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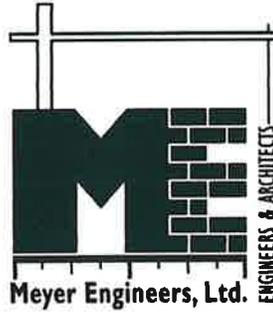
Request for Qualifications

***St. Charles Parish
2021 Disaster Related Professional
Architectural/Engineering Services
September 14, 2021***

***Meyer Engineers, Ltd.
License No. EF.0000562
4937 Hearst Street, Ste. 1B
Metairie, LA 70001
Contact: Richard C. Meyer, President
Phone: 504-885-9892
Email: rickmeyer@meyer-e-l.com***

Richard C. Meyer, P.E.
President
David H. Dupré, P.E.
Vice President

Mark A. Schutt, P.E.
Ann M. Theriot, P.E.
Eric M. Colwart, P.E.
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Christopher D. Rowan, P.E.



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James J. Papia, AIA, NCARB, CSI
Adrianna G. Eschete, LEED, AP
Don P. Mauras, RA
Raymond J. Brown, III, AIA
Jennifer M. Wickham, AIA, NCARB
Alfonso "Fonz" Romero, NCARB
Elena G. Anderson, NCIDQ, IIDA

September 14, 2021

Mr. David Ferraro
St. Charles Parish Emergency Operations Center
15026 River Road
Hahnville, LA 70057

Re: St. Charles Parish 2021 Disaster Related Professional Services Request for Qualifications
A/E Project No. 9.300

Dear Mr. Ferraro,

Enclosed is Meyer Engineers, Ltd.'s proposal for the above referenced contract. We are qualified to perform the services in the advertisement.

Meyer Engineers, Ltd. has completed Professional Engineering and Architectural Services on numerous projects throughout the State of Louisiana. We would appreciate the opportunity to work with St. Charles Parish on future projects.

Thank you for your consideration.

Sincerely,

Meyer Engineers, Ltd.

Richard C. Meyer, P.E.

/bgc

Enclosure

METAIRIE OFFICE

t | 504.885.9892 f | 504.887.5056
4937 Hearst Street, Suite 1B, Metairie, Louisiana 70001

PRAIRIEVILLE OFFICE

t | 225.677.0901
36505 Oak Plaza Ave., Suite A, Prairieville, Louisiana 70769

MAIL: P.O. Box 763 | Metairie, Louisiana 70004
E-MAIL: meyer@meyer-e-l.com

ST. CHARLES PARISH
2021 DISASTER RELATED PROFESSIONAL
ARCHITECTURAL/ENGINEERING
SERVICES
REQUEST FOR QUALIFICATIONS

SECTION 1 | GENERAL FIRM REQUIREMENTS

ST CHARLES PARISH, LOUISIANA
100 RIVER OAKS DRIVE | DESTREHAN, LA 70047

PROFESSIONAL SERVICES QUALIFICATIONS QUESTIONNAIRE

1.1 BASIC FIRM INFORMATION			
Firm	<i>Meyer Engineers, Ltd.</i>	Contact Person	<i>Richard C. Meyer, P.E.</i>
Local Address	<i>4937 Hearst Street, Ste. 1B, Metairie, LA 70001</i>	Title	<i>President</i>
Corporate Address	<i>4937 Hearst Street, Ste. 1B, Metairie, LA 70001</i>	Phone Number	<i>504-885-9892</i>
License Number	<i>EF.0000562</i>	Email Address	<i>rickmeyer@meyer-e-l.com</i>
Parish of Issue	<i>Jefferson Parish</i>		

1.2 LOCAL PERSONNEL (TOTAL NUMBER)					
Abstractors		Construction Managers	2	Permit Specialists	
Administrative	2	Electrical Engineers		Planners	
Appraisers		Engineer Interns	1	Real Estate Specialists	
Architects	5	Environmental Engineers		Specification Writers	1
Attorneys		Estimators	1	Structural Engineers	1
CADD Operators		Geotechnical Engineers		Surveyors	
Chemical Engineers		Hydrologists		Transportation Engineers	
Civil Engineers	11	Mechanical Engineers	1	Other	
Construction Inspectors	30	Paralegals		Staff Total (Local)	55

1.3 DISCIPLINES FOR WHICH FIRM IS QUALIFIED			
Appraisal Services		Permitting	
Architecture/Buildings	X	Potable Water	X
Bridge	X	Real Estate Acquisition	
Construction Management		Recreational Planning	
Drainage Conveyance	X	Roadway/Highway	X
Drainage Pump Stations	X	SCADA/Telemetry	
Electrical Services		Sewer/Wastewater	X
Environmental		Structures	X
Geotechnical		Surveying	
Hydrogeology		Testing Lab Services	
Levees	X	Traffic/Transportation Planning	X
Mechanical			

1.4 FIRM HISTORY		
In the last five years, has litigation (including arbitration and/or mitigation) arose from a project in which your firm served as Principal Engineer?	YES	
	NO	X
If yes, how many projects?		
If yes, how many of these projects involved work for St. Charles Parish?		
Please provide a brief description of each project:		
In the last ten years, have any claims been made on your Professional Engineering Liability Insurance for errors and omissions?	YES	
	NO	X
If yes, how many claims were made?		
If yes, how many claims involved work for St. Charles Parish?		
Please provide a brief description of each claim:		
Have you ever worked for St. Charles Parish before?	YES	X
	NO	
If yes, how many projects has your firm completed in the last ten years for St. Charles Parish?		4
If yes, how many projects are currently being worked on by your firm for St. Charles Parish?		2
Provide Project Name	% Complete	Contract Balance
<i>Montz Master Drainage Plan</i>	<i>100%</i>	<i>\$0</i>
<i>West Bank Sanitary Sewer Master Plan</i>	<i>100% (Ph. I)</i> <i>20% (Ph. II)</i>	<i>\$100,595</i>

ST. CHARLES PARISH
2021 DISASTER RELATED PROFESSIONAL
ARCHITECTURAL/ENGINEERING
SERVICES
REQUEST FOR QUALIFICATIONS

SECTION 2 | DISCIPLINE QUALIFICATIONS

2.1 DISCIPLINE CATEGORY

Discipline for which Firm is applying?	<i>Buildings</i>
----------------------------------------	-------------------------

2.2 SUBCONSULTANTS

Will you use Subconsultants for any Work associated with this Discipline?	YES	X
	NO	
Name of Subconsultant	Role of Subconsultant	
<i>GVA Engineering</i>	<i>Mechanical/Electrical Engineering</i>	
	<i>*Structural/Geotechnical Engineering (If Needed)</i>	

2.3 KEY PERSONNEL PARTICIPATION IN EXAMPLE PROJECTS

NAME OF KEY PERSONNEL	ROLE IN THIS PROJECT	EXAMPLE PROJECTS FROM PROJECT KEY IN 2.4				
		1	2	3	4	5
<i>James J. Papia, AIA, NCARB, CSI</i>	<i>Senior Architect</i>	X	X	X	X	X
<i>Adrianna Geron Eschette, LEED AP, AIA, NCARB</i>	<i>Architect</i>	X	X			
<i>Elena G. Anderson, NCDIQ, IIDA</i>	<i>Interior Designer</i>	X		X	X	
<i>Don P. Mauras, RA</i>	<i>Architect</i>					
<i>Raymond J. Brown, III</i>	<i>Architect</i>				X	

2.4 EXAMPLE PROJECTS KEY

No.	TITLE OF EXAMPLE PROJECT	No.	TITLE OF EXAMPLE PROJECT
1	<i>Port of South Louisiana Administration Building & Business Development Center</i>	4	<i>Val Riess Multi-Purpose Complex</i>
2	<i>St. John Sheriff's Office Indoor Range & Training Facility</i>	5	<i>Kenner Fire Station</i>
3	<i>Ree Alario Special Needs Center</i>		



2.5 RESUMES OF KEY PERSONNEL PROPOSED FOR THIS DISCIPLINE

Name	James J. Papia, AIA, NCARB, CSI				
Firm Name	Meyer Engineers, Ltd.				
Discipline	Senior Architect				
Role in Discipline	Senior Architect				
Years of Experience	Current Firm	12	Total	39	
Education (Degree and Specialization)	B.S. Architecture				
Current Professional Registration (State and Discipline)	LA #3423/Architecture				

Other Professional Qualifications (Publications, Training, Awards, etc.)

James Papia has been the Director of Architecture for Meyer Engineers for the twelve (12) years. In addition to his role as Director of Architecture, Mr. Papia has performed as Staff Architect, Project Manager, Specifications Writer, and Contract Administrator on various renovation and new construction projects. Mr. Papia's diverse background includes working for several architectural firms and having worked on a multitude of various buildings and building types. Mr. Papia's commercial building experience includes design and construction documents for City of Kenner City Hall renovations, Town of Jean Lafitte Auditorium and Multi-Purpose Facility and has specialized over the years in renovations and adaptive reuse of properties for government entities. Mr. Papia was the Resident Architect and Project Manager for the New Orleans Convention Center where he conducted the Project Management and Construction Administration for both the \$240,000,000 Phase II expansion and \$281,000,000 Phase III expansion projects. Mr. Papia was also the Director of Engineering, Design and Construction for Entergy, Inc. and was responsible for overseeing all capital projects in Entergy's four state service areas which consist of Louisiana, Texas, Arkansas and Mississippi.

Specific Experience Relative to Discipline

Westwego City Hall, City of Westwego

Mr. Papia was the Project Architect for the Westwego City Hall. The project consisted of a **new one-story building** that will primarily be a concrete slab on grade, steel frame structure, brick veneer exterior walls and the interior walls shall be metal studs with a painted, impact-resistant gypsum board finish. Spaces in the new city hall building consisted of typical City Hall functions that included the main entrance lobby, receptionist, and bill paying area, staff office areas, Mayor's office, record storage, provisions for the Louisiana State Office of Motor Vehicles, City Court Room, City Council Chambers, City Council Assembly Area and an employee kitchen.

Port of South Louisiana Administration Building & Business Development Center, St. John the Baptist Parish

Mr. Papia is the Project Architect for the **20,000 SF structure** which is unequally divided on three (3) floors. The ground floor will have some occupiable office space for security and maintenance offices; however, the majority of the ground floor will be used for parking. The second floor will be the location for most of the administrative office areas. Ancillary and support spaces such as conference rooms, lunch areas, copy rooms, filing areas, restrooms, supply rooms and storage rooms were also located on the second floor. The third floor will be the executive level where the Commissioners Meeting Room is located. The estimated construction cost is \$4.7M.

Ree Alario Special Needs Center, Jefferson Parish

Mr. Papia was the Project Architect and completed the design of the Ree Alario Special Needs Center. This **building** is located in Mike Miley Playground and will serve as a recreation and achievement center for people with development disabilities. The infrastructure included clearing, fill, drainage, utility extensions including electrical, potable water, sanitary sewerage, driveway aprons, parking, sidewalks, landscaping, etc. The building consisted of one (1) multipurpose space, a concession stand, kitchen area, activities room, port cochere, office space, ADA accessible restrooms, storage, exterior lighting, and a crafts room, exercise room, aerobics room, and future outdoor pool, locker rooms and showers. Mr. Papia coordinated with Facility Planning & Control and the State Fire Marshal. The design included architecture and structural calculations.

Val Riess Multi-Purpose Complex, St. Bernard Parish

Mr. Papia was the Project Architect who prepared a Master Plan, and design and construction administration for a 33-acre park which is the central focus of various recreation activities in St. Bernard Parish. The **46,000 SF Multi-Purpose Facility** consisting of four (4) full sized basketball/volleyball courts, meeting rooms, office space, and a full-service kitchen. The building accommodates various types of events from conference rooms, sports events, tournaments, and will also house St. Bernard Parish's Recreation Department. A 9/10-mile, 14-foot walking/bicycle/pedestrian path runs the perimeter of the park that includes French Quarter style lighting that provides an aesthetically pleasing addition to Val Riess. This path accommodates a shuttle to provide visitors with easy access to all parts of the park which includes a children's playground with shelters for park visitors. A future ¾ acre waterpark was designed that includes a lazy river, a flow rider, a 3,500 square foot building that is complete with restrooms, dressing areas, concession stand, and admission area for the park. The construction cost was \$22.7M.



2.5 RESUMES OF KEY PERSONNEL PROPOSED FOR THIS DISCIPLINE

Name	<i>Adrianna Gernon Eschete, LEED, AP, AIA, NCARB</i>				
Firm Name	<i>Meyer Engineers, Ltd.</i>				
Discipline	<i>Architect</i>				
Role in Discipline	<i>Architect</i>				
Years of Experience	Current Firm	6	Total		24
Education (Degree and Specialization)	<i>B.S. Architecture</i>				
Current Professional Registration (State and Discipline)	<i>LA #6719/Architecture</i>				

Other Professional Qualifications (Publications, Training, Awards, etc.)

Adrianna Eschete has twenty-four (24) years of experience. Ms. Eschete has prepared construction documents for new construction, renovations and/or additions for commercial offices, retail stores, shopping centers, warehouses, gymnasiums, churches, apartment complexes, military facilities, schools and numerous public buildings. She has been responsible for Conceptual Programming to Construction Administration. Her work included contracts, proposals, budgets, close out inspections and product specifications for various education, healthcare, and industrial designs as well as computer-aided drafting. Ms. Eschete is a LSUCCC Certified 3rd Party Provider (U02073) and is affiliated with Green Building Council (USGBC) LEED AP.

Specific Experience Relative to Discipline

Port of South Louisiana Administration Building and Business Center, St. John the Baptist Parish

Ms. Eschete is the Project Architect for the Port of South Louisiana Administration Building. The approximately **20,000 SF structure** will be un-equally divided on three floors. The ground floor will have some occupiable space for security and maintenance offices; however, the majority of the ground floor will be used for parking. The second floor will be the location for most of the administrative offices. Ancillary and support spaces such as conference rooms, lunch areas, copy rooms, filing areas, restrooms, supply rooms and storage rooms will also be located on the second floor. The third floor will be the executive level where the Commissioners Meeting Room will be located. The Commissioners Meeting Room will have floor to ceiling windows facing the river so that the Commissioners and the general public that are in attendance of the Commissioners Meeting can take in the panoramic views. The Port's Executive Director and their support staff shall also be located on the third floor together with all applicable ancillary spaces. The Port Commission has stated that they would like this building to be as energy efficient as possible including design parameters that would allow it to achieve a LEED Silver Certification.

St. John the Baptist Sheriff's Office Indoor Shooting Range and Training Facility, St. John the Baptist Parish

Ms. Eschete is the Project Architect for the St. John Sheriff's Office **Indoor Shooting Range and Training Facility**. She is responsible for the design, construction drawings and specifications along with coordination with the Owner and subconsultants. The project consists of two phases, Phase I of the project will consist of selective demolition of the existing bowling alley where the new facility will be constructed. Phase two of this project is the construction of a new 33,770 square feet 50-yard indoor shooting range and adjacent training facility. The indoor range will consist of 18 lanes, each 4'0" wide, and be equipped by Meggitt Systems. A stand-alone HVAC system condition the range space only. The new indoor range will be located at the front of the building and be of CMU construction. The training facility will be a connecting metal building and will include one large classroom with access to a large kitchen, one simulation room, three offices, an entry with reception area, a large transition/cleaning area from training facility to range, an armory, restrooms including showers and lockers, a utility room, covered outdoor areas and all necessary support spaces. A limited portion of the training facility will be designed for use as an emergency operations center and require generator back-up. Particular attention to security and access are being considered during the design phase.

West Jefferson Medical Center Emergency Room Renovations and Expansion, Jefferson Parish

Ms. Eschete assisted with the design on the WJMC Emergency Room Renovations and Expansion project. She was responsible for the working quality control review. The project consisted of the **renovation and expansion of 11,480 square feet** Emergency Department and Mental Health Suite located on the first floor of the hospital across from the ICU/CCU building located on Avenue D. Portion of the existing Emergency Department, Metal Health Suite, Endoscopy Suite, and associate support spaces on the first floor of the hospital shall be demolished to accommodate the new interior buildout. The project consisted of the demolition of nine existing examination/treatment rooms to make room for the interior buildout of a new Observation Suite with new observation rooms. It also consists of the relocation and expansion of the Triage area, ED Waiting Room and Mental Health Suite.

Airport Terminal Expansion Plan Reviewer, City of Kenner

Ms. Eschete is assisting the City of Kenner with reviewing the Louis Armstrong **Airport expansion projects (estimated at \$826 million)** to check for general compliance with the zoning, building and other applicable codes of the Kenner Code of Ordinances.



2.5 RESUMES OF KEY PERSONNEL PROPOSED FOR THIS DISCIPLINE

Name	<i>Elena G. Anderson, NCDIQ, IIDA</i>				
Firm Name	<i>Meyer Engineers, Ltd.</i>				
Discipline	<i>Interior Designer</i>				
Role in Discipline	<i>Interior Designer</i>				
Years of Experience	Current Firm	16	Total	16	
Education (Degree and Specialization)	<i>B.S. Interior Design</i>				
Current Professional Registration (State and Discipline)	<i>LA #1353/Interior Design</i>				
Other Professional Qualifications (Publications, Training, Awards, etc.)					
<p>Elena G. Anderson has been the Interior Designer and Project Manager for Meyer Engineers for the past sixteen (16) years. Ms. Anderson's responsibilities include client contact, probable construction costs and assisting the Architects in the design, preparation of construction documents, and specifications writing for various projects. During construction Ms. Anderson coordinates with the owner and contractor and performs site visits as required. <i>Additionally, she makes finish, color and material selections on numerous projects for Meyer Engineers for both the interior and exterior environment, completing color renderings, project perspectives and material boards during the design phase and construction. In addition to interior design Ms. Anderson specializes in understanding and implementing the ADA Accessibility Standards.</i> Ms. Anderson is a member of IIDA.</p>					
Specific Experience Relative to Discipline					
<p><u>McCormick-Zatarain's Gretna Facilities Upgrades, Jefferson Parish</u> Ms. Anderson is designing approximately 12,000 square feet of interior renovations to the existing McCormick-Zatarain's facility. These renovations are providing much needed employee amenities to the facility. The first floor build-out will consisted of main entrance with exterior ramp, men's and women's locker rooms that include change area, restrooms, 80 lockers, and showers, a gender neutral restroom with shower, changing area and lockers, breakroom to accommodate 64 employees cafeteria style or 130 employees when lecture style this area will have a separate hand wash space and separate sink for washing lunch containers, exterior windows, four (4) team rooms for plant personnel meetings, conference/ training room, four (4) offices and an open office area for cubicles.. The site work will include electrical services, additional parking spaces, and sprinkler system. This project also includes a new accessible main entrance for plant employees that is adjacent to the employee parking lot. The estimated construction cost is \$2.6 Million.</p>					
<p><u>West Jefferson Medical Center Belle Chasse Family Doctor's Clinic, Plaquemines Parish</u> Ms. Anderson was the Project Manager and Designer for the West Jefferson Medical Center Belle Chasse Family Doctor's Clinic project. Ms. Anderson developed scope of work and program with owner and project manager, direct electrical and mechanical engineers, wrote specifications and developed construction documents. The scope of work consisted of an interior build out to existing medical office space. The existing interior office space has been partially demolished. The work included space planning existing open space to meet the Owner program requirements. The existing finish slab was leveled to provide a smooth finish floor, new HVAC, and electrical services will be installed. The existing sprinkler system will be modified to function in the new spaces. The X-Ray room installation is by others, but all finishes are included in this project.</p>					
<p><u>Jefferson Parish Streets Department Administrative Office Build-Out, Jefferson Parish</u> Ms. Anderson is currently participating in the design of the J.P. Streets Dept. Administrative Office Build-Out project. The Jefferson Parish Streets department desires to relocate their Administrative Offices into the former Jefferson Parish Communications Building at 5698 Bell Terre, Marrero, LA. The department is relocating from an approximately 10,526 square feet office space into a building that is 7,396 square feet. Meyer Engineers, Ltd. was challenged with the task of verifying that the move was possible. A program study of the existing office space was performed to determine how much "extra" space the department had in their current location. The streets department requested that the new layout provide minimum standard office sizes per position and required department adjacencies. A program was developed to prove that two executive offices, five standard offices, nine small offices, nine work spaces, a large reception space, a warming pantry/ break room, copy room, two file rooms, a server room, office supply storage, a large and small conference room, a room for personnel files and a room to house janitorial supplies could fit within the existing space. The program determined that the existing functions and spaces of the streets department administration can relocate to the former communications building.</p>					
<p><u>Kenner City Hall Renovation, City of Kenner</u> Ms. Anderson completed the interior design and the preparation of the construction documents for Kenner City Hall Interior Renovations. Meyer was contracted to design improvements to the 5,000 square foot first floor of Kenner City Hall's Building B in Kenner. This floor houses the code enforcement and occupational licensing departments for the City of Kenner. Meyer Engineers, Ltd. conducted visual assessment of existing conditions for compliance with current codes enforced by the City and the State Fire Marshal's office. The existing office spaces were reworked to provide department adjacencies, ease of work floor and site lines for managerial oversight.</p>					



2.5 RESUMES OF KEY PERSONNEL PROPOSED FOR THIS DISCIPLINE

Name	Don Mauras, RA			
Firm Name	Meyer Engineers, Ltd.			
Discipline	Architect			
Role in Discipline	Architect			
Years of Experience	Current Firm	5	Total	38
Education (Degree and Specialization)	B.S. Architecture			
Current Professional Registration (State and Discipline)	LA #3759/Architecture			



Other Professional Qualifications (Publications, Training, Awards, etc.)

Mr. Mauras has thirty-eight (38) years of architectural experience. Mr. Mauras has a strong background in institutional architecture with an emphasis on building design and technical construction knowledge. While with other firms Mr. Mauras held various roles from *management of a \$100 million capital projects program, design manager, construction administrator and tenant design coordinator. Mr. Mauras also provided design services on many of the building projects.*

Specific Experience Relative to Discipline

Renovation of Indoor Firing Ranges – Louisiana National Guard Armories, Statewide

Mr. Mauras is the Project Architect on the Renovation of Indoor Firing Ranges – Louisiana National Guard Armories. The project consists of *repairs and improvements to convert firing ranges at 32 Louisiana National Guard Armories into storage space throughout Louisiana.* The National Guard upgraded their methods for weapons practice by constructing new state-of-the-art firing ranges and simulators. The firing ranges at the armories have become obsolete and unused so the firing range equipment was removed, and any traces of lead were abated and encapsulated. The National Guard has a shortage of storage space for solidier equipment. The 32 sites (Alexandria, **Baker**, Bastrop, Breaux Bridge, Bunkie, Camp Beauregard, Clarks, Colfax, Coushatta, Crowley, Delhi, Farmerville, Gonzales, Hammond, Houma, Independence, Jena, Jeaneratte, Jonesboro, Marksville, Monroe, Napoleonville, Natchitoches, New Iberia, New Roads, Oak Grove, St. Martinville, Shreveport, Slidell, Vidalia, Ville Platte and Winnsboro) will be divided into 3 phases with 10 sites in the first phase. The work will include new finishes that include suspended acoustical ceiling with new fluorescent light fixtures, gypsum board on metal framing over the existing encapsulated floors. Other improvements include wall-mounted ventilation system and wire mesh partitions to create storage compartments.

Baton Rouge Capital Area Transit System (CATS) Building Assessments, East Baton Rouge Parish

Mr. Mauras was the Project Manager for the *building assessment for five (5) buildings* located on 2250 Florida Blvd. campus. The purpose of this assessment is to document the existing conditions of the interior and exterior of the buildings and their components. Each of the building components were assigned a rating scale of 1 through 5 where a rating of 5 indicate the component a being new and a rating scale of 1 indicates components to be extremely worn or damaged and in need of replacement. Mr. Mauras performed the architectural assessments on all buildings and coordinated with the subcontractors for their assessments for the mechanical, electrical, plumbing, sprinkler protection and fire alarm systems. These assessments were entered into a facility condition assessment checklist and overall rating condition of each building was done. These assessments were then provided to the Owner.

415 Maintenance Training Bay Building, Gillis W. Long Center, Iberville Parish

Mr. Mauras was the Project Architect for this building, located at the Gillis Long 415th Maintenance Division in Carville, Louisiana in Iberville Parish, which was designed to service several diverse types of military vehicles operated by the Louisiana National Guard. This building will also be used as a facility to train new personnel the discipline of maintaining and repairing these precision machines that may one day be deployed in a military conflict. This **6,150 square foot building** included two (2) maintenance bays that military vehicles could pull in one end of the building and exit out of the other end. Other ancillary spaces in the building included a supervisor’s office, library, ADA accessible men’s and women’s restrooms, general storage room, mechanical room, and a personal protection equipment storage/locker room. Emergency showers and eye wash stations were also included in the design.

Westwego City Hall, City of Westwego

Mr. Mauras assisted with the design and construction drawings and specifications of a new city hall for the City of Westwego. The project consisted of a new **12,000 sf. one-story building** that will primarily consists of a concrete slab on grade, steel frame structure, brick veneer exterior walls and the interior walls being metal studs with a painted, impact-resistant gypsum board finish. Spaces in the new city hall building consisted of the main entrance lobby, receptionist, and bill paying area, staff office areas, Mayor’s office, record storage, provisions for the Louisiana State of Motor Vehicles, City Court Room, City Council Chambers, City Council Assembly Area and an employee kitchen.



2.5 RESUMES OF KEY PERSONNEL PROPOSED FOR THIS DISCIPLINE

Name	Raymond J. Brown, III				
Firm Name	Meyer Engineers, Ltd.				
Discipline	Architect				
Role in Discipline	Architect				
Years of Experience	Current Firm	1	Total	38	
Education (Degree and Specialization)	B.S. Architecture				
Current Professional Registration (State and Discipline)	LA #3601/Architecture				

Other Professional Qualifications (Publications, Training, Awards, etc.)

Mr. Brown brings to Meyer Engineers, Ltd. a wealth of knowledge and experience having practiced architecture for over thirty-seven (37) years. Mr. Brown’s architectural design experience with public buildings both in the public and private sectors range from Assisted Living Facilities, Hotels, Educational Facilities, Churches, Military Facilities, Banks, Hospitals and Theme parks. Mr. Brown’s was responsible for all phases of project development on public buildings such as design schematics through construction administration, building design, project team coordination, contract document production and quality control. He also provided timely document delivery through all contract phases, coordination during construction and expertise in building envelope assembly design and performance. Mr. Brown’s professional recognition consists of ***Gambit Weekly’s People Choice Award 2000 for Best Architecture for Jazzland Theme Park – New Orleans and Louisiana Contractor Magazine Award of Merit for Jazzland Theme Park.*** The American’s with Disabilities Act was Signed into Law by President George H. W. Bush on July 26, 1990 and became effective in The State of Louisiana on January 26, 1992. Being a practicing architect since 1981 (Licensed in the State of Louisiana in 1985), ***Mr. Brown has had extensive experience in incorporating the ADA Design Guidelines for over 27 years.***

Specific Experience Relative to Discipline

Parc Des Familles Visitor Center, Jefferson Parish

Mr. Brown is the Project Manager and is responsible for the design and construction drawings and specifications for the ***new visitor center*** at Par Des Familles. Mr. Brown coordinates with the Owner and subcontractors during the design phases of the project. Mr. Brown has requested topographical and geotechnical surveys for the project. Mr. Brown also coordinates with the State Fire Marshal and Jefferson Parish Code Enforcement in providing the necessary documentation for permitting.

St. Amant Recreation Center Phase II – New Construction, Ascension Parish

Mr. Brown is the Project Manager and is responsible for the design and construction drawings and specifications of ***the new recreation building*** for St. Amant Park to replace the old recreation building that was damaged in the ***historic flood August 2016*** which was demolished in Phase I. A new 10,000 sq. ft. building will be constructed in the same area as the existing building. The building will consist of a large foyer, main assembly with a built-in stage for performances, large meeting room, commercial kitchen, multi-purpose room, conference room, administration offices, storage space and men’s and women’s restrooms. Support spaces include mechanical, electrical, IT and sprinkler rooms. The exterior finish will be a combination of hi-tech horizontal metal wall panels and cement plaster with standing metal seam roof. Interior finishes include porcelain tile flooring in selected areas, carpet tiles in other areas, painted wood base throughout, painted wood wainscot and gypsum board walls on metal studs, acoustical tile ceilings, sleek stainless steel and alabaster chandlers, complimented with strategically places down lights. This project is FEMA Funded.

Lamar Dixon Expo Center Gymnasium Expansion, Ascension Parish

Mr. Brown is the Project Manager and is responsible for the design and construction drawings and specifications for the ***expansion of the Lamar Dixon Expo Center.*** Mr. Brown supplies the Owner with scope of work and the probable construction costs of the project. Mr. Brown coordinates with both the Owner and the subcontractors on the design of the project along with any necessary surveys. Mr. Brown also coordinates with the State Fire Marshal and Code Enforcement in providing the necessary documentation for permitting.

Tyler Street Development – Pediatric Medical Office, St. Tammany Parish

Mr. Brown was the Project Architect/designer for this structure. As such he provided a full range of architectural services beginning with project programing and concluding with project closeout. The construction of this ***5,500 Sq. Ft. pediatric medical office*** located in Covington, Louisiana was recently completed. This project is part of the overall development of a full city block located on one of the main thoroughfares in Covington. The project consists of a free standing, single story structure containing lobby/entrance, reception desk, two waiting areas, eight examination rooms, nurses’ station, medical treatment areas, administrative spaces, conference room, break room, private offices, restroom facilities, storage and all necessary support spaces required in a facility of this type. ***This project included strict adherence to the ADA Design Guidelines to ensure that the facility, as well as surrounding site, provided maximum accessibility for both disabled patients and employees.***



2.6 EXAMPLE PROJECTS ILLUSTRATING FIRMS QUALIFICATIONS

Firm Name	<i>Meyer Engineers, Ltd.</i>	Firm Role	<i>Prime</i>
Project Title	<i>Port of South Louisiana Administration Building & Business Development Center</i>		
Project Key Number	<i>1</i>	Project Location	<i>St. John the Baptist Parish</i>
Project Owner	<i>South Louisiana Port Commission</i>	Owner's Point of Contact	<i>Mr. Paul Aucoin</i>
Owner' Address	<i>171 Belle Terre Boulevard Laplace, LA 70069</i>	Phone Number	<i>985-652-9278</i>
		Email Address	<i>paucoin@portsl.com</i>
Services Completed	<i>2021 (EST)</i>	Professional Services Fee	<i>\$779,000</i>
Construction Completed	<i>TBD</i>	Total Construction Cost	<i>\$8.4M</i>

Brief Description of Project and Relevance to This Discipline

The Port of South Louisiana is the largest and busiest port in the Western Hemisphere. With port offices scattered throughout the three Parishes (St. James, St. John the Baptist, and St. Charles Parish) that make up the port, the nine member Board of Commissioners that manage the port decided that it was time to bring all of the administrative office together under one roof thereby eliminating much of the inefficiency port management has been experiencing for the last 20 years.



The Port of South Louisiana is the largest tonnage port in the Western Hemisphere. Located on the banks of the Mississippi River many of the administrative offices that run this gigantic port are scattered throughout the sprawling port site. In an effort to improve efficiency the port has decided to build a new structure that will consolidate all the administrative offices in to one new building. ***The new structure will be approximately 20,000 square feet un-equally divided on three floors.*** The ground floor will have some occupiable office space for security and maintenance offices; however, most of the ground floor will be used for parking.



The second floor will be the location for most of the administrative office areas. Ancillary and support spaces such as conference rooms, lunch areas, copy rooms, filing areas, restrooms, supply rooms and storage rooms will also be located on the second floor. Because the elevation of the second floor will higher than the crown of the river levee, we have designed the south wall of the building to be almost entirely glass windows so that the occupants can enjoy scenic views of the river and the port they manage. Of course, all windows will be large missile impact resistant and energy efficient. A covered balcony on the south side of the building has also been planned so that all the occupants, not just occupants with

offices on the south side of the building, can enjoy the views of the river. The balcony will be large enough to accommodate tables and chairs so that occupants can eat lunch or relish in a hot cup of coffee on a cool breezy day

The third floor will be the executive level where the Commissioners Meeting Room will be located. The Commissioners Meeting Room will have floor to ceiling windows facing the river so that the Commissioners and the general public that are in attendance of the Commissioners meeting can take in the panoramic river views. The Port's Executive Director and their support staff shall also be located on the third floor together with all applicable ancillary spaces. Because the building will be located near a bauxite plant and grain elevators special attention will have to be made regarding the exterior finish of the building's materials and the types of equipment that will be located on the exterior of the building. Special filters will also have to be incorporated into the building's mechanical equipment. The Port Commission has stated that they would like to this building to be as energy efficient as possible including design parameters that would allow it to achieve a LEED Silver Certification. The Port Commission is not necessarily interested in obtaining an actual LEED Silver Certification from the U. S. Green Building Council; however, they feel that if the building were designed to achieve such a certification, they would be satisfied with that accomplishment.



2.6 EXAMPLE PROJECTS ILLUSTRATING FIRMS QUALIFICATIONS

Firm Name	<i>Meyer Engineers, Ltd.</i>	Firm Role	<i>Prime</i>
Project Title	<i>St. John Sheriff's Office Indoor Range & Training Facility</i>		
Project Key Number	<i>2</i>	Project Location	<i>St. John the Baptist Parish</i>
Project Owner	<i>St. John the Baptist Sheriff's Office</i>	Owner's Point of Contact	<i>Chief Civil Deputy Jeffrey Clement</i>
Owner' Address	<i>P.O. Box 1600 LaPlace, LA 70069</i>	Phone Number	<i>985-652-9516</i>
		Email Address	<i>jeff.clement@stjohnsheriff.org</i>
Services Completed	<i>2019</i>	Professional Services Fee	<i>\$568,000</i>
Construction Completed	<i>07/2020</i>	Total Construction Cost	<i>\$5.5M</i>

Brief Description of Project and Relevance to This Discipline

This project consists of the selective demolition of an existing bowling alley and construction of a ***new indoor range and training facility*** in LaPlace, Louisiana. The existing property is located at 947 Cambridge Drive, LaPlace, LA 70068.

