

Routine Engineering Services for Sewerage Projects

SOQ No. 22-010

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 Sewerage Projects

SOQ No. 22-010

Resolution No. 138812

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: hddcole@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: hddcole@hdaviscole.com

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

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

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

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

TEC Professional Services Questionnaire

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

1. 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:



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

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)

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)

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

TEC Professional Services Questionnaire

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 - Villavaso-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)

TEC Professional Services Questionnaire

H. Davis Cole, P.E.

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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)

WASTEWATER COLLECTION & TREATMENT

Improvements to the Terrace Avenue Wastewater Treatment Plant, City of Slidell, LA. HDCA is providing engineering design services to implement mechanical, structural, and process improvements at the City's existing Terrace Avenue WWTP. HDCA had previously provided the City of Slidell with a structural and mechanical assessment of the various existing facilities at the Terrace Avenue WWTP. The plant has an average daily flow of approximately 4.0 MGD and a peak hydraulic capacity of 15 MGD. Facilities and processes to be addressed include the headworks, grit removal system, primary clarifiers, secondary clarifiers, chlorination facility, spray water system, return activated sludge pump station, waste activated pump station, and in-house station. HDCA also prepared construction cost opinions and prepared an application for funding for future improvements through the EPA/LDEQ Clean Water State Revolving Loan Fund which was accepted for funding by LDEQ and EPA. Mr. Cole, who has been integral in the design of previous rehabilitations at the station over the course of his career, will serve as the Technical Advisor for the project. (ongoing)

Farmsite and Torres Lift Station & Force Main Improvements, St. Bernard Parish, LA. HDCA is providing professional design, permitting, bid phase, and construction phase services related to the replacement of existing Lift Station R2-01 in St. Bernard Parish. The existing station will be demolished and decommissioned and replaced with a new station. The new force main for the project will connect the new R2-01 station to the existing Riverbend Oxidation Pond. Mr. Cole is serving as Project Manager overseeing the design of the new station which is currently being bid. (ongoing)

LA 42/LA 73 Sewerage Improvements, Ascension Parish, LA. Mr. Cole served as Technical Advisor for this extension to the sewerage force mains along LA 42/LA 73 in Ascension Parish. Improvements to the system included providing sewerage to an uncaptured area, and the addition of a 32,500 gallon per day extended aeration wastewater treatment facility. HDCA was also responsible for the design of new force mains, treatment facility, odor control, and mechanical modifications to three existing sewerage lift stations. (2017)

TEC Professional Services Questionnaire

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Lecompte Wastewater Treatment Plant Repairs, Town of Lecompte, LA. The project included the renovation of a 250k gallon per day (GPD) treatment pond to include floating covers, trickling filters, and polishing reactors to meet more stringent discharge requirements. The project also included Infiltration/ Inflow work (including complete rehabilitation of three sewer lift stations) to reduce loads on pond. Project funded through USDA Rural Utilities Service Grants. Mr. Cole served as Technical Advisor on the project. (2017)

Structural and Mechanical Condition Assessment of the Terrace Avenue Wastewater Treatment Plant, City of Slidell, LA. HDCA provided the City of Slidell with a structural, mechanical, and civil condition assessment of process elements and general facilities at the Terrace Avenue Wastewater Treatment Plant. HDCA evaluated the existing equipment at the Plant and developed recommendations and cost opinions for rehabilitation and improvements. Mr. Cole served as Technical Advisor and prepared a funding application for LDEQ Clean Water State Revolving Funds for the future improvements which was accepted for funding by EPA and LDEQ. (2017)

Rehabilitation of the Kenner Effluent Pump Station, Department of Public Works, City of Kenner, LA. HDCA provided engineering services for this pump station rehabilitation which entails expansion of the station from a capacity of 43 MGD to 60 MGD. The project includes new 300 HP vertical turbine pumps, pump isolation valves, discharge manifold modifications to allow the station to feed two effluent force mains, and extensive electrical and controls modifications. Mr. Cole served as Technical Advisor. (2016)

Lift Station 19, Department of Public Works, City of Mandeville, LA. HDCA provided engineering for the complete reconstruction of the City's Sewerage Lift Station 19. The reconstructed station will be located adjacent to the existing lift station with the existing structure to be retained as an auxiliary retention structure. The new station will have a capacity of 950 gallons per minute and includes all new electrical, mechanical, and odor control systems. HDCA also provided construction management (CM) services for the duration of construction. Mr. Cole served as a technical advisor. (2015)

Expert Witness Services for Plaquemines Parish Detention Center Lift Station and Grinder Station, J.L. Roberts Mechanical Contracting, Plaquemines Parish, LA. Mr. Cole is currently serving as an expert witness in this case involving the construction of a lift station and grinder station at the Plaquemines Parish Detention Center (PPDC). HDCA is conducting reviews of the structural design of the station. (2015)

