


7. Brief résumé of key persons, specialists, and individual consultants anticipated for this project.	
a. Name & Title David A. Martin, E.I. Project Engineer	study and is responsible for preparation of preliminary and final design of a new drainage ditch to redirect drainage in the area beneath US Hwy 80 to Brushy Bayou. Based on the results of the H&H Study, HDCA is assisting the City in seeking additional funding for further improvements. Hazard Mitigation Plan Update - Louisiana Planning Pilot Grant Program (LPPGP), Tensas Parish, Louisiana. Under the Louisiana Planning Pilot Grant Program (LPPGP), H. Davis Cole & Associates, along with Bryant Hammett & Associates, LLC, is providing hazard mitigation planning services resulting in an update to the Action Plan contained within the Parish's existing Hazard Mitigation Plan. As Project Engineer, Mr. Martin developed Hazard Mitigation measures for Parish facilities and completed benefit-cost analyses for each potential project. Hazard Mitigation Plan Update - Louisiana Planning Pilot Grant Program (LPPGP), Concordia Parish, Louisiana. Under the Louisiana Planning Pilot Grant Program (LPPGP), HDCA, along with Bryant Hammett & Associates, LLC, is providing hazard mitigation planning services resulting in an update to the Action Plan contained within the Parish's existing Hazard Mitigation Plan. As Project Engineer, Mr. Martin developed Hazard Mitigation measures for Parish facilities and completed benefit-cost analyses for each potential project. St. Bernard Parish Hurricane Recovery Administration and Program Management, St. Bernard Parish, Louisiana. Mr. Martin served as a support member assisting with management and technical tasks including preparation and review of contract documents and specifications, field observation, and development of supporting documentation for uncaptured damages. Mr. Martin was involved in projects including sewer pump station rehabilitation, restoration of submerged roads, restoration of street signs, and restoration of street lights.
b. Project Assignment Engineering/Design Services	
c. Name of firm with which associated  H. DAVIS COLE & ASSOCIATES, LLC	
d. Years Experience With this Firm4 (2007) With other firms.....1 (2006)	
e. Education (Degree/Year/Specialization) B.S., 2008, Civil Engineering, Louisiana State University	
f. Active Registration (Year First Registered/Discipline) 2009, Engineer Intern, Louisiana, No. 29312	
g. Other experience & qualifications relevant to the proposed project	
<p>Mr. Martin has approximately four years design engineering and CAD drafting experience and has provided construction management and inspection services for governmental and municipal infrastructure projects including water, wastewater, stormwater, conveyance/distribution, storage, pumping, and treatment facilities. Prior to joining HDCA, Mr. Martin served two summers in oilfield cement lab performing tests and writing reports, and served for one year in the concrete lab of the Louisiana Transportation Research Center (LTRC). Also while at LTRC, Mr. Martin performed fresh concrete testing as well as permeability testing for various technical assistance projects, including permeability testing for the new twin spans and the new Audubon Bridge.</p> <p>Mr. Martin specializes in the design and construction of general municipal projects, and has participated in the design of a wide variety of general municipal infrastructure for both public, industrial, and private clients.</p> <p>HAZARD MITIGATION GRANT PROGRAMS AND FEMA HURRICANE RECOVERY AND RESTORATION PROJECTS</p> <p>City of Tallulah Drainage Redirection Project (Harlem Street Area to Brushy Bayou), City of Tallulah, Louisiana. HDCA is serving as the consulting engineer for the design of drainage improvements to the Harlem Street area of Tallulah, an area suffering from repetitive flooding. As part of this FEMA-HMGP funded project, HDCA has prepared a hydrology and hydraulics</p>	
<p>LCDBG-FUNDED PROJECTS</p> <p>Plaquemines Parish Master Plan, Plaquemines Parish, Louisiana. Services include development of a new master plan for Plaquemines Parish. The plan will include guidance related to roads (state and parish), drainage, sewerage, pump stations, utilities services, and development for the foreseeable future. HDCA is serving as a sub-consultant, providing services related to utilities and mapping. The development of this new Master Plan is funded by CDBG grants.</p> <p>St. Bernard Water Treatment Plant, St. Bernard Parish, Louisiana. Includes complete mechanical and electrical reconstruction and expansion of 12 million gallon per day (MGD) surface water treatment plant. HDCA is serving as a subcontractor to BKI and is responsible for site and drainage design. This project is funded by LCDBG Grants. Mr. Martin is developing site and drainage improvements.</p> <p>Yscloskey Ice House, St. Bernard Parish, Louisiana. HDCA will provide engineering and architectural services for the renovation/reconstruction of the old Yscloskey Ice House. Services include development of a cost opinion for renovation of the existing ice house and construction of a new ice house. The project is funded through Fisheries Improvements CDBG grants. Mr. Martin is serving as Project Manager/Engineer, responsible for civil/structural design and coordination of mechanical, electrical, and architectural design.</p>	

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Plaquemines Parish Oyster Conveyors, Plaquemines Parish, Louisiana. Services include site improvements, electrical, and structural work pertaining to the installation of oyster conveyors at four docks owned by the parish. A CDBG Grant funded project. Mr. Martin is serving as Project Engineer, providing structural design of piles and paving, and applications for coastal use permits.