PHASE I – SELECTIVE DEMOLITION

Phase I of this project consisted of selective demolition of an existing 1980's bowling alley originally to be used as the shooting range and training facility for St. John the Baptist Parish Sheriff's Office. The existing building was in poor condition and unable to house the intended future shooting range and training facility. Much of the building was demolished with the exception of three structural bays of the existing metal building portion of the existing building along with the associated slab below. There were three major servitudes (Entergy transmission & distribution and a Shell gas pipe) which cross through the site creating a very restricted area for demolition crews to work. A small portion of the building was within the 100' transmission servitude. Special permission was obtained from both Entergy Departments and Shell to allow for demolition work equipment with each servitude as well as additional permission to perform demolition work within the transmission servitude.



PHASE II – DESIGN

Phase II of this project will be the ***construction of a new 50-yard indoor range and adjacent training facility***. The indoor range will consist of 18 lanes, each 4'-0" wide, and be equipped by Meggitt Systems. HVAC will be a stand-alone system conditioning the range space only. The new indoor range will be located at the front of the building and be of CMU construction. An overhead door will be included to allow for vehicular access on both sides of the range.



The ***training facility*** will be located behind the indoor range and utilize the salvaged metal building slab and structural members. The training facility will ***include one large classroom with access to a large kitchen, one simulation room, three offices, an entry with reception area, a large transition/cleaning area from training facility to range, an armory, restrooms including showers and lockers, a utility room, covered outdoor areas and all necessary support spaces***. The kitchen and utility room are to include commercial equipment. The building should be designed to allow for future expansion. A limited portion of the training facility will be designed for use as emergency operations center and require generator back-up. Attention to security and access will be necessary.



2.6 EXAMPLE PROJECTS ILLUSTRATING FIRMS QUALIFICATIONS

Firm Name	<i>Meyer Engineers, Ltd.</i>	Firm Role	<i>Prime</i>
Project Title	<i>Ree Alario Special Needs Center</i>		
Project Key Number	<i>3</i>	Project Location	<i>Jefferson Parish</i>
Project Owner	<i>Jefferson Parish Recreation Department</i>	Owner's Point of Contact	<i>Mr. Leo Webb</i>
Owner's Address	<i>6921 Saints Drive Metairie, LA 70003</i>	Phone Number	<i>504-736-6999</i>
		Email Address	<i>lwebb@jeffparish.net</i>
Services Completed	<i>2016</i>	Professional Services Fee	<i>\$339,000</i>
Construction Completed	<i>2016</i>	Total Construction Cost	<i>\$4.6M</i>

Brief Description of Project and Relevance to This Discipline



The purpose of this project was for the construction of a ***new 18,300 square foot Multipurpose Building*** for Jefferson Parish specifically designed and built as a recreational center for children and adults that have developmental disabilities such as Down syndrome. It was imperative that all aspects of the building be accessible to the physical and mentally handicapped.

This center, that is aimed at giving special needs adults and children access to more leisure activities, is named for Alba "Ree" Williamson Alario, the late wife of state Senator John Alario. The landscaped infrastructure or site work for this building includes a concrete parking lot that substantially exceeds the minimum handicapped parking requirements and a porte-cochere for dropping off visitors. The parking lot included paved entrances and sidewalks to the public right-of-way.

The building was designed to have a main assembly area with portable bleachers to accommodate spectators. The main assembly area was designed to act as a full-size gymnasium with one main basketball court or two side basketball courts. The main assembly area accommodates one main volleyball court or two full size side volleyball courts. The facility also has three smaller break-out meeting rooms for specialized activities, a kitchen and an administrative area. The building was intentionally designed with more than ample toilet rooms spaced throughout the structure. All floors, especially the toilet rooms, have special antimicrobial finishes that are scrubbable.

The building was designed to accommodate a "Field of Dreams", a future Multipurpose Sports Field, on the west side of the building. Visitors that cannot participate in physical activities will be able to view the events on the Field of Dreams from a Covered Patio Area, which will be directly serviced by the full-scale Concession Stand on the northwest corner of the building. The building is a custom designed steel frame structure with brick veneer exterior walls and large missile impact resistant windows. A standing metal seam roof covers the entire structure. The walls in the interior of the building were built with Concrete Masonry Units (CMU) that have chamfered edges so that no sharp surfaces are exposed. The building was designed to accommodate a portable emergency generator with a manual transfer switch so that the building can act as an emergency operations center or distribution center in the event of a natural disaster.



2.6 EXAMPLE PROJECTS ILLUSTRATING FIRMS QUALIFICATIONS

Firm Name	<i>Meyer Engineers, Ltd.</i>	Firm Role	<i>Prime</i>
Project Title	<i>Val Riess Multi-Purpose Complex</i>		
Project Key Number	<i>4</i>	Project Location	<i>St. Bernard Parish</i>
Project Owner	<i>St. Bernard Parish</i>	Owner's Point of Contact	<i>Mr. Craig DeHarde</i>
Owner's Address	<i>8201 W. Judge Perez Drive Chalmette, LA 70043</i>	Phone Number	<i>504-278-4296</i>
		Email Address	<i>cdeharde@sbgp.net</i>
Services Completed	<i>2007</i>	Professional Services Fee	<i>\$700,000</i>
Construction Completed	<i>2011</i>	Total Construction Cost	<i>\$22.7M</i>

Brief Description of Project and Relevance to This Discipline

As part of rebuilding the recreation infrastructure in St. Bernard Parish after Hurricane Katrina, Meyer Engineers, Ltd. prepared a ***master plan***, design and construction administration for a ***33-acre park*** which will be the central focus for various recreational activities in St. Bernard Parish.

A ***46,000 square foot Multi Purpose Facility*** is centrally located in direct view of the main entrance. The multi purpose facility consisted of four (4) full sized basketball/volleyball courts, meeting rooms, office space, and a full service kitchen. The building accommodates various types of events from conference rooms, sports events, tournaments, and also house St. Bernard Parish's Recreation Department.



A ***9/10 of a mile, 14 foot walking/bicycle/shuttle path*** runs the perimeter of the park that includes French Quarter style lighting that provides an aesthetically pleasing addition to Val Riess. The path accommodates a shuttle to provide visitors with an easy access to all parts of the park which includes a ***children's playground*** with shelters for park visitors. To accommodate the visitors to Val Riess, a circulation road was designed to connect the main entrance/exit to the secondary entrance/exit with multiple parking lots in between.



As another compliment to Val Riess, a future ***3/4 acre waterpark*** was designed that includes a ***lazy river, a flowrider, and a 3,500 square foot building that is complete with restrooms, dressing area, concession stand, and admission area*** for the park. The waterpark will provide a cool getaway for tournament goers.



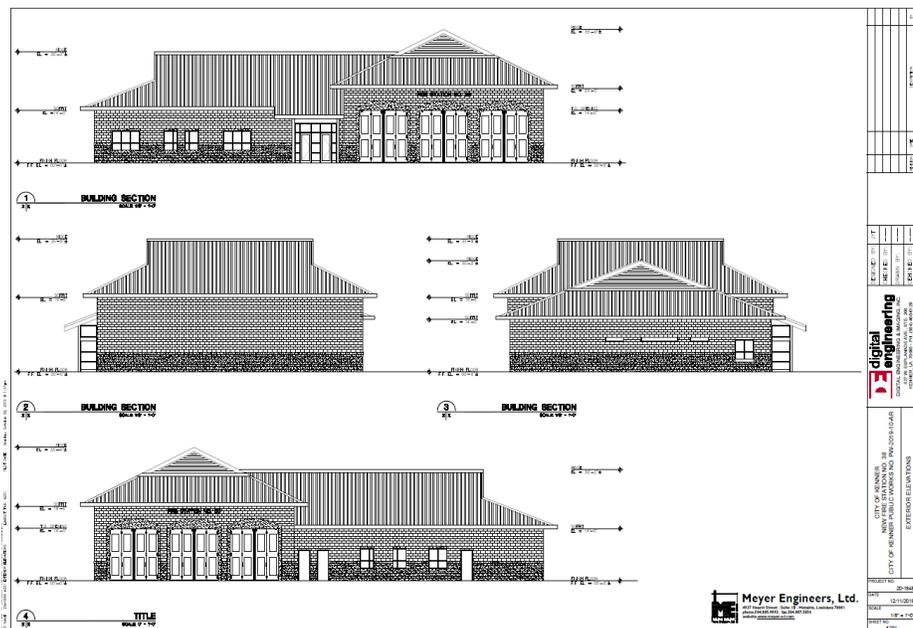
2.6 EXAMPLE PROJECTS ILLUSTRATING FIRMS QUALIFICATIONS

Firm Name	<i>Meyer Engineers, Ltd.</i>	Firm Role	<i>Prime</i>
Project Title	<i>Kenner Fire Station</i>		
Project Key Number	<i>5</i>	Project Location	<i>City of Kenner</i>
Project Owner	<i>City of Kenner Public Works Department</i>	Owner's Point of Contact	<i>Mr. Tom Schreiner</i>
Owner's Address	<i>1610 Reverend Richard Wilson Drive Kenner, LA 70062</i>	Phone Number	<i>504-468-7575</i>
		Email Address	<i>tschreiner@kenner.la.us</i>
Services Completed	<i>2021 (EST)</i>	Professional Services Fee	<i>\$159,000</i>
Construction Completed	<i>TBD</i>	Total Construction Cost	<i>\$3.3M</i>

Brief Description of Project and Relevance to This Discipline

Hey, City of Kenner, we need to build a roadway to get to our new billion-dollar airport terminal building, but your Fire Station is in the way, would you mind moving it, please?

It wasn't quite that bad, but almost. Fire Station #38 for the City of Kenner (Kenner) sat right in the way of the new access road to the new, New Orleans airport terminal building. Therefore, the existing fire station had to be demolished even before construction of the new fire station could begin. As a result, Meyer Engineers assisted Kenner in finding a temporary location for the existing fire station while the new fire station was being designed.



While searching for a temporary location, Meyer was developing a program and schematic design for the new fire station. **The new fire station will be one level and will be approximately 10,000 square feet.**

The apparatus area of the new fire station will house three (3) 48-foot-long fire trucks. The apparatus area will be designed so that the fire trucks can pull into one end of the building and exit out the other end. In addition to the three fire trucks, the apparatus area will include parking for other fire emergency vehicles and will house the gear locker room, utility room for washer, dryer, ice machine, two (2) utility sinks, air tank fill storage room, and sprinkler closet. Trench drains will be provided in the apparatus area and will be routed through an oil and water separator prior to entering into the city sewerage system. Hose bibs will be provided throughout the apparatus area located close to the fire trucks. Ceiling mounted exhaust removal system will provide ventilation of the apparatus area. Instead of overhead doors, large, 14-foot-wide bi-fold doors on the front and back of the apparatus area will be used to allow access and egress for the fire trucks. Due to the poor soils in Kenner, a substantial foundation system had to be designed to support the heavy fire trucks that will be filled with 400 to 500 gallons of water.

The living quarters will include the day room, kitchen, one (1) female and one (1) male toilet / shower room, one (1) unisex restroom with a water closet and lavatory (adjacent to the apparatus room), one (1) communication / radio room, sleeping area with bunks, one (1) captain's office, locker room, storage rooms and janitor's closet. The day room will also serve as a training room. The new fire station will be a pre-manufactured building with split faced CMU veneer exterior walls. Interior walls will be metal studs with a painted gypsum board finish in the living quarters. The roof will be standing seam metal. The building will have a continuous run emergency natural gas generator on an elevated platform. Perimeter fencing will surround the site.



Meyer Engineers, Ltd.
Engineers & Architects

2.1 DISCIPLINE CATEGORY

Discipline for which Firm is applying?	<i>Bridge</i>
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2.2 SUBCONSULTANTS

Will you use Subconsultants for any Work associated with this Discipline?	YES	X
	NO	
Name of Subconsultant	Role of Subconsultant	
<i>The Beta Group</i>	<i>Geotechnical Engineering</i>	

2.3 KEY PERSONNEL PARTICIPATION IN EXAMPLE PROJECTS

NAME OF KEY PERSONNEL	ROLE IN THIS PROJECT	EXAMPLE PROJECTS FROM PROJECT KEY IN 2.4				
		1	2	3	4	5
<i>Jitendra C. Shah, P.E.</i>	<i>Structural Engineer</i>	X	X	X	X	
<i>Eric Colwart, P.E.</i>	<i>Civil Engineer</i>	X				
<i>Mark A. Schutt, P.E.</i>	<i>Structural Engineer</i>	X		X		

2.4 EXAMPLE PROJECTS KEY

No.	TITLE OF EXAMPLE PROJECT	No.	TITLE OF EXAMPLE PROJECT
1	<i>Mid-Barataria Sediment Diversion – BA-153</i>	4	<i>Highway 3137 Bridge</i>
2	<i>Filmore Avenue Canal Bridge</i>	5	
3	<i>Harvey Boulevard (Wall Boulevard to Engineers Road) (LA 3017)</i>		



2.5 RESUMES OF KEY PERSONNEL PROPOSED FOR THIS DISCIPLINE

Name	<i>Jitendra C. Shah, P.E.</i>				
Firm Name	<i>Meyer Engineers, Ltd.</i>				
Discipline	<i>Civil Engineer</i>				
Role in Discipline	<i>Structural Engineer</i>				
Years of Experience	Current Firm	36	Total		47
Education (Degree and Specialization)	<i>B.S. Civil Engineering</i>				
Current Professional Registration (State and Discipline)	<i>PE/LA #19551/Civil Engineering</i>				

Other Professional Qualifications (Publications, Training, Awards, etc.)

Jitendra C. Shah will perform Bridge and Roadway Design on this project. Mr. Shah is involved with all aspects of administering engineering projects for Meyer Engineers, Ltd. These aspects include client contact, cost estimates, *design*, quality control, construction administration, and contract closeout, preparation of reports and plans and specifications. Mr. Shah participates in most facets of Civil Engineering design including structural, sanitary and storm sewerage, water, sidewalks, drainage, *roads and bridges*, and airport designs. Mr. Shah is knowledgeable of the DOTD's "Roadway Design Procedures and Details", "Design Guidelines", "Hydraulics Manual", "Testing Procedures Manual", and "Materials Sampling Manual". Mr. Shah has completed the FHWA and DOTD sponsored course on Stream Stability and Scour at Highway Bridges. He is an Associate Member of the Institute of Transportation Engineers, and a member of the American Society of Civil Engineers and the Louisiana Engineering Society.

Specific Experience Relative to Discipline

Mid-Barataria Sediment Diversion – BA – 153, Plaquemines Parish

Mr. Shah was the Project Manager for the Mid-Barataria Sediment Diversion – BA – 153 *bridge*. A portion of the project consists of an **85' wide concrete bridge** that will span 2,500' long, including *approach slabs* and the spanning of the 300' wide channel. The *arched bridge* will maintain a **25' clearance above the proposed water surface elevation** of the channel. *Bridge design* includes concrete deck, barriers, and girders, battered and plumb pile bents with cylindrical concrete piles, and concrete pile caps.

State Project No. 576-26-0007: Highway 3137 Bridge, Plaquemines Parish

Mr. Shah was the Project Manager for the Design, and Construction Engineering and Inspection services for the Highway 3137 (Pump Station No. 3) *Bridge*. The work included a **250-foot girder span bridge** on Engineers Road (Highway 3137) in anticipation of Pump Station No. 3 (Whitney Barataria Pump Station). Also included was utility relocations, intake canal, *detour road* and coordination of utility adjustments for Pump Station No. 3. The *bridge* consisted of **70-foot pre-stressed type III concrete girder span bridges** with associated sheeting, *approach slabs*, and guardrails. A separate girder span bridge was constructed for the utility crossings. All closeout submittals and forms and record drawings were accepted by the DOTD. Tasks included development of the conceptual layout and plans for the bridge, preparation of plans and specifications, and complete design services for a drainage pump station and earthen intake canal, all in accordance with DOTD and USACE requirements. Work also included coordination of the purchase of property, deed close out submittals, and Record Drawings. The construction cost was \$3.5 Million.

State Project No. H.010184: LA 59: Curve Realign and Tunnel at Trace, St. Tammany Parish

Mr. Shah provide Quality Assurance/Quality Control for LA 59: Curve Realign and *Tunnel* at Trace project. Improvements included flattening the radius of LA 59 at the existing dangerous "S" curve as the road crosses the trace, and construction of a *pedestrian tunnel* under LA 59. Work included a **new roadway section** as well as widening an existing section of LA 59. Other *road improvements* included drainage improvements, utility relocations, and **raising the grade of the road two feet over the tunnel**. The estimated construction cost is \$3.6 Million.

Dwyer Road Intake Canal, Orleans Parish

Mr. Shah was the Project Manager for the **\$50 Million** Dwyer Road Intake Canal project in Orleans Parish under the SELA Flood Control Program, which included structural, civil, hydraulic, geotechnical and environmental engineering design services. The scope of work included the design of a **7,000-foot-long, 12-foot x 10-foot reinforced concrete box culvert** along Dwyer Road from the Dwyer Road Pump Station to the St. Charles Canal. The project also included relocating a sewer force main, electrical distribution line and an adjustment to water, sewer, gas and telephone lines in conflict.

Filmore Avenue Canal Bridge, Orleans Parish

Mr. Shah was the Project Manager for the design and engineering during construction for the Filmore Avenue Bridge over the London Avenue Canal. This provided **flood protection** on the London Avenue Canal in accordance with U.S. Army Corps of Engineers High Level Plan for Lake Pontchartrain. The flood protection system designed **sealed bridges with high parapet walls** in order to protect properties against water surface elevation caused by a standard projected hurricane. The bridge system withstood the storm surge from Hurricane Katrina. The **140' long bridge** include partial girder span and partial slab spans. The design included pile length calculations, scour analysis, a sheet pile wall and bulkhead. The construction cost was \$2.3 Million.



2.5 RESUMES OF KEY PERSONNEL PROPOSED FOR THIS DISCIPLINE

Name	<i>Eric Colwart, P.E.</i>				
Firm Name	<i>Meyer Engineers, Ltd.</i>				
Discipline	<i>Civil Engineer</i>				
Role in Discipline	<i>Civil Engineer</i>				
Years of Experience	Current Firm	<i>14</i>	Total	<i>14</i>	
Education (Degree and Specialization)	<i>B.S. Civil Engineering</i>				
Current Professional Registration (State and Discipline)	<i>PE/LA #36290/Civil Engineering</i>				
Other Professional Qualifications (Publications, Training, Awards, etc.)					
<p>Eric Colwart will assist in Civil Engineering design for this project. His experience includes client contact, cost estimates, design, construction administration, preparation of reports, plans and specifications. This also includes plan/profile sheets, preparation of as-builts and record drawings, updating facility plans and CADD details. Mr. Colwart has designed projects in accordance with DOTD’s “Roadway Design Manual”, “Complete Streets Manual”, “Hydraulics Manual”, “Bridge Manual”, AASHTO’s “Green Book”, and the “Louisiana Standards and Specifications for Roads and Bridges”.</p>					
Specific Experience Relative to Discipline					
<p><u>State Project No. H.007272: Howard Avenue Extension (Loyola Avenue – LaSalle Street), Orleans Parish</u> Mr. Colwart is the assistant Project Engineer for the design and drafting of the Howard Avenue Extension (Loyola Avenue – LaSalle Street). The project consists of a 1,600’ concrete roadway and subsurface drainage. The two-lane curbed roadway includes turn lane. Other items include base course, 7’ wide sidewalks, ADA compliant ramps, striping, traffic signals and street lighting. The work also includes right-of-way acquisition. The estimated construction cost is \$3.2 Million.</p>					
<p><u>Mid-Barataria Sediment Diversion – BA – 153, Plaquemines Parish</u> Mr. Colwart is the assistant Project Engineer for the design of the Mid-Barataria Sediment Diversion – BA – 153 bridge. A portion of the project consists of an 85’ wide concrete bridge that will span 2,500’ long, including approach slabs and the spanning of the 300’ wide channel. The arched bridge will maintain a 25’ clearance above the proposed water surface elevation of the channel. Bridge design includes concrete deck, barriers, and girders, battered and plumb pile bents with cylindrical concrete piles, and concrete pile caps.</p>					
<p><u>S. Galvez Street (Toledano Street to Martin Luther King Boulevard, Orleans Parish)</u> Mr. Colwart is the assistant Project Engineer for the reconstruction of S. Galvez from Toledano Street to Martin Luther King Boulevard (approximately 1,800 feet). The construction of the concrete roadway includes two 12-foot-wide traveling lanes and 8’ parking lane in each direction separated by a median. Additional features included curbs, new traffic signals, subsurface drainage, water line, sewer line, and street lighting replacement. The construction cost was \$5.5 Million.</p>					
<p><u>State Project No. H.010184: LA 59: Curve Realign and Tunnel at Trace, St. Tammany Parish</u> Mr. Colwart is assisting with the design for the LA 59: Curve Realign and Tunnel at Trace project. Improvements include flattening the radius of LA 59 at the existing dangerous “S” curve as the road crosses the trace, and construction of a pedestrian tunnel under LA 59. Work included a new roadway section as well as widening an existing section of LA 59. Other road improvements include drainage improvements, utility relocations, and raising the grade of the road two feet under the tunnel. Mr. Colwart is assisting in coordinating with several different departments with DOTD including District 62, Road Design Highway Safety Improvement Program (HSIP), Transportation Alternatives Program, Bridge Design (Lighting), and property acquisitions. The estimated construction cost is \$3.6 Million.</p>					
<p><u>Treme-Lafitte Neighborhood Infrastructure Rehabilitation, Orleans Parish</u> Mr. Colwart is the assistant Project Engineer the design for the infrastructure rehabilitation project of the Treme-Lafitte Neighborhood. The Treme-Lafitte neighborhood consists of about 200 blocks in the City of New Orleans, bound by Esplanade Avenue, St. Louis Street, N. Broad Street, and N. Rampart Street. The infrastructure rehabilitation project consists of the repair or complete replacement of roadway pavement, curbs, sidewalks, and driveways damaged by Hurricane Katrina. The estimated construction cost is \$5.8 Million.</p>					
<p><u>State Project No. 704-92-0039: LA DOTD Submerged Roads Program, Orleans and St. Bernard Parishes</u> Mr. Colwart was the assistant Project Engineer for the retainer contract which included ten (10) different Task Orders for five (5) separate bid packages. The project was for the permanent repair to Federal aid eligible roads as a result of damage due to Hurricane Katrina. The work included base repair, asphalt and concrete patching, mill, asphalt overlay, concrete road, concrete curbs, granite curbs, driveways, sidewalks, handicap ramps, drain line repairs and catch basin repairs. The construction estimate of all Task Orders was \$62 Million.</p>					



2.5 RESUMES OF KEY PERSONNEL PROPOSED FOR THIS DISCIPLINE

Name	Mark A. Schutt, P.E.				
Firm Name	Meyer Engineers, Ltd.				
Discipline	Civil Engineer				
Role in Discipline	Structural Engineer				
Years of Experience	Current Firm	21	Total		23
Education (Degree and Specialization)	M.S. Civil Engineering B.S. Civil Engineering				
Current Professional Registration (State and Discipline)	PE/LA #30528/Civil Engineering				

Other Professional Qualifications (Publications, Training, Awards, etc.)

Mark A. Schutt’s experience includes client contact, cost estimates, design, construction administration, preparation of reports, plans and specifications. While with other firms, Mark A. Schutt conducted extensive research on pile-supported approach slabs. Mr. Schutt has designed projects in accordance with DOTD’s “Roadway Design Manual”, “Hydraulics Manual”, “Bridge Manual”, AASHTO’s “Green Book”, and the “Louisiana Standards and Specifications for Roads and Bridges”. Mr. Schutt is a member of the Louisiana Engineering Society, the American Society of Civil Engineers, and the National Society of Professional Engineers. Mr. Schutt attended DOTD’s Designing Pedestrian Facilities for Accessibility, CADconform, and Control CAD Indexer Seminars. Mr. Schutt has completed Local Public Agency Qualification for Core Training; Construction Engineering & Inspection; Project Planning; Feasibility & Application Development Workshop; and Project Design and Delivery Training. He completed LTAP’s Local Road Safety Program Crash Data Workshop II. He is certified in Traffic Control Supervisor and is a registered Flagger.

Specific Experience Relative to Discipline

State Project No. H.010184: LA 59: Curve Realign and Tunnel at Trace, St. Tammany Parish

Mr. Schutt is the Lead Project Engineer designing the *road*, geometry, and drainage for LA 59: Curve Realign and Tunnel at Trace project. Improvements include **flattening the radius of LA 59 at the existing dangerous “S” curve** as the road crosses the trace, and construction of a **pedestrian tunnel under LA 59**. Work includes a **new roadway** section as well as widening an existing section of LA 59. Other **road improvements** include drainage improvements, utility relocations, and **raising the grade of the road two feet over the tunnel**. The estimated construction cost is \$3.6 Million.

State Project No. H.011855: West Causeway Approach Pathway, St. Tammany Parish

Mr. Schutt is the Lead Project Engineer for the West Causeway Approach Pathway in Mandeville. The project includes 6,600’ of 10’ wide asphalt **bicycle-pedestrian path** along West Causeway Approach. The project includes new drainage culverts, culvert extensions, driveway replacements, signage, and striping. Mr. Schutt is coordinating with the Regional Planning Commission, City of Mandeville, DNR, USACE and DOTD. The estimated construction cost is \$803,000.

State Project No. H.009770: St. John Mississippi River Trail – Phase I-IV, St. John the Baptist Parish

Mr. Schutt is the Lead Project Engineer on **all four (4) phases** of this project. A 10’ wide **asphalt trail** on the Mississippi River Levee from the St. Charles Parish line to the St. James Parish line. The work also includes drainage, a **ramp**, a **pedestrian crossing** on River Road, signage and striping. Construction costs of all four (4) phases is \$7.2 Million.

State Project No. 742-26-0044: Harvey Boulevard (Wall Boulevard to Engineers Road), Jefferson and Plaquemines Parishes

Mr. Schutt assisted with design of roads, geometry and drainage for preliminary and final plans and construction support services for Harvey Boulevard from Wall Boulevard to Engineers Road (approximately 4,800 LF), located in Jefferson Parish and Plaquemines Parish. The new asphaltic concrete **roadway** includes of **four (4) 12’ lanes**, concrete curbs, new traffic signals and subsurface drainage. The project also included **two (2) 250-foot long girder span bridges**, drainage outfalls, backfilling a major canal, and bulkheading around an existing 30-inch gas line. The work also included a **180’ long pile supported approach slab** over a backfilled canal to **avoid future settlement problems**. The construction cost was \$8.9 Million.

State Project No. H.011310: Ford Street Extension, East Baton Rouge Parish

Mr. Schutt is the Lead Project Engineer for the Ford Street Extension in East Baton Rouge Parish. The project will **extend 2,700’ from LA 67 (Plank Road) to Howell Place Boulevard**. The **extension** will consist of a **concrete roadway** with 2-11’ lanes, 30’ wide raised median, subsurface drainage and sidewalks on both sides. Water and sewer design are also included. The estimated construction cost is \$3.5 Million.



2.6 EXAMPLE PROJECTS ILLUSTRATING FIRMS QUALIFICATIONS

Firm Name	<i>Meyer Engineers, Ltd.</i>	Firm Role	<i>Prime</i>
Project Title	<i>Filmore Avenue Canal Bridge</i>		
Project Key Number	<i>2</i>	Project Location	<i>Orleans Parish</i>
Project Owner	<i>City of New Orleans</i>	Owner's Point of Contact	<i>Mr. Nguyen Phan</i>
Owner' Address	<i>1300 Perdido Street New Orleans, LA 70112</i>	Phone Number	<i>504-658-8001</i>
		Email Address	<i>ndphan@cityofno.com</i>
Services Completed	<i>2006</i>	Professional Services Fee	<i>\$300,000</i>
Construction Completed	<i>2007</i>	Total Construction Cost	<i>\$2.3M</i>

Brief Description of Project and Relevance to This Discipline

Meyer Engineers, Ltd. designed and performed engineering during construction for *Filmore Avenue Bridge* over the London Avenue Canal.

This provided flood protection on the London Avenue Canal in accordance with the U.S. Army Corps of Engineers High Level Plan for Lake Pontchartrain. The *flood protection system designed sealed bridges* with high parapet walls in order to protect properties against water surface elevation caused by a standard projected hurricane. The *bridge system withstood the storm surge from Hurricane Katrina*.

The *140' long bridge included partial girder span and partial slab spans*. The design included *pile length calculations, scour analysis, a sheet pile wall* and bulkhead.



2.6 EXAMPLE PROJECTS ILLUSTRATING FIRMS QUALIFICATIONS

Firm Name	<i>Meyer Engineers, Ltd.</i>	Firm Role	<i>Prime</i>
Project Title	<i>Harvey Boulevard (Wall Boulevard to Engineers Road) (LA 3017)</i>		
Project Key Number	3	Project Location	<i>Jefferson & Plaquemines Parishes</i>
Project Owner	<i>Department of Transportation and Development</i>	Owner's Point of Contact	<i>Ms. Laura Riggs</i>
Owner' Address	<i>P.O. Box 94245 Baton Rouge, LA 70804</i>	Phone Number	<i>225-379-1325</i>
		Email Address	<i>Laura.Riggs@LA.GOV</i>
Services Completed	<i>2011</i>	Professional Services Fee	<i>\$860,000</i>
Construction Completed	<i>2012</i>	Total Construction Cost	<i>\$1B</i>

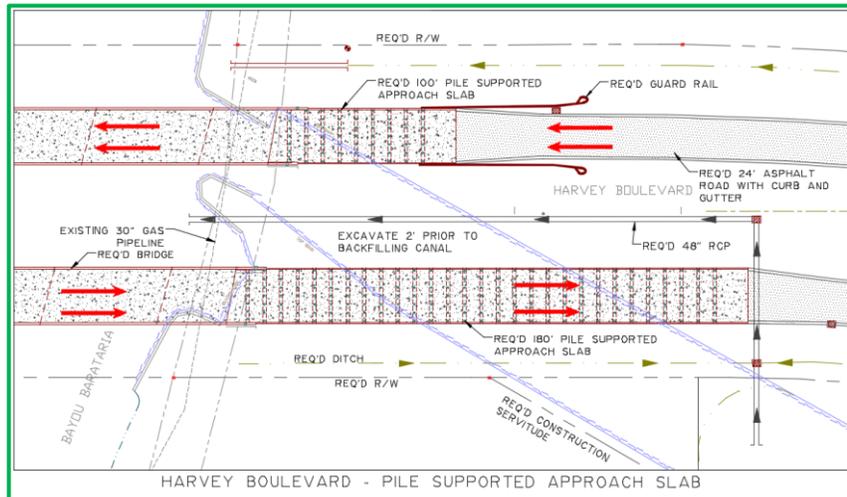
Brief Description of Project and Relevance to This Discipline

Meyer Engineers, Ltd. completed the Preliminary Plans, Final Plans, and Construction Support for ***Harvey Boulevard*** (Wall Boulevard to Engineers Road (LA3017)). Constructed of asphalt, this new ***4,800' long roadway*** included ***four 12-foot-wide travel lanes separated by a 60-foot-wide median***. Additional features included curbs, turn lanes, traffic signals, streetlights,



subsurface drainage, drainage outfalls and backfilling a major canal. Also included were ***two (2) 250-foot-long girder span bridges*** constructed across Bayou Fatma. Meyer completed ***pile length calculations*** and scour analysis. The project included the addition of a right and left turn lane on LA 3017 (Engineers Road) at its intersection with the new Harvey Boulevard. This concrete road was widened, and subsurface drainage was added.

Meyer developed right-of-way requirements and coordinated right-of-way maps, real estate appraisals, and right-of-way acquisition. In addition, Meyer developed cost estimates for the project and coordinated with many agencies including the Jefferson Parish Engineering Department, DOTD, FHWA, USACE and United States Coast Guard. Meyer also developed a Joint Use Agreement between Plaquemines Parish and Jefferson Parish. Prior to plan development, Meyer conducted an Environmental Assessment for this road, which included several options. Meyer created and presented exhibits at several public meetings.



Prior to plan development, Meyer conducted an Environmental Assessment for this road, which included several options. Meyer created and presented exhibits at several public meetings.

A design challenge included constructing the proposed road, near the bridge, over a large canal. Meyer resolved this issue by designing a ***180' long pile supported approach slab*** to avoid future settlement problems. The construction cost was \$9.3 Million.



Meyer Engineers, Ltd.
Engineers & Architects

2.6 EXAMPLE PROJECTS ILLUSTRATING FIRMS QUALIFICATIONS

Firm Name	<i>Meyer Engineers, Ltd.</i>	Firm Role	<i>Prime</i>
Project Title	<i>S.P. No. 576-26-0007: Highway 3137 Bridge</i>		
Project Key Number	<i>4</i>	Project Location	<i>Plaquemines Parish</i>
Project Owner	<i>Department of Transportation and Development</i>	Owner's Point of Contact	<i>Mr. Ray Mumphry</i>
Owner' Address	<i>P.O. Box 94245 Baton Rouge, LA 70804</i>	Phone Number	<i>225-379-1067</i>
		Email Address	<i>Ray.Mumphry@LA.GOV</i>
Services Completed	<i>2000</i>	Professional Services Fee	<i>\$380,000</i>
Construction Completed	<i>2001</i>	Total Construction Cost	<i>\$2.3M</i>

Brief Description of Project and Relevance to This Discipline

Meyer Engineers, Ltd. completed the ***Design, and Construction Engineering and Inspection*** services for the ***Highway 3137 (Pump Station No. 3) Bridge***. The work included a ***250-foot girder span bridge*** on Engineers Road (Highway 3137) in anticipation of Pump Station No. 3 (Whitney Barataria Drainage Pump Station). Also included were ***approach slabs***, utility relocations, intake canal, detour road and coordination of utility adjustments for Pump Station No. 3. The ***bridge*** consisted of ***70-foot pre-stressed type III concrete girder span bridges*** with associated sheeting, ***approach slabs***, and guardrails. A ***separate girder span bridge*** was constructed for the utility crossings.

Meyer Engineers, Ltd. completed all construction closeout submittals and forms, and record drawings were accepted by the DOTD.

