, Louisiana. HDCA was tasked with providing recommendations for protocols for standard operation, flushing, and disinfection of the tank, as applicable. HDCA also provided recommendations for required mechanical modifications to the facility. *Role: Engineering Assessment* *Relevant Scope: Water Distribution System Improvements, Water Treatment System Improvements*	
Completion Date (Actual or Estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
2015	TBD	$4,000.00 (fee)

TEC Professional Services Questionnaire

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

PROJECT NO. 5

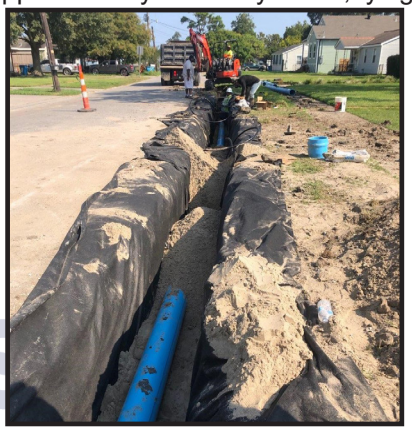
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:
Comprehensive Water System Rehabilitation **St. Joseph, LA** Town of St. Joseph 125 Plank Road Saint Joseph, LA 71366 Mayor Elvadus Fields, Jr. 318-766-3939 David Greer, CPA (225) 347-4117	HDCA, in association with MB Design Consultants (MBDC), provided technical and administrative services for the comprehensive rehabilitation of the Town's water treatment and distribution systems. In December 2016, the project was fast-tracked by the State of Louisiana after Governor John Bel Edwards declared the system a public health emergency after elevated levels of lead and copper were found in the town's drinking water. The comprehensive rehabilitation project included the installation of new water lines, new "intelligent" electronic meters & billing systems, repairs to the town water plant, repairs to the town water tower, and new fire hydrants. HDCA was responsible for the hydraulic modeling and the design of all project elements. The project was funded by the State of Louisiana Capital Outlay Funds through the State of Louisiana Office of Facility Planning and Control. HDCA also assisted the Town and its Grant Management Staff by providing technical and administrative support related to the funding application. HDCA also designed the new Water Treatment Plant for the Town of St. Joseph. The emergency declaration was lifted in March 2018 and the system is now fully-functional. *Role: Preliminary & Final Design, Bid Phase Services, Permitting, Construction Phase Services* *Relevant Scope: Water Distribution System Improvements, Fire Safety System Improvements*

Completion Date (Actual or Estimated):	Estimated Cost:	
	Entire Project:	**Work for which Firm was Responsible:**
2018	$6,200,000.00	$600,000.00 (fee)

TEC Professional Services Questionnaire

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

PROJECT NO. 6

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Chalmette Vista Waterline Replacement (DWRLF 2.6) **Chalmette, LA** St. Bernard Parish Department of Public Works 1125 East St. Bernard Highway Chalmette, LA 70043 Hillary Nunez, Director 504-278-4314 hnunez@sbpg.net	This project, funded by the Drinking Water Revolving Loan Fund, replaced 11,750 lf of existing waterline located throughout the Chalmette Vista subdivision in St. Bernard Parish. Water lines were replaced on portions of the following Chalmette Vista streets: W. Claiborne Square, Packenham, Keane, Carmack, Carolina, Carrol, E. Chalmette and Old Hickory. Other components of the project included the replacement of approximately 40 fire hydrants, tying in existing services, and replacing gate valves. Additionally, 70 of the 261 services in the subdivision received new meter boxes. *Role: Preliminary & Final Design, Bid Phase Services, Permitting, Construction Phase Services* *Relevant Scope: Water Distribution System Improvements, Fire Safety System Improvements* 	
Completion Date (Actual or Estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
2020	$2,500,000.00	$259,000.00 (fee)

PROJECT NO. 7

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Waterline Replacement Project (DWRLF 3.0) **Chalmette, LA** St. Bernard Parish Department of Public Works 1125 East St. Bernard Highway Chalmette, LA 70043 Hillary Nunez, Director 504-278-4314 hnunez@sbpg.net	H. Davis Cole & Associates, LLC personnel are providing construction administration and resident inspection services to St. Bernard Parish for the duration of construction on a new 8" water line to replace existing waterlines on Fazzio Road, Culotta Street, Trio Street, and Victor Street as well as along LA Highway 46 in eight locations. *Role: Construction Phase Services* *Relevant Scope: Water Distribution System Improvements*	
Completion Date (Actual or Estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
Ongoing	$2,655,000.00	$45,000.00 (fee)