Town of Sorrento Sewer Extension, Sorrento, LA. HDCA served as a sub consultant to J&J Engineers of Baton Rouge and provided technical services related to a sewer extension to an unsewered area along LA 22. Mr. Cole served as Principal-in-Charge. (2013)

Sewer Lift Station L12-3 Rehabilitation, Department of Sewerage, Jefferson Parish, LA. HDCA provided engineering services for the replacement of an obsolete sewerage lift station on the West Bank of Jefferson Parish. HDCA provided design and construction management services for the overall project which included the construction of a new triplex submersible lift station with a capacity of 3,100 gallons per minute, approximately 350 ft. of deep gravity sewerage pipeline, and approximately 350 ft. of sewerage force main pipeline. The project also included piping modifications in order to connect the new station to a pre – installed sewerage force main pipeline along Belle Terre Road. Construction was recently completed. Mr. Cole served as a Technical Advisor and provided construction management services for the project. (2013)

Reptile Tannery of Louisiana Pre-Treatment Facility, Lafayette, LA. As a sub-consultant to Royal Engineers and Consultants, HDCA provided preliminary and engineering detailed design services for a pre-treatment facility at RTL's Lafayette Tanning Facility. During preliminary design, HDCA assisted Royal in evaluation of several biological and physical treatment processes. Due to the high biological loadings and low flow rates, a sequencing batch reactor (SBR) technology coupled with a dissolved air flotation (DAF) unit was selected for the plant design. In the final design, HDCA prepared detailed drawings for all mechanical components of the plant, including pumps, piping, valves, and other appurtenances. Mr. Cole served as Principal-in-Charge/Technical Advisor. (2012)

Kenner Wastewater Treatment Plant Effluent Pump Station Hydraulic Study, Department of Public Works, City of Kenner, LA. HDCA prepared a study including recommendations for improving the City's Consolidated WWTP No. 3 effluent pump station's capacity from 43 MGD to 60 MGD. HDCA provided cost opinions related to those recommendations and for recommended hydraulic and process improvements. Mr. Cole served as Technical Advisor/ Client Services Manager. (2012)

Terrebonne Parish Lift Station Rehabilitation (Bobbie Lou, Brittany, and Elysian), Terrebonne Parish, LA. HDCA provided design and construction phase services related to the complete reconstruction of three sewer lift stations in Houma. HDCA prepared the bid documents and provided construction administration & inspection services for the project, which included the conversion of these self-priming stations to submersible stations. Mr. Cole served as Technical Advisor. (2012)

Crawfish Town USA Wastewater Treatment Plant Certification, Henderson, LA. Mr. Cole completed a Louisiana Department of Health & Hospitals Design Summary Package and design review for a proposed mechanical wastewater treatment package plant to replace an existing pond at a restaurant. Mr. Cole reviewed the design for compliance with applicable requirements of the Louisiana State Sanitary Code. Construction was completed successfully. (2011)

Jean Lafitte Sewer Force Main Program Management, Department of Water and Sewer, St. Bernard Parish, LA. Mr. Cole served as Program Manager for this EDA-funded project which included the installation of a 16 inch diameter force main along Jean Lafitte Parkway in Chalmette, Louisiana. The force main runs along Jean Lafitte Parkway for its entire length. The \$1.7 M project was funded through EDA grants as part of the Sewer Consolidation Program, managed by Mr. Cole. (2009)

TEC Professional Services Questionnaire

H. Davis Cole, P.E.

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Sewer Pump Station Rehabilitation Package No. 11, St. Bernard Parish, LA. HDCA was responsible for the design, bidding, and construction administration for the rehabilitation of 12 sewer pump stations damaged by Hurricane Katrina including the replacement of pumps and control panels along with the implementation of various Hazard Mitigation measures. The design of this project was completed within a two week period and was successfully bid and awarded (\$2.2 M construction cost). HDCA was also responsible for reviewing the associated FEMA Project Worksheets for scope and FEMA funding eligibility and preparation of the final bid documentation. Mr. Cole served as Principal Engineer/Client Services Manager for this project. (2009)

Preliminary Design of Sewer Lift Stations (Parish-Wide), Department of Water and Sewer, St. Bernard Parish, Chalmette, LA. HDCA prepared the preliminary design and determination of hazard mitigation measures for 92 sewer lift stations throughout St. Bernard Parish. The stations were damaged as a result of Hurricane Katrina. Using damage assessments and the FEMA Project Worksheets, along with a pre-storm pump station inventory, HDCA prepared hydraulic calculations required to determine pump station system curves and design points. HDCA also developed standard specifications for St. Bernard Parish Lift Stations. These specifications included pumps, valves, protective coatings, pipe and fittings, control panels, and Supervisory Control and Data Acquisition (SCADA) hardware & software requirements. (2007)