Tasks ***Meyer Engineers, Ltd.*** completed included:

- ◆ Development of conceptual layout and plans for the bridge.
- ◆ Preparation of plans and specifications and complete design services for a drainage pump station and earthen intake canal, all in accordance with DOTD and USACE requirements.
- ◆ Coordination property acquisition.
- ◆ Funded under SELA Flood Control Program.
- ◆ Record Drawings



2.1 DISCIPLINE CATEGORY

Discipline for which Firm is applying?	<i>Drainage Conveyance</i>
----------------------------------------	----------------------------

2.2 SUBCONSULTANTS

Will you use Subconsultants for any Work associated with this Discipline?	YES	X
	NO	
Name of Subconsultant	Role of Subconsultant	
<i>Surveying & Geotechnical (As Needed)</i>		

2.3 KEY PERSONNEL PARTICIPATION IN EXAMPLE PROJECTS

NAME OF KEY PERSONNEL	ROLE IN THIS PROJECT	EXAMPLE PROJECTS FROM PROJECT KEY IN 2.4				
		1	2	3	4	5
<i>David H. Dupre, P.E.</i>	<i>Senior Project Engineer</i>					X
<i>Donovan P. Duffy, P.E.</i>	<i>Senior Project Engineer</i>					
<i>Mark A. Schutt, P.E.</i>	<i>Project Engineer</i>	X				X
<i>Jitendra C. Shah, P.E.</i>	<i>Senior Project Engineer</i>		X		X	X
<i>Kenneth Belou, P.E.</i>	<i>Project Engineer</i>				X	
<i>Eric Colwart, P.E.</i>	<i>Project Engineer</i>		X	X	X	
<i>Ann Theriot, P.E.</i>	<i>Project Engineer</i>					

2.4 EXAMPLE PROJECTS KEY

No.	TITLE OF EXAMPLE PROJECT	No.	TITLE OF EXAMPLE PROJECT
1	<i>Lafitte Drainage Improvement Program</i>	4	<i>Dwyer Road Intake Canal</i>
2	<i>Oakwood/Terrytown Drainage Improvements</i>	5	<i>Gardere Canal</i>
3	<i>Woodland Industrial Park Drainage Improvements</i>		



2.5 RESUMES OF KEY PERSONNEL PROPOSED FOR THIS DISCIPLINE

Name	David H. Dupre, P.E.				
Firm Name	Meyer Engineers, Ltd.				
Discipline	Civil Engineer				
Role in Discipline	Senior Project Engineer				
Years of Experience	Current Firm	32	Total		35
Education (Degree and Specialization)	B.S. Civil Engineering				
Current Professional Registration (State and Discipline)	PE/LA #23422/Civil Engineering				

Other Professional Qualifications (Publications, Training, Awards, etc.)

David H. Dupré has over thirty-five (35) years of experience in Civil and Structural Engineering, Project Management and Construction Management. Mr. Dupré is involved with all aspects of administering engineering projects for Meyer Engineers, Ltd. which include client contact, cost estimates, design plans and specification, construction administration, and preparation of reports. Mr. Dupre participates in most facets of Civil Engineering design including recreational facilities, roads, bridges, drainage, sanitary sewer, water, and environmental. Mr. Dupre specializes in Project Management and Infrastructure Design.

Specific Experience Relative to Discipline

Lafitte Drainage Improvement Program, Jefferson Parish

Mr. Dupre was the Project Manager for the engineering and project management services for the design, preparation of plans and specifications, and construction administration for the Lafitte **Drainage Improvement Program**. The project included the installation of more than **30,000 linear feet of subsurface drainage on 27 different streets** throughout the Town of Jean Lafitte and surrounding areas to improve the drainage conveyance to the existing pump stations. Tasks included coordination for Community Development Block Grants (CDBG), providing environmental clearance, completing DOTD utility permits, design, construction administration and inspection. Meyer coordinated work with Town of Jean Lafitte, Jefferson Parish Drainage and Engineering Departments, Jefferson Parish Administration, and U.S. Department of Housing and Urban Development (HUD). The program was divided in phases and projects. Meyer completed the design of four (4) Bid Packages, and provided Project Management, which included coordinating a number of design consultants in the preparation of the Construction Documents for the Bid Packages. The construction cost was \$6.7 Million.

Churchill Technology & Business Park – Roads and Infrastructure, Jefferson Parish

Mr. Dupre was the Project Manager for the 40-acre site located off of Nicole Boulevard on the West Bank of Jefferson Parish and includes a **2-acre detention pond**. The project included a concrete boulevard, a roundabout, **drainage lines**, water lines and sewer system in preparation for future development. A **drainage study** was prepared for the project, and as part of the drainage system, **a detention pond was designed to accommodate the expected drainage flows from the developed site**. The detention pond included an aeration pump system, which was designed with water sprays to make the pond more aesthetically pleasing for the environment. The construction cost was \$3.2M.

Harvey Boulevard, Jefferson Parish

Mr. Dupre was the Project Manager for the construction of the Harvey Boulevard Roadway from Wall Boulevard to Engineers Road (approximately 4,800 feet). Constructed of asphalt, the roadway includes four 12-foot-wide traveling lanes separated by a 60-foot-wide median. Additional features include curbs, new traffic signals, **subsurface drainage**, drainage outfalls and backfilling a major canal. Work on this project also included a 250-foot-long girder bridge constructed across Bayou Fatma. Mr. Dupre developed existing and required drainage maps and completed drainage calculations. Mr. Dupre also conducted an Environmental Assessment as well as creating and presenting exhibits at several public meetings. MEL developed right-of-way requirements and coordinated right-of-way maps and real estate appraisals. In addition, Mr. Dupre developed cost estimates for the project and coordinated with many agencies including the Jefferson Parish Engineering Department, Louisiana Department of Transportation and Development (LADOTD), USACE and United States Coast Guard. The construction cost was \$14 Million.



2.5 RESUMES OF KEY PERSONNEL PROPOSED FOR THIS DISCIPLINE

Name	Donovan P. Duffy, P.E.				
Firm Name	Meyer Engineers, Ltd.				
Discipline	Civil Engineer				
Role in Discipline	Civil Engineer				
Years of Experience	Current Firm	1	Total	4	
Education (Degree and Specialization)	B.S. Civil Engineering				
Current Professional Registration (State and Discipline)	PE/LA #41844/Civil Engineering				

Other Professional Qualifications (Publications, Training, Awards, etc.)

Donovan Duffy has over five (5) years of experience in Civil and Structural Engineering and Construction Management. Mr. Duffy has extensive experience leading design and construction administration operations within a diverse range of industries and government entities. Mr. Duffy specializes in storm water management and drainage design, including hydraulic impact analysis. Mr. Duffy is also involved in many fields of civil engineering design including roads, drainage, sanitary sewer: collection, lift stations, force mains, and treatment systems, water treatment and distribution networks, environmental and recreation. Mr. Duffy's experience in construction administration includes coordination with contractors and clients; organization, oversight and record-keeping of pre-construction and construction progress meetings; shop drawing review; evaluation of change orders and pay requests; and various other construction coordination responsibilities.

Specific Experience Relative to Discipline

Beaver Creek Drainage Improvements/Retention Pond, Tangipahoa Parish

Mr. Duffy is the Project Engineer preparing the Hydrology and Hydraulics Report for the Beaver Creek *drainage basin* in the Village of Tangipahoa at the intersection of LA Hwy. 51 and LA Hwy. 440 (Center Street). Work on Martin Luther King Drive and LA Hwy. 51 includes *upgrading the existing roadway drainage*. Work on Jackson Street includes *upgrading the existing LA Hwy. 440 (Center Street) roadway crossing drainage* by installing a 6' x 10' reinforced concrete box culvert with headwalls across LA Hwy. 440 (Center Street) to replace the three (3) existing 48" x 72" CMP to provide positive storm water flow from the existing LA Hwy. 51 cross box culvert and railroad trestle to Center Street and into a new 10-acre retention pond. The retention pond will hold runoff during storm events before releasing it into Beaver Creek once the water level is subsided. The estimated construction cost is \$2.8M.

Montz Master Drainage Plan, St. Charles Parish

Mr. Duffy was the Project Engineer who prepared the *Drainage Master Plan* for Montz in St. Charles Parish. The study limits were from LA 3217 in Laplace to the spillway levee in St. Charles Parish. The scope included performing a hydraulic impact study for both existing and proposed conditions. This study included work along Airline Highway and also takes the future West Shore Levee Project into consideration.

St. Bernard Master Drainage Plan, St. Bernard Parish

Mr. Duffy assisted with preparing the *Drainage Master Plan* for St. Bernard Parish. The study limits of St. Bernard Parish were the Orleans Parish line, Mississippi River Levee, and the Lake Borgne Basin Levee District Back Protection Levees. During the first phase maps were prepared to identify flood prone areas, repetitive loss areas, and areas which have flooded in the past. The second phase of the project included hydraulic modeling, and impact hydraulic analysis for all major canals in St. Bernard Parish. During the third phase of the project, a preliminary probable construction cost, prioritized list of recommended projects and a final report were prepared.

Children's Hospital Behavioral Health Hospital, Orleans Parish

Mr. Duffy is the Project Engineer for the expansion of the *Stormwater Management Plan* (SWMP) to include the parking areas. Work includes coordinating with F&J Architecture and the City of New Orleans, coordination with the City of New Orleans, *stormwater drainage design* to incorporate existing parking areas, revisions to the narratives and exhibits of the SWMP including drainage area maps and plans, stormwater calculations, and green infrastructure backup information.



2.5 RESUMES OF KEY PERSONNEL PROPOSED FOR THIS DISCIPLINE

Name	Mark A. Schutt, P.E.				
Firm Name	Meyer Engineers, Ltd.				
Discipline	Civil Engineer				
Role in Discipline	Structural Engineer				
Years of Experience	Current Firm	21	Total		23
Education (Degree and Specialization)	M.S. Civil Engineering B.S. Civil Engineering				
Current Professional Registration (State and Discipline)	PE/LA #30528/Civil Engineering				

Other Professional Qualifications (Publications, Training, Awards, etc.)

Mark A. Schutt, P.E. has over twenty-three (23) years' experience in Civil Engineering and Structural Engineering, and Project Management. Mr. Schutt is involved with many aspects of administering engineering projects for Meyer Engineers, Ltd. which include client contact, cost estimates, design plans and specifications, construction administration, and preparation of reports. Mr. Schutt participates in most facets of Civil Engineering design including roads, bridges, drainage, sanitary sewer, water, environmental, and structural. Mr. Schutt has specialized experience in designing a variety of recreation projects to include boat launches, fishing piers, and bike paths, and has worked on several drainage and wastewater projects in the region. Mr. Schutt's professional memberships include ASCE, APWA, LES, and NSPE.

Specific Experience Relative to Discipline

Harahan Master Drainage Study, Jefferson Parish

Mr. Schutt was the Project Engineer for preparing a **Master Drainage Plan** for the City of Harahan to create a Stormwater Management Program which included the following:

- ◆ Creation of maps identifying flood prone areas.
- ◆ Field investigation of location and conditions of existing culverts as potential problems. Researched previous drainage studies and their recommendations.
- ◆ Analyzed the problem areas identified by the City, Parish, Soniat Drainage Advisory Board and local residents.
- ◆ Created computer models of existing interior drainage system and improved conditions for 10-year storm event using the EPA Storm Water Management Model (SWMM).

Hurricane Isaac Drainage Improvements, Jefferson Parish

Mr. Schutt is the Project Engineer for **drainage improvements** for this CDBG project in the Town of Jean Lafitte. Design shall be done for a 10-year storm event in accordance with Jefferson Parish Standards and the drainage shall be tied into the existing drainage system. The estimated construction cost is \$2 Million.

Lafitte Drainage Improvement Program, Jefferson Parish

Mr. Schutt was the Project Engineer for the engineering and project management services for the design, preparation of plans and specifications, and construction administration for the Lafitte **Drainage Improvement Program**. The project included the installation of more than **30,000 linear feet of subsurface drainage on 27 different streets** throughout the Town of Jean Lafitte and surrounding areas to improve the drainage conveyance to the existing pump stations. Tasks included coordination for Community Development Block Grants (CDBG), providing environmental clearance, completing DOTD utility permits, design, construction administration and inspection. Mr. Schutt coordinated work with Town of Jean Lafitte, Jefferson Parish Drainage and Engineering Departments, Jefferson Parish Administration, and U.S. Department of Housing and Urban Development (HUD). Mr. Schutt completed the design of four (4) Bid Packages. Mr. Schutt also provided Project Management, which included coordinating a number of design consultants in the preparation of the Construction Documents for the Bid Packages. Mr. Schutt also completed the Lafitte Master Drainage Plan which precipitated this project. The construction cost was \$6.7 Million.



2.5 RESUMES OF KEY PERSONNEL PROPOSED FOR THIS DISCIPLINE

Name	<i>Jitendra C. Shah, P.E.</i>			
Firm Name	<i>Meyer Engineers, Ltd.</i>			
Discipline	<i>Civil Engineer</i>			
Role in Discipline	<i>Senior Project Engineer</i>			
Years of Experience	Current Firm	36	Total	47
Education (Degree and Specialization)	<i>B.S. Civil Engineering</i>			
Current Professional Registration (State and Discipline)	<i>PE/LA #19551/Civil Engineering</i>			



Other Professional Qualifications (Publications, Training, Awards, etc.)

Jitendra C. Shah has forty-seven (47) years of Civil Engineering experience and is involved in all aspects of administering engineering projects for Meyer Engineers, Ltd. which include client contact, cost estimates, design, construction administration, contract closeout, and preparation of reports and plans and specifications. Mr. Shah participates in most facets of Civil Engineering Design including structural, drainage, sanitary and storm sewerage, water, roads and bridges, water and sewerage treatment plants, green infrastructure, drainage and sewerage pump stations, and airport designs. As Vice President, Mr. Shah is responsible for Quality Control Peer Review for Meyer’s engineering projects and has managed projects in excess of \$50 Million. Mr. Shah has completed many significant street, drainage and wastewater projects for N.O. Department of Public Works, N.O. Sewerage & Water Board, LA DOTD, Jefferson Parish, and other municipalities in the Metropolitan area. Mr. Shah’s professional affiliations include membership in ASCE, ITE, SAME and ACI.

Specific Experience Relative to Discipline

Dwyer Road Intake Canal, Jefferson Parish

Mr. Shah was the Project Engineer for the \$50 Million Dwyer Road ***Intake Canal*** in Orleans Parish under the SELA Flood Control Program, which included structural, civil, hydraulic, geotechnical, and environmental engineering design services. The project included the design of a 7,000-foot long, 12-foot x 10-foot reinforced ***concrete box culvert*** along Dwyer Road from the Dwyer Road Pump Station to the St. Charles Canal. The project also included relocating a sewer force main, electrical distribution line, and an adjustment to water, sewer, gas, and telephone lines in conflict. This project also impacted traffic patterns along Dwyer Road and included the coordination of multiple consultants.

Mazoue Ditch Drainage Improvements, Jefferson Parish

Mr. Shah was the Project Engineer for design, construction administration, and inspection for the Mazoue Ditch ***Drainage Improvements***. The project was constructed in six (6) phases as funding became available through the Louisiana Statewide Flood Control Program. The project consisted of the following typical sections: 3,000’ long - 11’ wide and 10’ deep sheet pile section. Approximately 30’ long sheet pile and 18” thick bottom concrete slab was installed; 200’ long – 11’ wide and 10’ deep concrete u-channel; 1,050’ long – 10’ x 8’ concrete box culvert. The work also included slope paving, drainage manholes, catch basins, ***drain line adjustments***, utility adjustment, fencing and pavement replacement. The construction cost was \$12.4 Million.

Industry Canal Improvements, Jefferson Parish

Mr. Shah was the Project Manager for the design and construction support for Industry Canal Improvements in Jefferson Parish. The project consisted of ***drainage improvements*** for the Industry Canal from the Oakwood Canal to Bayou Baratavia. The project included a 42’ wide x 12’ tall concrete U-channel section (approximately 3,100’ long), removal of existing 3 – 72” x 122” arch pipes and major utility relocation work. The work also included coordinating a major transmission line relocation with Entergy. Mr. Shah provided project management for the project, and coordinated work with the USACE, Jefferson Parish, the geotechnical engineer and surveyor. The project was designed per USACE requirements. SELA funding was provided for design and construction of this project. Construction support included review of shop drawings and request for information (RFI’s) as well as required design revisions during construction. The construction cost is \$18.7 Million.



2.5 RESUMES OF KEY PERSONNEL PROPOSED FOR THIS DISCIPLINE

Name	<i>Kenneth Belou, P.E.</i>				
Firm Name	<i>Meyer Engineers, Ltd.</i>				
Discipline	<i>Civil Engineer</i>				
Role in Discipline	<i>Civil Engineer</i>				
Years of Experience	Current Firm	<i>11</i>	Total	<i>11</i>	
Education (Degree and Specialization)	<i>B.S. Civil Engineering</i>				
Current Professional Registration (State and Discipline)	<i>PE/LA #38850/Civil Engineering</i>				
Other Professional Qualifications (Publications, Training, Awards, etc.)					
<p>Kenneth J. Belou has eleven (11) years' experience in Civil Engineering and Construction Administration. Mr. Belou engages in numerous aspects of civil engineering for the firm including client contact, project planning and budgeting, project design, plan and specification preparation, cost estimate development, computer-aided design using AutoDesk AutoCAD and AutoDesk Civil 3D, and report preparation. Mr. Belou's experience in construction administration includes coordination with contractors and clients; organization, oversight, and record-keeping of pre-construction and construction progress meetings; shop drawing review; evaluation of change orders and pay requests; and various other construction coordination responsibilities. Mr. Belou is involved in many fields of civil engineering design including roads, drainage, sanitary sewer collection and treatment systems, water, environmental, recreation, and structural. Mr. Belou is a member of the American Society of Civil Engineers and a recipient of the University of New Orleans Chancellor's Award in 2009.</p>					
Specific Experience Relative to Discipline					
<u><i>18th Street/Edenborn Avenue Drainage Improvements, Jefferson Parish</i></u>					
<p>Mr. Belou assisted with the design for the <i>drainage improvements and beautification on 18th Street and Edenborn Avenue</i>. The project consisted of <i>splitting/diverting storm water from the Veterans Boulevard Canal No. 3 to W. Esplanade Canal No. 2</i>. Approximately 1,300' of subsurface drainage was installed along 18th Street and approximately 2,200' of subsurface drainage along Edenborn was upgraded. In addition to the storm water improvements, the existing 18th Street <i>concrete roadway was completely replaced</i> along with decorative stamp colored sidewalks for pedestrian use. Phase 2 included <i>72-inch and 84-inch reinforced concrete arch pipes</i> that were installed along Edenborn Avenue towards the West Esplanade Canal No. 2 to relieve the severely undersized outfall pipes presently utilized to drain 18th Street corridor. The construction cost for both Phases was \$7 Million.</p>					
<u><i>Pontchartrain Gardens Drainage, Jefferson Parish</i></u>					
<p>Mr. Belou assisted with for the design, preparation of plans and specifications for the Pontchartrain Gardens <i>Drainage Improvements</i>. The intent of this project is to <i>upgrade the subsurface drainage system</i> on Lemon and Lime streets as they are bounded by West Esplanade to the north and Veterans Boulevard to the south. The project included installation of large subsurface storm water drainage pipe that discharges into the West Esplanade Canal No. 2 and the Veterans Boulevard Canal No. 3.</p>					
<u><i>Dwyer Road Intake Canal, Jefferson Parish</i></u>					
<p>Mr. Belou assisted with the design for the <i>\$50 Million Dwyer Road Intake Canal</i> project in Orleans Parish under the SELA Flood Control Program, which included structural, civil, hydraulic, geotechnical, and environmental engineering design services. The scope of work included the design of a <i>7,000-foot long, 12-foot x 10-foot reinforced concrete box culvert</i> along Dwyer Road from the Dwyer Road Pump Station to the St. Charles Canal in New Orleans. The project included also relocating a sewer force main, electrical distribution line and an adjustment to water, sewer, gas, and telephone lines in conflict. Meyer's design included <i>drainage canals and structures</i>, pre-stressed and post-tensioned concrete structures, bulkheads, highway work, and cost estimates.</p>					



2.5 RESUMES OF KEY PERSONNEL PROPOSED FOR THIS DISCIPLINE

Name	Eric Colwart, P.E.				
Firm Name	Meyer Engineers, Ltd.				
Discipline	Civil Engineer				
Role in Discipline	Civil Engineer				
Years of Experience	Current Firm	14	Total	14	
Education (Degree and Specialization)	B.S. Civil Engineering				
Current Professional Registration (State and Discipline)	PE/LA #36290/Civil Engineering				
Other Professional Qualifications (Publications, Training, Awards, etc.)					
<p>Eric Colwart has over fourteen (14) years' experience in Civil and Structural Engineering including client contact, cost estimates, design, construction administration, and preparation of reports, plans and specifications. Mr. Colwart specializes in structural engineering and city infrastructure projects. Structural engineering projects include analysis of existing structures and foundations, as well as design of concrete foundations and steel framing for new buildings and structures. City infrastructure projects include performing hydraulic analysis and geometric design for roadway and drainage projects. Mr. Colwart has designed projects in accordance with DOTD's "Roadway Design Manual", "Hydraulics Manual", "Bridge Manual", AASHTO's "Green Book", the "Louisiana Standard Specifications for Roads and Bridges", "American Concrete Institute Standards" and the "AISC Manual of Steel Construction". Mr. Colwart's professional memberships include ASCE and SEI.</p>					
Specific Experience Relative to Discipline					
<p><u>Mazoue Ditch Drainage Improvements, Jefferson Parish</u></p> <p>Mr. Colwart assisted with the design for the Mazoue Ditch Drainage Improvements. The project was constructed in six (6) phases as funding became available through the Louisiana Statewide Flood Control Program. The project consisted of the following typical sections: 3,000' long – 11' wide and 10' deep sheet pile section (approximately 30' long sheet pile and 18" thick bottom concrete slab was installed); 200' long – 11' wide and 10' deep concrete u-channel; and 1,050' long – 10' x 8' concrete box culvert. The work also included slope paving, drainage manholes, catch basins, drain line adjustments, utility adjustment, fencing and pavement replacement. The construction cost was \$12.4 Million.</p>					
<p><u>Northeast Louisiana Veterans Cemetery, Richland Parish</u></p> <p>Mr. Colwart was the Project Engineer for the Northeast Louisiana War Veterans' Cemetery. This project consisted of a 51.5-acre cemetery development. Two (2) ponds were constructed at the site to provide storm water detention. A 12-acre borrow detention pond surrounds the site and was designed to handle a 100-year storm event. A smaller 0.5-acre pond sits in front of the assembly area and is connected to the larger pond with a drainage control structure. The small pond design also included an aerating fountain system for a natural solution to water quality management and an approved aesthetic appearance in front of the assembly area. The construction cost was \$5.7M.</p>					
<p><u>Oak Park Storm Water Management and Flood Mitigation, Orleans Parish</u></p> <p>Mr. Colwart is the Project Engineer for the Oak Park Stormwater Management and Flood Mitigation Project transforms a cluster of five vacant parcels on Perlita Street, as well as a portion of the adjacent public right-of-way (ROW) on Perlita Street, into a stormwater management area that reduces the risk of flooding for the surrounding neighborhood. The project site encompasses 27,720 square feet or 0.64 acres. Additional storage and landscape interventions in the "Preferred Option" include a bioswale that replaces the eastern travel and parking lanes of Perlita Street, which feeds into a shallow basin on the project site (one foot deep at its deepest). Water from the basin can infiltrate through the soil and into the underground storage tank below. The bioswale and pervious pavement offer additional storage capacity for stormwater. The storm water storage capacity of this project is 64,000 CF. The project team tested several design scenarios on the project site and adjacent areas of the right-of- way and conducted final modeling on two scenarios.</p>					



2.5 RESUMES OF KEY PERSONNEL PROPOSED FOR THIS DISCIPLINE

Name	<i>Ann M. Theriot, P.E.</i>				
Firm Name	<i>Meyer Engineers, Ltd.</i>				
Discipline	<i>Civil Engineer</i>				
Role in Discipline	<i>Project Engineer</i>				
Years of Experience	Current Firm	30	Total		32
Education (Degree and Specialization)	<i>B.S. Civil Engineering</i>				
Current Professional Registration (State and Discipline)	<i>PE/LA #25155/Civil Engineering</i>				

Other Professional Qualifications (Publications, Training, Awards, etc.)

Ann M. Theriot has thirty-two (32) years Civil Engineering experience and is involved with all aspects of administering engineering projects for Meyer Engineers, Ltd. which includes grant writing, client contact, cost estimates, hydraulic analysis, design, Construction Administration, and preparation of reports, permits, plans and specifications. Ms. Theriot participates in most facets of Civil Engineering design including roads, bridges, drainage, sanitary sewer, and water. Ms. Theriot specializes in drainage design, hydraulic studies and modeling. Ms. Theriot has worked on numerous grant applications for the following agencies: FEMA, HUD, CDBG, and DOTD's Port Priority Program.

Specific Experience Relative to Discipline

St. Bernard Master Drainage Plan, St. Bernard Parish

Ms. Theriot was the Project Engineer preparing the St. Bernard *Master Drainage Plan*. Study limits of St. Bernard Parish were the Orleans Parish line, Mississippi River Levee and the Lake Borgne Basin Levee District Back Protection Levees. The report recommended improvements and alternatives based on their effectiveness to **improve drainage**, prepared construction costs for improvements and alternatives, recommended code revisions, and identified potential funding sources.

Harahan Master Drainage Plan, Jefferson Parish

Ms. Theriot was the Hydraulic Engineer who prepared a *Master Drainage Plan* for the City of Harahan to develop a drainage basin model using the EPA SWMM 5.0 program. The purpose of this project was to present a long-term master plan which would identify and prioritize needed **drainage improvements** in the City. Ms. Theriot identified flood prone areas, analyzed the interior drainage system, and used EPA SWMM 5.0 to model the conditions. Ms. Theriot developed recommendations and exhibits reflecting the improvements to the drainage system, and prepared master drainage plans for the Town of Jean Lafitte and Westwego.

Montz Master Drainage Plan, St. Charles Parish

Ms. Theriot was the Project Manager who prepared the *Drainage Plan* for Montz in St. Charles Parish. The study limits were from LA 3217 in Laplace to the spillway levee in St. Charles Parish. The scope included performing a hydraulic impact study for both existing and proposed conditions. This study included work along Airline Highway and also takes the future West Shore Levee Project into consideration.

River Ridge, Harahan, Elmwood Drainage Feasibility Study, Jefferson Parish

Ms. Theriot was the Project Engineer for the *Drainage Feasibility Study* for the incorporated areas of River Ridge, Harahan, and Elmwood which included identifying flood prone areas, analyzing problem areas, creating computer models, recommending options to existing drainage system, recommending alternatives, and prioritizing recommended improvements.



2.6 EXAMPLE PROJECTS ILLUSTRATING FIRMS QUALIFICATIONS

Firm Name	<i>Meyer Engineers, Ltd.</i>	Firm Role	<i>Prime</i>
Project Title	<i>Lafitte Drainage Improvement Program</i>		
Project Key Number	<i>1</i>	Project Location	<i>Jefferson Parish</i>
Project Owner	<i>Town of Jean Lafitte</i>	Owner's Point of Contact	<i>Ms. Nicole Cooper</i>
Owner's Address	<i>2654 Jean Lafitte Blvd., Lafitte, LA 70067</i>	Phone Number	<i>504-689-7801</i>
		Email Address	<i>ncooper@townofjeanlafitte.com</i>
Services Completed	<i>2014</i>	Professional Services Fee	<i>\$1M</i>
Construction Completed	<i>2016</i>	Total Construction Cost	<i>\$6.7M</i>

Brief Description of Project and Relevance to This Discipline

Meyer Engineers, Ltd. provided project management services for the design, preparation of plans and specifications, and construction administration for the Lafitte ***Drainage Improvement*** Program.

The project included the installation of more than ***30,000 linear feet of subsurface drainage on 27 different streets*** throughout the Town of Jean Lafitte and surrounding areas to improve the drainage conveyance to the existing pump stations.

Tasks included coordination for Community Development Block Grant (CDBG) funding, providing environmental clearance, completing DOTD utility permits, design, and construction administration and inspection.

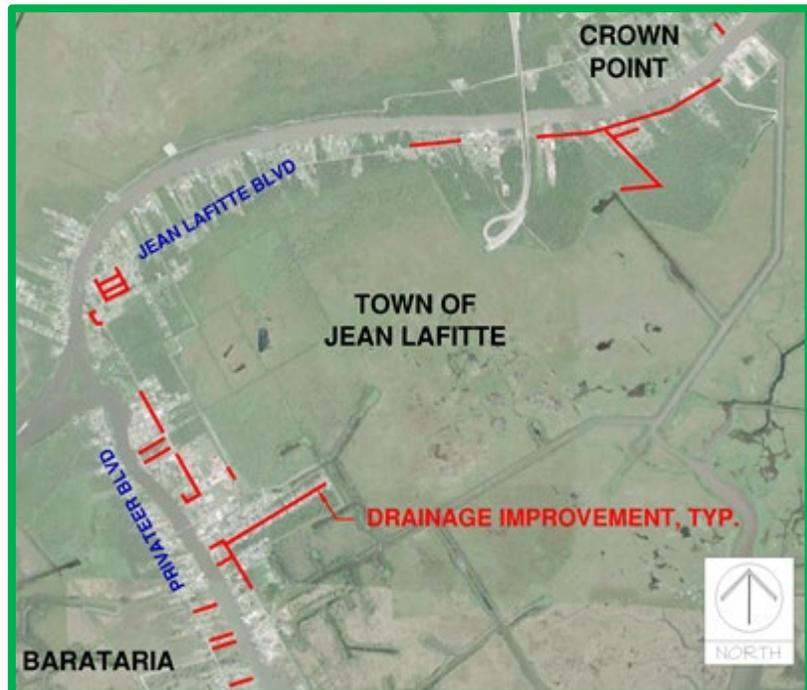
Meyer coordinated work with Town of Jean Lafitte, Jefferson Parish Drainage and Engineering Departments, Jefferson Parish Administration, and U.S. Department of Housing and Urban Development (HUD).

The program was divided in phases and projects. Meyer completed the design of four (4) Bid Packages. Meyer also provided Project Management, which included coordinating four (4) different design consultants in the preparation of the Construction Documents for the Bid Packages.

Meyer also completed the Lafitte Master Drainage Plan which precipitated this project.

HIGHLIGHTS

- ***Project Management***
- ***30,000 LF of Subsurface Drainage***
- ***Environmental Clearance***
- ***Community Development Block Grant (CDBG) Funded***



2.6 EXAMPLE PROJECTS ILLUSTRATING FIRMS QUALIFICATIONS

Firm Name	<i>Meyer Engineers, Ltd.</i>	Firm Role	<i>Prime</i>
Project Title	<i>Oakwood/Terrytown Drainage Improvements</i>		
Project Key Number	<i>2</i>	Project Location	<i>Jefferson Parish</i>
Project Owner	<i>Jefferson Parish Drainage Department</i>	Owner's Point of Contact	<i>Mr. Mitchell Theriot</i>
Owner' Address	<i>1221 Elmwood Park Boulevard, Ste. 907 Harahan, LA 70123</i>	Phone Number	<i>504-736-6751</i>
		Email Address	<i>Mtheriot@jeffparish.net</i>
Services Completed	<i>2015</i>	Professional Services Fee	<i>\$772,000</i>
Construction Completed	<i>2016</i>	Total Construction Cost	<i>\$6M</i>

Brief Description of Project and Relevance to This Discipline

Meyer Engineers, Ltd. completed the ***design of drainage improvements*** and street reconstruction along Carol Sue Avenue from Oakwood Canal to Algiers Outfall Canal in Terrytown. The scope of work included the following:

- ◆ Approximately 2,500' long new 72" RCPA ***drain lines***.
- ◆ Removal and replacement 11,000 SY of 7" thick concrete roadway with rollover curb. The design included re-establishing vertical alignment for proper drainage.
- ◆ Major utility lines were relocated, and water and sewer line relocation plans were developed. Telephone fiber optical line conflicts were resolved, and gas line relocation was coordinated. The utility relocation plans were developed to minimize damage to the fiber optic cable and street-light system per Jefferson Parish requirements. Special sequences and details were developed for relocation of telephone fiber optic cables.
- ◆ Detour plans were developed for traffic routing. Two lanes of traffic were kept open throughout the construction of the project, and special construction sequences were developed as needed.
- ◆ The outfall at the Algiers Outfall Canal was designed to avoid canal bank erosion issues.

HIGHLIGHTS

- ***HMGP Funded***
- ***Subsurface Drainage Improvements***
- ***Minimized Traffic Disruption by Phasing Behrman Highway Crossing over two (2) Weekends***
- ***Major Utility Relocation***

A challenge encountered with the project was to minimize the traffic disruption in crossing a major highway (Behrman Highway). This was resolved by requiring the work to be completed over two (2) weekends, which included ***drain lines***, utility relocations, and road replacement. Traffic was detoured through neighborhood streets successfully, and traffic signalization system was restored during this period. Special construction sequences and detour plans were planned and coordinated with DOTD.



2.6 EXAMPLE PROJECTS ILLUSTRATING FIRMS QUALIFICATIONS

Firm Name	<i>Meyer Engineers, Ltd.</i>	Firm Role	<i>Prime</i>
Project Title	<i>Woodland Industrial Park Drainage Improvements</i>		
Project Key Number	<i>3</i>	Project Location	<i>Plaquemines Parish</i>
Project Owner	<i>Plaquemines Parish Engineering Department</i>	Owner's Point of Contact	<i>Mr. Ken Dugas</i>
Owner' Address	<i>333 F. Edward Hebert Boulevard Belle Chasse, LA 70037</i>	Phone Number	<i>504-934-6115</i>
		Email Address	<i>ken_dugas@plaqueminesparish.com</i>
Services Completed	<i>2014</i>	Professional Services Fee	<i>\$253,000 (Design and Drainage Master Plan)</i>
Construction Completed	<i>2015</i>	Total Construction Cost	<i>\$750,000</i>

Brief Description of Project and Relevance to This Discipline

Meyer Engineers, Ltd. provided ***drainage improvements*** in the Woodland Industrial Park in Plaquemines Parish. ***Meyer Engineers, Ltd.*** prepared a Conceptual Design Report which ***evaluated the existing drainage system*** in the Woodland Industrial Park. As part of the evaluation, Plaquemines Parish provided ***Meyer Engineers, Ltd.*** with CCTV of the existing subsurface drainage system along with reports prepared by the Plaquemines Parish Engineering Department.