DRAINAGE

Lake Cataouatche Hydraulic Study, St. Charles Parish, Louisiana. Mr. Martin prepared a report for a USACE levee contractor for a construction alternative, the use of open channel in lieu of a 54 in. pressure conduit. Mr. Martin conducted hand calculations and prepared HEC-RAS models for two alternatives.

Sewer Lift Station L12-3 Rehabilitation, Jefferson Parish, Louisiana. HDCA was recently selected to provide engineering analysis and design of rehabilitation measures and/or alternatives for flow re-routing or a new lift station for this lift station located on the west bank of Jefferson Parish. HDCA will provide preliminary design alternatives and design for the chosen alternative for this fast-track, high priority sewer lift station project.

Mechanical Bar Screen Cleaners & Platform Project, City of Slidell, Louisiana. HDCA was recently selected to perform design engineering and construction administration for the installation of automated bar screen cleaners at the City Barn Drainage Pump Station. HDCA will be responsible for the mechanical and electrical design of the cleaners, as well as foundations for the equipment and the construction of a concrete work deck. This hazard mitigation project is funded by HMGP funds.

Rehabilitation of North and South Florrisant Drainage Pump Stations, St. Bernard Parish, Louisiana. Mr. Martin prepared final design drawings and specifications for these drainage pump stations utilizing hydraulic pumps. The project also involved the construction of pump houses elevated approximately 20 feet above existing grade. The South Florrisant Drainage Pump Station has a capacity of 68 cubic feet per second and the NFDPS has a capacity of 34 cfs. The stations were also equipped with emergency generators. The total construction cost is \$3 M.

Proposed Installation of Mechanical Bar Screen Cleaners at Walker and Schexnayder Pump Stations, St. Charles Parish, Louisiana. Mr. Martin assisted in the preparation of a “conceptual -level” design report and preliminary cost estimates for the proposed installation of mechanical bar screen cleaners at the Walker and Schexnayder Pump Stations in St. Charles Parish. Construction cost was estimated at \$2 M.

City Barn Floodgate Replacement Project, City of Slidell, Louisiana. HDCA personnel are currently involved in the City of Slidell’s flood gate replacement project. The project involves the replacement of three 72-inch x 72-inch cast iron flood gates. The two-phase project consists

of a procurement phase for which HDCA prepared procurement documents and specifications. The procurement phase was successfully let and bid. HDCA personnel also prepared contract documents and specifications for the installation phase, which consists of dewatering of the site, installation of the new cast-iron slide gate assemblies, motor actuators, and installation of three phase power and control facilities to the new gate assemblies. Following this phase, Mr. Martin prepared plans and specifications for the installation of a diesel generator and platform at the site.

Larose to Golden Meadow Hurricane Protection, U.S. Army Corps of Engineers, New Orleans District, Louisiana. The SBSA Group was authorized to perform the services involved in a USACE assigned task order for a hurricane protection project, which is part of the Larose to Golden Meadow Hurricane Protection Project in LaFourche Parish. The projects of interest include the Intracoastal Floodwall & Gate Structures, South Lafourche Crawfish Farm Pump Station and Floodwall, Pump Station #4, Loop T-Wall and Sheet pile Wall, Texaco Dock Floodwall & Gate Structure, Golden Meadow Pump Station, Floodwall & Gate Structure, Pump Station #1, and Pump Station #2 and Bason’s Marina Access Road. Services include preparing an Engineering Alternatives Report (EAR) for the selected sites; performing an analysis of existing structures; developing design alternatives and preliminary cost estimates for what is required to stabilize the protection at its existing elevation as well as to the authorized levels. As Project Engineer, Mr. Martin designed civil improvements for three drainage pump stations.

Plaquemines Parish Master Plan, Plaquemines Parish, Louisiana. Services include development of a new master plan for Plaquemines Parish. The plan will include guidance related to roads (state and parish), drainage, sewerage, pump stations, utilities services, and development for the foreseeable future. HDCA is serving as a sub-consultant, providing services related to utilities and mapping. The development of this new Master Plan is funded by CDBG grants.