Wastewater Treatment Consolidation Project, City of Kenner Department of Public Works, Kenner, LA. Design of mechanical, process, electrical, and instrumentation systems required to expand the City of Kenner's Wastewater Treatment Plant No. 3A to an Average Daily Flow capacity of 13.83 MGD from its then-current average daily flow capacity of 4.95 MGD. The project cost approximately \$9.0 M. After completion, the City transferred flow from two smaller plants to the expanded plant and, therefore, consolidated wastewater treatment within the city. Mr. Cole served as the Project Manager for the design of the mechanical, process, electrical, and instrumentation systems. (2005)

Riverbend Oxidation Pond Closure Project, Department of Water and Sewer, St. Bernard Parish, LA. Due to regulatory compliance issues at the Riverbend Oxidation Pond, the Parish of St. Bernard began the process of closing the oxidation pond and transferring its flow to an existing mechanical treatment plant, the Munster Wastewater Treatment Plant. The cost opinion for the project was \$4.0 M for all phases. Mr. Cole served as the Principal Engineer and Project Manager for the project. (2005)

Violet Wastewater Treatment Plant Transfer Pump Station, Department of Water and Sewer, St. Bernard Parish, LA. As a component of the overall consolidation plan for the wastewater treatment facilities throughout St. Bernard Parish, a pump station was required to transfer wastewater flows from the Violet Wastewater Treatment Plant (WWTP) service area to the consolidated Munster WWTP. For this, Mr. Cole prepared the Preliminary Design Report (PDR) which defined all design parameters for the proposed station and established a construction budget of \$3.0 M. The proposed station will make use of the existing influent pump station structure of the existing return activated sludge pump station, rehabilitation of the diffused air aeration systems in the plant's aeration basins, rehabilitation of the primary and secondary sludge control valves and flow meter boxes, rehabilitation of the secondary clarifiers, rehabilitation of the anaerobic digester No. 1 and heating and mixing system (complete with a new building), rehabilitation of the digested and thickened sludge pump stations, rehabilitation of the existing effluent pump station and chlorine storage areas, and replacement of all existing motor control centers throughout the plant. The project was funded through the EPA/ LDEQ Clean Water State Revolving Loan Fund. (2003)

City Sanitary Sewer Model, Department of Engineering, City of Slidell, LA. Using existing GIS shape files of the City's sanitary sewer collection system, Mr. Cole led a project team in the development and calibration of a computerized hydraulic model of the sanitary sewer system. The model was created using the Hydroworks modeling package and included all sewer lines 12" in diameter and greater as well as all sewer lift stations. The model was calibrated through a city-wide flow monitoring program which helped correlate rainfall with increased sanitary sewer flows, thereby quantifying the City's infiltration problem. (2003)

Northshore Mall Pump Station and Force Main Project, City of Slidell, Department of Public Utilities, Slidell, LA. Under this project, an approximate 2.8 mile, 8-inch diameter sewer force main and associated sewer pump station were constructed to transport wastewater from the Northshore Square Mall WWTP to the main City of Slidell sewer collection system. As a result, the small package WWTP will be demolished. The force main was constructed entirely of high density polyethylene (HDPE) piping with fusion welded joints. Where the pipeline crossed roadways and railroad lines, portions of the pipeline were installed via horizontal directional drilling (HDD) methods. The sewer pump station utilized duplex submersible pumps with redundant pump control systems to increase station reliability. Mr. Cole, as the Project Manager, provided design, permitting, bid, and construction administration services for 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:



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

TEC Professional Services Questionnaire

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:
<p>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.</p> <p>EXPERIENCE WITH JEFFERSON PARISH</p> <p>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)</p> <p>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)</p> <p>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)</p> <p>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 recently 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)</p>

TEC Professional Services Questionnaire

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)

WASTEWATER COLLECTION & TREATMENT

Improvements to the Terrace Avenue Wastewater Treatment Plant, City of Slidell, LA. HDCA was selected to provide engineering design services to implement mechanical, structural, and process improvements at the City's existing Terrace Avenue WWTP. HDCA had previously provided the City of Slidell with a structural and mechanical assessment of the various existing facilities at the Terrace Avenue WWTP. The plant has an average daily flow of approximately 4.0 MGD and a peak hydraulic capacity of 15 MGD. Facilities and processes to be addressed include the headworks, grit removal system, primary clarifiers, secondary clarifiers, chlorination facility, spray water system, return activated sludge pump station, waste activated pump station, and in-house station. HDCA also prepared construction cost opinions and prepared an application for funding for future improvements through the EPA/LDEQ Clean Water State Revolving Loan Fund which was accepted for funding by LDEQ and EPA. Ms. Merkl has provided CAD and design services for the instrumentation and electrical design of the project. (ongoing)