The project consisted of removing collapsed and severely undersized culverts throughout the commercial park. During the investigation of the existing system, it was quickly determined that much of the existing storm water pipe condition was corroded to unrepairable quality. An added dimension of complexity was that the industrial park had a single ingress and egress that the outfall pipe had to circumnavigate. There were a few businesses in the park that were considered emergency services for the oil, gas and chemical industry and were on standby. This required that access to the park be provided at all times. After the Hydraulic Analysis was completed for the drainage basin, it was determined that a 42"-48" pipe was necessary at the outfall. Therefore, the design team decided that a Steel Reinforced Polyethylene (SRPE) Pipe would provide the capability of quicker installation (i.e. longer pipe sections with fewer joints), better hydraulic capacity because of the smooth interior, better protection from the acidic/caustic soils that plagued the original subsurface drainage system and furthermore greater cost efficiency. The pipe selected however, was not on the LADOTD Approved Materials List. The parish authorized it's use as a test project for further study. After (3) three years, the culverts have been tested for deflection and other issues. It has been found that no discrepancies with the culverts exist. Coordination with a private high-pressured gas line and LADOTD required permit preparation. The success of this project depended on a good working relationship with the government officials to assess the benefits of using a product that has not been used much in the metropolitan area.



2.6 EXAMPLE PROJECTS ILLUSTRATING FIRMS QUALIFICATIONS

Firm Name	<i>Meyer Engineers, Ltd.</i>	Firm Role	<i>Prime</i>
Project Title	<i>Dwyer Road Intake Canal</i>		
Project Key Number	<i>4</i>	Project Location	<i>Orleans Parish</i>
Project Owner	<i>New Orleans Sewerage & Water Board</i>	Owner's Point of Contact	<i>Mr. Ron Spooner</i>
Owner' Address	<i>8800 S. Claiborne Avenue New Orleans, LA 70118</i>	Phone Number	<i>504-865-0650</i>
		Email Address	<i>Rspooner@swbno.org</i>
Services Completed	<i>2014</i>	Professional Services Fee	<i>\$2M</i>
Construction Completed	<i>2016</i>	Total Construction Cost	<i>\$50M</i>

Brief Description of Project and Relevance to This Discipline

Since May of 1995 a 6-hour rainfall averaged 12 inches and, in some locations, up to 28 inches in a 24-hour period. Since 1978 there were \$1 Billion worth of damages from rainfall flooding. Dwyer sub-basin drainage improvements provided flood risk reduction for a 10-year storm event and worked in conjunction with the existing drainage system.

Meyer Engineers, Ltd. designed the \$50 Million ***Dwyer Road Intake Canal*** project in Orleans Parish under the SELA Flood Control Program, which included structural, civil, hydraulic, geotechnical, and environmental engineering design services. The scope of work included the design of a ***7,000-foot long, 12-foot x 10-foot reinforced concrete box culvert*** along Dwyer Road from the Dwyer Road Pump Station to the St. Charles Canal in New Orleans. The project included also relocating a sewer force main, electrical distribution line and an adjustment to water, sewer, gas, and telephone lines in conflict.

Meyer's design included drainage canals and structures, pre-stressed and post-tensioned concrete structures, bulkheads, highway work, and cost estimates. Meyer coordinated site layout, real estate rights of way, HTRW investigations, soil borings and tests, pile capacity curves, soil pressure assessments, seepage and dewatering analysis, stability analysis, surveys and aerial photographic coverage. Meyer also reviewed shop drawings and requests for information during construction. Under a separate contract (USACE Construction Management Services), Meyer provided a Quality Assurance Representative (Resident Inspection).

Additional aspects of the project included the ***design of a cofferdam*** to allow the dewatering process to be clean, reusable, unobstructed, and cost effective. Meyer conducted public meetings to assist interested parties in understanding the benefits of the box culverts to the community. As the Project Manager, Meyer managed the work of multiple subcontractors during design. Meyer provided traffic control plans to reduce inconvenience to the public. The project demonstrates Meyer's expertise in project management and civil engineering

design for drainage projects in accordance with USACE guidelines for the New Orleans District and the Sewerage and Water Board of New Orleans. Since the box culvert alignment crosses the I-10 overpass at Dwyer Road, ***Meyer anticipated complications related to driving temporary sheet piles*** and permanent foundation timber piles. Meyer's innovative solution to accommodate this need, Meyer determined ***temporary steel sheet piles*** needed to be ***spliced*** during pile driving operation, and also proposed driving steel pipe piles instead of timber piles for foundation.

HIGHLIGHTS

- ***7,000' of 12' x 10' Concrete Reinforced Box Culverts***
- ***Coordination of Plans, Specifications, and Overall Design with the USACE New Orleans District, City of New Orleans Officials and several Subconsultants***
- ***Public Meetings for Community Involvement***
- ***Design of Cofferdam System***



12' x 10' Box Culvert



Meyer Engineers, Ltd.
Engineers & Architects

2.6 EXAMPLE PROJECTS ILLUSTRATING FIRMS QUALIFICATIONS

Firm Name	<i>Meyer Engineers, Ltd.</i>	Firm Role	<i>Prime</i>
Project Title	<i>Gardere Canal</i>		
Project Key Number	<i>5</i>	Project Location	<i>Jefferson Parish</i>
Project Owner	<i>Jefferson Parish Department of Capital Projects</i>	Owner's Point of Contact	<i>Mr. Clinton Hotard</i>
Owner' Address	<i>1221 Elmwood Park Boulevard, Ste. 906 Harahan, LA 70123</i>	Phone Number	<i>504-736-6833</i>
		Email Address	<i>Chotard@jeffparish.net</i>
Services Completed	<i>2007</i>	Professional Services Fee	<i>\$2M</i>
Construction Completed	<i>2009</i>	Total Construction Cost	<i>\$20M</i>

Brief Description of Project and Relevance to This Discipline

Gardere Canal is located on the West Bank of the Mississippi River in Jefferson Parish. The work entailed widening of the earthen canal 7,000 linear feet by installing permanent sheet piles, U-channel, and canal pavement section. The work was performed in a very narrow right-of-way between homes in a residential neighborhood.

HIGHLIGHTS

- *Hydraulic Analysis*
- *Sheet Pile Wall Sections, Concrete "U" Channel and Earthen Section*
- *SELA Flood Control Program*

Meyer Engineers, Ltd. completed the design and construction support of the ***Gardere Canal Improvements*** Phase I & II- SELA Project in Jefferson Parish.

Gardere Canal Improvements - Phase I project included the installation of approximately 1,000 linear feet of ***steel sheet pile wall section*** with a concrete bottom slab, 1,000 linear feet of ***concrete "U" channel*** and 900 linear feet of ***earthen section*** between Martin Luther King Playground and Brown Avenue Canal. The project construction was completed under USACE supervision.

Gardere Canal Improvements - Phase II project included the installation of approximately 4,250 linear feet of ***steel sheet pile wall section*** with concrete bottom slab and 1,450 linear feet of ***concrete "U" channel section*** between Brown Avenue and Eighth Street.



Several alternatives were studied relative to hydraulic and geotechnical analysis for the 10-year storm design condition. The project was designed with an adequate section to fit in the existing right-of-way. The project area is fully developed and acquiring additional right-of-way would have been cost prohibitive and would have delayed the project.

Several utility lines and drainage outfall culverts were adjusted for the construction of the proposed section. ***All utility work was coordinated with private and public agencies.*** The design included preparation of a Preliminary Design Report based on existing right-of-way, topographic survey, geotechnical analysis and Owner furnished hydraulic improvement information. The design and construction documents were based on recommendations from the Preliminary Design Report. Construction support included review of shop drawings and request for information (RFI's) as well as required design revisions during construction.



2.1 DISCIPLINE CATEGORY

Discipline for which Firm is applying?	<i>Drainage Pump Stations</i>
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2.2 SUBCONSULTANTS

Will you use Subconsultants for any Work associated with this Discipline?	YES	<i>X</i>
	NO	
Name of Subconsultant	Role of Subconsultant	
<i>Surveying & Geotechnical (As Needed)</i>		

2.3 KEY PERSONNEL PARTICIPATION IN EXAMPLE PROJECTS

NAME OF KEY PERSONNEL	ROLE IN THIS PROJECT	EXAMPLE PROJECTS FROM PROJECT KEY IN 2.4				
		1	2	3	4	5
<i>David H. Dupre, P.E.</i>	<i>Senior Project Engineer</i>	<i>X</i>	<i>X</i>	<i>X</i>		
<i>Jitendra C. Shah, P.E.</i>	<i>Senior Project Engineer</i>				<i>X</i>	<i>X</i>
<i>Ann M. Theriot, P.E.</i>	<i>Project Engineer</i>			<i>X</i>		
<i>Mark A. Schutt, P.E.</i>	<i>Project Engineer</i>	<i>X</i>		<i>X</i>	<i>X</i>	
<i>Eric Colwart, P.E.</i>	<i>Project Engineer</i>					<i>X</i>

2.4 EXAMPLE PROJECTS KEY

No.	TITLE OF EXAMPLE PROJECT	No.	TITLE OF EXAMPLE PROJECT
1	<i>Whitney Barataria Pump Station</i>	4	<i>Lafitte Pump Station</i>
2	<i>Hero Canal to Oakville Pump Station</i>	5	<i>Cousins Pump Station</i>
3	<i>Hackberry Pump Station</i>		



2.5 RESUMES OF KEY PERSONNEL PROPOSED FOR THIS DISCIPLINE

Name	David H. Dupre, P.E.				
Firm Name	Meyer Engineers, Ltd.				
Discipline	Civil Engineer				
Role in Discipline	Senior Project Engineer				
Years of Experience	Current Firm	32	Total		35
Education (Degree and Specialization)	B.S. Civil Engineering				
Current Professional Registration (State and Discipline)	PE/LA #23422/Civil Engineering				

Other Professional Qualifications (Publications, Training, Awards, etc.)

David H. Dupré has over thirty-five (35) years of experience in Civil and Structural Engineering, Project Management and Construction Management. Mr. Dupré is involved with all aspects of administering engineering projects for Meyer Engineers, Ltd. which include client contact, cost estimates, design plans and specification, construction administration, and preparation of reports. Mr. Dupre participates in most facets of Civil Engineering design including roads, bridges, drainage, sanitary sewer, water, and environmental. Mr. Dupre specializes in Project Management and Infrastructure Design. Mr. Dupre is the Treasurer/Secretary on the State Board American Council of Engineering Companies (ACEC). He was also the former New Orleans Chapter President. In 2016, Mr. Dupre was honored in receiving the Outstanding Civil Engineer award from the New Orleans Branch of the American Society of Civil Engineers (ASCE). Mr. Dupre is also a member of SAME, ASCE, APWA, CMAA and LES.

Specific Experience Relative to Discipline

Hackberry Pump Station, St. Charles Parish

Mr. Dupre was the Project Manager for the design of replacing the existing 15 CFS Hackberry **Drainage Pump Station** with a 30 CFS drainage pump station. Work was in accordance with the 1995 Master Drainage Plan. The drainage pump station included dual 15 CFS vertical, single sheet, axial flow propeller pumps. Included are direct drive, 50 HP electrical motors with backup generator. Also included a cofferdam, bar screen with automatic rakes, hoist, and a 35' high pump station. The project also included a 48" RCPA, a large intake grating structure, utility offsets and pavement repair.

Whitney Baratavia Pump Station, Jefferson Parish

Mr. Dupre was the Project Engineer for **the \$21.5M drainage improvement project** on the West Bank of Jefferson Parish under the Southeast Louisiana (SELA) Flood Control Program, including structural, civil, hydraulic, geotechnical, mechanical, electrical, environmental, and value engineering design; architecture; quality assurance; and construction management. Meyer designed and managed construction of the new 3,000 CFS drainage pump station, flood control structures, pre-stressed and post-tensioned concrete structures, bulkheads, dolphins, fenders, guide walls, jetties, highway work/roads, culverts and bridges, and associated buildings. Meyer provided site layout, real estate right-of-way, architectural treatments, soil borings and tests, pile capacity curves, soil pressure assessments, seepage and dewatering analysis, stability analysis, surveys, and aerial photographic coverage. Meyer managed and performed design, construction management, QA inspection, and technical support during construction for this drainage pump station.

Gulf Intracoastal Waterway West Closure Complex, Jefferson, Orleans and Plaquemines Parishes

Mr. Dupre was the Project Manager for the **20,000 CFS drainage pump station** which spans three Parishes. The project also included a sector gate, 5,700' of concrete Tee-wall supported on concrete piling, 9,000' of earthen levee, a safe house for the pump station operators, cofferdams, dredging, bulkheads, dolphins, fenders, guide walls, rock jetties, concrete roads, and asphalt roads.

Hero Canal to Oakville Pump Station, Plaquemines Parish

Mr. Dupre was the Project Manager for the **\$26.5M project**. The work included **pump station construction and a stop-log closure structure**. Also included was an earthen levee, reinforced concrete tee-walls, access road, turnaround and parking, access ramp to the generator, a pre-fabricated Motor Control Center Building on a reinforced concrete platform, marine traffic guidewalls, and impact dolphins.



2.5 RESUMES OF KEY PERSONNEL PROPOSED FOR THIS DISCIPLINE

Name	<i>Jitendra C. Shah, P.E.</i>				
Firm Name	<i>Meyer Engineers, Ltd.</i>				
Discipline	<i>Civil Engineer</i>				
Role in Discipline	<i>Senior Project Engineer</i>				
Years of Experience	Current Firm	36	Total	47	
Education (Degree and Specialization)	<i>B.S. Civil Engineering</i>				
Current Professional Registration (State and Discipline)	<i>PE/LA #19551/Civil Engineering</i>				
Other Professional Qualifications (Publications, Training, Awards, etc.)					
<p>Jitendra C. Shah has forty-seven (47) years' experience as a Civil Engineer. Mr. Shah is involved with all aspects of administering engineering projects for Meyer Engineers, Ltd. which include client contact, cost estimates, design, construction administration, and contract closeout, preparation of reports and plans and specifications. Mr. Shah participates in most facets of Civil Engineering design including structural, drainage, sanitary and storm sewerage, water, roads and bridges, and airport designs. Jitendra C. Shah has completed design of many drainage pump stations from 40-3,000 CFS, some of which included canal and levee improvements.</p>					
Specific Experience Relative to Discipline					
<p><u><i>Cousins Pump Station, St. Charles Parish</i></u> Mr. Shah was the Project Engineer for the <i>discharge pipe replacement at Cousins Pump Station</i>. The construction cost was \$250,000. The work included the following: removing and replacing 200 LF of discharge piping for two (2) pumps, and replacement of the existing aggregate access road over discharge piping, and temporary engineered bulkheads were designed in the discharge basin for discharge pipe installation, and flap gate at discharge pipes were installed.</p>					
<p><u><i>Industry Canal Improvements, Jefferson Parish</i></u> Mr. Shah was the Project Engineer for the Industry Canal Improvements in Jefferson Parish. The project consisted of <i>drainage improvements</i> for the Industry Canal from the Oakwood Canal to Bayou Barataria. The project included a 42' wide x 12' tall concrete U-channel section (approximately 3,100' long), removal of existing 3 – 72" x 122" arch pipes and major utility relocation work. The work also included coordinating a major transmission line relocation with Entergy. Temporary sheeting was designed for constructability. The construction cost was \$18.7 Million.</p>					
<p><u><i>Lafitte Drainage Pump Station, Jefferson Parish</i></u> Mr. Shah was the Project Manager for the design of the Lafitte <i>Drainage Pump Station</i>. The project consisted of construction of a 12 CFS pump station in Rosethorne Park. The pump station consisted of two (2) single stage 6 CFS vertical shaft propeller pumps placed in single caisson. An intake canal was constructed to bring storm water to the pump station. 14" diameter discharge pipes were routed above the levee crown to the discharge basin. An 80 KVA generator was installed for backup power. An access road from Highway 45 to the pump station was also constructed.</p>					
<p><u><i>Mazoue Ditch Drainage Improvements, Jefferson Parish</i></u> Mr. Shah was the Project Engineer for the Mazoue Ditch <i>Drainage Improvements</i>. The project was constructed in six (6) phases as funding became available through the Louisiana Statewide Flood Control Program. The work included the following typical sections: 3,000' long – 11' wide and 10' deep sheet pile section; 200' long – 11' wide and 10' deep concrete u-channel; and 1,050' long – 10' x 8' concrete box culvert. The work also included slope paving, drainage manholes, catch basins, drain line adjustments, utility adjustment, fencing and pavement replacement. The construction cost was \$12.4 Million.</p>					



2.5 RESUMES OF KEY PERSONNEL PROPOSED FOR THIS DISCIPLINE

Name	<i>Ann M. Theriot, P.E.</i>				
Firm Name	<i>Meyer Engineers, Ltd.</i>				
Discipline	<i>Civil Engineer</i>				
Role in Discipline	<i>Project Engineer</i>				
Years of Experience	Current Firm	30	Total		32
Education (Degree and Specialization)	<i>B.S. Civil Engineering</i>				
Current Professional Registration (State and Discipline)	<i>PE/LA #25155/Civil Engineering</i>				
Other Professional Qualifications (Publications, Training, Awards, etc.)					
<p>Ann M. Theriot has thirty-two (32) years' experience as a Civil Engineer. Ms. Theriot is involved with all aspects of administering engineering projects for Meyer Engineers, Ltd. which include client contact, cost estimates, hydraulic analysis, design, construction administration, preparation of reports, plans and specifications. Ms. Theriot participates in most facets of Civil Engineering design including roads, bridges, drainage, sanitary sewer, water, and structural.</p>					
Specific Experience Relative to Discipline					
<p><u>St. Bernard Master Drainage Plan, St. Bernard Parish</u></p> <p>Ms. Theriot is the Project Engineer for preparing the <i>Drainage Master Plan</i> for St. Bernard Parish. The study limits of St. Bernard Parish are the Orleans Parish line, Mississippi River Levee and the Lake Borgne Basin Levee District Back Protection Levees. During the first phase of the project, maps are being prepared to identify flood prone areas, repetitive loss areas, and areas which have flooded in the past based on information provided by the Parish Floodplain Administrator. The second phase of the project includes hydraulic modeling. During the third phase of the project, a preliminary probable construction cost, prioritized list of recommended projects and a final report shall be assembled. The final report shall consist of presentation of the existing conditions, improved conditions, prioritized list of projects with preliminary construction costs, recommended code revisions and potential funding sources.</p>					
<p><u>Drainage District No. 9 Storm Water Management Plan, Jefferson Parish</u></p> <p>Ms. Theriot was the Project Manager who prepared the <i>Storm Water Management Plan</i> for Drainage District No. 9 that included 24 major drainage canals and 2 pump stations draining an area of approximately 12,500 acres. Field investigations were scheduled to gather culvert, bridge, and utility crossing information for each canal. Runoff hydrographs were tabulated for each canal using HEC-1. The UNET model produced stage and flow data for each canal. The model was calibrated to match known field conditions for staged based on the Jefferson Parish SCADA system gages. Ms. Theriot determined the hydraulic capacity of the existing system and made recommendations for each canal in the district. Plan profile sheets for each canal were prepared to depict the water surface profiles. Control maps were compiled to show the projected extent of flooding for the different design storms. Ms. Theriot prepared preliminary statements of probable cost for the recommended drainage improvements and prioritized these projects based on the magnitude of flooding. Design included detention ponds at recreation facilities and in public rights-of-way, retention ponds throughout the system in and near major drainage canals, multiple major drainage pump stations including the Whitney Barataria 3,000 CFS pump station designed by Meyer Engineers, Ltd. funded by the USACE and SWFC Program. Ms. Theriot held numerous public meetings to gather input and address the needs and concerns of the public.</p>					
<p><u>Harahan Storm Water Management Plan, Jefferson Parish</u></p> <p>Ms. Theriot prepared a <i>report annually for the City of Harahan</i> in accordance with the provisions and requirements of the Municipal Separate Storm Water Sewer Systems (MS4) Permit. The National Pollutant Discharge Elimination System (NPDES) MS4 Permit requires Harahan and other co-permittees on the permit to develop, revise and implement a comprehensive Storm Water Master Plan (SWMP). Aspects of the SWMP include structural controls, flood control projects, illicit discharges, spill prevention, construction site runoff, public education, monitoring and pollution prevention with measurable goals for each of these areas. Ordinances have been written and revised as needed to enforce the permit regulations. Inspections and monitoring of various programs is completed in order to implement the MS4 Permit requirements.</p>					



2.5 RESUMES OF KEY PERSONNEL PROPOSED FOR THIS DISCIPLINE

Name	Mark A. Schutt, P.E.				
Firm Name	Meyer Engineers, Ltd.				
Discipline	Civil Engineer				
Role in Discipline	Structural Engineer				
Years of Experience	Current Firm	21	Total		23
Education (Degree and Specialization)	M.S. Civil Engineering B.S. Civil Engineering				
Current Professional Registration (State and Discipline)	PE/LA #30528/Civil Engineering				
Other Professional Qualifications (Publications, Training, Awards, etc.)					
<p>Mr. Schutt has twenty-three (23) years' experience as a Civil Engineer. Mr. Schutt performs Civil Engineering and design for the firm, which includes client contact, cost estimates, design, construction administration, preparation of reports, plans and specifications. Mr. Schutt participates in most facets of Civil Engineering design including roads, bridges, drainage, sanitary sewer, water, environmental and structural.</p>					
Specific Experience Relative to Discipline					
<p><u>Hackberry Pump Station, St. Charles Parish</u></p> <p>Mr. Schutt was the Project Engineer for the design of replacing the existing 15 CFS Hackberry Drainage Pump Station with a 30 CFS drainage pump station. Work was in accordance with the 1995 Master Drainage Plan. The drainage pump station included dual 15 CFS vertical, single sheet, axial flow propeller pumps. Included are direct drive, 50 HP electrical motors with backup generator. Also included as a cofferdam, bar screen with automatic rakes, hoist, and a 35' high pump station. The project also included a 48" RCPA, a large intake grating structure, utility offsets and pavement repair.</p>					
<p><u>Whitney Barataria Pump Station, Jefferson Parish</u></p> <p>Mr. Schutt assisted with the design of the \$21.5M drainage improvement project on the West Bank of Jefferson Parish under the Southeast Louisiana (SELA) Flood Control Program, including structural, civil, hydraulic, geotechnical, mechanical, electrical, environmental, and value engineering design; architecture; quality assurance; and construction management. Meyer designed and managed construction of the new 3,000 CFS drainage pump station, flood control structures, pre-stressed and post-tensioned concrete structures, bulkheads, dolphins, fenders, guide walls, jetties, highway work/roads, culverts and bridges, and associated buildings.</p>					
<p><u>Lafitte Drainage Pump Station, Jefferson Parish</u></p> <p>Mr. Schutt assisted with the design of the Lafitte Drainage Pump Station. The project consisted of construction of a 12 CFS pump station in Rosethorne Park. The pump station consisted of two (2) single stage 6 CFS vertical shaft propeller pumps placed in single caisson. An intake canal was constructed to bring storm water to the pump station. 14" diameter discharge pipes were routed above the levee crown to the discharge basin. An 80 KVA generator was installed for backup power. An access road from Highway 45 to the pump station was also constructed.</p>					



2.5 RESUMES OF KEY PERSONNEL PROPOSED FOR THIS DISCIPLINE

Name	<i>Eric Colwart, P.E.</i>				
Firm Name	<i>Meyer Engineers, Ltd.</i>				
Discipline	<i>Civil Engineer</i>				
Role in Discipline	<i>Civil Engineer</i>				
Years of Experience	Current Firm	<i>14</i>	Total	<i>14</i>	
Education (Degree and Specialization)	<i>B.S. Civil Engineering</i>				
Current Professional Registration (State and Discipline)	<i>PE/LA #36290/Civil Engineering</i>				

Other Professional Qualifications (Publications, Training, Awards, etc.)

Eric Colwart has over fourteen (14) years’ experience in Civil and Structural Engineering including client contact, cost estimates, design, construction administration, and preparation of reports, plans and specifications. Mr. Colwart specializes in structural engineering and city infrastructure projects. Structural engineering projects include analysis of existing structures and foundations, as well as design of concrete foundations and steel framing for new buildings and structures. City infrastructure projects include performing hydraulic analysis and geometric design for roadway and drainage projects. Mr. Colwart has designed projects in accordance with DOTD’s “Roadway Design Manual”, “Hydraulics Manual”, “Bridge Manual”, AASHTO’s “Green Book”, the “Louisiana Standard Specifications for Roads and Bridges”, “American Concrete Institute Standards” and the “AISC Manual of Steel Construction”. Mr. Colwart’s professional memberships include ASCE and SEI.

Specific Experience Relative to Discipline

Oakwood/Terrytown Drainage Improvements, Jefferson Parish

Mr. Colwart assisted with the design of drainage improvements and street reconstruction along Carol Sue Avenue from Oakwood Canal to Algiers Outfall Canal in Terrytown. The work included approximately 2,500’ long new 72” RCPA drain lines, removal and replacement of 11,000 SY of 7” thick concrete roadway with rollover curb, relocation of major utility lines, and detour plans. The construction cost was \$6 Million.

Industry Canal Improvements, Jefferson Parish

Mr. Colwart assisted with the design and construction support for Industry Canal Improvements in Jefferson Parish. The project consisted of drainage improvements for the Industry Canal from the Oakwood Canal to Bayou Barataria. The project included a 42’ wide x 12’ tall concrete U-channel section (approximately 3,100’ long), removal of existing 3 – 72” x 122” arch pipes and major utility relocation work. The work also included coordinating a major transmission line relocation with Entergy. Mr. Colwart assisted with project management for the project, and coordinated work with the USACE, Jefferson Parish, the geotechnical engineer and surveyor. The project was designed per USACE requirements. SELA funding was provided for design and construction of this project. Construction support included review of shop drawings and request for information (RFI’s) as well as required design revisions during construction. The construction cost is \$18.7 Million.

Mazoue Ditch Drainage Improvements, Jefferson Parish

Mr. Colwart assisted with the design, construction administration and inspection for the Mazoue Ditch Drainage Improvements. The project was constructed in six (6) phases as funding became available through the Louisiana Statewide Flood Control Program. The work included the following typical sections: 3,000’ long – 11’ wide and 10’ deep sheet pile section; 200’ long – 11’ wide and 10’ deep concrete u-channel; and 1,050’ long – 10’ x 8’ concrete box culvert. The work also included slope paving, drainage manholes, catch basins, drain line adjustments, utility adjustment, fencing and pavement replacement. The construction cost was \$12.4 Million



2.6 EXAMPLE PROJECTS ILLUSTRATING FIRMS QUALIFICATIONS

Firm Name	<i>Meyer Engineers, Ltd.</i>	Firm Role	<i>Prime</i>
Project Title	<i>Whitney Barataria Pump Station</i>		
Project Key Number	<i>1</i>	Project Location	<i>Jefferson Parish</i>
Project Owner	<i>Jefferson Parish Drainage Department</i>	Owner's Point of Contact	<i>Mr. Mitchell Theriot</i>
Owner's Address	<i>1221 Elmwood Park Boulevard, Ste. 907 Harahan, LA 70123</i>	Phone Number	<i>504-736-6751</i>
		Email Address	<i>Mtheriot@jeffparish.net</i>
Services Completed	<i>2004</i>	Professional Services Fee	<i>\$1.8M</i>
Construction Completed	<i>2006</i>	Total Construction Cost	<i>\$21.5M</i>

Brief Description of Project and Relevance to This Discipline

Meyer Engineers, Ltd. provided Lifecycle Project Management with a ***\$21.5M drainage improvement project*** on the West Bank of Jefferson Parish under the Southeast Louisiana (SELA) Flood Control Program, including structural, civil, hydraulic, geotechnical, mechanical, electrical, environmental, and value engineering design; architecture; quality assurance; and construction management.

Meyer designed and managed ***construction of the new 3,000 CFS drainage pump station***, flood control structures, pre-stressed and post-tensioned concrete structures, bulkheads, dolphins, fenders, guide walls, jetties, highway work/roads, culverts and bridges, and associated buildings. Meyer provided site layout, real estate right-of-way, architectural treatments, soil borings and tests, pile capacity curves, soil pressure assessments, seepage and dewatering analysis, stability analysis, surveys, and aerial photographic coverage.



Meyer managed and performed design, construction management, Quality Assurance inspection, and technical support during construction for this drainage pump station. The ***pump station*** consisted of three 11-foot diameter 1,000 cfs ***pumps***, three 16-cylinder EMD diesel engines, an air suppression system, emergency generators, switchgears, gear reducers, overhead cranes, trash rakes, and an operator's office. The project also included an intake canal consisting of steel sheet pile wall with a concrete cap and a pile supported concrete deadman, a concrete discharge basis, riprap revetment, concrete I-walls, dolphins, dredging, and modifications to an existing earthen levee at the Intracoastal Waterway.

During design, Meyer participated in a Value Engineering effort led by USACE that determined the canal transition to the station required additional modeling to gauge the frequency and force potential eddies. Meyer teamed with Alden Research, Inc. to prepare a 3-D hydraulic model to provide a cost-effective means to evaluate the operating performance of the design prior to construction. This resulted in a modification to the design, which included lengthening the intake basin for the intake canal to ensure proper hydraulics.



2.6 EXAMPLE PROJECTS ILLUSTRATING FIRMS QUALIFICATIONS

Firm Name	<i>Meyer Engineers, Ltd.</i>	Firm Role	<i>Prime</i>
Project Title	<i>Hero Canal to Oakville Pump Station</i>		
Project Key Number	<i>2</i>	Project Location	<i>Plaquemines Parish</i>
Project Owner	<i>USACE New Orleans District</i>	Owner's Point of Contact	<i>Mr. Geoff Laird/Mr. Glen Gremillion</i>
Owner' Address	<i>P.O. Box 60267 New Orleans, LA 70160</i>	Phone Number	<i>504-862-1067</i>
		Email Address	<i>Geoffrey.A.Laird@mvn02.usace.army.mil</i>
Services Completed	<i>2012</i>	Professional Services Fee	<i>\$1.5M</i>
Construction Completed	<i>2012</i>	Total Construction Cost	<i>\$26.5M</i>

Brief Description of Project and Relevance to This Discipline

Meyer Engineers, Ltd. (MBJV) completed construction management and quality assurance oversight on the ***\$26.5M*** Hero Canal to Oakville Pump Station project.

Work included ***pump station construction*** and a stop-log closure structure. The ***pump station*** included two 35 CFS submersible ***pumps*** and discharge piping. The navigational stop-log structure includes a reinforced concrete 56' bulkhead closure structure, bulkhead closure gates (2); a bulkhead storage platform for the housing of the bulkhead gates; and a hydraulic pedestal-mounted crane and crane platform.

Also included on the project are a new earthen levee, reinforced concrete T-walls, access road, turnaround and parking; access ramp to the generator, a pre-fabricated precast Motor Control Center Building (designed for 140 mph wind load) on a reinforced concrete platform, marine traffic guidewalls and impact dolphins.

Meyer provided construction management and quality assurance.



2.6 EXAMPLE PROJECTS ILLUSTRATING FIRMS QUALIFICATIONS

Firm Name	<i>Meyer Engineers, Ltd.</i>	Firm Role	<i>Prime</i>
Project Title	<i>Hackberry Pump Station</i>		
Project Key Number	<i>3</i>	Project Location	<i>St. Charles Parish</i>
Project Owner	<i>St. Charles Parish</i>	Owner's Point of Contact	<i>Mr. Lee Zeringue</i>
Owner' Address	<i>P.O. Box 705 Luling, LA 70070</i>	Phone Number	<i>504-783-5000</i>
		Email Address	<i>lzingue@stcharlesgov.net</i>
Services Completed	<i>2004</i>	Professional Services Fee	<i>\$68,000</i>
Construction Completed	<i>2005</i>	Total Construction Cost	<i>\$730,000</i>

Brief Description of Project and Relevance to This Discipline

The project consisted of replacing the existing 15 CFS Hackberry Drainage Pump Station with a 30 CFS ***drainage pump station*** and was designed in accordance with the 1995 Master Drainage Plan.

The ***drainage pump station*** included dual 15 CFS vertical, single sheet, axial flow propeller ***pumps***. 50 HP electrical motors are direct drive with backup generator. Also included was a cofferdam, bar screen with automatic rakes, hoist, and a 35' high pump station cover.

The site work included a 48" RCPA, a large intake grating structure, utility offsets and pavement repair.

HIGHLIGHTS

- 30 CFS Drainage Pump Station
- Pump Station Cover
- Drainage Improvements
- Bar Screens
- Automatic Trask Rakes



2.6 EXAMPLE PROJECTS ILLUSTRATING FIRMS QUALIFICATIONS

Firm Name	<i>Meyer Engineers, Ltd.</i>	Firm Role	<i>Prime</i>
Project Title	<i>Lafitte Pump Station</i>		
Project Key Number	<i>4</i>	Project Location	<i>Jefferson Parish</i>
Project Owner	<i>Town of Jean Lafitte</i>	Owner's Point of Contact	<i>Ms. Nicole Cooper</i>
Owner' Address	<i>2651 Jean Lafitte Boulevard Lafitte, LA 70067</i>	Phone Number	<i>504-689-2208</i>
		Email Address	<i>ncooper@townofjeanlafitte.com</i>
Services Completed	<i>2004</i>	Professional Services Fee	<i>\$95,000</i>
Construction Completed	<i>2005</i>	Total Construction Cost	<i>\$516,000</i>

Brief Description of Project and Relevance to This Discipline

Meyer Engineers, Ltd. completed the engineering design, construction administration and inspection of the Lafitte Drainage Pump Station. The project consisted of the construction of a ***12 CFS pump station*** in the Town of Jean Lafitte, Louisiana.

The ***pump station*** consisted of two (2) single stage 6 CFS vertical shaft propeller pumps placed in single caisson. An intake canal was constructed to bring storm water to the pump station. Fourteen-inch diameter discharge pipes were routed above the levee crown to the discharge basin. An 80 KVA generator was installed for backup power. An access road from Highway 45 to the pump station was also constructed. The project included design for the pump station, electrical service, levees, suction basin, new canals and steel sheeting.

Meyer completed hydraulic, hydrologic, and structural calculations, including sheet pile wall analysis, and coordinated with the pump supplier for selection of the most efficient pump.

Construction management services included interpretation of plans and specifications and observation of construction activities to confirm adherence to safety practices and monitor progress. Meyer also prepared real estate right-of-way drawings, conducted soil testing as part of a geotechnical analysis used to determine pile capacity, and performed a slope stability analysis for intake canal. A coffer dam analysis was conducted for the pump station construction, including a dewatering analysis. Meyer obtained all necessary USACE permitting required for construction of a pump station.