TEC Professional Services Questionnaire

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

PROJECT NO. 8

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Ferriday Water System Renovation **Ferriday, LA** Town of Ferriday 1116 2nd St. Ferriday, LA 71334 MB Design Consultants Jatinder Goel (225)612-3989 mbdesigncon@gmail.com	HDCA developed construction documents for the renovation of the Town of Ferriday's existing water distribution system. The existing waterlines were aging and found to be undersized. HDCA developed plans and specifications to replace 14,995 lf of waterlines with a minimum of 6" waterlines throughout the town as well as replacement of the existing fire hydrants. Project has been fully designed and is awaiting funding for bidding and construction. *Role: Preliminary & Final Design* *Relevant Scope: Water Distribution System Improvements, Fire Safety System Improvements*	
Completion Date (Actual or Estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
Ongoing	TBD	$50,000.00 (fee)

PROJECT NO. 9

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
West Bank Water Treatment Plant Filter Upgrade Project **Jefferson Parish, LA** Jefferson Parish Department of Engineering 1221 Elmwood Park Boulevard Jefferson, LA 70123 Angela DeSoto, Director (504) 736-6500 JPengineering@jeffparish.net	Prior to forming HDCA, Mr. Cole participated in the replacement of filter media (deeper profile utilizing anthracite & sand media) and filter troughs; addition of air backwash system including automated control; structural repairs to the filter boxes; addition of a waterproof coating, and; integration of the new work into the existing SCADA system. Project value of $3.5 M. Individual experience of H. Davis Cole, who served as Project Engineer. *Role: Preliminary & Final Design* *Relevant Scope: Water Treatment System Improvements*	
Completion Date (Actual or Estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
2003	Independent Experience	Independent Experience

TEC Professional Services Questionnaire

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

PROJECT NO. 10

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:
St. Joseph Water Treatment Plant Rehabilitation **St. Joseph, LA** Town of St. Joseph 125 Plank Road Saint Joseph, LA 71366 Mayor Elvadus Fields, Jr. 318-766-3939 David Greer, CPA (225) 347-4117	In addition to having served the Town of St. Joseph for the design and construction management of the Town's comprehensive water line replacement project, HDCA also assisted the Town with the design and construction of a new Water Treatment Plant. Due to the declaration of emergency in St. Joseph regarding their substandard potable water, this project was separated into five distinct design packages to expedite the procurement of equipment and installation at the water treatment facility. These packages included a new ductile iron and manganese pressure filter, a new activated iron solids precipitation system, new wells, rehabilitation of the existing iron and manganese pressure filter, and the complete assembly and startup of the plant. HDCA staff members were heavily involved in the design, permitting, bidding, and construction administration of this important project. Construction of the project was completed and the water plant is now fully functional.

Completion Date (Actual or Estimated):	Estimated Cost:	
	Entire Project:	**Work for which Firm was Responsible:**
2018	$3,060,000.00	$298,854.00 (fee)

TEC Professional Services Questionnaire

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

Parties:		Status/ Result of Case:
Plaintiff:	**Defendant:**	
1. HDCA has never been involved in litigation with Jefferson Parish.		
2.		
3.		
4.		

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

H. Davis Cole & Associates, LLC
Consulting Engineers

FIRM HISTORY

HDCA was founded in 2006 and has rapidly grown to be a leader in providing exceptional client services to meet the public works engineering and environmental needs of municipal, governmental, and private sector through performance, quality, and teamwork. HDCA was recently awarded a **Louisiana ACEC Engineering Excellence Honor Award** in 2019 for the firm's involvement in the Comprehensive Water System Replacement project undertaken for the Town of St. Joseph, Louisiana. Our highly qualified team of motivated professionals provides a variety of services that include design, engineering and analyses, field investigations, construction management, construction inspection, computer modeling, environmental documentation, permitting, and regulatory support. For ***three years in a row***, HDCA was included in the LSU 100, which recognizes the fastest growing LSU-alumni-owned businesses in the world. Each year, the award distinguishes one hundred successful entrepreneurs hailing from Louisiana State University who best embody the institution's values, character and leadership. The company is licensed in the States of Louisiana, Mississippi and Texas with professional engineers registered in all states. HDCA offices are located in Chalmette and New Orleans, Louisiana.