Farmsite and Torres Lift Station & Force Main Improvements, St. Bernard Parish, LA. HDCA is providing professional design, permitting, bid phase, and construction phase services related to the replacement of existing Lift Station R2-01 in St. Bernard Parish. The existing station will be demolished and decommissioned and replaced with a new station. The new force main for the project will connect the new R2-01 station to the existing Riverbend Oxidation Pond. Ms. Merkl is assisting with the development of design documents. (ongoing)

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:
<p>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.</p> <p>EXPERIENCE WITH JEFFERSON PARISH</p> <p>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)</p> <p>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)</p> <p>Idaho Avenue Drainage Improvements, City of Kenner, LA. HDCA provided "third-party" resident inspection services in support of construction administration activities for this project which included the construction of large diameter drainage piping along Idaho Avenue between 24th and 25th Streets in the City of Kenner. Mr. Baucum provided inspection services for excavation, bedding, and backfill for large diameter reinforced concrete pipe arch drain lines, relocation of existing water lines concrete pavement, and sidewalk reconstruction. Mr. Baucum also coordinated with the City, Contractor, and Residents to ensure that local businesses and residences were minimally impacted by the Contractor's operations. Construction was successfully completed. (2016)</p> <p>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)</p>

TEC Professional Services Questionnaire

John Baucum
continued

WASTEWATER COLLECTION & TREATMENT

Improvements to the Terrace Avenue Wastewater Treatment Plant , City of Slidell, LA. HDCA is providing engineering design services to implement mechanical, structural, and process improvements at the City's existing Terrace Avenue WWTP. HDCA had previously provided the City of Slidell with a structural and mechanical assessment of the various existing facilities at the Terrace Avenue WWTP. The plant has an average daily flow of approximately 4.0 MGD and a peak hydraulic capacity of 15 MGD. Facilities and processes to be addressed include the headworks, grit removal system, primary clarifiers, secondary clarifiers, chlorination facility, spray water system, return activated sludge pump station, waste activated pump station, and in-house station. HDCA also prepared construction cost opinions and prepared an application for funding for future improvements through the EPA/LDEQ Clean Water State Revolving Loan Fund which was accepted for funding by LDEQ and EPA. Mr. Baucum's experience as a former plant operator has allowed him to assist with equipment recommendations throughout the design of the plant. Construction of improvements is currently underway and Mr. Baucum is providing daily project representation services. (ongoing)

Modifications to Sewer Pump Stations F1-03 and F1-01 and Associated Force Mains, St. Bernard Parish, LA. HDCA provided professional engineering services for improvements to the F1-03 and F1-01 sewer pump stations in Arabi, Louisiana. The purpose of the project was to re-route existing force main infrastructure to bypass a poorly performing gravity siphon under the Guerenger Canal. HDCA designed a force main extension from the F1-03 to F1-01 pump stations which included approx. 3,500 linear feet of force main, new air release valves, and multiple trenchless crossings of Louisiana Highway 46. The project also included pumping capacity improvements to the F1-01 and F1-03 Stations. HDCA was responsible for the design of all elements of the project, including civil, process mechanical, and electrical design. Mr. Baucum assisted with construction administration of the project. (2018)

Oak Grove Wastewater Treatment Plant Expansion, Engineering Department, Ascension Parish, LA. Mr. Baucum provided Resident Inspection Services for the Construction Phase of this sewerage improvement project for Ascension Parish Government. The project involved the extension of sewerage force mains along LA 42/LA 73 to provide sewerage service to an uncaptured area, as well as the addition of a 32,500 gallon per day extended aeration wastewater facility. HDCA prepared the design of the new force mains, treatment facility, odor control, and mechanical modification to three existing sewerage lift stations. (2017)


Structural and Mechanical Condition Assessment of the Terrace Avenue Wastewater Treatment Plant, City of Slidell, LA. HDCA provided the City of Slidell with a comprehensive structural, mechanical, and civil condition assessment of process elements and general facilities at the Terrace Avenue Wastewater Treatment Plant. HDCA evaluated the existing equipment at the Plant and developed recommendations and cost opinions for rehabilitation and improvements. Mr. Baucum, as a former plant operator, was instrumental in the assessment of the facility through field visits and assisting with recommendations for areas of improvement at the plant. (2017)

Rehabilitation of the Bobbie Lou, Brittany, and Elysian Sewer Lift Stations, Department of Pollution Control, Terrebonne Parish Consolidated Government, LA. Mr. Baucum served as Construction Inspector for this project which involved the complete rehabilitation of three sewer lift stations in Terrebonne Parish. The stations were converted from self-priming stations to submersible type stations. Mr. Baucum was responsible for capturing images related to the progress of the work, observations of construction quality, preparation of daily inspection reports, and coordination between the contractor, owner, and other stakeholders. (2012)