WASTEWATER COLLECTION AND TREATMENT

Terrebonne Parish Lift Station Rehabilitation (Bobbie Lou, Brittany, and Elysian), Terrebonne Parish, Louisiana. HDCA has been selected by Terrebonne Parish Consolidated Government (TPCG) to provide design services related to the complete reconstruction of three sewer lift stations in Houma. HDCA is preparing preliminary design report, as well as plans and specifications for the project, which includes the conversion of these self-priming stations to submersible stations. Mr. Martin is serving as Project Engineer, responsible for design of improvements and development of plans, specifications, and reports.

Rehabilitation of Sewer Lift Stations, City of Slidell, Louisiana. Mr. Martin conducted field visits, took field measurements, and assisted in the development of the preliminary design report for this project which involved the mechanical and electrical rehabilitation of eight sewer lift stations throughout the City of Slidell. Mr. Martin assisted with the development of design documents for this project, which had a construction budget of approximately \$1 M.

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FEMA Hurricane Recovery and Restoration - Sewer Pump Station Rehabilitation Package No. 11, St. Bernard Parish, Louisiana 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 constructed (\$2.2 M construction cost). Mr. Martin assisted in design and construction phase services.

Lecompte Wastewater Treatment Plant Repairs, Town of Lecompte, Louisiana. Renovation of treatment pond to include floating covers, trickling filters, and polishing reactors to meet more stringent discharge requirements. Also included Infiltration/Inflow work to reduce loads on pond. Project funded through USDA Rural Utilities Service Grants.

United Parcel Service Freight Facility Sewer Pump Station and Force Main, New Orleans, Louisiana. HDCA designed a sewer pump station and force main for UPS to convey sewage from their freight facility to the Sewer & Water Board collection system in New Orleans East. The pump station and force main allowed for the closure of a package WWTP at the facility. Mr. Martin conducted field observations and prepared plans and specifications.

TRANSPORTATION

Seventh Street Resurfacing Project, City of Slidell, Louisiana. HDCA was selected to provide engineering services for the resurfacing of Seventh Street from Gause Boulevard to Fremaux Avenue. Services include preparation of budgetary analysis for various resurfacing alternatives and preparation of plans and specifications for the selected option. HDCA has provided technical support for funding negotiations and will also provide services related to drainage improvements.

Traffic Control Device Plan, Westwego to Harvey Canal Hurricane Protection Project, Jefferson Parish, Louisiana. Mr. Martin assisted in creating schematics for temporary traffic device plan for a levee construction contractor.

STRUCTURAL

Clarifier Tank Foundation, Occidental Chemical Corporation & WesTech Engineering, Taft, Louisiana. HDCA prepared construction documents for the construction of a pile – supported, reinforced concrete foundation for a clarifier tank. Unique to this project was the re-analysis of the existing foundation. HDCA determined that the existing piles could be reused. HDCA also provided the design of new “adjusting cans” for the foundation.

Residential/Commercial Construction Code Reviews, New Orleans Metropolitan Area, Louisiana. Mr. Martin has conducted code reviews for various residential and commercial construction projects throughout the New Orleans Metropolitan area. Mr. Martin has completed structural design of timber and masonry buildings in accordance with the latest codes and loading requirements.

Hurricane Shutters for Popich Building, Plaquemines Parish, Louisiana. HDCA is currently serving as the Design Engineer for the project which involves the installation of removable storm panels at the Plaquemines Parish Government Building. Services include development of plans & specifications, development of renderlines of the installed panels, and construction administration. The project is funded through FEMA Hazard Mitigation Funding. Mr. Martin served as Project Engineer, responsible for development of plans and specifications.

SITE DESIGN

Proposed Single-Family Residential Development by Webber Realty Holdings, Kenner, Louisiana. Mr. Martin conducted drainage calculations and assisted in the preparation of preliminary design of a proposed single-family development for Webber Realty Holdings in Kenner, Louisiana. He further assisted in the preliminary design of drainage and sewerage facilities. Mr. Martin also prepared preliminary drawings for the proposed development, which contained 57 total lots. While work was not performed for the City, the project involved coordination with the City of Kenner Department of Public Works.

ENVIRONMENTAL

Phase I Environmental Site Assessments of Lafitte Scattered Sites, Edmundites, Sacred Heart, and Ujamaa Properties, New Orleans, Louisiana. Mr. Martin conducted site visits and field observations for environmental site assessments of approximately 75 sites selected for redevelopment by a joint venture consisting of the Housing Authority of New Orleans (HANO) and Providence Community Housing.