H. Davis Cole & Associates 15 Years in Business 2006 2021 Consulting Engineers

LSU ONE HUNDRED fastest growing tiger businesses

HDCA's staff members have a plethora of experience in Civil and Environmental Engineering, all of which is in the design and construction oversight of major infrastructure projects in an engineering consulting firm setting. The primary areas of expertise

LED | LOUISIANA ECONOMIC DEVELOPMENT
Certified Small Entrepreneurship • Hudson Initiative

TEC Professional Services Questionnaire

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

for the HDCA staff is in the drainage, roadway and water & wastewater arenas. The vast majority of HDCA's workload has been in the federally funded capital repair sector, including program and project management, design, and eligibility assessment and inspection services. HDCA has also provided technical services to various industrial entities. Furthermore, HDCA was an equity partner of a joint venture corporation, The SBSA Group, Ltd., which was a Prime Contractor for a $50M USACE IDIQ contract.

EVALUATION CRITERIA

1. Professional training and experience in relation to the type of work required for the routine engineering services:	HDCA has worked with almost every facet of the public sector and the private industry, serving individual clients with the utmost professionalism. The personnel at HDCA possess a wide range of experience in terms of both project type and magnitude. This is evidenced in the résumés of our key personnel provided within this Questionnaire. HDCA possesses significant in-house capabilities, including Computer Aided Design and Drafting (CADD) capabilities using AutoCAD, MicroStation and structural modeling utilizing RISA-3D software package. HDCA also possesses significant sewer and water modeling capabilities through Bentley SewerGEMS and expertise with EPANET. HDCA is committed to maintaining the latest technology available to our profession to improve our ability to stay connected and accessible to our clients. This commitment extends into the production aspects of our business by using technology to improve our work efficiency and accuracy. This commitment to technology results in significant savings to our clients in both the schedule and budget. To supplement our in-house staff capabilities and expertise, we maintain an extensive professional network and have maintained strong personal and professional relationships with large & small specialty firms that provide supporting services such as wetlands specialists, FEMA specialists, grant managers, electrical engineering, structural engineering, geotechnical engineering, environmental engineering, land surveying, and materials testing / inspections /construction quality control services, on whom we rely as needed to assist us in special design considerations that are outside our area of expertise. These relationships allow us to provide comprehensive, turn-key, engineering services to our clients. As required, we employ capable, experienced sub-consultants on an as needed basis for specialized tasks. HDCA personnel have successfully managed and/or participated in a variety of projects including U.S. Army Corps of Engineers (USACE) projects, FEMA Hurricane Recovery and Restoration Program Management and Engineering Design Projects, FEMA Hazard Mitigation Grant Program Planning and Engineering Design Projects, Louisiana Community Development Block Grant (LCDBG) Program Projects, and general engineering design.
2. Capacity for timely completion of newly assigned work, considering the factors of type of routine engineering tasks, current unfinished workload, and person or firm's available professional and support personnel.	Based on the firm's current and expected project workload and schedule, HDCA is capable of allocating the necessary resources and manpower required to support Jefferson Parish for the duration of the design and construction of any assigned sewerage project. The contract and project management philosophy of HDCA is to maintain a strong working relationship with the client to protect your interests and accomplish project goals in a cost effective, responsive, and responsible manner. These interests and goals are to produce and deliver the highest quality projects that are welcomed by all stakeholders, and are technically and environmentally sound, affordable and completed within the project schedule.

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Below is a table depicting all of HDCA's active projects for Jefferson Parish:

Project Name	Stage
Price Brothers Force Main Assessments (Council Districts 1, 2, 3, & 4)	Assessment (Dormant)
Bayou Segnette DPS No. 1 Bridge & Climber Screen	Construction Completed
Avondale North Sewer Lift Station (F-10-1)	Design Phase (Dormant)
Brown Avenue Canal Improvements	Phase I: Completed Phase II: Construction Ongoing
Ehret & Broas Lift Station	FInal Design Phase
Metairie Road Smart Growth - Causeway Interchange	Design Phase
N. Hullen Street Drainage Improvements	Construction Phase Services
Harvey Revitalization Study	Study Finalization, Community Presentations
Ames Blvd. Resurfacing (Construction Administration)	Construction Completed
Cousins Blvd. Extension (sub to Digital Engineering)	Construction Phase Services Only (Not Yet Started)
Avondale Library (sub to N-Y Associates)	Final Design Phase