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 (<i>Contractor</i>)
Project Assignment:
Construction Phase Services
Name of Firm with which associated:
 H. Davis Cole & Associates, LLC
Years' experience with this Firm:
<i>Contractor</i> (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:
<p>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.</p> <p>CONSTRUCTION PROGRAM MANAGEMENT</p> <p>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)</p> <p>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)</p> <p>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 construction-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</p>

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:
<p>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.</p> <p>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)</p> <p>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)</p>

TEC Professional Services Questionnaire

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

PROJECT NO. 1

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Rehabilitation of the Harvey Wastewater Treatment Plant</p> <p>Jefferson Parish Sewerage Capital Improvement Program (SCIP) 1221 Elmwood Park Blvd., Suite 906 Jefferson, LA 70123</p> <p>Sid Trouard, P.E. Program Manager (504) 736-6386 strouard@jeffparish.net</p>	<p>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.</p> <p><i>Role: Preliminary Design, Final Design, Bid Phase Services, Construction Phase Services</i></p> <p><i>Relevant Scope: WWTP Improvements, Hydraulic Calculations, Sewerage Collection System Improvements, Experience with Jefferson Parish</i></p>	
		
Completion Date (Actual or Estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2017	\$6,100,000.00	\$400,000.00 (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. 2

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Lift Station L12-3 Rehabilitation Jefferson Parish, LA</p> <p>Jefferson Parish Department of Sewerage 1221 Elmwood Park Blvd., Suite 803 Jefferson, LA 70123</p> <p>Mike Lockwood, Director (504) 736-6661 jpsewerage@jeffparish.net</p>	<p>HDCA prepared construction documents and provided construction phase services for the relocation of a lift station to replace an obsolete station previously in operation. The new station is a triplex station with three 100 HP submersible sewage-handling pumps. The project also included the construction of 350 linear feet of deep (20+ ft) 24" gravity sewer and 350 linear feet of 16" force main, as well as associated network modifications. HDCA prepared the design of all elements. HDCA also designed and administered the construction of network modifications to connect the new station to a previously installed force main extension. The overall capacity of the reconstructed station is 3100 GPM. Construction cost was \$1.5M. Construction was successfully completed in 2013 and the new station is in operation.</p> <p><i>Role: Preliminary Design, Final Design, Bid Phase Services, Construction Phase Services, Permitting and Resident Project Representative Services</i></p> <p><i>Relevant Scope: Sewerage Lift Station Improvements, Hydraulic Calculations, Sewerage Collection System Improvements, Experience with Jefferson Parish</i></p> <div style="text-align: center;">  </div> <p style="text-align: center;"><i>Relocated and Rehabilitated Station L12-3 in Jefferson Parish</i></p>	
Completion Date (Actual or Estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2013	\$1,500,000.00	\$180,000.00 (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:	
<p>Terrebonne Parish Lift Station Rehabilitation (Bobbie Lou, Brittany, and Elysian) Terrebonne Parish, LA</p> <p>Terrebonne Parish Consolidated Government Public Works Department 1860 Grand Caillou Road Houma, LA 70363</p> <p>David Rome Director of Public Works 985-873-6735</p>	<p>HDCA provided design, bidding, construction administration and resident project representative services related to the complete reconstruction of three sewer lift stations in Houma. HDCA prepared the preliminary design report, as well as plans and specifications for the project, which included the conversion of these self-priming stations to submersible stations, including new pumps, piping, valves, and protective coatings and wet well rehabilitation. The stations included the Brittany, Bobbie Lou, and Elysian Stations. The construction of the project was successfully completed in 2013 and all stations are currently in operation. Construction was funded under the Louisiana Department of Environmental Quality (LDEQ) Clean Water State Revolving Fund (CWSRF) Project.</p> <p><i>Role: Preliminary Design, Final Design, Bid Phase Services, Construction Phase Services, Permitting and Resident Project Representative Services</i></p> <p><i>Relevant Scope: Sewerage Lift Station Improvements, Hydraulic Calculations, Sewerage Collection System Improvements</i></p>	
		
<p><i>Reconstructed "Brittany" Sewer Lift Station</i></p>	<p><i>Reconstructed "Bobbie Lou" Sewer Lift Station</i></p>	
Completion Date (Actual or Estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2013	\$739,000.00	\$122,000.00 (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. 4

Project Name, Location and Owner's contact information:

**LA 42/LA 73 Sewerage Improvements/ Expansion of the Oak Grove Wastewater Treatment Plant
Ascension Parish, LA**

Ascension Parish Government
Engineering Department
42077 Churchpoint Road
Gonzales, LA 70737

Ron Savoy
225-450-1013
rsavoy@apgov.us

Nature of Firm's Responsibility:

H. Davis Cole & Associates, LLC served as the consulting engineer for this project for Ascension Parish. The project involved the extension of sewerage force mains along LA 42/LA 73 to provide sewerage service to an uncaptured area, as well as the addition of a 32,500 gallon per day extended aeration wastewater treatment facility. HDCA prepared the design of the new force mains, treatment facility, odor control, and mechanical modifications to three existing sewerage lift stations. HDCA also provided services pertaining to modifications of LDEQ and LDHH permits for the project. HDCA also worked with DOTD to obtain the appropriate project permits. HDCA also provided resident inspection services for the construction of both phases of this project.