The completed pump station will allow the water to be transported to Bayou Barataria, thus alleviating the flooding in the area. This project demonstrates Meyer's technical expertise in civil and structural design and construction management. Specific relevance includes:

- ◆ Development of conceptual layout and plans for pump stations.
- ◆ Preparation of plans and specifications and complete design services for drainage pumping stations and canals.
- ◆ Coordination of plans, specifications, and overall design with the USACE New Orleans District.
- ◆ Quality/Peer Reviews of design, plans, specifications, and calculations.
- ◆ Preparation of right-of way drawings.

HIGHLIGHTS

- Drainage Pump Station
- Back Up Generator
- Vertical Shaft Propeller Pumps
- Intake Canal



2.6 EXAMPLE PROJECTS ILLUSTRATING FIRMS QUALIFICATIONS

Firm Name	<i>Meyer Engineers, Ltd.</i>	Firm Role	<i>Prime</i>
Project Title	<i>Cousins Pump Station</i>		
Project Key Number	<i>5</i>	Project Location	<i>St. Charles Parish</i>
Project Owner	<i>St. Charles Parish</i>	Owner's Point of Contact	<i>Mr. Lee Zeringue</i>
Owner' Address	<i>P.O. Box 705 Luling, LA 70070</i>	Phone Number	<i>504-783-5000</i>
		Email Address	<i>lzeringue@stcharlesgov.net</i>
Services Completed	<i>2015</i>	Professional Services Fee	<i>\$32,000</i>
Construction Completed	<i>2016</i>	Total Construction Cost	<i>\$250,000</i>

Brief Description of Project and Relevance to This Discipline

The project consisted of discharge pipe replacement at ***Cousins Pump Station***. Work included the following:

- ◆ Remove and replace 200 LF of 48" dia. x 3/8" w.t. steel discharge piping (for two (2) pumps) (includes coal tar epoxy coating, excludes any internal lining on steel piping).
- ◆ Existing pumps were shut down to install the discharge pipe flange connection at the bottom of the pumps.
- ◆ Existing pipe supports used to support pipes.
- ◆ Replacement of existing aggregate access road over discharge piping.
- ◆ Native earthen material free of roots and vegetation reused as suitable backfill.
- ◆ Temporary engineered bulkheads required in the discharge basin for discharge pipe installation.
- ◆ Unusable excavated materials to be hauled to offsite location.
- ◆ Flap gate at discharge pipes were installed.
- ◆ Anti-seepage rings on discharge pipe near pipe support installed to prevent washing out fill material.

HIGHLIGHTS

- Discharge Pipe Replacement
- Flap Gate at Discharge Pipes

Meyer Engineers, Ltd. prepared construction documents in accordance with St. Charles Parish Public Work's requirements and the scope of work described above.



2.1 DISCIPLINE CATEGORY

Discipline for which Firm is applying?	<i>Levees</i>
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2.2 SUBCONSULTANTS

Will you use Subconsultants for any Work associated with this Discipline?	YES	<i>X</i>
	NO	
Name of Subconsultant	Role of Subconsultant	
<i>Surveying & Geotechnical (As Needed)</i>		

2.3 KEY PERSONNEL PARTICIPATION IN EXAMPLE PROJECTS

NAME OF KEY PERSONNEL	ROLE IN THIS PROJECT	EXAMPLE PROJECTS FROM PROJECT KEY IN 2.4				
		1	2	3	4	5
<i>David H. Dupre, P.E.</i>	<i>Senior Civil Engineer</i>	<i>X</i>				
<i>Mark A. Schutt, P.E.</i>	<i>Civil Engineer</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	
<i>Eric Colwart, P.E.</i>	<i>Civil Engineer</i>	<i>X</i>				
<i>Kenneth Belou, P.E.</i>	<i>Civil Engineer</i>	<i>X</i>	<i>X</i>		<i>X</i>	

2.4 EXAMPLE PROJECTS KEY

No.	TITLE OF EXAMPLE PROJECT	No.	TITLE OF EXAMPLE PROJECT
1	<i>Crown Point Levee System</i>	4	<i>Lower Barataria Basin</i>
2	<i>Goose Bayou (Penn Levee) Basin</i>	5	
3	<i>Jones Point Levee Basin</i>		



2.5 RESUMES OF KEY PERSONNEL PROPOSED FOR THIS DISCIPLINE

Name	David H. Dupre, P.E.				
Firm Name	Meyer Engineers, Ltd.				
Discipline	Civil Engineer				
Role in Discipline	Senior Civil Engineer				
Years of Experience	Current Firm	32	Total		35
Education (Degree and Specialization)	B.S. Civil Engineering				
Current Professional Registration (State and Discipline)	PE/LA #23422/Civil Engineering				

Other Professional Qualifications (Publications, Training, Awards, etc.)

David H. Dupré has over thirty-five (35) years of experience in Civil and Structural Engineering, Project Management and Construction Management. Mr. Dupré is involved with all aspects of administering engineering projects for Meyer Engineers, Ltd. which include client contact, cost estimates, design plans and specification, construction administration, and preparation of reports. Mr. Dupre participates in most facets of Civil Engineering design including roads, bridges, drainage, sanitary sewer, water, and environmental. Mr. Dupre specializes in Project Management and Construction Management. Mr. Dupre is a board Member and former New Orleans Chapter President of American Council of Engineering Companies (ACEC). Mr. Dupre is also a member of SAME, ASCE, APWA, CMAA and LES.

Specific Experience Relative to Discipline

Crown Point Levee System, Jefferson Parish

Mr. Dupre is the Project Manager for the Crown Point Levee System. The project consists of design, permitting and construction administration of **levees, floodwalls and floodgates** around Crown Point, Louisiana. The flood system consists of approximately 23,000 linear feet of flood protection along Bayou Barataria, Bayou Des Families and LA Highway 3134. ***In addition, existing levees will be modified, widened and/or lifted.*** The estimated construction cost is \$21 Million.

Whitney-Barataria Pump Station, Jefferson Parish

Mr. Dupre was the Project Manager for the \$21.5M drainage improvement project on the Westbank of Jefferson Parish under the Southeast Louisiana (SELA) Flood Control Program. Mr. Dupre designed and managed construction of the new **3,000 cfs drainage pump station, flood control structures**, pre-stressed and post-tensioned concrete structures, **bulkheads**, dolphins, fenders, guide walls, jetties, highway work/roads, culverts and bridges, and associated buildings. Meyer provided site layout, real estate right-of-way, architectural treatments, soil borings and tests, pile capacity curves, soil pressure assessments, seepage and dewatering analysis, stability analysis, surveys, and aerial photographic coverage.

USACE Construction Management (2007-2013), Jefferson, Orleans, Plaquemines & St. Bernard Parishes

Mr. Dupre was the Project Manager for the Construction Management Contract to provide **100-year flood protection** for the Greater New Orleans Area. The scope of work included drainage improvements under the SELA Program. Project types include **earthen levees**, concrete I-walls, **concrete T-walls**, steel sheet pile, flood gates, **drainage pump stations**, revetments, stone repair, relief wells, drainage canals, concrete flumes, **dredging** and articulated concrete mattresses. The construction cost was \$2.6 Billion.

Mid-Barataria Sediment Diversion, Plaquemines Parish

Mr. Dupre is the Project Manager for the Mid-Barataria Sediment Diversion project which is one of the **largest sediment capture and transport projects** being undertaken under this aggressive program to **rebuild the coast**. The project is being done to identify opportunities for improvements in the sediment capture and transport capabilities, and opportunities for construction and lifecycle cost savings. Meyer's scope includes the development of lifecycle cost estimates prepared for each alternative screened. The project also includes the relocation of LA Highway 23 to accommodate the diversion complex. Work includes coordination with all team members and LADOTD. The estimated construction cost is \$23 Million.



2.5 RESUMES OF KEY PERSONNEL PROPOSED FOR THIS DISCIPLINE

Name	Mark A. Schutt, P.E.				
Firm Name	Meyer Engineers, Ltd.				
Discipline	Civil Engineer				
Role in Discipline	Civil Engineer				
Years of Experience	Current Firm	21	Total	23	
Education (Degree and Specialization)	M.S. Civil Engineering B.S. Civil Engineering				
Current Professional Registration (State and Discipline)	PE/LA #30528/Civil Engineering				

Other Professional Qualifications (Publications, Training, Awards, etc.)

Mark Schutt is a Project Manager with 23 years' experience providing civil engineering design services with a focus on civil site work, such as drainage and grading. He is a member of the Louisiana Engineer's Society, American Society of Civil Engineers, and the National Society of Professional Engineers.

Specific Experience Relative to Discipline

Crown Point Levee System, Jefferson Parish

Mr. Schutt is the Project Engineer for the Crown Point Levee System project which consists of design, permitting, and construction administration of **levees, floodwalls and floodgates** around Crown Point, Louisiana. The flood system consists of approximately 23,000 linear feet of flood protection along Bayou Barataria, Bayou Des Familles and LA Highway 3134. In addition, existing **levees will be modified, widened and/or lifted**. The estimated construction cost is \$21 Million.

Lower Barataria Basin, Jefferson Parish

Mr. Schutt is the Project Engineer for the design, permitting and construction administration of **levees, floodwalls, and floodgates** around Crown Point Louisiana. The project area encompasses approximately 300 acres of land with residential and commercial structures included. It will consist of 13,000 cubic yards of **earthen levee** and 18,800 linear feet of **steel sheet pile floodwalls**. The **flood protection sections** shall include T-walls, I-walls, floodgates and an earthen section. T-wall and I-wall sections include steel sheet pile walls. Mr. Schutt will prepare permits and coordinate with USACE, CPRA, OCEM, DEQ and DOTD. The estimated construction cost is \$52 Million.

Goose Bayou (Penn Levee) Basin, Jefferson Parish

Mr. Schutt is the Project Engineer for the design, permitting and construction administration of **levees, floodwalls and floodgates**. An earthen levee is already being construction along the eastern perimeter of the project (The Penn). A **steel sheet pile wall** will tie into this already constructed area and add levee protection along Goose Bayou, Reservior Canal and Bayou Barataria, creating a complete ring around 375 acres. The **flood protection sections** shall include T-walls, floodgates and earthen section. T-wall sections include steel sheet pile walls. Mr. Schutt will prepare permits and coordinate with USACE, CPRA, OCEM, DEQ and DOTD. The estimated construction cost is \$21 Million.

Harahan Master Drainage Plan, Jefferson Parish

Mr. Schutt assisted with the **master drainage plan** for the City of Harahan to develop a drainage basin model using the EPA SWMM 5.0 program. The purpose of this project was to present a long-term master plan which would identify and prioritize needed drainage improvements in the City. Meyer identified flood prone areas, analyzed the interior drainage system, and used EPA SWMM 5.0 to model the conditions. Meyer developed recommendations and exhibits reflecting the improvements to the drainage system, and prepared master drainage plans for the Town of Jean Lafitte and Westwego.

Jones Point Levee, Jefferson Parish

Mr. Schutt is the Project Engineer for the design, permitting and construction administration of **levees, floodwalls and floodgates** around Jones Point, Louisiana in Jefferson Parish. The **flood system** consists of approximately 37,600 linear feet of **flood protection** along Bayou Barataria, Bayou Villars and LA Highway 303. In addition, **existing levees will be modified, widened and/or lifted**. The **flood protection sections** shall include T-walls, floodgates and earthen section. T-wall sections include steel sheet pile walls. The estimated construction cost is \$19.2 Million.



2.5 RESUMES OF KEY PERSONNEL PROPOSED FOR THIS DISCIPLINE

Name	<i>Eric Colwart, P.E.</i>				
Firm Name	<i>Meyer Engineers, Ltd.</i>				
Discipline	<i>Civil Engineer</i>				
Role in Discipline	<i>Civil Engineer</i>				
Years of Experience	Current Firm	<i>14</i>	Total		<i>14</i>
Education (Degree and Specialization)	<i>B.S. Civil Engineering</i>				
Current Professional Registration (State and Discipline)	<i>PE/LA #36290/Civil Engineering</i>				

Other Professional Qualifications (Publications, Training, Awards, etc.)

Eric Colwart has over fourteen (14) years’ experience in Civil and Structural Engineering including client contact, cost estimates, design, construction administration, and preparation of reports, plans and specifications. Mr. Colwart specializes in structural engineering and city infrastructure projects. Structural engineering projects include analysis of existing structures and foundations, as well as design of concrete foundations and steel framing for new buildings and structures. City infrastructure projects include performing hydraulic analysis and geometric design for roadway and drainage projects. Mr. Colwart has designed projects in accordance with DOTD’s “Roadway Design Manual”, “Hydraulics Manual”, “Bridge Manual”, AASHTO’s “Green Book”, the “Louisiana Standard Specifications for Roads and Bridges”, “American Concrete Institute Standards” and the “AISC Manual of Steel Construction”. Mr. Colwart’s professional memberships include ASCE and SEI.

Specific Experience Relative to Discipline

Academy Park Green Infrastructure Drainage Upgrades, Orleans Parish

Mr. Colwart is assisting with the design for the Academy Park Green Infrastructure Drainage Upgrades project in New Orleans which aims to **reduce flood risk** through a combination of structural and non-structural interventions to more efficiently remove stormwater runoff from streets and properties. The project is located in Academy Park a 15-square block area bounded by Dwyer Road, Wilson Avenue, Dreux Avenue, and Chantilly Drive in the Plum Orchard neighborhood of New Orleans. The area is predominantly residential. The estimated construction cost is \$5.2 Million.

Trapp Canal Improvements, Jefferson Parish

Mr. Colwart assisted with the design for the Trapp Canal Improvements. The project consists of drainage improvements for 180’ wide **earthen canal section** with concrete slope paving for the Trapp Canal from Bayou Fatma to Bayou Barataria. The project includes installation of concrete paving at upper slopes of the trapezoidal canal section (approximately 7,600’ long) and placing riprap to lower the slopes of the canal. The project also included adjustment of several outfall culverts and bank stabilization for construction. The estimated construction cost is \$14.6 Million.

Oak Park Storm Water Management and Flood Mitigation, Orleans Parish

Mr. Colwart is the Project Engineer for the Oak Park Storm Water Management and Flood Mitigation project. This project will transform a cluster of five parcels on Perlita Street into a **storm water management area** that will **reduce the risk of flooding** in the Oak Park/Filmore neighborhoods. The primary goal of the project is to detain as much water as possible within this small site to reduce flooding on the neighborhood’s streets and properties to the greatest extent possible. Proposed green and gray infrastructure interventions include a subsurface, permeable water storage tank that allows for detention and infiltration; a bioswale planted with native plants; rain gardens; and potentially permeable sidewalk. The estimated construction cost is \$1.2 Million.

Gardere Canal (SELA), Jefferson Parish

Mr. Colwart assisted with Gardere Canal Improvements – Phase I and II – SELA Project. The two projects include 5,200 LF of **steel sheet pile wall section** with concrete bottom slab, 2,400 LF of concrete “U” channel and 900 LF of **earthen canal**. The project included preparation of a Preliminary Design Report which included right-of-way information, topographic survey and hydraulic calculations. Mr. Colwart assisted with structural calculations, and prepared plans and specifications in accordance with USACE format. The construction cost was \$20 Million.

Kenner LaBranche Wetland Assimilation, Jefferson Parish

Mr. Colwart assisted with the Kenner LaBranche **Wetland Assimilation** project which consisted of discharging treated sewer effluent from the Kenner Wastewater Treatment Plant into the LaBranche Wetlands. The project will serve three (3) main purposes: Dispose of sanitary sewerage overflow during wet weather events, reduce nutrients in treated effluent, and enhance restoration of the LaBranche Wetlands. The construction cost was \$5.1 Million.



2.5 RESUMES OF KEY PERSONNEL PROPOSED FOR THIS DISCIPLINE

Name	<i>Kenneth Belou, P.E.</i>				
Firm Name	<i>Meyer Engineers, Ltd.</i>				
Discipline	<i>Civil Engineer</i>				
Role in Discipline	<i>Civil Engineer</i>				
Years of Experience	Current Firm	<i>11</i>	Total		<i>11</i>
Education (Degree and Specialization)	<i>B.S. Civil Engineering</i>				
Current Professional Registration (State and Discipline)	<i>PE/LA #38850/Civil Engineering</i>				

Other Professional Qualifications (Publications, Training, Awards, etc.)

Mr. Belou performs civil engineering, construction administration and scheduling for the firm. This includes client contact, cost estimates, design, construction administration, preparation of reports, plans, and specifications. This also includes preparation of plan/profile sheets, preparation of as-builts, record drawings, updating facility plans, and CADD details. Mr. Belou is also proficient in Critical Path Method and Primavera Software. Mr. Belou is a member of the Louisiana Engineer's Society and the American Society of Civil Engineers.

Specific Experience Relative to Discipline

Lower Barataria Basin, Jefferson Parish

Mr. Belou is assisting with the design, permitting and construction administration of **levees, floodwalls, and floodgates** around Crown Point Louisiana. The project area encompasses approximately 300 acres of land with residential and commercial structures included. It will consist of 13,000 cubic yards of **earthen levee** and 18,800 linear feet of **steel sheet pile floodwalls**. The **flood protection sections** shall include T-walls, I-walls, floodgates and an earthen section. T-wall and I-wall sections include steel sheet pile walls. Mr. Belou will assist with permits and coordination with USACE, CPRA, OCEM, DEQ and DOTD. The estimated construction cost is \$52 Million.

Crown Point Levee System, Jefferson Parish

Mr. Belou is assisting with the design for the Crown Point Levee System. The project consists of design, permitting and construction administration of **levees, floodwalls and floodgates** around Crown Point, Louisiana. The **flood system** consists of approximately 23,000 linear feet of **flood protection** along Bayou Barataria, Bayou Des Families and LA Highway 3134. In addition, existing levees will be modified, widened and/or lifted. The estimated construction cost is \$21 Million.

Trapp Canal Improvements, Jefferson Parish

Mr. Belou is assisting with the design for the Trapp Canal Improvements. The project consists of drainage improvements for 180' wide **earthen canal section** with concrete slope paving for the Trapp Canal from Bayou Fatma to Bayou Barataria. The project includes installation of concrete paving at upper slopes of the trapezoidal canal section (approximately 7,600' long), and placing riprap to lower the slopes of the canal. The project also included adjustment of several outfall culverts and bank stabilization for construction. The estimated construction cost is \$14.6 Million.

Harahan Master Drainage Plan, Jefferson Parish

Mr. Belou assisted in preparing a master drainage plan for the City of Harahan developing a **drainage basin model** using the EPA SWMM 5.0 program. The purpose of this project was to present a long term master plan which would identify and prioritize needed drainage improvements in the City. Identified flood prone areas, analyzed the interior drainage system, and used EPA SWMM 5.0 to model the conditions. Developed recommendations and exhibits reflecting the improvements to the drainage system. Prepared master drainage plans for the Town of Jean Lafitte and Westwego.

Goose Bayou (Penn Levee) Basin, Jefferson Parish

Mr. Belou is assisting with the design, permitting and construction administration of **levees, floodwalls and floodgates**. An earthen levee is already being construction along the eastern perimeter of the project (The Penn). A **steel sheet pile wall** will tie into this already constructed area and add levee protection along Goose Bayou, Reservoir Canal and Bayou Barataria, creating a complete ring around 375 acres. The **flood protection sections** shall include T-walls, floodgates and earthen section. T-wall sections include steel sheet pile walls. Mr. Belou will assist with permits and coordination with USACE, CPRA, OCEM, DEQ and DOTD. The estimated construction cost is \$21 Million.



2.6 EXAMPLE PROJECTS ILLUSTRATING FIRMS QUALIFICATIONS

Firm Name	<i>Meyer Engineers, Ltd.</i>	Firm Role	<i>Prime</i>
Project Title	<i>Crown Point Levee System</i>		
Project Key Number	<i>1</i>	Project Location	<i>Jefferson Parish</i>
Project Owner	<i>Town of Jean Lafitte</i>	Owner's Point of Contact	<i>Ms. Nicole Cooper</i>
Owner' Address	<i>2654 Jean Lafitte Blvd., Lafitte, LA 70067</i>	Phone Number	<i>504-689-7801</i>
		Email Address	<i>ncooper@townofjeanlafitte.com</i>
Services Completed	<i>On-Going</i>	Professional Services Fee	<i>\$2.1M</i>
Construction Completed	<i>TBD</i>	Total Construction Cost	<i>\$22.3M</i>

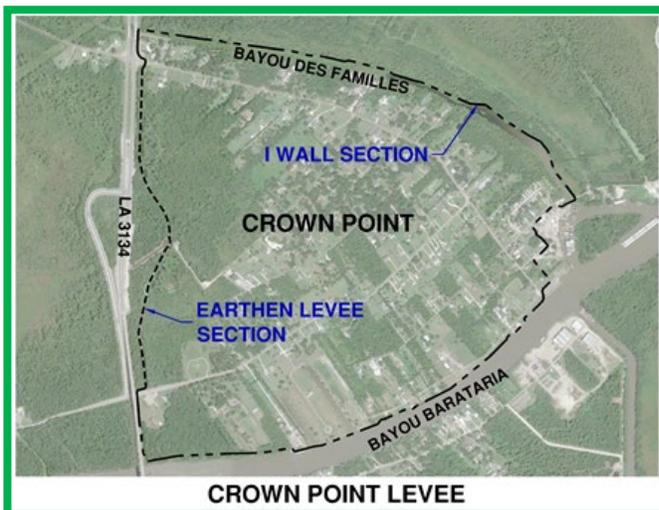
Brief Description of Project and Relevance to This Discipline

The Crown Point Levee System project consists of design, permitting and construction administration of ***levees, floodwalls and floodgates around Crown Point, Louisiana***. The flood system consists of approximately 23,000 linear feet of flood protection along Bayou Barataria, Bayou Des Familles and LA Highway 3134. In addition, ***existing levees will be modified, widened and/or lifted***. The scope of services includes ***hydraulic studies, detailed scoping, technical reports and presentations, Preliminary Design, Final Design, Permitting, Bidding, and Construction Administration***.

HIGHLIGHTS

- ***Geotechnical Engineering***
- ***Design of Levee System***
- ***Program Management***
- ***Hydraulic Studies, Technical Reports and Presentations***
- ***Permits, coordination with USACE, CPRA, OCM, DEQ, NPS and DOTD.***

The Evaluation/Report and Preliminary Design Phase consists of plan-in-hand on-site inspections of existing drainage and flood protection system. The project team has determined preliminary locations for route alignment and how it impacts the procurement of Lands, Easements, Rights-of-Way, Relocations and Disposals (LERRD) and determined if storm water drain discharge system upgrades are necessary. These flood protection sections include T-walls, I-walls, floodgates and an earthen section. ***T-wall and I-wall sections include steel sheet pile walls***. Work includes soil borings, soil testing, pile capacity curves, soil pressures, bearing capacity analysis, floodwall analysis, settlement projections, seepage analysis, and down drag. This phase includes a series of public meetings held in order to obtain public input and approval by the Lafitte Levee District, U.S. Army Corps of Engineers (USACE), National Park Service (NPS) and Jefferson Parish. Upon approval, Rights-of-Way maps for land acquisition will be prepared.



The Final Design Phase includes developing plans and specifications along with ***permitting*** in order to publicly advertise and bid the project to construct the flood protection system. Permitting includes coordination with USACE, Louisiana Department of Natural Resources Office of Coastal Management (OCM), Louisiana Department of Environmental Quality (DEQ), Coastal Protection and Restoration Authority (CPRA), National Park Service (NPS) and Louisiana Department of Transportation and Development (DOTD). ***Meyer Engineers, Ltd. will assist the owner in Bidding, and provide Construction Administration and Resident Inspection of the project.***



2.6 EXAMPLE PROJECTS ILLUSTRATING FIRMS QUALIFICATIONS

Firm Name	<i>Meyer Engineers, Ltd.</i>	Firm Role	<i>Subconsultant</i>
Project Title	<i>Goose Bayou (Penn Levee) Basin</i>		
Project Key Number	<i>2</i>	Project Location	<i>Jefferson Parish</i>
Project Owner	<i>Town of Jean Lafitte (sub to APTIM)</i>	Owner's Point of Contact	<i>Ms. Nicole Cooper</i>
Owner' Address	<i>2654 Jean Lafitte Blvd., Lafitte, LA 70067</i>	Phone Number	<i>504-689-7801</i>
		Email Address	<i>ncooper@townofjeanlafitte.com</i>
Services Completed	<i>On-Going</i>	Professional Services Fee	<i>\$262,000</i>
Construction Completed	<i>TBD</i>	Total Construction Cost	<i>\$21M</i>

Brief Description of Project and Relevance to This Discipline

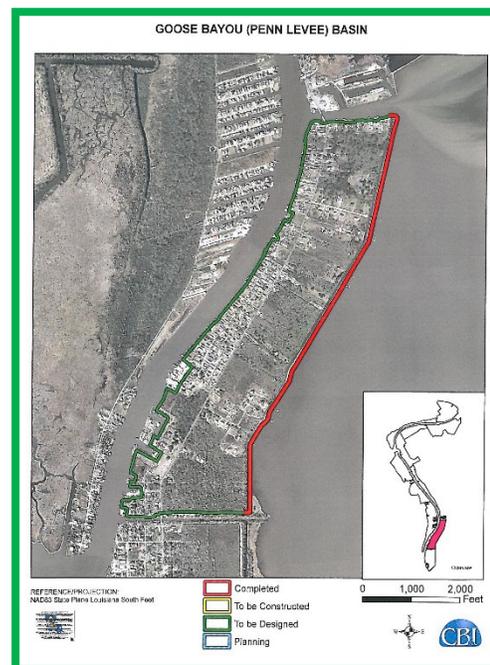
The Goose Bayou Basin project consists of design, permitting and construction administration of **levees, floodwalls and floodgates**. An earthen levee has already been constructed along the eastern perimeter of the project (The Penn). A steel sheet pile wall will tie into this already constructed area and add levee protection along Goose Bayou, Reservoir Canal and Bayou Barataria, creating a complete ring around 375 acres. The scope of services includes **hydraulic studies**, detailed scoping, technical reports and presentations, **Preliminary Design, Final Design, Permitting**, Bidding, and **Construction Administration**.

The Preliminary Design Phase consists of plan-in-hand on-site inspections of existing drainage and flood protection system. The project team has determined preliminary locations for route alignment and how it impacts the procurement of Lands, Easements, Rights-of-Way, Relocations and Disposals (LERRD) and determined if storm water drain discharge system upgrades are necessary. These flood protection sections include T-walls, floodgates and an earthen section. **T-wall sections include steel sheet pile walls**. Work includes soil borings, soil testing, pile capacity curves, soil pressures, bearing capacity analysis, floodwall analysis, settlement projections, seepage analysis, and down drag. This phase includes a series of public meetings held in order to obtain public input and approval by the Lafitte Levee District, U.S. Army Corps of Engineers (USACE), National Park Service (NPS) and Jefferson Parish. Upon approval, Rights-of-Way maps for land acquisition will be prepared.

The Final Design Phase includes developing plans and specifications along with **permitting** in order to publicly advertise and bid the project to construct the flood protection system. Permitting includes coordination with USACE, Louisiana Department of Natural Resources Office of Coastal Management (OCM), Louisiana Department of Environmental Quality (DEQ), Coastal Protection and Restoration Authority (CPRA), National Park Service (NPS) and Louisiana Department of Transportation and Development (DOTD). **Meyer Engineers, Ltd. will assist the Prime Consultant and Owner in Bidding and provide Construction Administration and Resident Inspection of the project.**

HIGHLIGHTS

- ***Geotechnical Engineering***
- ***Design of Levee System***
- ***Assist with Program Management***
- ***Assist with Hydraulic Studies, Technical Reports and Presentations***
- ***Assist with Permits and Coordination with USACE, CPRA, OCM, DEQ, NPS and DOTD***



2.6 EXAMPLE PROJECTS ILLUSTRATING FIRMS QUALIFICATIONS

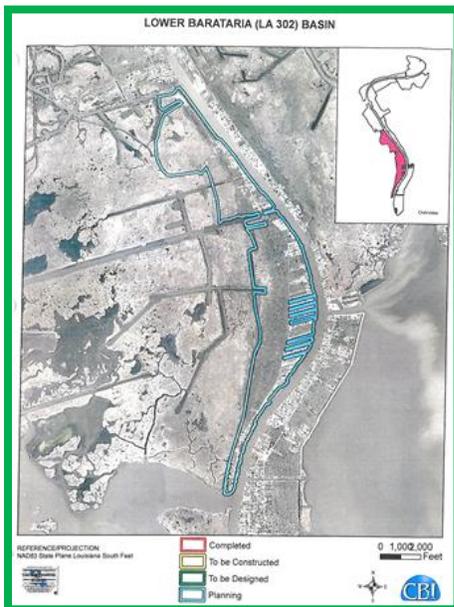
Firm Name	Meyer Engineers, Ltd.	Firm Role	Subconsultant
Project Title	Lower Barataria Basin		
Project Key Number	3	Project Location	Jefferson Parish
Project Owner	Town of Jean Lafitte (sub to APTIM)	Owner's Point of Contact	Ms. Nicole Cooper
Owner' Address	2654 Jean Lafitte Blvd., Lafitte, LA 70067	Phone Number	504-689-7801
		Email Address	ncooper@townofjeanlafitte.com
Services Completed	On-Going	Professional Services Fee	\$297,000
Construction Completed	TBD	Total Construction Cost	\$52M

Brief Description of Project and Relevance to This Discipline

The Lower Barataria Basin project consists of design, permitting and construction administration of **levees, floodwalls and floodgates around Crown Point, Louisiana**. The project area encompasses approximately 300 acres of land with residential and commercial structures included. The project area is bounded on the north by the southern bank line of Paillet Canal; west by the western bank line of Bayou Barataria; south by the northwestern bank line of Bayou Rigolettes, and west by the existing levee/spoil bank system. It will consist of 13,000 cubic yards of earthen levee and 18,800 linear feet of steel sheet pile floodwalls. The scope of services includes **hydraulic studies**, detailed scoping, technical reports and presentations, **Preliminary Design, Final Design, Permitting**, Bidding, and **Construction Administration**.

HIGHLIGHTS

- **Geotechnical Engineering**
- **Design of Levee System**
- **Program Management**
- **Hydraulic Studies, Technical Reports and Presentations**
- **Assist with Permits and Coordination with USACE, CPRA, OCM, DEQ, and DOTD.**



The Preliminary Design Phase consists of plan-in-hand on-site inspections of existing drainage and flood protection system. The project team is determining preliminary locations for route alignment and how it impacts the procurement of Lands, Easements, Rights-of-Way, Relocations and Disposals (LERRD) and determining if storm water drain discharge system upgrades are necessary. These flood protection sections include T-walls, I-walls, floodgates and an earthen section. **T-wall and I-wall sections include steel sheet pile walls**. Work includes soil borings, soil testing, pile capacity curves, soil pressures, bearing capacity analysis, floodwall analysis, settlement projections, seepage analysis, and down drag. This phase includes a series of public meetings held in order to obtain public input and approval by the Lafitte Levee District, U.S. Army Corps of Engineers (USACE), and Jefferson Parish. Upon approval, Rights-of-Way maps for land acquisition will be prepared.

The Final Design Phase includes developing plans and specifications along with **permitting** in order to publicly advertise and bid the project to construct the flood protection system. Permitting includes coordination with USACE, Louisiana Department of Natural Resources Office of Coastal Management (OCM), Louisiana

Department of Environmental Quality (DEQ), Coastal Protection and Restoration Authority (CPRA) and Louisiana Department of Transportation and Development (DOTD). **Meyer Engineers, Ltd. will assist the Prime Consultant and Owner in Bidding and provide Construction Administration.**



Meyer Engineers, Ltd.
Engineers & Architects

2.6 EXAMPLE PROJECTS ILLUSTRATING FIRMS QUALIFICATIONS

Firm Name	<i>Meyer Engineers, Ltd.</i>	Firm Role	<i>Prime</i>
Project Title	<i>Jones Point Levee Basin</i>		
Project Key Number	<i>4</i>	Project Location	<i>Jefferson Parish</i>
Project Owner	<i>Town of Jean Lafitte</i>	Owner's Point of Contact	<i>Ms. Nicole Cooper</i>
Owner' Address	<i>2654 Jean Lafitte Blvd., Lafitte, LA 70067</i>	Phone Number	<i>504-689-7801</i>
		Email Address	<i>ncooper@townofjeanlafitte.com</i>
Services Completed	<i>On-Going</i>	Professional Services Fee	<i>\$1.5M</i>
Construction Completed	<i>TBD</i>	Total Construction Cost	<i>\$19.2M</i>

Brief Description of Project and Relevance to This Discipline

The Jones Point Levee Basin project consists of design, permitting and construction administration of ***levees, floodwalls and floodgates around Jones Point, Louisiana*** in Jefferson Parish. The flood system consists of approximately 37,600 linear feet of flood protection along Bayou Baratavia, Bayou Villars and LA Highway 303. In addition, ***existing levees will be modified, widened and/or lifted***. The scope of services includes ***hydraulic studies***, detailed scoping, technical reports and presentations, ***Preliminary Design, Final Design, Permitting***, Bidding, and ***Construction Administration***.

HIGHLIGHTS

- ***Design of Levee System***
- ***Program Management***
- ***Hydraulic Studies, Technical Reports and Presentations***
- ***Permits, coordination with USACE, CPRA, OCM, DEQ, NPS and DOTD.***



The Evaluation/Report and Preliminary Design Phase consists of plan-in-hand on-site inspections of existing drainage and flood protection system. The project team will determine preliminary locations for route alignment and how it impacts the procurement of Lands, Easements, Rights-of-Way, Relocations and Disposals (LERRD) and determine if storm water drain discharge system upgrades are necessary. The flood protection sections will include T-walls, floodgates and earthen sections. ***T-wall sections will include steel sheet pile walls***. Work includes soil borings, soil testing, pile capacity curves, soil pressures, bearing capacity analysis, floodwall analysis, settlement projections, seepage analysis,

and down drag. This phase includes a series of public meetings held in order to obtain public input and approval by the Lafitte Levee District, U.S. Army Corps of Engineers (USACE), National Park Services (NPS) and Jefferson Parish. Upon approval, Rights-of-Way maps for land acquisition will be prepared.