	HDCA personnel are adept at managing multiple projects in varying phases of design and construction at any given time. This is accomplished through clear communication of goals and expectations with our clients at every phase.
3. Location of the principal office where work will be performed.	HDCA has three offices located throughout Southeast Louisiana in Chalmette and New Orleans. Our corporate headquarters is located in nearby New Orleans at 1340 Poydras St. in the Orleans Tower. This proximity will allow our project managers and design team to be on-site quickly to any project assigned. We are also readily available to attend and assist with any meetings regarding the project, regardless of whether meetings are held at the project site or at a Jefferson Parish Government location. We're a local firm and our roots are firmly planted in the area. Our staff members will be dedicated to providing the highest level of professional services to ensure the integrity of any project assigned.
4. Adversarial legal proceedings between the Parish and the person or firm performing professional services, in which the Parish prevailed or any ongoing adversarial legal proceedings between the Parish and the person or firm performing professional services excluding those instances or cases where the person or firm was added as an independent party, or where the person or firm participated in or assisted the public entity in prosecution of its claim.	HDCA, nor any firm personnel, have never been involved in litigation with Jefferson Parish.
5. Prior successful completion of projects of the type and nature of routine engineering services, as defined, for which firm has provided verifiable references.	Since the firm's inception in 2006, HDCA has participated in a wide variety of "wet" infrastructure projects within the civil engineering realms of drainage, water, and wastewater treatment and conveyance systems. These experiences have led to our firm developing a specialized expertise in this arena. HDCA has successfully completed infrastructure projects from inception to construction, and our level of involvement in previous projects has included preliminary design and planning services, final design services, bid phase services, construction administration services, and permitting services for these important projects. At all phases, HDCA carefully considers the Owner's interests and operational

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New softner bank at the Town of St. Joseph Water Plant

Construction on the new well for the Town of St. Joseph

New pressure filter at the Town of St. Joseph Water Plant

(Above) St. Joseph and State officials marked the Ribbon Cutting of the new water treatment plant. Gov. John Bel Edwards holds up a bottle of brown water produced by the old system and Mayor of St. Joseph, Elvadus Fields holds up a glass of the clear water produced by the new system.

preferences, resulting in a highly customized design that will meet both the needs of Jefferson Parish and regulatory agencies. HDCA is familiar with water distribution, storage, and treatment structures in a variety of different settings; and through this experience, our staff members have gained a thorough understanding of the nuances that accompany the physics and chemistry of both large and small systems.

Generally, HDCA approaches the engineering design of any wet infrastructure project, with a special emphasis placed on customizing the approach to suit the Owner's needs and preferences. Our project approach for addressing any project assigned by Jefferson Parish will be dictated by the goals and needs expressed by Parish officials and operators. Our design team's philosophy with water-related infrastructure is to incorporate sound hydraulic, mechanical, and electrical design principles along with operator preferences to design a long-lasting, easily operated and maintained facility.

From the design of wells to full redesigns of existing water treatment plants, HDCA staff members are familiar with the critical disinfection and sanitary issues that must be considered in designing for potable water. Throughout the history of the firm, HDCA staff members have participated in a wide variety of potable water projects, from simple wells, to system assessments, and even comprehensive system replacements.

HDCA recently provided technical and administrative services for the renovation and replacement of the entire potable water system for the Town of St. Joseph, Louisiana. The Town of St. Joseph's water system was badly in need of replacement due to an aging distribution system and the discovery of elevated levels of lead in the water. HDCA staff members designed comprehensive repairs to the system, including new water lines, new "intelligent" electronic meters & billing system, new fire hydrants, repairs to the existing water tower, and repairs to the Town's water plant. The cost of the entire program is approximately $6,200,000. HDCA staff members participated in every step of the design process, including preliminary design work, bid phase, permitting, final design, resident construction inspection, and facilitating the construction of the project through frequent communication between the various contractors involved and the State of Louisiana. The project included the installation of approximately 65,000 lf of new water lines and 525 new water meters. The Emergency Declaration was lifted in early 2018 and the system is now fully functional.

The problem of aging problem of aging infrastructure is one that plaques cities and towns across Louisiana. HDCA is passionate about assisting communities with maintaining and rehabilitating the existing equipment as well as making sensible recommendations if replacements are required, to ensure a long-term solution for safe drinking water.