Role: Preliminary Design, Final Design, Bid Phase Services, Construction Phase Services, Permitting and Resident Project Representative Services

Relevant Scope: Sewerage Lift Station Improvements, Hydraulic Calculations, Sewerage Collection System Improvements



Ongoing construction of sewer system extension along LA 42 in Ascension Parish

Completion Date (Actual or Estimated):

Estimated Cost:

Entire Project:

Work for which Firm was Responsible:

2015

\$1,000,000.00

\$99,000.00 (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:	
<p>Violet Sewer Rehabilitation St. Bernard Parish, LA</p> <p>St. Bernard Parish Department of Public Works 1125 East St. Bernard Highway Chalmette, LA 70043</p> <p>Matt Falati, P.E., Director 504-278-4314 mfalati@sbpg.net</p>	<p>HDCA, in association with Burk-Kleinpeter Inc., provided technical services for modifications to sewerage pumping stations and force mains in the Violet area. HDCA oversaw the preparation of a hydraulic model of the sewerage system in Bentley SewerGEMS, which was utilized as a guide for the design of improvements to the system. The project consisted of the construction of three new lift stations, complete rehabilitation of one existing lift station, construction of new force mains, and modifications to the Violet Plant Transfer Station. HDCA prepared the design of two new lift station (reconstructed Station V1-05 and new Station V1-20) and modifications to the Violet Plant Transfer Station. Reconstructed stations V1-05 and V1-20 are triplex, variable speed stations, and the Violet plant transfer station are fitted with surge relief valve (SRV) assemblies. HDCA also provided construction administration efforts for the project.</p> <p><i>Role: Preliminary Design, Final Design, Bid Phase Services, Construction Phase Services, Permitting and Resident Project Representative Services</i></p> <p><i>Relevant Scope: Sewerage Lift Station Improvements, Hydraulic Calculations, Sewerage Collection System Improvements</i></p>	
Completion Date (Actual or Estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2018	\$5,320,000.00	\$415,000.00 (fee)

PROJECT NO. 6

Project Name, Location and Owner's contact information:	State of Louisiana Nature of Firm's Responsibility:	
Reconstruction of Lift Station 19 City of Mandeville, LA City of Mandeville Department of Public Works 1100 Mandeville High Boulevard Mandeville LA 70471 Keith LaGrange, Jr., P.E. Director of Public Works 985-624-3169	HDCA provided design services for the reconstruction of Lift Station No. 19, operated by the City of Mandeville's Department of Public Works. The project consisted of the construction of a new duplex submersible sewerage lift station to replace the existing self-priming lift station previously in service. The project included relocation of gravity sewer, new pumps, valves, and protective coatings. The new station has a capacity of approximately 960 gallons per minute (GPM), and serves the Weldon Park subdivision near Mandeville High School. HDCA also provided construction administration services for the duration of construction. <i>Role: Preliminary Design, Final Design, Bid Phase Services, Construction Phase Services</i> <i>Relevant Scope: Sewerage Lift Station Improvements, Hydraulic Calculations, Sewerage Collection System Improvements</i>	
Completion Date (Actual or Estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2015	\$600,000.00	\$54,000.00 (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. 7		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Farmsite Area Sewerage Lift Station Reconstruction & Force Main St. Bernard Parish, LA St. Bernard Parish Department of Public Works 1125 East St. Bernard Highway Chalmette, LA 70043 Matt Falati, P.E., Director 504-278-4314 mfalati@sbgp.net	HDCA is providing design, permitting, bid phase and construction phase services related to the restoration of functionality at the Farmsite & Torres Lift Station (R2-01). The station is responsible for pumping flow from existing stations R2-02, R2-03, and R2-04 to the Riverbend Wastewater Treatment Plant. The aging, existing station will be replaced with a duplex submersible station with a target capacity of 1,000 gallons per minute to improve conveyance to the treatment plant. HDCA also designed force mains to connect the station to the nearby Riverbend Oxidation Pond. <i>Role: Preliminary Design, Final Design, Bid Phase Services, Construction Phase Services</i> <i>Relevant Scope: Sewerage Lift Station Improvements, Hydraulic Calculations, Sewerage Collection System Improvements</i>	
Completion Date (Actual or Estimated):	Estimated Cost:	
2022 (E)	Entire Project: \$830,000.00(E)	Work for which Firm was Responsible: \$92,000.00 (fee)
PROJECT NO. 8		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Sewer Lift Station Rehabilitation for Nos. 240, 243, 250 & 251 City of Slidell, LA City of Slidell Department of Engineering Post Office Box 828 Slidell, LA 70459 Blaine Clancy, P.E., City Engineer 985-646-4270 bclancy@cityofslidell.org	HDCA provided engineering design services for the mechanical and electrical components of sewer lift stations 240, 243, 250 and 251 for the City of Slidell. Stations 243, 250, and 251 were rehabilitated and Station No. 240 was completely reconstructed. All of the existing stations were self-priming sewerage lift stations and were converted, or rebuilt, to be submersible-type stations. HDCA provided engineering services for the design, bidding, and construction management of all four stations. The project was successfully let and constructed with all lift stations currently in operation. <i>Role: Preliminary Design, Final Design, Bid Phase Services, Construction Phase Services</i> <i>Relevant Scope: Sewerage Lift Station Improvements, Hydraulic Calculations, Sewerage Collection System Improvements</i>	
Completion Date (Actual or Estimated):	Estimated Cost:	
2017	Entire Project: \$1,450,000.00	Work for which Firm was Responsible: \$81,000.00 (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. 9