The Final Design Phase includes developing plans and specifications along with ***permitting*** in order to publicly advertise and bid the project to construct the flood protection system. Permitting includes coordination with USACE, Louisiana Department of Natural Resources Office of Coastal Management (OCM), Louisiana Department of Environmental Quality (DEQ), Coastal Protection and Restoration Authority (CPRA), National Park Service (NPS) and Louisiana Department of Transportation and Development (DOTD). ***Meyer Engineers, Ltd. will assist the owner in Bidding, and provide Construction Administration and Resident Inspection of the project.***



2.1 DISCIPLINE CATEGORY

Discipline for which Firm is applying?	<i>Potable Water</i>
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2.2 SUBCONSULTANTS

Will you use Subconsultants for any Work associated with this Discipline?	YES	X
	NO	
Name of Subconsultant	Role of Subconsultant	
<i>Surveying & Geotechnical (As Needed)</i>		

2.3 KEY PERSONNEL PARTICIPATION IN EXAMPLE PROJECTS

NAME OF KEY PERSONNEL	ROLE IN THIS PROJECT	EXAMPLE PROJECTS FROM PROJECT KEY IN 2.4				
		1	2	3	4	5
<i>Donovan P. Duffy, P.E.</i>	<i>Civil Engineer</i>					X
<i>Jitendra C. Shah, P.E.</i>	<i>Civil Engineer</i>			X		
<i>Eric Colwart, P.E.</i>	<i>Civil Engineer</i>	X	X			
<i>Robert Klare, P.E.</i>	<i>Civil Engineer</i>					

2.4 EXAMPLE PROJECTS KEY

No.	TITLE OF EXAMPLE PROJECT	No.	TITLE OF EXAMPLE PROJECT
1	<i>Water Line Replacement New Orleans Sewerage and Water Board</i>	4	<i>Broadmoor & Freret WLRP Transmission Mains</i>
2	<i>Westwego Water Infrastructure Project</i>	5	<i>Covington – S. Harrison Street Water Line Extension</i>
3	<i>St. Bernard Potable Water Distribution System</i>		



2.5 RESUMES OF KEY PERSONNEL PROPOSED FOR THIS DISCIPLINE

Name	Donovan P. Duffy, P.E.				
Firm Name	Meyer Engineers, Ltd.				
Discipline	Civil Engineer				
Role in Discipline	Civil Engineer				
Years of Experience	Current Firm	1	Total	4	
Education (Degree and Specialization)	B.S. Civil Engineering				
Current Professional Registration (State and Discipline)	PE/LA #41844/Civil Engineering				

Other Professional Qualifications (Publications, Training, Awards, etc.)

Mr. Donovan Duffy has over five (5) years of experience in Civil and Structural Engineering and Construction Management. Mr. Duffy has extensive experience leading design and construction administration operations within a diverse range of industries and government entities. Mr. Duffy specializes in water management and drainage design, including hydraulic impact analysis. Mr. Duffy is also involved in many fields of civil engineering design including roads, drainage, sanitary sewer: collection, lift stations, force mains and treatment systems, water treatment and distribution networks, environmental and recreation. Mr. Duffy’s experience in construction administration includes coordination with contractors and clients; organization, oversight, and record-keeping of pre-construction and construction progress meetings; shop drawing review; evaluation of change orders and pay requests; and various other construction coordination responsibilities. Mr. Duffy has designed projects in accordance with DOTD’s “Roadway Design Manual”, “Hydraulics Manual”, “Bridge Manual”, AASHTO’s “Green Book”, the “Louisiana Standard Specifications for Roads and Bridges”, “American Concrete Institute Standards”, “Recommended Standards for Wastewater Facilities (Ten States Standards)” and the “AISC Manual of Steel Construction”.

Specific Experience Relative to Discipline

Covington – S. Harrison Street Waterline Extension, St. Tammany Parish

Mr. Duffy is the Project Engineer for a new 1,700’ 12” *waterline extension* on South Harrison Street from West 15th to West 11th Street (St. Tammany Parish Hospital). The S. Harrison Street Waterline Extension will be funded through a CEA between the City of Covington and St. Tammany Parish Hospital with an estimated construction cost of \$420,000.

Upgrade to Bernhardt Pump Station and Force Main Additions, Town of Addis

Mr. Duffy was the Project Engineer for this project. He was responsible for the design, drawings, specifications and consultant coordination. Mr. Duffy assisted the Town in obtaining a \$2,500,000 loan through the LDEQ CWSRF loan program. The project consisted of a new wet well, piping and pumps to be installed at an existing sewer lift station. In addition to the pump station rehabilitation, two new sewer force mains were added, which included a railroad and state highway crossing.

Upgrades to Anna and Ama Pump Stations, St. Charles Parish

Mr. Duffy assisted with the design of the rehabilitation to Anna and Ama pump stations in St. Charles Parish. Funding for this project was provided through the LDEQ CWSRF loan program. Mr. Duffy was responsible for the design, permitting and specifications for this project. The project included the abandonment of Ama pump station and refurbishment of Anna pump station. As with most pump station rehabilitation projects, design considerations had to be included to allow for the sewer system to continue working throughout the entirety of construction. Mr. Duffy also provided the client with savings on the project by reusing the pumps from Ama pump station.

Pearl River Sewer Treatment Facility, Town of Pearl River

Mr. Duffy assisted with the design for the Town of Pearl River’s Sewer Treatment Facility. This project included the installation of a two million gallon-per-day (MGD) sewer treatment plant, and the refurbishment of the existing 1.5 MGD sewer treatment facility. Mr. Duffy was responsible for the structural design of steel walkways and equipment skids, as well as the 60’x100’ concrete foundation for the new sewer plant.

Louisiana’s Department of Environmental Quality (LDEQ) Clean Water State Revolving Fund (CWSRF)

Meyer has experience with the LDEQ CWSRF and has a full understanding of the loan requirements. Mr. Duffy has been the Lead Project Engineer on six projects that have used funds from the LDEQ CWSRF in the past three years. Mr. Duffy was hired to assist St. Charles Parish, the Town of Pearl River, and the Town of Addis in obtaining approximately \$12,000,000 from the CWSRF for the necessary improvements to their wastewater systems. Throughout the application process, Mr. Duffy was responsible for compiling all required forms, creating project schedules and cost estimates, and providing all required right-of-way’s and categorical exclusion documentation. In addition to the loan applications and requirements, Mr. Duffy assisted the Town of Addis in creating a rate schedule to implement throughout the town, which allowed for them to meet the required debt-service coverage ratio. Mr. Duffy was the lead engineer on the following types of projects using CWSRF funds are sanitary sewer collection system rehabilitation, pump station rehabilitations, sewer treatment plant addition and rehabilitation, and sewer force main additions. Meyer Engineers understands all aspects of the loan requirements including original loan application process, design, permitting and construction. We understand the importance of following all EPA, DHH and DEQ requirements.



2.5 RESUMES OF KEY PERSONNEL PROPOSED FOR THIS DISCIPLINE

Name	<i>Jitendra C. Shah, P.E.</i>				
Firm Name	<i>Meyer Engineers, Ltd.</i>				
Discipline	<i>Civil Engineer</i>				
Role in Discipline	<i>Structural Engineer</i>				
Years of Experience	Current Firm	36	Total	47	
Education (Degree and Specialization)	<i>B.S. Civil Engineering</i>				
Current Professional Registration (State and Discipline)	<i>PE/LA #19551/Civil Engineering</i>				
Other Professional Qualifications (Publications, Training, Awards, etc.)					
<p>Jitendra C. Shah has over forty-seven (47) years of Civil Engineering experience and is involved in all aspects of administering engineering projects for Meyer Engineers, Ltd. which include client contact, cost estimates, design, construction administration, contract closeout, and preparation of reports and plans and specifications. Mr. Shah participates in most facets of Civil Engineering Design including structural, drainage, sanitary and storm sewerage, water, roads and bridges, water and sewerage treatment plants, green infrastructure, drainage and sewerage pump stations, and airport designs. As Vice President, Mr. Shah is responsible for Quality Control Peer Review for Meyer’s engineering projects and has managed projects in excess of \$50 Million. Mr. Shah has completed many significant street, drainage and wastewater projects for N.O. Department of Public Works, N.O. Sewerage & Water Board, LA DOTD, Jefferson Parish, and other municipalities in the Metropolitan area. Mr. Shah’s professional affiliations include membership in American Society of Civil Engineers (ASCE), Associate Member of the Institute of Transportation Engineers (ITE), Society of American Military Engineers (SAME), and American Concrete Institute (ACI).</p>					
Specific Experience Relative to Discipline					
<u><i>N.O. Waterline Replacement, Orleans Parish</i></u>					
<p>Mr. Shah is the Project Engineer for the design for <i>water line replacement</i> for the following neighborhoods in Orleans Parish: Ninth Ward, Broadmoor, Lower Ninth Ward (North), and Lower Ninth Ward (South). The work includes replacing existing 4” and 6” C.I. pipes with 8” C-900 PVC pipes and 12” C.I. pipe with 12” C-900 PVC pipe. The fire hydrants, valves and water house connections shall be replaced in accordance with Sewerage and Water Board requirements. Construction documents will be designed and drafted in accordance with Sewerage and Water Board requirements. Included in the scope of work is coordination with the City of New Orleans Department of Public Works Consultants for Street Repair/Replacement. Construction of underground and above ground infrastructure shall be completed within the same bid documents. Mr. Shah is coordinating with the Department of Public Works, Sewerage & Water Board, and FEMA.</p>					
<u><i>Westwego Water Facilities, Jefferson Parish</i></u>					
<p>Mr. Shah was the Project Manager for the City of Westwego on a grant from the Louisiana Office of Community Development – Disaster Recovery Unit, through the Jefferson Parish Office of Community Development for the design of demolition of an existing water storage tank; removing existing transfer pump; installation of <i>new 1 MGD water tank</i>; installation of two (2) new transfer pumps including modifications to existing clear well and adding hoist; and modification to existing piping to accommodate new tank and new transfer pump. This project was categorized as “Economic Revitalization” under the CDBG-Disaster Recovery guidelines.</p>					
<u><i>Jefferson Parish Waterline Canal Crossings, Jefferson Parish</i></u>					
<p>Mr. Shah was the Project Engineer for the Jefferson Parish Waterline Canal Crossings project. The project consisted of the repair/replacement of existing <i>waterline canal crossings</i> in Jefferson Parish. Prior to design, Mr. Shah met with Jefferson Parish Water Department Representatives to evaluate the damaged waterline canal crossings. Recommendations were provided for repair/replacement of each crossing. Upon completion of evaluation/damage assessment phase, Mr. Shah prepared construction documents for public advertising and bidding based on their evaluation and approved recommendations. Waterline crossings were designed using Jefferson Parish water requirements and standards. The construction cost was \$830,000.</p>					



2.5 RESUMES OF KEY PERSONNEL PROPOSED FOR THIS DISCIPLINE

Name	<i>Eric Colwart, P.E.</i>				
Firm Name	<i>Meyer Engineers, Ltd.</i>				
Discipline	<i>Civil Engineer</i>				
Role in Discipline	<i>Civil Engineer</i>				
Years of Experience	Current Firm	<i>14</i>	Total	<i>14</i>	
Education (Degree and Specialization)	<i>B.S. Civil Engineering</i>				
Current Professional Registration (State and Discipline)	<i>PE/LA #36290/Civil Engineering</i>				
Other Professional Qualifications (Publications, Training, Awards, etc.)					
<p>Eric Colwart has over eleven (11) years' experience in Civil and Structural Engineering including client contact, cost estimates, design, construction administration, and preparation of reports, plans and specifications. Mr. Colwart specializes in structural engineering and city infrastructure projects. Structural engineering projects include analysis of existing structures and foundations, as well as design of concrete foundations and steel framing for new buildings and structures. City infrastructure projects include performing hydraulic analysis and geometric design for roadway and drainage projects. Mr. Colwart has designed projects in accordance with DOTD's "Roadway Design Manual", "Hydraulics Manual", "Bridge Manual", AASHTO's "Green Book", the "Louisiana Standard Specifications for Roads and Bridges", "American Concrete Institute Standards" and the "AISC Manual of Steel Construction". Mr. Colwart's professional memberships include ASCE and SEI.</p>					
Specific Experience Relative to Discipline					
<p><u><i>N.O. Waterline Replacement, Orleans Parish</i></u></p> <p>Eric Colwart is assisting with the design for <i>water line replacement</i> for the following neighborhoods in Orleans Parish: Ninth Ward, Broadmoor, Lower Ninth Ward (North), and Lower Ninth Ward (South). The work includes replacing existing 4" and 6" C.I. pipes with 8" C-900 PVC pipes and 12" C.I. pipe with 12" C-900 PVC pipe. The fire hydrants, valves and <i>water house connections</i> shall be replaced in accordance with Sewerage and Water Board requirements. Construction documents will be designed and drafted in accordance with Sewerage and Water Board requirements. Included in the scope of work is coordination with the City of New Orleans Department of Public Works Consultants for Street Repair/Replacement. Construction of underground and above ground infrastructure shall be completed within the same bid documents.</p>					
<p><u><i>Westwego Water Facilities, Jefferson Parish</i></u></p> <p>Eric Colwart assisted with the design for the City of Westwego on a grant from the Louisiana Office of Community Development – Disaster Recovery Unit, through the Jefferson Parish Office of Community Development for the design of demolition of an existing water storage tank; removing existing transfer pump; installation of <i>new 1 MGD water tank</i>; installation of two (2) new transfer pumps including modifications to existing clear well and adding hoist; and modification to existing piping to accommodate new tank and new transfer pump. This project is categorized as "Economic Revitalization" under the CDBG-Disaster Recovery guidelines.</p>					
<p><u><i>Jefferson Parish Waterline Canal Crossings, Jefferson Parish</i></u></p> <p>Eric Colwart is assisting with the design for the Jefferson Parish Waterline Canal Crossings project. The project consisted of the repair/replacement of existing <i>waterline canal crossings</i> in Jefferson Parish. Prior to design, Mr. Shah met with Jefferson Parish Water Department Representatives to evaluate the damaged waterline canal crossings. Recommendations were provided for repair/replacement of each crossing. Upon completion of evaluation/damage assessment phase, Waterline crossings were designed using Jefferson Parish water requirements and standards. The construction cost was \$830,000.</p>					



2.5 RESUMES OF KEY PERSONNEL PROPOSED FOR THIS DISCIPLINE

Name	Robert Klare, P.E.				
Firm Name	Meyer Engineers, Ltd.				
Discipline	Civil Engineer				
Role in Discipline	Civil Engineer				
Years of Experience	Current Firm	6	Total	6	
Education (Degree and Specialization)	B.S. Civil Engineering				
Current Professional Registration (State and Discipline)	PE/LA #42991/Civil Engineering				
Other Professional Qualifications (Publications, Training, Awards, etc.)					
<p>Robert Klare has six (6) years of engineering experience with Meyer Engineers, Ltd. Mr. Klare is proficient in various computer programs and has experience in document management for all project phases, creating and modifying drawings, and collaborating with engineers to ensure adherence to specifications and standards.</p>					
Specific Experience Relative to Discipline					
<p><u>Water Line Replacement New Orleans Sewerage & Water Board, Orleans Parish</u> Mr. Klare assisted with the design of water line replacement for the following neighborhoods in Orleans Parish: Ninth Ward, Broadmoor, Lower Ninth Ward (North), and Lower Ninth Ward (South). The work included replacing existing 4” and 6” C.I. pipes with 8” C-900 PVC pipes and 12” C.I. pipe with 12” C-900 PVC pipe. The fire hydrants, valves and water house connections were replaced in accordance with Serage and Water Board requirements. The construction cost was \$9M.</p>					
<p><u>State Project No. H.010184: LA 59: Curve Realign and Tunnel at Trace, St. Tammany Parish</u> Mr. Klare assisted with the design for the LA 59: Curve Realign and Tunnel at Trace project. Improvements include flattening the radius of LA 59 at the existing dangerous “S” curve as the road crosses the trace, and construction of a pedestrian tunnel under LA 59. The tunnel consists of a 14’ x 10’ box culvert with u-shaped approach ramps. Other road improvements include drainage improvements, utility relocations, and raising the grade of the road two feet under the tunnel. The estimated construction cost is \$3.5 Million.</p>					
<p><u>18th Street/Edenborn Avenue Drainage Improvements, Jefferson Parish</u> Mr. Klare assisted with the design on 18th Street and Edenborn Avenue. The project limits were along 18th Street between Division Street and N. Arnoult Road and along Edenborn Avenue between 18th Street and W. Esplanade Canal in the heart of the Metairie Central Business District (formerly Fat City). The project consisted of splitting/diverting storm water from the Veterans Blvd. Canal No. 3 to W. Esplanade Canal No. 2. Approximately 1,300’ of subsurface drainage was installed along 18th Street and in a future phase approximately 2,200’ of subsurface drainage along Edenborn Avenue will be upgraded. In addition to the storm water improvements, the existing 18th Street concrete roadway was completely replaced along with decorative stamp colored sidewalks for pedestrian use. Phase 2 of the project included 72-inch and 84-inch reinforced concrete arch pipes which were installed along Edenborn Avenue toward the West Esplanade Canal No. 2 to relieve the severely undersized outfall pipes presently utilized to drain 18th street corridor. Also utilized as an enhanced environmentally friendly construction procedure is pervious concrete sidewalk to manage runoff. Part of the design consisted of replacement of the water and sewer lines while maintaining service of the existing utilities. Overhead telephone and cable lines were buried underground and new taller steel poles were erected for the overhead electrical power lines. Pedestrian lights were constructed. The construction cost of both Phases was \$7 Million.</p>					
<p><u>S. Galvez Street (Toledano Street to Martin Luther King Boulevard), Orleans Parish</u> Mr. Klare assisted with the design for the reconstruction of S. Galvez Street from Toledano Street to Martin Luther King Boulevard (approximately 1,800 feet). Construction of the concrete roadway included two 12-foot-wide traveling lanes and 8’ parking lane in each direction separated by a 30-foot-wide median. Additional features include curbs, new traffic signals, subsurface drainage, water line, sewer line, and street lighting replacement. The subsurface drainage system was upgraded to 10-year storm design criteria. The water line was upgraded to 8” water line for the entire length of the project. The construction cost was \$5.3 Million.</p>					
<p><u>Lafitte Drainage Improvement Program, Jefferson Parish</u> Mr. Klare assisted with the drafting for the Lafitte Drainage Improvement Program. The project included the installation of more than 30,000 linear feet of subsurface drainage on 27 different streets throughout the Town of Jean Lafitte and surrounding areas to improve the drainage conveyance to the existing pump stations. Tasks included providing environmental clearance, completing DOTD utility permits, and design. The program was divided in phases and projects. Mr. Klare assisted in the design of two (2) Bid Packages. The construction cost was \$6.7 Million.</p>					



2.6 EXAMPLE PROJECTS ILLUSTRATING FIRMS QUALIFICATIONS

Firm Name	<i>Meyer Engineers, Ltd.</i>	Firm Role	<i>Prime</i>
Project Title	<i>Water Line Replacement New Orleans Sewerage & Water Board</i>		
Project Key Number	<i>1</i>	Project Location	<i>Orleans Parish</i>
Project Owner	<i>Sewerage & Water Board</i>	Owner's Point of Contact	<i>Mr. Ron Spooner</i>
Owner' Address	<i>8800 S. Claibone Avenue New Orleans, LA 70118</i>	Phone Number	<i>504-585-2365</i>
		Email Address	<i>RSpooner@swbno.org</i>
Services Completed	<i>2019</i>	Professional Services Fee	<i>\$900,000</i>
Construction Completed	<i>2019</i>	Total Construction Cost	<i>\$9M</i>

Brief Description of Project and Relevance to This Discipline

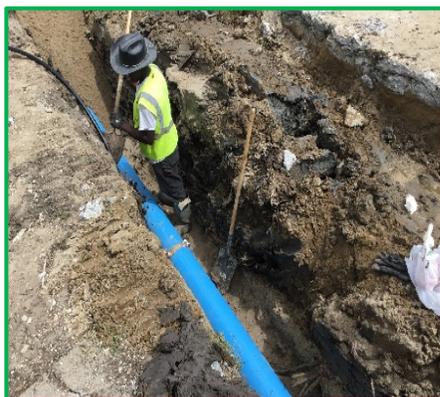
The City of New Orleans experienced significant damage to the ***water distribution system*** on the East Bank as a result of floodwater from Hurricane Katrina in August 2005. Many of the lines have been repaired multiple times within a block, so that the lines have become fragile and prone to leaks; therefore, FEMA agreed to replace the identified damaged water main segments.

HIGHLIGHTS

- ***Water Line Replacement***
- ***Fire Hydrants***
- ***Valves and Water House Connections Replacement***

Meyer Engineers, Ltd. completed the design for ***water line replacement*** for the following neighborhoods in Orleans Parish: Ninth Ward, Broadmoor, Lower Ninth Ward (North), and Lower Ninth Ward (South).

The work included replacing existing 4" and 6" C.I. pipes with 8" C-900 PVC pipes and 12" C.I. pipe with 12" C-900 PVC pipe. The fire hydrants, valves and ***water house connections*** were replaced in accordance with Sewerage and Water Board requirements. Construction documents were designed and drafted in accordance with Sewerage and Water Board requirements.



The work included identifying repair and restoration efforts for paving and replacement of ***water mains***, with an option to include replacement of sewer lines, repair and/or upgrade of the drainage systems.

Included in the scope of work is coordination with the City of New Orleans Department of Public Works Consultants for Street Repair/Replacement. Construction of underground and above ground infrastructure shall be completed within the same bid documents.

Meyer Engineers, Ltd. coordinated with the Department of Public Works, Sewerage & Water Board, and FEMA.

Funding was provided through FEMA's project worksheets. Meyer performed additional damage assessments during the construction drawing phase. Project worksheet revisions and backup data were provided to FEMA for consideration of additional funds.



2.6 EXAMPLE PROJECTS ILLUSTRATING FIRMS QUALIFICATIONS

Firm Name	<i>Meyer Engineers, Ltd.</i>	Firm Role	<i>Prime</i>
Project Title	<i>Westwego Water Infrastructure Project</i>		
Project Key Number	<i>2</i>	Project Location	<i>Jefferson Parish</i>
Project Owner	<i>City of Westwego</i>	Owner's Point of Contact	<i>Mr. Paul Bernard</i>
Owner' Address	<i>419 Avenue A Westwego, LA 70094</i>	Phone Number	<i>504-347-5745</i>
		Email Address	<i>paul@wwp.nocoxmail.com</i>
Services Completed	<i>2017</i>	Professional Services Fee	<i>\$200,000</i>
Construction Completed	<i>2017</i>	Total Construction Cost	<i>\$3M</i>

Brief Description of Project and Relevance to This Discipline

The City of Westwego ***Water Infrastructure*** project scope of work included demolishing and replacing a city ***water storage tank***, the purchase and installation of two ***water transfer pumps***, and installation of 3,400 LF of 12" ***water line***.

HIGHLIGHTS

- *Water Storage Tank*
- *Water Transfer Pumps*
- *Water Line*

Demolition & Replacement of City Water Storage Tank

The scope of work included demolishing and replacing an aged ***water storage tank*** located on City-owned property at 419 Avenue A. A new foundation was constructed, on which a new steel tank will be constructed, one hundred feet (100') in diameter, with a capacity of one million gallons (1,000,000g). The new tank was fitted with new piping, fittings, and valves. The tank was connected to an extant back-up power generator.

Purchase & Install Two (2) Water Transfer Pumps

Existing ***pump infrastructure*** was removed and replaced with two (2) vertical turbine pumps, capable of providing adequate water flow and pressure throughout the City. The new pumps were fitted with updated control panels, electrical connections, and all piping, fittings, and valves.

Installation of Twelve Inch (12") Water Line

Excavated and removed the existing ***water line*** and replaced the water line with 12" C900 PVC pipe along the corridor. In addition to the installation of the piping, the City performed patching of street and driveway surfaces disturbed by construction.



2.6 EXAMPLE PROJECTS ILLUSTRATING FIRMS QUALIFICATIONS

Firm Name	<i>Meyer Engineers, Ltd.</i>	Firm Role	<i>Prime</i>
Project Title	<i>St. Bernard Potable Water Distribution System</i>		
Project Key Number	<i>3</i>	Project Location	<i>St. Bernard Parish</i>
Project Owner	<i>St. Bernard Parish Department of Public Works</i>	Owner's Point of Contact	<i>Mr. Matthew Falati</i>
Owner' Address	<i>1225 East St. Bernard Highway Chalmette, LA 70043</i>	Phone Number	<i>504-278-4314</i>
		Email Address	<i>mfulati@sbgp.net</i>
Services Completed	<i>2018</i>	Professional Services Fee	<i>\$250,000</i>
Construction Completed	<i>2018</i>	Total Construction Cost	<i>\$2M</i>

Brief Description of Project and Relevance to This Discipline

Meyer Engineers, Ltd. completed the design for ***water lines*** that will replace, repair and/or work in conjunction with existing waterlines for the communities of Delacroix and Yscloskey in St. Bernard Parish.

HIGHLIGHTS

- ***Repair/Replacement of Water Lines***

The ***St. Bernard Parish Potable Water Distribution System Repairs*** was a FEMA funded project through the Improved Project Process (PW 21058).

The project provided a significant ***upgrade to the water lines*** in the southern part of the parish to meet current and future regulatory requirements designed to protect public health and to rehabilitate and/or replace aging infrastructure. The Delacroix and Yscloskey communities are part of the State of Louisiana source of seafood harvesting. These fishing communities offer a seemingly inexhaustible supply of shrimp, fish, crabs, and oysters to restaurants throughout the country. Access to these communities are limited to a single LA DOTD Highway by vehicle or by water canals by watercraft. Because these communities do not have various land access points, a single waterline services each community. The project offered the ability to ***replace*** existing aged and deteriorated cast iron ***water lines*** in the St. Bernard Parish water distribution system with new PVC pipe to reduce and/or ***eliminate leakage and water main failures*** in areas with cast iron pipe.



Challenges included installation of the water line within a very narrow Louisiana Highway right of way. Multiple offsets over and under major drainage and canal systems in a confined and congested right of way area that also included existing underground water, drainage, gas and overhead telephone, electrical powerlines and street lighting. Without the availability of as built information, careful design was necessary to allow for field alterations. Locations of existing residential and commercial properties were required to maintain existing service while the upgraded water lines are completed.



2.6 EXAMPLE PROJECTS ILLUSTRATING FIRMS QUALIFICATIONS

Firm Name	<i>Meyer Engineers, Ltd.</i>	Firm Role	<i>Prime</i>
Project Title	<i>Broadmoor & Freret WLRP Transmission Lines</i>		
Project Key Number	<i>4</i>	Project Location	<i>Orleans Parish</i>
Project Owner	<i>Sewerage & Water Board</i>	Owner's Point of Contact	<i>Mr. Ron Spooner</i>
Owner' Address	<i>8800 S. Claiborne Avenue New Orleans, LA 70118</i>	Phone Number	<i>504-585-2365</i>
		Email Address	<i>RSpooner@swbno.org</i>
Services Completed	<i>On-Going</i>	Professional Services Fee	<i>\$850,000</i>
Construction Completed	<i>TBD</i>	Total Construction Cost	<i>\$6.2M</i>

Brief Description of Project and Relevance to This Discipline

This project consists of ***upgrading water line transmission mains*** on South Claiborne Avenue between Jefferson Avenue and Napoleon Avenue 2,000 LF of 48" ductile iron ***water main will be installed*** using open cut construction, and 1,000 LF of 30" ductile iron water main will be installed using a swage lining process utilizing an existing pipe.

HIGHLIGHTS

- ***Upgrading Water Line Transmission Mains***
- ***Pavement Removal and Replacement***
- ***Milling and Overlay***
- ***Curb Replacement***

An 8" water line will also be installed using directional drilling to minimize impact on residential service. Water valves and associated vaults on the transmission lines will also be installed, including a re-working of a complex valve system at the Upperline Street intersection.

Removal and replacement of composite pavement roadway and associated curbs will also be required for the installation of the 48" transmission main, as well as a detour plan for re-routing traffic during construction.

The project also includes the removal and replacement of 300 LF of 30" C-900 PVC water main on the 5000 block of Magnolia Street, including associated pavement removal and replacement, milling and overlaying, and curb replacement.



2.6 EXAMPLE PROJECTS ILLUSTRATING FIRMS QUALIFICATIONS

Firm Name	<i>Meyer Engineers, Ltd.</i>	Firm Role	<i>Prime</i>
Project Title	<i>Covington – S. Harrison Street Water Line Extension</i>		
Project Key Number	<i>5</i>	Project Location	<i>Orleans Parish</i>
Project Owner	<i>City of Covington</i>	Owner's Point of Contact	<i>Mr. Bob Moeinian</i>
Owner' Address	<i>117 N. Jefferson Avenue Covington, LA 70433</i>	Phone Number	<i>985-892-1811</i>
		Email Address	<i>bmoeinian@covla.com</i>
Services Completed	<i>On-Going</i>	Professional Services Fee	<i>\$76,000</i>
Construction Completed	<i>TBD</i>	Total Construction Cost	<i>\$417,450</i>

Brief Description of Project and Relevance to This Discipline

Meyer Engineers, Ltd. is completing the design for a new 1,700' 12" ***waterline extension*** on South Harrison Street from West 15th to West 11th Street (St. Tammany Parish Hospital).

The ***S. Harrison Street Waterline Extension*** will be funded through a CEA between the City of Covington and St. Tammany Parish Hospital, with an estimated construction cost of \$420,000.

By providing the hospital with its own dedicated water line, the hospital will receive a reliable flow of water to help meet the demands of the St. Tammany Parish Hospital Expansion, while also providing more reliable pressure to the surrounding neighborhood due to reduced loading on their existing 8" waterline.

Challenges include ***installation of waterline along a busy residential roadway*** and the tie-in point being next to the emergency room entrance of the Hospital. Therefore, the waterline will be installed using directional drilling to minimize road closures and impacts to local business and residents. Connections to the existing water main and hospital will be done using a "hot tap" method which will allow for no down time to the hospital or the surrounding neighborhood.

HIGHLIGHTS

- ***Upgrading Water Line Transmission Mains***
- ***Pavement Removal and Replacement***
- ***Milling and Overlay***
- ***Curb Replacement***



2.1 DISCIPLINE CATEGORY

Discipline for which Firm is applying?	<i>Roadway/Highway</i>
----------------------------------------	-------------------------------

2.2 SUBCONSULTANTS

Will you use Subconsultants for any Work associated with this Discipline?	YES	X
	NO	
Name of Subconsultant	Role of Subconsultant	
<i>Surveying & Geotechnical (As Needed)</i>		

2.3 KEY PERSONNEL PARTICIPATION IN EXAMPLE PROJECTS

NAME OF KEY PERSONNEL	ROLE IN THIS PROJECT	EXAMPLE PROJECTS FROM PROJECT KEY IN 2.4				
		1	2	3	4	5
<i>David H. Dupre, P.E.</i>	<i>Senior Project Engineer</i>			X	X	X
<i>Kenneth J. Belou, P.E.</i>	<i>Civil Engineer</i>	X	X			X
<i>Eric Colwart, P.E.</i>	<i>Civil Engineer</i>				X	
<i>Mark A. Schutt, P.E.</i>	<i>Civil Engineer</i>			X		

2.4 EXAMPLE PROJECTS KEY

No.	TITLE OF EXAMPLE PROJECT	No.	TITLE OF EXAMPLE PROJECT
1	<i>Citrus Boulevard Improvements</i>	4	<i>Howard Avenue Extension</i>
2	<i>Duplessis Road Safety Widening</i>	5	<i>LA 431 @ LA 934 Intersection Improvements</i>
3	<i>Ford Street Extension</i>		



2.5 RESUMES OF KEY PERSONNEL PROPOSED FOR THIS DISCIPLINE

Name	David H. Dupre, P.E.				
Firm Name	Meyer Engineers, Ltd.				
Discipline	Civil Engineer				
Role in Discipline	Senior Project Engineer				
Years of Experience	Current Firm	32	Total		35
Education (Degree and Specialization)	B.S. Civil Engineering				
Current Professional Registration (State and Discipline)	PE/LA #23422/Civil Engineering				

Other Professional Qualifications (Publications, Training, Awards, etc.)

David H. Dupre is involved with all aspects of administering engineering projects for Meyer Engineers, Ltd. which include client contact, cost estimates, design, quality control, construction administration, preparation of reports, plans and specifications. Mr. Dupre participates in most facets of Civil Engineering design including roads, bridges, drainage, sanitary sewer, water and structural. Mr. Dupre is the Vice Chairman on the State Board of the American Council of Engineering Companies Louisiana (ACECL). He was also the former New Orleans Chapter President. In 2016, Mr. Dupre was honored in receiving the Outstanding Civil Engineer award from the New Orleans Branch of the ASCE. Mr. Dupre is also a member of SAME, ASCE, APWA, CMAA and LES. Mr. Dupre has designed projects in accordance with DOTD's "Roadway Design Manual", "Hydraulics Manual", "Bridge Manual", "Complete Streets Manual", and the "Louisiana Standard Specification for Roads and Bridges". Mr. Dupre is certified in Local Public Agency Qualification Core Training, Construction Engineering and Inspection (CE&I) Training, Project Planning, Feasibility & Application Workshop, Project Design and Delivery Training. Mr. Dupre is LADOTD certified in Traffic Control Supervisor, and Flagger.

Specific Experience Relative to Discipline

S.P. No. H.007272: Howard Avenue Extension (Loyola Avenue – LaSalle Street), Orleans Parish

Project Manager currently managing and designing the Howard Avenue Extension (Loyola Avenue – LaSalle Street). The project consists of a 1,600' **concrete roadway** with curbs, subsurface drainage, turn lane, 7' wide sidewalks, striping, traffic signals and street lighting. The estimated construction cost is \$3.2 Million.

S.P. No. H.010184: LA 59: Curve Realign and Tunnel at Trace, St. Tammany Parish

Project Manager who designed the LA 59: Curve Realign and Tunnel at Trace project. Improvements included flattening the radius of LA 59 at the existing dangerous "S" curve and construction of a pedestrian tunnel under LA 59. Work included a **new roadway section**, widening an existing section of LA 59, a box culvert "tunnel" with approach ramps, and drainage improvements. The construction cost was \$3.6 Million.