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6. Size of firm.	HDCA is certified under the Small Entrepreneurship Program as a Hudson Initiative Certified Firm by the Louisiana Department of Economic Development. HDCA has sufficient engineering and administrative support personnel to provide comprehensive professional services to Jefferson Parish for the duration of the project. **Minimum Requirements for Selection:** **1. One principal who is a professional engineer who shall be registered as such in Louisiana.** *This requirement is met by Mr. H. Davis Cole, P.E., the principal engineer of HDCA.* **2. A professional in charge of the project who is a professional engineer who shall be registered as such in Louisiana with a minimum of five (5) years experience in the disciplines involved.** *This requirement can be met by HDCA's principal engineer, Mr. H. Davis Cole, P.E. who will serve as the professional in charge of the project. Mr. Cole has been licensed as a professional engineer in the State of Louisiana since 2002 and infrastructure improvement projects have played an important role in his career.* **3. One person who is a professional engineer registered as such in Louisiana in the field or fields of expertise required for the project (A sub-consultant may meet the requirement only if the advertised project involves more than one discipline).** *This requirement can be met by both of HDCA's professional civil engineers: Mr. H. Davis Cole, P.E. and Ms. Avis Gaines, P.E.. Both of whom are licensed professional engineers in the State of Louisiana and have more than a decade of experience working on infrastructure projects.*
7. Past Performance by person or firm on projects of or similar comparable size, scope and scale. Assertions of fault by a person or firm, which shall include time delays, cost overruns, and or design inadequacies in prior work completed for the Parish shall be evidenced by substantiating documentation provided by the Director of Public Works for the requesting department or the Director of Engineering and received by the Chairman of the Evaluation Committee a minimum of two (2) weeks prior to the scheduled date of the Technical Evaluation Committee meeting.	HDCA is proud of our relationship with Jefferson Parish, having served Jefferson Parish on a variety of infrastructure improvement projects over the course of the firm's existence. Individual personnel members have provided engineering services to the Parish prior to joining HDCA and we're dedicated to continuing to serve the Jefferson Parish community. As such, HDCA does not have a history of design inadequacies, time delays, nor cost overruns. HDCA's long-standing relationships with governmental agencies and clients is the key to our business' success. Please feel free to contact our major governmental and private clients, which include those listed below, regarding our past performance on engineering design and project management related projects. Additional references are available upon request. • *Donny Bourgeois, Recovery Manager, 504-278-1593, St. Bernard Parish Government, Louisiana* • *Mike Noto, Deputy Chief Administrative Officer, 985-646-4330, City of Slidell, Louisiana* • *Blaine Clancy, P.E., City Engineer, 985-646-4270, City of Slidell, Louisiana* • *Donna O'Dell, P.E., PhD, Asst. Director - Capital Projects, 985-2552, St. Tammany Parish Government, Louisiana*

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

Signature: _____ **Print Name:** H. Davis Cole, P.E.

Title: Managing Member **Date:** March 29, 2022

LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING (LAPELS) CERTIFICATION

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

Name	Public Address
H. Davis Cole & Associates, LLC	1340 Poydras Street, Suite 1850 New Orleans, LA 70112

License/Certificate Information w/Supervision

License	Status	First Issuance Date	Expiration Date	Supervisor(s)	Supervisee(s)
EF. 003485	Active	05/30/2006	09/30/2022	Mr. Howard Davis Cole #PE.0030219-Active	

Small Entrepreneurship Certification - Hudson Initiative

Date: 3/29/2021
Certification ID: 5244

H. Davis Cole & Associates, LLC
1340 Poydras Street - Suite 1850
New Orleans , LA , 70112

Congratulations! Your business has been certified by the Louisiana Department of Economic Development in the Hudson Initiative.

The purposes and intent of this program are to provide the maximum opportunity for Louisiana-based small businesses to become certified under the Hudson Initiative in order to facilitate access to state procurement and public contracts; and to encourage business opportunities for Louisiana small businesses and entrepreneurs.

Annual online re-certification is a requirement to remain certified in this program. As a reminder, the LEDSmallBiz website will automatically send a notification, via email, one month prior to your business's annual re-certification date. Failure to report or failure to report on a timely basis will result in termination for non-compliance of your business's Small Entrepreneurship (Hudson) certification and loss of the benefits of the program.

Now that your business is certified in the Hudson Initiative, your business should register with state purchasing through the LaGov Supplier Portal (LaGov) in order to utilize this program to its fullest potential.

Thank you for participating in the Hudson Initiative. Together we will build a better economy for our state and a stronger business climate for your own success and future.

Stephanie R. Hartman
Director, Small Business Services

LOUISIANA ECONOMIC DEVELOPMENT

DIVISION OF SMALL BUSINESS SERVICES

This certification acknowledges that

H. Davis Cole & Associates, LLC

is Certified-Active as a Small Entrepreneurship with
Louisiana Economic Development's Hudson Initiative.

This certification is valid from 3/29/2021 to 3/29/2022 .

Certification No. 5244

Stephanie Hartman,
Director, Entrepreneurial Services