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Rehabilitation of the Effluent Pump Station at Wastewater Treatment Plant No. 3 City of Kenner, LA</p> <p>City of Kenner Department of Public Works 1610 Rev. Richard Wilson Drive Kenner, LA 70062</p> <p>Tom Schreiner Deputy CAO Public Works and Capital Projects 504-468-7515 tschreiner@kenner.la.us</p>	<p>HDCA designed the complete rehabilitation of the Kenner WWTP No. 3 Effluent Pump Station. The project consisted of mechanical and electrical improvements to increase the station's capacity from 43.0 MGD to 60.0 MGD. Rehabilitation measures included the replacement of six existing 150 HP pumps with new 300 HP vertical turbine pumps, new valves (including Surge Relief Valves), extensive modifications to the discharge manifold (to allow the station to discharge to two force mains), new controls, new protective coatings and minor structural repairs. HDCA also conducted a hydraulic analysis of the proposed future parallel force main system. Furthermore, HDCA prepared plans and specifications for an electromagnetic condition assessment of the City's pre-stressed concrete cylinder pipe effluent pipeline. HDCA also provided construction phase services. The rehabilitation was completed in 2016 and is now operational.</p> <p><i>Role: Preliminary Design, Final Design, Bid Phase Services, Construction Phase Services, Permitting Services</i></p> <p><i>Relevant Scope: Sewerage Lift Station Improvements, Hydraulic Calculations, Sewerage Collection System Improvements</i></p>	
<div style="display: flex; justify-content: space-around;">   </div> <p style="text-align: center;"><i>Effluent Pump Station prior to Rehabilitation</i></p>		
Completion Date (Actual or Estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2016	\$4,500,000.00	\$184,000.00 (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. 10

Project Name, Location and Owner's contact information:

Nature of Firm's Responsibility:

**Improvements to the Terrace Avenue Wastewater Treatment Plant
City of Slidell, LA**

City of Slidell
Department of Engineering
Post Office Box 828
Slidell, LA 70459

Blaine Clancy, P.E., City Engineer
985-646-4270
bclancy@cityofslidell.org

HDCA is providing engineering design services to implement mechanical, structural, and process improvements at the City's existing Terrace Avenue WWTP. HDCA had previously provided the City of Slidell with a structural and mechanical assessment of the various existing facilities at the Terrace Avenue Treatment Plant. The plant has an average daily flow of approximately 4.0 MGD and a peak hydraulic capacity of 15 MGD. HDCA worked closely with the Owner to assess various plant facilities including the headworks, grit removal system, primary clarifiers, secondary clarifiers, chlorination facility, spray water system, return activated sludge pump station, waste activated pump station, and in-house station. Proposed improvements at the plant were all structural and mechanical or civil in nature. HDCA also prepared construction cost opinions and prepared an application for funding for future improvements through the EPA/LDEQ Clean Water State Revolving Loan Fund which was accepted for funding by LDEQ and EPA. The project was successfully bid and is currently under construction with HDCA providing daily resident project representation services and construction administration for the project.

Role: Preliminary Design, Final Design, Bid Phase Services, Construction Phase Services, Permitting Phase, Resident Inspection Services

Relevant Scope: Sewerage Collection System Improvements, Hydraulic Calculations



Aerial views of the pre-construction existing conditions of the City of Slidell's Terrace Avenue Wastewater Treatment Plant prior to construction.

Completion Date (Actual or Estimated):

Estimated Cost:

Entire Project:

Work for which Firm was Responsible:

2022 (E)

\$8,542,000.00

\$997,000.00 (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.

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



**LOUISIANA
ECONOMIC
DEVELOPMENT**

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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.