S.P. No. H.007855: LA 431 @ LA 934 Intersection Improvements, Ascension Parish

Project Manager who provided engineering and project management for the LA 431 @ 934 (Goldplace Road) **intersection improvements** in Ascension Parish. This DOTD Urban System Project included adding left and right turn lanes. **Road improvements** included **pavement widening**, asphalt pavement and base course, asphalt mill and overlay, and drainage. The construction cost was \$1.5 Million.

Bainbridge Street Access to MSY (Stage 0 Study), City of Kenner

Program Manager for the Intermodal Access/Impact Study. The purpose of this study was to develop, define, and analyze a range of feasible improvements to Bainbridge Street, between the Louis Armstrong New Orleans International Airport (LANOIA) campus and Veterans Boulevard. The project defined and quantified LANOIA related **traffic impacts on the roadway**, as well as reasonable forecastable land use changes and corresponding trip generation patterns envisioned in the adjacent area controlled by the City of Kenner.

S.P. No. H.011310: Ford Street Extension, East Baton Rouge Parish

Project Manager for preparing Preliminary Plans to **extend Ford Street** from LA 67 (Plank Road) to Howell Place Road. The extension will be an urban collector with a design speed of 30 MPH and will consist of two (2) 11' lanes, 30' raised grass median, curb and gutter with subsurface drainage and sidewalks. Water and sewer will also be included in the design. The construction estimate is \$3.5 Million.

S.P. No. 700-18-0080: Route US 190 Junction 433-US11, St. Tammany Parish

Project Manager and also designed drainage and geometry. Improvements included a **four-lane rural section, a five-lane urban section**, two (2) 180-foot long slab span bridges, subsurface drainage, and a pedestrian tunnel. Side streets included Northshore Boulevard and Camp Villere Road. The construction cost was \$23 Million.

S.P. No. 704-92-0039: LA DOTD Submerged Roads Program, Orleans and St. Bernard Parishes

Project Manager for the first phase of the LA DOTD Submerged Roads (Paths to Progress) Program Phase "A". The project consisted of providing Design under a retainer contract which included five (5) separate bid packages. The work included base repair, asphalt and concrete patching, asphalt overlay, concrete road, concrete curbs, sidewalks, and drainage repairs. The construction cost of all Task Orders was **\$61 Million**.



2.5 RESUMES OF KEY PERSONNEL PROPOSED FOR THIS DISCIPLINE

Name	<i>Kenneth Belou, P.E.</i>				
Firm Name	<i>Meyer Engineers, Ltd.</i>				
Discipline	<i>Civil Engineer</i>				
Role in Discipline	<i>Civil Engineer</i>				
Years of Experience	Current Firm	<i>11</i>	Total		<i>11</i>
Education (Degree and Specialization)	<i>B.S. Civil Engineering</i>				
Current Professional Registration (State and Discipline)	<i>PE/LA #38850/Civil Engineering</i>				

Other Professional Qualifications (Publications, Training, Awards, etc.)

Kenneth Belou will assist with design for this project. His experience includes client contact, cost estimates, design, construction administration, preparation of reports, plans and specifications. This also includes preparation of plan/profile sheets, preparation of as-builts and record drawings, updating facility plans, and CADD details. Mr. Belou is a member of ASCE. Kenneth Belou has designed projects in accordance with DOTD's "Roadway Design Manual", "Complete Streets Manual", "Hydraulics Manual", "Bridge Manual", AASHTO's "Green Book", and the "Louisiana Standards and Specifications for Roads and Bridges". Mr. Belou has completed Local Public Agency Qualification for Core Training; Construction Engineering & Inspection; Project Planning; Feasibility & Application Development Module; and Project Design and Delivery: Developing an LPA Project for Bidding Module. He is certified in Traffic Control Technician, Traffic Control Supervisor, and is a registered Flagger.

Specific Experience Relative to Discipline

Citrus Boulevard Improvements, Jefferson Parish

Project Engineer for the Citrus Boulevard Improvements. The project consists of ***pavement removal and reconstruction for approximately 10,000 LF of Citrus Boulevard*** between Dickory Avenue and Elmwood Park Boulevard. The design work includes vertical alignment design for both eastbound and westbound lanes along Citrus Boulevard and design of a left turn lane at *the intersection of Citrus Boulevard and Edwards Avenue*. The design shall include geometry for each of the intersecting roadways for turnout replacement. Construction for this high-volume corridor shall be conducted in phases to allow for continuation of service to the major business park areas served by this roadway section. Construction shall consist of removal of the existing roadway surface, installation of sand base and installation of 9" thick concrete pavement. Construction shall also include the adjustment of drainage, sewer and water structures. The estimated construction cost is \$4.8 Million.

State Project No. H.009770: St. John Mississippi River Trail – Phase I-IV, St. John the Baptist Parish

Assisted with the design on Phases III and IV. A 10' wide asphalt trail on the Mississippi River Levee from the St. Charles Parish line to the St. James Parish line. The work also includes drainage, a *ramp*, a pedestrian crossing on River Road, signage and striping. Construction costs of these two (2) phases is \$4.8 Million.

State Project No. H.007855: LA 431 @ LA 934 Intersection Improvements, Ascension Parish

Project Engineer for the design and preparation of plans and specifications for the LA 431 @ 934 (Goldplace Road) ***Intersection Improvements*** in Ascension Parish. This DOTD Urban System Project included adding left and right turn lanes. ***Road improvements*** included *pavement widening*, concrete curbs, asphalt pavement and base course, asphalt mill and overlay. Other improvements included a new 5' x 7' box culvert, open ditch, subsurface drainage, utility relocations, striping and traffic signals. The plans included typical sections, geometric details, drainage maps, sequence of construction and construction signage, and cross sections. The work also included right-of-way acquisition. Mr. Belou assisted with *coordinating with DOTD, FHWA, Ascension Parish* and several utility companies. The construction cost was \$1.5 Million.

State Project No. H.013850: Duplessis Road Safety Widening, Ascension Parish

Mr. Belou is the Project Engineer for the design, plan preparation and construction administration for the Duplessis Road Safety Widening Project. Duplessis Road is categorized as an ***Urban Collector Roadway*** that provides a ***connection between major LA DOTD roads***: Airline Highway (US 61) and Old Jefferson Highway (LA Highway 73). As part of the Move Ascension roadway improvement program, Meyer is tasked with designing the full roadway reconstruction of the 1.65-mile portion of the road to widen the road from 18' wide to 26' wide (two (2) 11' lanes and two (2) 2' wide paved shoulders). The roadway and shoulder safety widening will aide in vehicle recovery and provide a safer roadway for traveling motorists. Also included in this project is the drainage design and layout of the new subsurface and roadside ditch sections. The estimated construction cost is \$5.2 Million.



2.5 RESUMES OF KEY PERSONNEL PROPOSED FOR THIS DISCIPLINE

Name	<i>Eric Colwart, P.E.</i>				
Firm Name	<i>Meyer Engineers, Ltd.</i>				
Discipline	<i>Civil Engineer</i>				
Role in Discipline	<i>Civil Engineer</i>				
Years of Experience	Current Firm	<i>14</i>	Total		<i>14</i>
Education (Degree and Specialization)	<i>B.S. Civil Engineering</i>				
Current Professional Registration (State and Discipline)	<i>PE/LA #36290/Civil Engineering</i>				
Other Professional Qualifications (Publications, Training, Awards, etc.)					
<p>Eric Colwart will assist in Civil Engineering design for this project. His experience includes client contact, cost estimates, design, construction administration, preparation of reports, plans and specifications. This also includes plan/profile sheets, preparation of as-builts and record drawings, updating facility plans and CADD details. Mr. Colwart has designed projects in accordance with DOTD's "Roadway Design Manual", "Complete Streets Manual", "Hydraulics Manual", "Bridge Manual", AASHTO's "Green Book", and the "Louisiana Standards and Specifications for Roads and Bridges".</p>					
Specific Experience Relative to Discipline					
<p><u>State Project No. H.007272: Howard Avenue Extension (Loyola Avenue – LaSalle Street), Orleans Parish</u> Project Engineer for the Howard Avenue Extension (Loyola Avenue – LaSalle Street). The project consists of a 1,600' concrete roadway and subsurface drainage. The two-lane curbed roadway includes turn lane. Other items include base course, 7' wide sidewalks, ADA compliant ramps, striping, traffic signals and street lighting. The work also includes right-of-way acquisition. The estimated construction cost is \$3.2 Million.</p>					
<p><u>S. Galvez Street (Toledano Street to Martin Luther King Boulevard, Orleans Parish</u> Project Engineer for the reconstruction of S. Galvez from Toledano Street to Martin Luther King Boulevard (approximately 1,800 feet). The construction of the concrete roadway included two 12-foot-wide traveling lanes and 8' parking lane in each direction separated by a median. Additional features included curbs, new traffic signals, subsurface drainage, water line, sewer line, and street lighting replacement. The construction cost was \$5.5 Million.</p>					
<p><u>State Project No. H.010184: LA 59: Curve Realign and Tunnel at Trace, St. Tammany Parish</u> Assisted with the design for the LA 59: Curve Realign and Tunnel at Trace project. Improvements include flattening the radius of LA 59 at the existing dangerous "S" curve as the road crosses the trace, and construction of a pedestrian tunnel under LA 59. Work included a new roadway section as well as widening an existing section of LA 59. Other road improvements included drainage improvements, utility relocations, and raising the grade of the road two feet under the tunnel. Mr. Colwart assisted in coordinating with several different departments with DOTD including District 62, Road Design Highway Safety Improvement Program (HSIP), Transportation Alternatives Program, Bridge Design (Lighting), and property acquisitions. The construction cost was \$3.6 Million.</p>					
<p><u>Treme-Lafitte Neighborhood Infrastructure Rehabilitation, Orleans Parish</u> Project Engineer for the infrastructure rehabilitation project of the Treme-Lafitte Neighborhood. The Treme-Lafitte neighborhood consists of about 200 blocks in the City of New Orleans, bound by Esplanade Avenue, St. Louis Street, N. Broad Street, and N. Rampart Street. The infrastructure rehabilitation project consisted of the repair or complete replacement of roadway pavement, curbs, sidewalks, and driveways damaged by Hurricane Katrina. The construction cost is \$5.8 Million.</p>					
<p><u>State Project No. 704-92-0039: LA DOTD Submerged Roads Program, Orleans and St. Bernard Parishes</u> Project Engineer for the retainer contract which included ten (10) different Task Orders for five (5) separate bid packages. This project is for the permanent repair to Federal aid eligible roads as a result of damage due to Hurricane Katrina. The work included base repair, asphalt and concrete patching, mill, asphalt overlay, concrete road, concrete curbs, granite curbs, driveways, sidewalks, handicap ramps, drain line repairs and catch basin repairs. The construction estimate of all Task Orders was \$62 Million.</p>					



2.5 RESUMES OF KEY PERSONNEL PROPOSED FOR THIS DISCIPLINE

Name	Mark A. Schutt, P.E.				
Firm Name	Meyer Engineers, Ltd.				
Discipline	Civil Engineer				
Role in Discipline	Structural Engineer				
Years of Experience	Current Firm	21	Total		23
Education (Degree and Specialization)	M.S. Civil Engineering B.S. Civil Engineering				
Current Professional Registration (State and Discipline)	PE/LA #30528/Civil Engineering				

Other Professional Qualifications (Publications, Training, Awards, etc.)

Mark A. Schutt’s experience includes client contact, cost estimates, design, construction administration, preparation of reports, plans and specifications. While with other firms, Mr. Schutt conducted extensive research on pile-supported approach slabs. Mr. Schutt has designed projects in accordance with DOTD’s “Roadway Design Manual”, “Hydraulics Manual”, “Bridge Manual”, AASHTO’s “Green Book”, and the “Louisiana Standards and Specifications for Roads and Bridges”. Mr. Schutt is a member of the Louisiana Engineering Society, the American Society of Civil Engineers, and the National Society of Professional Engineers. Mr. Schutt attended DOTD’s Designing Pedestrian Facilities for Accessibility, CADconform, and Control CAD Indexer Seminars. Mr. Schutt has completed Local Public Agency Qualification for Core Training: Construction Engineering & Inspection; Project Planning; Feasibility & Application Development Workshop; and Project Design and Delivery Training. He completed LTAP’s Local Road Safety Program Crash Data Workshop II. He is currently in the process of renewing his certification for Traffic Control Supervisor and Flagger.

Specific Experience Relative to Discipline

S.P. No. H.011310: Ford Street Extension, East Baton Rouge Parish

Mr. Schutt is the Project Engineer preparing Preliminary Plans to **extend Ford Street** from LA 67 (Plank Road) to Howell Place Road. The extension will be an urban collector with a design speed of 30 MPH and will consist of two (2) 11’ lanes, 30’ raised grass median, curb and gutter with subsurface drainage and sidewalks. Water and sewer will also be included in the design.

State Project No. H.010184: LA 59: Curve Realign and Tunnel at Trace, St. Tammany Parish

Mr. Schutt is the Project Engineer who designed the road, geometry, and drainage for LA 59: Curve Realign and Tunnel at Trace project. Improvements included flattening the radius of LA 59 at the existing dangerous “S” curve as the road crosses the trace, and construction of a pedestrian tunnel under LA 59. Work included a new roadway section as well as widening an existing section of LA 59. Other **road improvements** included drainage improvements, utility relocations, and raising the grade of the road two feet under the tunnel. The construction cost was \$3.6 Million.

State Project No. H.009770: St. John Mississippi River Trail – Phase I-IV, St. John the Baptist Parish

Mr. Schutt is the Project Engineer on **all four (4) phases** of this project. A 10’ wide asphalt trail on the Mississippi River Levee from the St. Charles Parish line to the St. James Parish line. The work also includes drainage, a **ramp**, a pedestrian crossing on River Road, signage and striping. Construction costs of all four (4) phases is \$7.2 Million.

State Project No. 742-26-0044: Harvey Boulevard (Wall Boulevard to Engineers Road), Jefferson and Plaquemines Parishes

Mr. Schutt assisted with design of roads, geometry and drainage for preliminary and final plans and construction support services for Harvey Boulevard from Wall Boulevard to Engineers Road (approximately 4,800 LF), located in Jefferson Parish and Plaquemines Parish. The new asphaltic concrete **roadway** included **four (4) 12’ lanes**, concrete curbs, new traffic signals and subsurface drainage. The project also included **two (2) 250-foot long girder span bridges**, drainage outfalls, backfilling a major canal, and bulkheading around an existing 30-inch gas line. The work also included a **180’ long pile supported approach slab** over a backfilled canal to avoid future settlement problems. The construction cost was \$8.9 Million.

State Project No. H.011835: Washington Parish Sidewalk Improvements, Washington Parish

Mr. Schutt is the Project Engineer for the design and construction administration for the Washington Parish Sidewalk Project. The project consists of 4,000 linear feet of **6-foot-wide decorative concrete sidewalks** along Cleveland Street, Main Street (LA 25), Ellis Street, Washington Street (LA 10), Pearl Street and Jackson Street. The sidewalks provide a **non-motorized transportation link** in the community and will tie into the Safe Routes to School Project around the Franklinton Junior High School. Future phases to extend the path along Main Street (LA 25) and along Boat Ramp Road are in conceptual design phase. The project **provides connectivity** between residential neighborhoods and established commercial areas and government services. This project is being funded in part by DOTD through the Transportation Alternatives Program. Meyer is coordinating with DOTD as well as Washington Parish. The estimated construction cost is \$345,000.



2.6 EXAMPLE PROJECTS ILLUSTRATING FIRMS QUALIFICATIONS

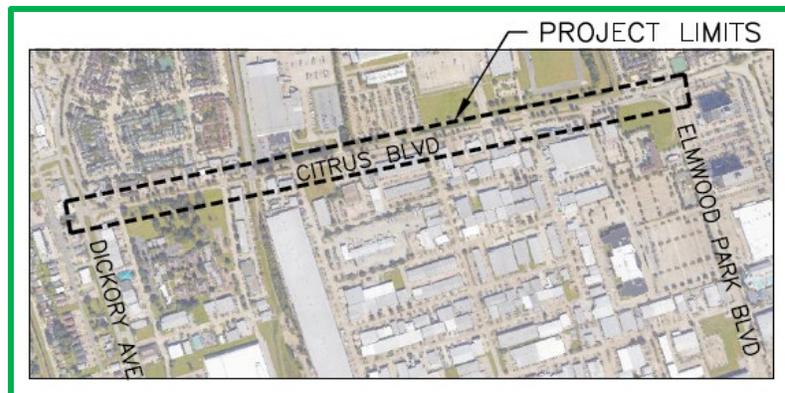
Firm Name	<i>Meyer Engineers, Ltd.</i>	Firm Role	<i>Prime</i>
Project Title	<i>Citrus Boulevard Improvements</i>		
Project Key Number	<i>1</i>	Project Location	<i>Jefferson Parish</i>
Project Owner	<i>Jefferson Parish Department of Engineering</i>	Owner's Point of Contact	<i>Mr. Mark Drewes</i>
Owner' Address	<i>1221 Elmwood Park Boulevard, Ste. 802 Harahan, LA 70123</i>	Phone Number	<i>504-736-6783</i>
		Email Address	<i>mdrewes@jeffparish.net</i>
Services Completed	<i>On-Going</i>	Professional Services Fee	<i>\$410,000</i>
Construction Completed	<i>TBD</i>	Total Construction Cost	<i>\$4.8M</i>

Brief Description of Project and Relevance to This Discipline

The Citrus Boulevard Improvements project consists of ***concrete pavement removal and reconstruction*** for approximately 10,000 linear feet of Citrus Boulevard in the area bordered by Dickory Avenue and Elmwood Park Boulevard. Meyer's design work includes vertical alignment design for both eastbound and westbound lanes along Citrus Boulevard and the design of a left turn lane at the intersection of Citrus Boulevard and Edwards Avenue. Additionally, the design includes ***geometry for each of the intersecting roadways for turnout replacement***.



Construction for this high-volume corridor shall be conducted in phases to allow for continuation of service to the major business park areas served by this roadway section. Construction shall consist of the removal of the existing roadway surface, installation of sand base as required to meet the vertical geometry design, and installation ***9" thick concrete pavement***. Concrete ***curbing*** shall be constructed along the length of the project and shall include both barrier and mountable forms to allow for the needs of the surrounding businesses. Construction shall also include the ***adjustment of drainage, sewer, and water structures*** that are within the roadway limits. The work shall also include the removal and replacement of concrete driveways and concrete turnouts at the intersecting streets. To provide for pedestrian traffic, ADA curb ramps will be included at all intersections as necessary.

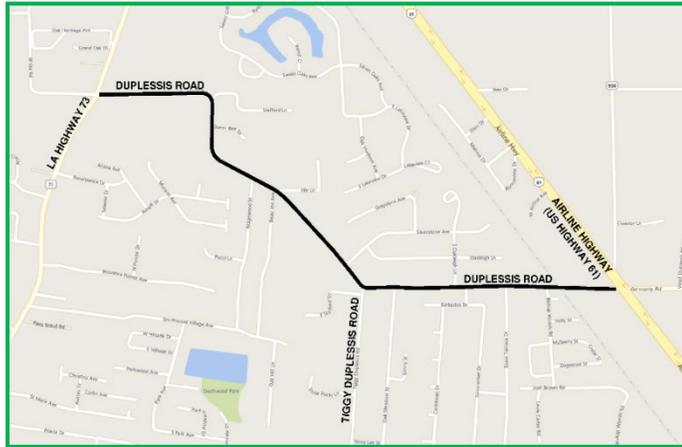


2.6 EXAMPLE PROJECTS ILLUSTRATING FIRMS QUALIFICATIONS

Firm Name	<i>Meyer Engineers, Ltd.</i>	Firm Role	<i>Prime</i>
Project Title	<i>Duplessis Road Safety Widening</i>		
Project Key Number	<i>2</i>	Project Location	<i>Ascension Parish</i>
Project Owner	<i>Ascension Parish</i>	Owner's Point of Contact	<i>Mr. Joey Tureau</i>
Owner' Address	<i>42077 Churchpoint Road Gonzales, LA 70737</i>	Phone Number	<i>225-340-1326</i>
		Email Address	<i>jtureau@apgov.us</i>
Services Completed	<i>On-Going</i>	Professional Services Fee	<i>\$591,000</i>
Construction Completed	<i>TBD</i>	Total Construction Cost	<i>\$5.2M</i>

Brief Description of Project and Relevance to This Discipline

Meyer Engineers, Ltd. is providing engineering services for the design, plan preparation and construction administration for the Duplessis ***Road Safety Widening project***. Duplessis Road is categorized as an ***Urban Collector Roadway*** that provides a connection between ***major LADOTD roads***: Airline Highway (US Highway 61) and Old Jefferson Highway (LA Highway 73). As a part of the Move Ascension roadway improvement program, Meyer is tasked with designing the full roadway reconstruction of the 1.65-mile portion of the road to widen the road from 18' wide to 26' wide (two (2) 11' lanes and two (2) 2' wide paved shoulders).



The roadway and shoulder safety widening will aide in vehicle recovery and provide a safer roadway for traveling motorists. Also included in this project is the drainage design and layout of the new subsurface and roadside ditch sections. Meyer is coordinating with numerous consultants and agencies in order to complete the design process. Meyer is in constant coordination with the Move Ascension Program Management Provider, HNTB Corporation, and the Owner, Ascension Parish, in order to provide for a design that reflects the standards for the program and to provide for project specific solutions for Duplessis Road including:

- Minimizing the disruption to the properties along the roadway, including curtailing the effect of the widening near a cemetery.
- Realigning a dangerous curve to allow for a safer roadway layout and improve traffic maintenance.
- Improving the safety of a major intersection at Tiggy Duplessis Road.
- Designing the connection to the widened portion of Duplessis Road near the construction of a major commercial property along Airline Highway.

Meyer's tasks for this project include the development of preliminary plans for the project in accordance with the Master GEC Contract, the development of final plans conforming to all coordinated comments from the preliminary stage, the development of specifications and a cost estimate, the coordination with the surveyor for the preparation of right-of-way plans and necessary property acquisition. The design criteria for this project is in accordance with AASHTO, FHWA, and DOTD requirements.



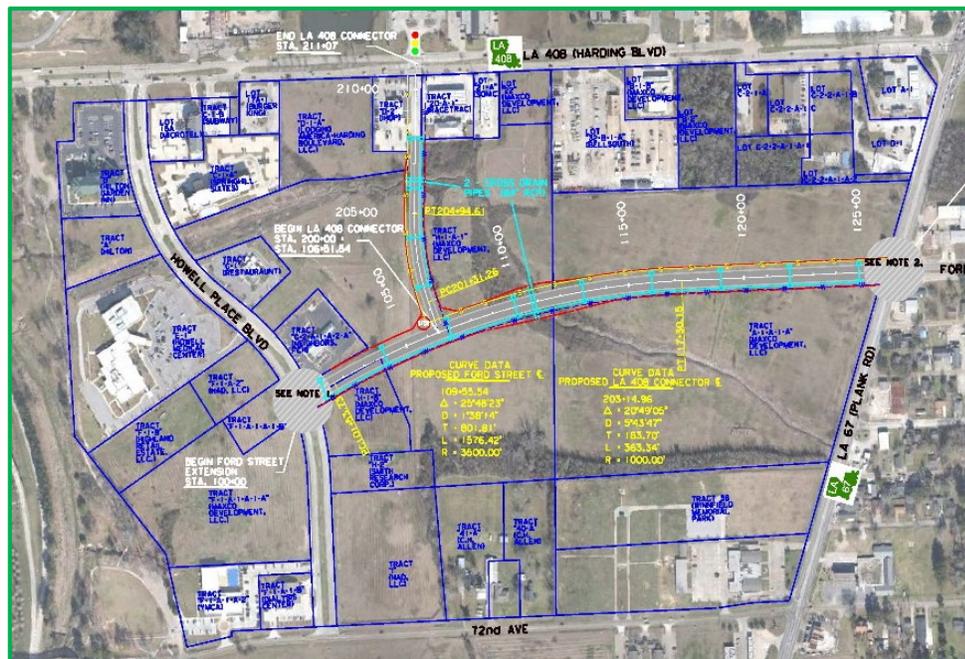
2.6 EXAMPLE PROJECTS ILLUSTRATING FIRMS QUALIFICATIONS

Firm Name	<i>Meyer Engineers, Ltd.</i>	Firm Role	<i>Prime</i>
Project Title	<i>Ford Street Extension (S.P. No. H.011310)</i>		
Project Key Number	3	Project Location	<i>East Baton Rouge Parish</i>
Project Owner	<i>Department of Transportation and Development</i>	Owner's Point of Contact	<i>Ms. Catherine Mastin</i>
Owner' Address	<i>P.O. Box 94245 Baton Rouge, LA 70804</i>	Phone Number	<i>225-379-1652</i>
		Email Address	<i>Catherine.Mastin@LA.GOV</i>
Services Completed	<i>On-Going</i>	Professional Services Fee	<i>\$178,000</i>
Construction Completed	<i>TBD</i>	Total Construction Cost	<i>\$3.5M</i>

Brief Description of Project and Relevance to This Discipline

Meyer Engineers, Ltd. was selected to prepare Preliminary Plans for Ford ***Street Extension*** in East Baton Rouge parish. The design is being coordinated by DOTD in conjunction with East Baton Rouge Parish. The project will extend 2,700' from LA 67 (Plank Road) to Howell Place Boulevard. The ***extension*** will consist of a ***concrete roadway*** with 2-11' lanes, 30' wide raised median, subsurface drainage and sidewalks on both sides. Water and sewer design is also included in the project. Plans include typical sections, plan and profile sheets, design drainage map, geometric details, pavement markings, signing layout, construction signing and sequence of construction, temporary erosion control plan, and cross sections.

There are various projects being designed and constructed in the vicinity of this project that require Meyer to coordinate with private, state and local public entities. The project also has an accelerated design schedule.



2.6 EXAMPLE PROJECTS ILLUSTRATING FIRMS QUALIFICATIONS

Firm Name	<i>Meyer Engineers, Ltd.</i>	Firm Role	<i>Prime</i>
Project Title	<i>Howard Avenue Extension (Loyola Avenue – LaSalle Street) (S.P. No. H.007272)</i>		
Project Key Number	<i>4</i>	Project Location	<i>Orleans Parish</i>
Project Owner	<i>Department of Transportation and Development</i>	Owner’s Point of Contact	<i>Ms. Christina Brignac/Mr. Tim Nickel</i>
Owner’ Address	<i>P.O. Box 94245 Baton Rouge, LA 70804</i>	Phone Number	<i>225-379-1394</i>
		Email Address	<i>Christine.Brignac@LA.GOV</i>
Services Completed	<i>On-Going</i>	Professional Services Fee	<i>\$324,000</i>
Construction Completed	<i>TBD</i>	Total Construction Cost	<i>\$3.2M</i>

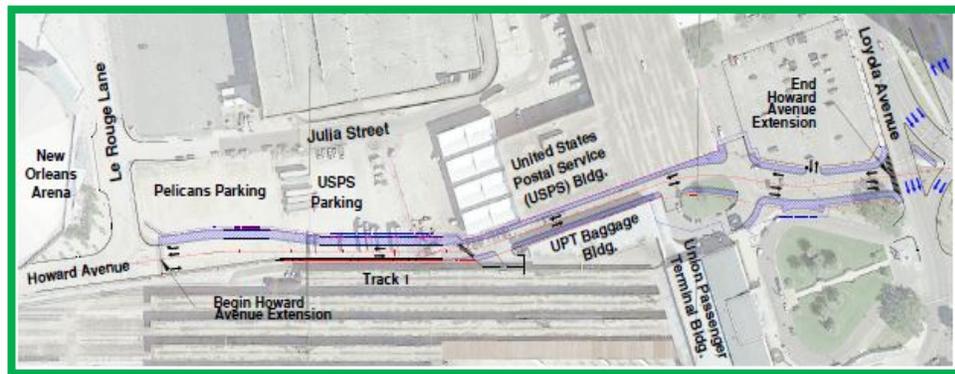
Brief Description of Project and Relevance to This Discipline

Meyer Engineers, Ltd. is designing the final plans for the Howard Avenue Extension (Loyola Avenue – LaSalle Street). The project consists of a ***1,600’ concrete roadway***, and subsurface drainage. The ***two-lane curbed roadway*** includes turn lanes. Other items include base course, 7’ wide sidewalks, ADA compliant ramps, striping, traffic signals, and street lighting. The plans include typical sections, geometric details, drainage maps, sequence of construction and construction signage, and cross sections. The work also includes right-of-way acquisition. Meyer is coordinating with numerous utility companies involving relocation or offsetting of their lines, including fiber optic lines.



Under a previous contract Meyer completed Preliminary Plans for Howard Avenue. The project was on hold for several years due to right-of-way issues with the U.S. Postal Services (USPS) and Amtrak. Issues included minimizing disruptions to the existing Amtrak Baggage Building, preserving Track #1 footprint, and minimizing the impact to the USPS’s parking lot. Meyer coordinated work with the New Orleans Building Corporation, Regional Planning Commission, Amtrak, and USPS.

The Environmental Assessment (EA) specified for the UPT Baggage Building to be relocated to allow for the road. This would have been very costly and jeopardized the project. Meyer resolved this problem by “squeezing” in the road between the UPT Building and the USPS Building, which are 42 feet apart.



2.6 EXAMPLE PROJECTS ILLUSTRATING FIRMS QUALIFICATIONS

Firm Name	Meyer Engineers, Ltd.	Firm Role	Prime
Project Title	LA 431 @ LA 934 Intersection Improvements (S.P. No. H.007855)		
Project Key Number	5	Project Location	Ascension Parish
Project Owner	Department of Transportation and Development	Owner's Point of Contact	Mr. Patrick Toney
Owner's Address	P.O. Box 94245 Baton Rouge, LA 70804	Phone Number	225-379-1041
		Email Address	Patrick.Toney@LA.GOV
Services Completed	2017	Professional Services Fee	\$513,000
Construction Completed	2017	Total Construction Cost	\$1.5M

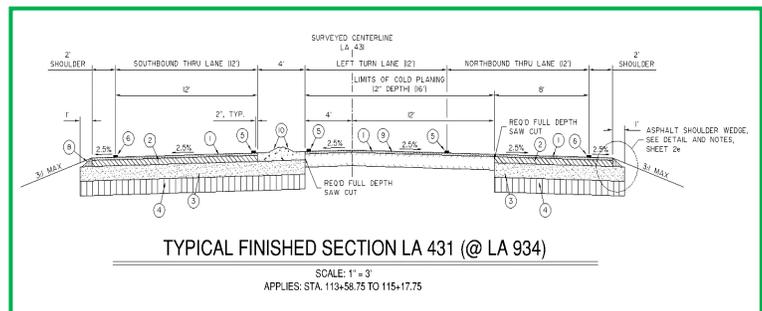
Brief Description of Project and Relevance to This Discipline

Meyer Engineers, Ltd. completed the Preliminary and Final Plans of the LA 431 at LA 934 (Gold Place Road) Intersection Improvement Project in Ascension Parish. This DOTD Urban System Project included **widening 1,800' of highway to add left and right turn lanes**. The project consisted of asphaltic concrete pavement widening of 1,800' along LA 431 and 400' along LA 934. Additional items included subsurface drainage at the **intersection**, roadside drainage, base course, paved shoulders, mill and overlay, driveway replacements, striping, utility relocations, and traffic signals. Meyer developed typical sections, plan and profile sheets, design drainage map, geometric details, pavement markings, signing layout, construction signing and sequence of construction, temporary erosion control plan, and cross sections as part of the plan set.



The project also included right-of-way acquisition along LA 431 and LA 934. Meyer developed right-of-way requirements and reviewed right-of-way maps, real estate appraisals, and title reports.

To accommodate the required amount of right-of-way per the DOTD design guidelines which would have severely impacted some businesses, and would have caused their relocation, Meyer changed the design section in this area to subsurface drainage, which would fit within the existing right-of-way, thereby eliminating the need to relocate these businesses.



DOTD's Project Manager, **Patrick Toney**, stated "Meyer Engineers, Ltd. developed Final Plans that stayed on **schedule and budget**." "The consultant also did a **great job** of **coordinating multiple sub consultants**."



Meyer Engineers, Ltd.
Engineers & Architects

2.1 DISCIPLINE CATEGORY

Discipline for which Firm is applying?	<i>Sewer/Wastewater</i>
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2.2 SUBCONSULTANTS

Will you use Subconsultants for any Work associated with this Discipline?	YES	<i>X</i>
	NO	
Name of Subconsultant	Role of Subconsultant	
<i>Surveying & Geotechnical (As Needed)</i>		

2.3 KEY PERSONNEL PARTICIPATION IN EXAMPLE PROJECTS

NAME OF KEY PERSONNEL	ROLE IN THIS PROJECT	EXAMPLE PROJECTS FROM PROJECT KEY IN 2.4				
		1	2	3	4	5
<i>Donovan P. Duffy, P.E.</i>	<i>Civil Engineer</i>		<i>X</i>		<i>X</i>	
<i>Jitendra C. Shah, P.E.</i>	<i>Senior Project Engineer</i>	<i>X</i>		<i>X</i>		<i>X</i>
<i>Raymond Hartley, P.E.</i>	<i>Senior Project Engineer</i>					
<i>Eric Colwart, P.E.</i>	<i>Civil Engineer</i>	<i>X</i>		<i>X</i>		

2.4 EXAMPLE PROJECTS KEY

No.	TITLE OF EXAMPLE PROJECT	No.	TITLE OF EXAMPLE PROJECT
1	<i>West Bank Sanitary Sewer Master Plan</i>	4	<i>Dravo/Munster Upgrades</i>
2	<i>First Camellia, Second Camellia, and West Camellia Lift Station Upgrades</i>	5	<i>Lafitte Area Wide Sewerage</i>
3	<i>Marrero Wastewater Treatment Plant</i>		



2.5 RESUMES OF KEY PERSONNEL PROPOSED FOR THIS DISCIPLINE

Name	<i>Donovan P. Duffy, P.E.</i>				
Firm Name	<i>Meyer Engineers, Ltd.</i>				
Discipline	<i>Civil Engineer</i>				
Role in Discipline	<i>Civil Engineer</i>				
Years of Experience	Current Firm	<i>1</i>	Total		<i>4</i>
Education (Degree and Specialization)	<i>B.S. Civil Engineering</i>				
Current Professional Registration (State and Discipline)	<i>PE/LA #41844/Civil Engineering</i>				

Other Professional Qualifications (Publications, Training, Awards, etc.)