Since the firm's founding 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 area. HDCA has successfully completed wastewater infrastructure improvement and rehabilitation projects from inception to construction, and our level of involvement in previous projects has included assessments, preliminary design, final design services, environmental permitting, bid phase services and construction phase services. At all phases, HDCA carefully considers the Owner's interests and operational preferences resulting in a highly customized design that will meet the needs of both Jefferson Parish. HDCA's team has provided professional services for projects of a similar nature and feel confident that our engineering personnel can fully support the Owner's interests both during design and throughout construction for this important project.

HDCA has participated in sewerage collection and treatment system improvement projects for infrastructure of all ages, sizes, and configurations; and through this experience, our staff members have gained a thorough understanding of the nuances that accompany the hydraulics, biology and chemistry that must be considered with any sewerage project. 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 design team's philosophy with any water-related infrastructure project is to incorporate sound hydraulic, mechanical, and electrical design principles along with operator preferences to design a long-lasting, easily operated and maintained facility.

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.

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

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.

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
	<p>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.</p>
<p>3. Location of the principal office where work will be performed.</p>	<p>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.</p> <p>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.</p>
<p>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.</p>	<p>State of Louisiana</p> <p>HDCA, nor any firm personnel, have ever been involved in litigation with Jefferson Parish.</p>
<p>5. Prior successful completion of projects of the type and nature of routine engineering services, as defined, for which firm has provided verifiable references.</p>	<p>Over the course of the firm's 15-year existence, HDCA has provided engineering consulting services for nearly every facet of wastewater treatment. While HDCA is a full-service civil and environmental engineering firm, a particular area of expertise for our firm and professional staff is in the arena of "wet" infrastructure, with a specific focus on the construction, rehabilitation, or reconstruction of sewerage lift stations and wastewater systems throughout Louisiana.</p> <p>Our firm and professional staff have participated in the inspection, assessment, rehabilitation, or design of well over 100 lift stations for clients such as the City of Slidell, St. Bernard Parish, Terrebonne Parish, and Jefferson Parish.</p>

TEC Professional Services Questionnaire

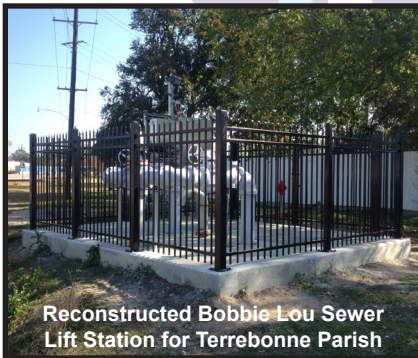
N. Use this space to provide any additional information or description of resources supporting Firm's qualifications for the proposed Project.



Rehabilitated Lift Station 19
for the City of Mandeville



Ongoing Construction at the Terrace
Avenue WWTP in Slidell



Reconstructed Bobbie Lou Sewer
Lift Station for Terrebonne Parish



Sewer Pump Station 240
for the City of Slidell



Price Brothers Force Main
repair/replacement in Jefferson Parish



L-12-3 Rehabilitation
for Jefferson Parish



Rehabilitated Sewer Lift Station
in St. Bernard Parish



LA 42/LA 73 Sewer System Improve-
ments in Ascension Parish

These stations have been of various configurations, including submersible, vertical turbine, vertical turbine solids-handling (VTSH), self-priming, grinder, chopper, and flooded suction-type pumps. The sizes of these stations have ranged from under 100 gallons per minute to a 62 million gallons per day effluent pump station for the City of Kenner.

HDCA is very familiar with all components of wastewater collection including pumping stations, force mains, bypass systems, as well as every aspect of the wastewater treatment process. The firm's breadth of engineering design experience with wastewater systems ranges from simple lift station rehabs to the complex design of large sewerage pump stations and even entire treatment plants. As a testament to our expertise, HDCA is currently providing design services to the City of Slidell for improvements to their existing Terrace Avenue Wastewater Treatment Plant, which services the entire City. HDCA authored a report detailing modifications and replacements needed at the aging facility in order to increase primary treatment capacity and longevity of the facility. Additional goals of the project included the addition of equalization basins to address system-wide inflow/infiltration issues, as well as provide for various mechanical, civil, and structural improvements to extend the services life of the facility. HDCA was selected to design the improvements set forth in the assessment, as well as provide bid and construction phase services throughout the project. The project was successfully bid and is currently under construction.

Through these broad experiences, as well as those depicted within this TEC Questionnaire, HDCA feels confident that our firm can successfully provide professional engineering services for any sewerage project assigned.

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.

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 wastewater collection and treatment 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 wastewater collection and treatment 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

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.

HDCA has significant experience with all types of sewerage systems and has previous completed wastewater projects for Jefferson Parish and other local, municipal clients. We look forward to the opportunity to continue supporting Jefferson Parish on these important infrastructure projects.

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 23, 2022





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



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

A handwritten signature in black ink, reading "Stephanie Hartman", is written over a horizontal line.

Stephanie Hartman,
Director, Entrepreneurial Services