Mr. Donovan Duffy has over five (5) years of experience in Civil and Structural Engineering and Construction Management. Mr. Duffy has extensive experience leading design and construction administration operations within a diverse range of industries and government entities. Mr. Duffy specializes in water management and drainage design, including hydraulic impact analysis. Mr. Duffy is also involved in many fields of civil engineering design including roads, drainage, sanitary sewer: collection, lift stations, force mains and treatment systems, water treatment and distribution networks, environmental and recreation. Mr. Duffy’s experience in construction administration includes coordination with contractors and clients; organization, oversight, and record-keeping of pre-construction and construction progress meetings; shop drawing review; evaluation of change orders and pay requests; and various other construction coordination responsibilities. Mr. Duffy has designed projects in accordance with DOTD’s “Roadway Design Manual”, “Hydraulics Manual”, “Bridge Manual”, AASHTO’s “Green Book”, the “Louisiana Standard Specifications for Roads and Bridges”, “American Concrete Institute Standards”, “Recommended Standards for Wastewater Facilities (Ten States Standards)” and the “AISC Manual of Steel Construction”.

Specific Experience Relative to Discipline

West Bank Sanitary Sewer Master Plan, St. Charles Parish

Mr. Duffy is the Project Engineer for preparing the *St. Charles West Bank Sewer Master Plan*. The project consists of the development of a Master Plan and Capital Improvements Plan for their *new sanitary sewer system* on the West Bank. The Master Plan will identify and prioritize capital improvements to address capacity limitations through system upgrades or rehabilitation projects to address infiltration and inflow. It will also identify and prioritize capital improvements required at the lift stations and treatment plants to handle the current 5-year and 20-year expected flows.

First Camellia, Second Camellia, and W. Camellia Sewer Lift Station Upgrades, St. Tammany Parish

Mr. Duffy is the Project Engineer for the *upgrade of the First Camellia, Second Camellia and West Camellia sewer lift stations*. The work shall include installation of new wet wells, two (2) new submersible pumps with rails at each lift station, new elevated controls, new valves, pressure gauges, ultrasonic level controls, new 6-ft. chain link fence and gate, new LED lighting, site restoration and sodding. The estimated construction cost is \$1 Million.

Upgrade to Bernhardt Pump Station and Force Main Additions, Town of Addis

Mr. Duffy was the Project Engineer for this project. He was responsible for the design, drawings, specifications and consultant coordination. Mr. Duffy assisted the Town in obtaining a \$2,500,000 loan through the *LDEQ CWSRF loan program*. The project consisted of a new wet well, piping and pumps to be installed at an existing sewer lift station. In addition to the pump station rehabilitation, two new sewer force mains were added, which included a railroad and state highway crossing.

Upgrades to Anna and Ama Pump Stations, St. Charles Parish

Mr. Duffy assisted with the design of the rehabilitation to Anna and Ama *pump stations* in St. Charles Parish. Funding for this project was provided through the *LDEQ CWSRF loan program*. Mr. Duffy was responsible for the design, permitting and specifications for this project. The project included the abandonment of Ama pump station and refurbishment of Anna pump station. As with most pump station rehabilitation projects, design considerations had to be included to allow for the sewer system to continue working throughout the entirety of construction. Mr. Duffy also provided the client with savings on the project by reusing the pumps from Ama pump station.

Pearl River Sewer Treatment Facility, Town of Pearl River

Mr. Duffy assisted with the design for the Town of Pearl River’s Sewer Treatment Facility. This project included the installation of a *two million gallon-per-day (MGD) sewer treatment plant*, and the refurbishment of the existing 1.5 MGD sewer treatment facility. Mr. Duffy was responsible for the structural design of steel walkways and equipment skids, as well as the 60’x100’ concrete foundation for the new sewer plant.



2.5 RESUMES OF KEY PERSONNEL PROPOSED FOR THIS DISCIPLINE

Name	<i>Jitendra C. Shah, P.E.</i>				
Firm Name	<i>Meyer Engineers, Ltd.</i>				
Discipline	<i>Civil Engineer</i>				
Role in Discipline	<i>Senior Project Engineer</i>				
Years of Experience	Current Firm	36	Total		47
Education (Degree and Specialization)	<i>B.S. Civil Engineering</i>				
Current Professional Registration (State and Discipline)	<i>PE/LA #19551/Civil Engineering</i>				

Other Professional Qualifications (Publications, Training, Awards, etc.)

Jitendra C. Shah has over forty-seven (47) years of Civil Engineering experience, and is involved in all aspects of administering engineering projects for Meyer Engineers, Ltd. which include client contact, cost estimates, design, construction administration, contract closeout, and preparation of reports and plans and specifications. Mr. Shah participates in most facets of Civil Engineering Design including structural, drainage, sanitary and storm sewerage, water, roads and bridges, water and sewerage treatment plants, green infrastructure, drainage and sewerage pump stations, and airport designs. As Vice President, Mr. Shah is responsible for Quality Control Peer Review for Meyer's engineering projects and has managed projects in excess of \$50 Million. Mr. Shah has completed many significant street, drainage and wastewater projects for N.O. Department of Public Works, N.O. Sewerage & Water Board, LA DOTD, Jefferson Parish, and other municipalities in the Metropolitan area. Mr. Shah's professional affiliations include membership in American Society of Civil Engineers (ASCE), Associate Member of the Institute of Transportation Engineers (ITE), Society of American Military Engineers (SAME), and American Concrete Institute (ACI).

Specific Experience Relative to Discipline

Bridge City Mini System Report, Jefferson Parish

Jitendra C. Shah was the Project Engineer on the Bridge City Mini System Report Project. The project included the preparation of a Preliminary Design Report to meet the requirements of the Jefferson Parish Sewerage Department for the rehabilitation or replacement of seventeen (17) existing pump stations, and associated sewer force or gravity mains.

Lafitte and Barataria Sewerage Collection System, Jefferson Parish

Jitendra C. Shah designed *sewerage collection systems* in Lafitte and Barataria. Design consisted of calculating flows and sizing lift stations, force mains and gravity lines. Jitendra Shah has also reviewed and made recommendations on design of lift stations by other firms. He modified the Engineering program in AutoCAD for use with these projects. These projects also required coordination with DOTD for permit acquisition, preparation of cost estimates, and coordination with consultants.

Marrero Wastewater Treatment Plant, Jefferson Parish

Jitendra C. Shah is the Project Engineer for the design and *rehabilitation of two (2) 115' diameter primary clarifiers and two (2) 95' diameter secondary clarifiers*, including the replacement and upgrade of all exterior electrical conduits, wiring, switches and outdoor lighting directly associated with the splitter box site. Design for the clarifier pump station includes the installation of three (3) 4" chopper pumps and one (1) 4" in-pipeline grinder as well as associated controls and timers and includes for the two (2) primary clarifiers that will require complete rehabilitation to include the cleaning, inspection, repair and coating of the concrete tank. Design also includes the replacement and upgrade of all interior and attached exterior electrical conduits, wiring, switches and explosion proof lighting.

Dravo/Munster Upgrades, St. Bernard Parish

Jitendra C. Shah is the Project Engineer for the *Dravo Pump Station and Munster Wastewater Treatment Plant*. Dravo Pump Station has three (3) 250 HP pumps. The construction involves removal of one (1) 250 HP pump and installation of two (2) 500 HP pumps. The scope of work includes installation of associated piping, electrical and instrumentation. This will provide additional capacity to the pump station to compensate for Parish growth since Hurricane Katrina. Munster Wastewater Treatment Plant construction involves adding one (1) new clarifier, one (1) new RAS pump, and one (1) effluent pump to the existing treatment plant. The scope of work includes installation of associated piping, electrical work and instrumentation. This will provide additional capacity to the wastewater treatment plant to compensate for Parish growth since Hurricane Katrina.

Sewer System Evaluation and Rehabilitation Program projects:

Jitendra C. Shah is the Project Engineer for the *Sewer System Evaluation and Rehabilitation Projects* for the N. O. Sewerage & Water Board. All projects consist of providing engineering services for upgrading the Sewerage and Water Board Sewer Pump Stations, including preparing a Preliminary Design Report, construction documents and providing services during bidding and construction. The design is in accordance with Sewerage and Water Board standards and Sewer System Evaluation and Rehabilitation Program (SSERP).



2.5 RESUMES OF KEY PERSONNEL PROPOSED FOR THIS DISCIPLINE

Name	Raymond G. Hartley, P.E.				
Firm Name	Meyer Engineers, Ltd.				
Discipline	Civil Engineer				
Role in Discipline	Senior Project Engineer				
Years of Experience	Current Firm	1	Total		47
Education (Degree and Specialization)	B.S. Civil Engineering				
Current Professional Registration (State and Discipline)	PE/LA #20084/Civil Engineering				

Other Professional Qualifications (Publications, Training, Awards, etc.)

Mr. Hartley has served throughout his 47-year engineering career in all aspects of engineering design, construction management and more recently into asset management and program management. He has completed successfully a multitude of projects from planning and conceptual stage through design and finally through construction. A number of these efforts required developing financial solutions to allow the project to continue. During the last five (5) years Mr. Hartley spent his time serving as a program manager of various wastewater agencies dealing with their day to day asset management issues, operational issues, and developing a strategic outlook for the sustainable growth of the agency. As the program manager of the City of Atlanta Department of Watershed Management "Clean Water Atlanta" program, Mr. Hartley worked closely with the leadership team to develop a comprehensive 10 year CIP on the water, wastewater and storm drainage utilities and to prioritize the projects in accordance with the available funding mechanism. This required multiple meetings with the department leadership, administration and council members to ensure the merits and prioritization matched the expectations of the stakeholders.

Specific Experience Relative to Discipline

Program Manager

Mr. Hartley oversaw all program employees including numerous minority business partners and developed & managed the resources on strategic initiatives as required for the watershed department to function in an optimal fashion and level. During this period, he served as Program Manager of the City of Atlanta's "Clean Water Atlanta", one of the highest-profile consent decree-driven environmental remediation programs of its kind in the nation. Public acceptance and limited financial impact on the community was critical to program success. He performed and/or oversaw the following services as part of his PM activities:

- ◆ Advised and assisted the client in development, management, and execution of its Capital Improvements Program.
- ◆ Lead and supported multi-disciplinary teams in the execution of the Water Supply Program that consisted of converting an existing stone quarry into a raw water reservoir, and installing 25,000 feet of 10-foot diameter tunnel to provide citizens/region with a 30-day supply of water.
- ◆ Developing, negotiating, and managing consultant services and their authorization for Program Management services.
- ◆ Working with Department staff in the coordination of all deliverables including presentations to mayor, council, and civic groups.

Hurricane Katrina Recovery Manager

Mr. Hartley served as Hurricane Katrina Recovery Program Manager, overseeing/managing the multi-sector efforts of a national engineering firm (MWH) on the municipal/Federal and environmental sectors of various projects for various clients in the recovery after the storm. During this period, he was responsible for securing over \$53M in new work immediately after the storm, and delivering the products in a manner that allowed FEMA to fund the majority of the cost.

Project Engineer/Project Manager

Mr. Hartley served as Project Engineer/Project Manager, provided engineering design services and construction management for **water system and wastewater system projects** which included pipelines (both new & rehabilitation projects), pump stations, and treatment plants. He also provided facility planning services on a number of projects. During this time he was promoted to be the overall project manager of a wastewater program upgrade to meet an EPA consent decree in Jefferson Parish. He was responsible for overall delivery of the design to the client, compliance with local ordinances and regulations, coordination with all client departments including sewerage, roads and bridges, water, and drainage. He was also responsible for the bidding of 16 separate contracts within the sub region, and the overall construction management (ESDC) of all aspects of this wastewater program. During the design phase he was responsible for the layout, hydraulic calculations, coordination with client, coordination with internal civil, structural and electrical staff for the preparation of plans and specifications for a 7.5 MGD Avg., 63 MGD peak wastewater treatment plant expansion/upgrade. He was directly responsible for detailed engineering design of the effluent pump station, trickling filter pumping station, blower building/blower design for sludge holding and activated sludge process, design of the belt filter presses and overall coordination between all disciplines to ensure Ten State Standards, EPA consent decree milestones and client expectations were met.



2.5 RESUMES OF KEY PERSONNEL PROPOSED FOR THIS DISCIPLINE

Name	<i>Eric Colwart, P.E.</i>				
Firm Name	<i>Meyer Engineers, Ltd.</i>				
Discipline	<i>Civil Engineer</i>				
Role in Discipline	<i>Civil Engineer</i>				
Years of Experience	Current Firm	<i>14</i>	Total		<i>14</i>
Education (Degree and Specialization)	<i>B.S. Civil Engineering</i>				
Current Professional Registration (State and Discipline)	<i>PE/LA #36290/Civil Engineering</i>				
Other Professional Qualifications (Publications, Training, Awards, etc.)					
<p>Eric Colwart has over fourteen (14) years' experience in Civil and Structural Engineering including client contact, cost estimates, design, construction administration, and preparation of reports, plans and specifications. Mr. Colwart specializes in structural engineering and municipal infrastructure projects. Structural engineering projects include analysis of existing structures and foundations, as well as design of concrete foundations and steel framing for new buildings and structures. Municipal infrastructure projects include performing hydraulic analysis and geometric design for roadway and drainage projects, and the removal and replacement of utilities. Mr. Colwart has designed projects in accordance with DOTD's "Roadway Design Manual", "Hydraulics Manual", "Bridge Manual", AASHTO's "Green Book", the "Louisiana Standard Specifications for Roads and Bridges", "American Concrete Institute Standards" and the "AISC Manual of Steel Construction". Mr. Colwart's professional memberships include ASCE and SEI.</p>					
Specific Experience Relative to Discipline					
<u><i>Mandeville Effluent Pump Station, St. Tammany Parish</i></u>					
<p>Mr. Colwart assisted with the design of a <i>new effluent pump station and UV system</i> for the Mandeville Sewerage Treatment Plant. A 6 MGD triplex pump station with 12" submersible pumps were installed with 50 HP motors. This pump station was designed to handle treated sewerage flow from the sewerage plant lagoons and discharge into the assimilation system. A new 12' x 12' x 16' concrete wet well was installed. The piping design took additional effort since very limited area was available for the project.</p>					
<u><i>Marrero Wastewater Treatment Plant, Jefferson Parish</i></u>					
<p>Mr. Colwart assisted with the design and <i>rehabilitation of two (2) 115' diameter primary clarifiers and two (2) 95' diameter secondary clarifiers</i>, including the replacement and upgrade of all exterior electrical conduits, wiring, switches and outdoor lighting directly associated with the splitter box site. Design for the clarifier pump station includes the installation of three (3) 4" chopper pumps and one (1) 4" in-pipeline grinder as well as associated controls and timers and includes for the two (2) primary clarifiers that will require complete rehabilitation to include the cleaning, inspection, repair and coating of the concrete tank. Design also includes the replacement and upgrade of all interior and attached exterior electrical conduits, wiring, switches and explosion proof lighting.</p>					
<u><i>Dravo/Munster Upgrades, St. Bernard Parish</i></u>					
<p>Mr. Colwart assisted with the design for the <i>Dravo Pump Station and Munster Wastewater Treatment Plant</i>. Dravo Pump Station has three (3) 250 HP pumps. The construction involves removal of one (1) 250 HP pump and installation of two (2) 500 HP pumps. The scope of work includes installation of associated piping, electrical and instrumentation. This will provide additional capacity to the pump station to compensate for Parish growth since Hurricane Katrina. Munster Wastewater Treatment Plant construction involves adding one (1) new clarifier, one (1) new RAS pump, and one (1) effluent pump to the existing treatment plant. The scope of work includes installation of associated piping, electrical work and instrumentation. This will provide additional capacity to the wastewater treatment plant to compensate for Parish growth since Hurricane Katrina.</p>					
<u><i>Water Line Replacement New Orleans Sewerage & Water Board, Orleans Parish</i></u>					
<p>Mr. Colwart is assisting with the design for water line replacement for the following neighborhoods in Orleans Parish: Ninth Ward, Broadmoor, Lower Ninth Ward (North), and Lower Ninth Ward (South). The work includes replacing existing 4" and 6" C.I. pipes with 8" C-900 PVC pipes and 12" C.I. pipe with 12" C-900 PVC pipe. The fire hydrants, valves and water house connections shall be replaced in accordance with Sewerage and Water Board requirements. Construction documents will be designed and drafted in accordance with Sewerage and Water Board requirements. Included in the scope of work is coordination with the City of New Orleans Department of Public Works Consultants for Street Repair/Replacement. Construction of underground and above ground infrastructure shall be completed within the same bid documents. Meyer is coordinating with the Department of Public Works, Sewerage & Water Board, and FEMA. Funding is provided through FEMA's project worksheets. Meyer is performing additional damage assessments during the construction drawing phase. Project worksheet revisions and backup data will be provided to FEMA for consideration of additional funds.</p>					



2.6 EXAMPLE PROJECTS ILLUSTRATING FIRMS QUALIFICATIONS

Firm Name	<i>Meyer Engineers, Ltd.</i>	Firm Role	<i>Prime</i>
Project Title	<i>West Bank Sanitary Sewer Master Plan</i>		
Project Key Number	<i>1</i>	Project Location	<i>St. Charles Parish</i>
Project Owner	<i>St. Charles Parish Public Works</i>	Owner's Point of Contact	<i>Mr. Miles Bingham</i>
Owner' Address	<i>100 River Oaks Drive Destrehan, LA 70047</i>	Phone Number	<i>985-783-5102</i>
		Email Address	<i>mbingham@stcharlesgov.net</i>
Services Completed	<i>On-Going</i>	Professional Services Fee	<i>\$188,500</i>
Construction Completed	<i>TBD</i>	Total Construction Cost	<i>TBD</i>

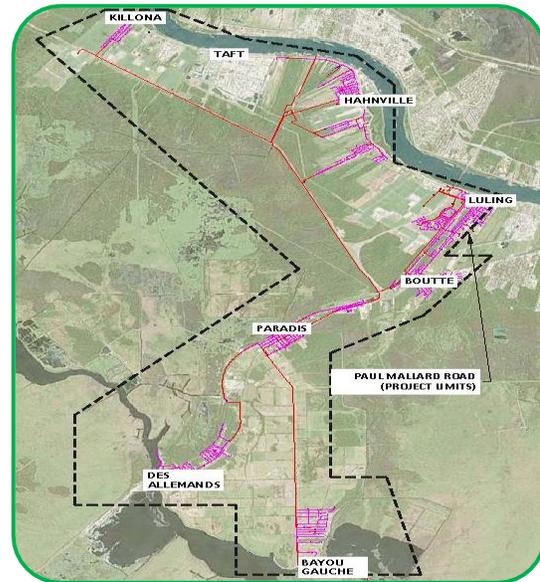
Brief Description of Project and Relevance to This Discipline

St. Charles Parish (SCP) has directed ***Meyer Engineers, Ltd.*** (Meyer) to develop a ***Master Plan and Capital Improvements Plan*** for their new sanitary sewer system on the Westbank. The goals of this project are as follows:

- ❖ To develop a Master Plan of the Westbank sanitary sewer system for which the basis and assumptions are clear and well-documented.
- ❖ To identify and prioritize capital improvements to address capacity limitations through system upgrades or rehabilitation projects to address infiltration and inflow (I/I).
- ❖ Identify and prioritize capital improvements required at the lift stations and treatment plants to handle the current, 5-year and 20-year expected flows.

The following tasks will be required for this project:

- ❖ Task 1 – Kickoff Meeting and Data Collection:
 - ◆ Task 1.1 – Project Kickoff Meeting: Meyer will conduct a meeting with SCP staff including representatives from appropriate departments. The purpose of the workshop will be to clearly define the goals, objectives, and priorities to help focus the work effort to be accomplished in this project.
 - ◆ Task 1.2 – Review of Data: Meyer will review existing studies, pump station data, GIS data, overflow records, compliant logs and other available documentation.
- ❖ Task 2 – Wastewater Flow Projections: Meyer will review available information (planning reports, water use records, etc.) on the basin service areas to understand the basis for available population/flow projections and determine if additional information is necessary for project accuracy.
- ❖ Task 3 – Identify Infiltration and Inflow Problem Areas: Meyer will identify the areas of I&I using the existing lift station run times and overflow data provided by SCP.
- ❖ Task 4 – Preliminary Modeling: Engineer will create a dynamic hydraulic model of SCP's westbank sanitary sewer system for all lift stations and gravity system for pipes greater than 8-inches in diameter using SCP's existing GIS information. The full model will be created in Phase 2 of the project; however, Meyer will coordinate model parameters and setup with SCP in Phase 1.
- ❖ Task 5 – Prepare Technical Memorandum: Meyer will prepare a draft technical memorandum that will present the results of the study and the recommended path forward. The report will serve as a reference document that SCP can use as a guide to focus on future sewer collection system improvements.



2.6 EXAMPLE PROJECTS ILLUSTRATING FIRMS QUALIFICATIONS

Firm Name	<i>Meyer Engineers, Ltd.</i>	Firm Role	<i>Prime</i>
Project Title	<i>First Camellia, Second Camellia, and West Camellia Sewer Lift Station Upgrades</i>		
Project Key Number	<i>2</i>	Project Location	<i>St. Tammany Parish</i>
Project Owner	<i>City of Slidell</i>	Owner's Point of Contact	<i>Mr. Blaine Clancy</i>
Owner' Address	<i>P.O. Box 828 Slidell, LA 70458</i>	Phone Number	<i>985-646-4270</i>
		Email Address	<i>Bclancy@cityofslidell.org</i>
Services Completed	<i>On-Going</i>	Professional Services Fee	<i>\$79,000</i>
Construction Completed	<i>TBD</i>	Total Construction Cost	<i>\$1M</i>

Brief Description of Project and Relevance to This Discipline

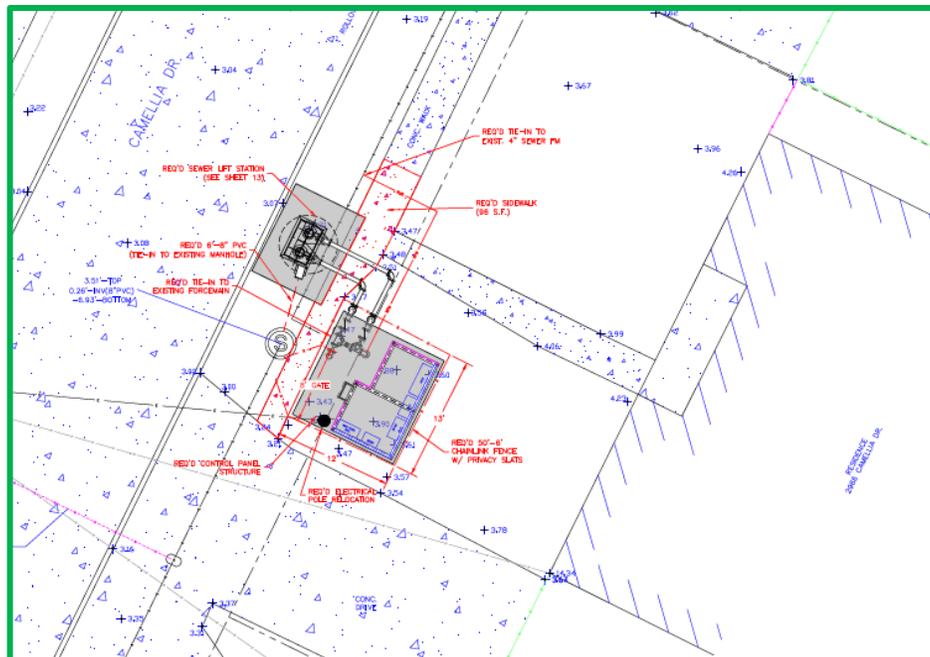
The project consists of **upgrades to the** First Camellia (PS 510), Second Camellia (PS 511) and West Camellia (PS 512) **sewer lift stations**. This project is to be funded by the LDEQ Clean Water State Revolving Fund.

Upgrades to the lift stations include:

- ◆ Install new wet wells and submersible pumps with above ground piping.
- ◆ Tie-in existing manhole to wet well.
- ◆ New control panels and platforms elevated one foot about BFE.
- ◆ New concrete top slab with hatches.
- ◆ New 6-ft. chain link fence and gate with hunter green privacy slats
- ◆ New power pole and LED site lighting.

Design of the upgrades includes the following unique design criteria and challenges:

- ◆ Pump drawdown tests to determine actual flow rate of existing lift stations.
- ◆ Connection of existing manholes and new wet well, while maintaining service to the customers.
- ◆ Footprint Limitations: Small right-of-way and easements required the layout of the lift station to be creative to fit the new wet well, above ground piping and elevated electrical platform within public right-of-way and existing lift station footprint.



2.6 EXAMPLE PROJECTS ILLUSTRATING FIRMS QUALIFICATIONS

Firm Name	<i>Meyer Engineers, Ltd.</i>	Firm Role	<i>Prime</i>
Project Title	<i>Marrero Wastewater Treatment Plant</i>		
Project Key Number	<i>3</i>	Project Location	<i>Jefferson Parish</i>
Project Owner	<i>Jefferson Parish Sewer Capital Improvements</i>	Owner's Point of Contact	<i>Mr. Sid Trouard</i>
Owner's Address	<i>1221 Elmwood Park Boulevard, Ste. 906 Harahan, LA 70123</i>	Phone Number	<i>504-736-6833</i>
		Email Address	<i>Strouard@jeffparish.net</i>
Services Completed	<i>2015</i>	Professional Services Fee	<i>\$300,000</i>
Construction Completed	<i>2015</i>	Total Construction Cost	<i>\$1.3M</i>

Brief Description of Project and Relevance to This Discipline

Meyer Engineers, Ltd.'s scope of work includes the design for ***rehabilitation of two (2) 115' diameter primary clarifiers and two (2) 95' diameter secondary clarifiers*** and includes the replacement and upgrade of all exterior electrical conduits, wiring, switches and outdoor lighting directly associated with the splitter box site.

Design for the clarifier pump station includes the installation of three (3) 4" chopper pumps and one (1) 4" in-pipeline grinder as well as associated controls and timers and includes for the two (2) primary clarifiers that will require complete rehabilitation to include the cleaning, inspection, repair and coating of the concrete tank.

Meyer's design also includes the replacement and upgrade of all interior and attached exterior electrical conduits, wiring, switches and explosion proof lighting.



2.6 EXAMPLE PROJECTS ILLUSTRATING FIRMS QUALIFICATIONS

Firm Name	<i>Meyer Engineers, Ltd.</i>	Firm Role	<i>Prime</i>
Project Title	<i>Dravo/Munster Upgrades</i>		
Project Key Number	<i>4</i>	Project Location	<i>St. Bernard Parish</i>
Project Owner	<i>St. Bernard Parish</i>	Owner's Point of Contact	<i>Mr. Matthew Falati</i>
Owner' Address	<i>8201 W. Judge Perez Chalmette, LA 70043</i>	Phone Number	<i>504-278-4228</i>
		Email Address	<i>MFalati@sbgp.net</i>
Services Completed	<i>2017</i>	Professional Services Fee	<i>\$500,000</i>
Construction Completed	<i>2017</i>	Total Construction Cost	<i>\$4.8M</i>

Brief Description of Project and Relevance to This Discipline

Meyer Engineers, Ltd. provided engineering design and construction administration to upgrade the ***Dravo Pump Station and the Munster Wastewater Treatment Plant*** in St. Bernard Parish, LA.

Upgrades to the Dravo Pump Station doubled its capacity by adding one (1) 280 HP with variable frequency drive motor to three (3) existing 250 HP pumps, along with associated piping, electrical and instrumentation.

Improvements to the Munster Treatment Plant included adding a new clarifier, a return activated sludge (RAS) pump, an effluent pump, along with associated piping, electrical, and instrumentation. The new primary clarifier is 93' in diameter with all sludge removal equipment. A new 375 HP effluent dry pit pump along with three (3) existing effluent pumps and a new 225 HP RAS pump were added to the existing three (3) RAS pumps. Also added were three (3) motorized gate operators and valves at digester basin.

These improvements intended to provide additional capacity to the Parish, allowing the stations to cope with recent growth in the area.



2.6 EXAMPLE PROJECTS ILLUSTRATING FIRMS QUALIFICATIONS

Firm Name	<i>Meyer Engineers, Ltd.</i>	Firm Role	<i>Prime</i>
Project Title	<i>Lafitte Area Wide Sewerage</i>		
Project Key Number	<i>5</i>	Project Location	<i>Jefferson Parish</i>
Project Owner	<i>Town of Jean Lafitte</i>	Owner's Point of Contact	<i>Ms. Nicole Cooper</i>
Owner's Address	<i>2654 Jean Lafitte Blvd., Lafitte, LA 70067</i>	Phone Number	<i>504-689-7801</i>
		Email Address	<i>ncooper@townofjeanlafitte.com</i>
Services Completed	<i>2002</i>	Professional Services Fee	<i>\$336,000</i>
Construction Completed	<i>2002</i>	Total Construction Cost	<i>\$27M</i>

Brief Description of Project and Relevance to This Discipline

The project consisted of Program Management, design and construction administration of the Lafitte Area Wide Sewerage Project for the Town of Jean Lafitte in Jefferson Parish. The Wastewater Collection System Phase I Project included a gravity sanitary ***sewerage collection system***. The sewerage was transported via force mains, lift stations, gravity mains, and asphalt road replacement. Meyer coordinated with the Corps of Engineers and DOTD on this project.



For Phase II Meyer performed Program Management coordinating three (3) different surveyors and four (4) different Consulting Engineers. Areas served

included the Town of Jean Lafitte, Lower Lafitte, Barataria, Jones Point and Crown Point. The work included sanitary ***sewerage***, gravity lines, force mains, lift stations, grinder pump stations, drain line repair, and asphalt road replacement. Meyer also coordinated with Community Development, DOTD, DEQ and EPA. The scope of work included review of consultant's plans and specifications, review of their pay requests, and maintaining a flow chart for Critical Path items to keep all projects and consultants ***on schedule***. The project also included development and review of property maps and coordination of an extensive right-of-way acquisition program to acquire property for the sewerage improvements.

A separate project in the Program was the Rosethorne Sewerage Treatment Plant. Meyer completed the design and construction administration of this ***sewerage treatment plant system*** to provide secondary treatment of domestic ***sewerage*** for the Lafitte Area Wide Sewerage Program. The plant process includes a mechanical bar screen, influent flow metering with a Parshall flume, extended aeration with an integral clarifier, sludge storage, effluent flow metering with a Parshall flume, and an effluent lift station to discharge to Bayou Barataria. The plant is designed to ultimately handle an average flow of 350,000 gpd (gallons per day). Also completed was the Procurement Package Project. The project included preparation of a Procurement Package for pump control panels and ultraviolet disinfection system.

Project was funded in part by a Community Development Block Grant and met the LCDBG Program requirements.



2.1 DISCIPLINE CATEGORY

Discipline for which Firm is applying?	<i>Structures</i>
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2.2 SUBCONSULTANTS

Will you use Subconsultants for any Work associated with this Discipline?	YES	X
	NO	
Name of Subconsultant	Role of Subconsultant	
<i>Surveying & Geotechnical (As Needed)</i>		

2.3 KEY PERSONNEL PARTICIPATION IN EXAMPLE PROJECTS

NAME OF KEY PERSONNEL	ROLE IN THIS PROJECT	EXAMPLE PROJECTS FROM PROJECT KEY IN 2.4				
		1	2	3	4	5
<i>Donovan P. Duffy, P.E.</i>	<i>Structural Engineer</i>				X	
<i>Mark A. Schutt, P.E.</i>	<i>Structural Engineer</i>			X		
<i>Jitendra C. Shah, P.E.</i>	<i>Structural Engineer</i>	X	X			

2.4 EXAMPLE PROJECTS KEY

No.	TITLE OF EXAMPLE PROJECT	No.	TITLE OF EXAMPLE PROJECT
1	<i>Pontiff Multi-Purpose Facility</i>	4	<i>415th Maintenance Training Bay Building, Gillis W. Long Center</i>
2	<i>St. John Sheriff's Office Indoor Range and Training Facility</i>	5	
3	<i>Bonnabel Boat Launch Sheriff Station – Laser Division</i>		



2.5 RESUMES OF KEY PERSONNEL PROPOSED FOR THIS DISCIPLINE

Name	<i>Donovan P. Duffy, P.E.</i>				
Firm Name	<i>Meyer Engineers, Ltd.</i>				
Discipline	<i>Civil Engineer</i>				
Role in Discipline	<i>Civil Engineer</i>				
Years of Experience	Current Firm	<i>1</i>	Total	<i>4</i>	
Education (Degree and Specialization)	<i>B.S. Civil Engineering</i>				
Current Professional Registration (State and Discipline)	<i>PE/LA #41844/Civil Engineering</i>				

Other Professional Qualifications (Publications, Training, Awards, etc.)

Mr. Donovan Duffy has over five (5) years of experience in Civil and Structural Engineering and Construction Management. Mr. Duffy has extensive experience leading design and construction administration operations within a diverse range of industries and government entities. Mr. Duffy specializes in water management and drainage design, including hydraulic impact analysis. Mr. Duffy is also involved in many fields of civil engineering design including roads, drainage, sanitary sewer: collection, lift stations, force mains and treatment systems, water treatment and distribution networks, environmental and recreation. Mr. Duffy’s experience in construction administration includes coordination with contractors and clients; organization, oversight, and record-keeping of pre-construction and construction progress meetings; shop drawing review; evaluation of change orders and pay requests; and various other construction coordination responsibilities. Mr. Duffy has designed projects in accordance with DOTD’s “Roadway Design Manual”, “Hydraulics Manual”, “Bridge Manual”, AASHTO’s “Green Book”, the “Louisiana Standard Specifications for Roads and Bridges”, “American Concrete Institute Standards”, “Recommended Standards for Wastewater Facilities (Ten States Standards)” and the “AISC Manual of Steel Construction”.

Specific Experience Relative to Discipline

415th Maintenance Training Bay Building, Gillis W. Long Center, Carville, LA

Mr. Duffy was the Project Engineer for this project. He was responsible for ***structural design***, drawings, specifications, and consultant coordination. The project consisted of a pre-fabricated metal building, which required a pile supported foundation. The structural slab was designed for heavy vehicle and storage loading to meet the needs of the National Guard personnel. The project also consisted of construction of a new facility 6,148 square feet pre-engineered metal building with a standing metal seam roof and wall panels on a pile supported concrete slab. The building included two pull-through training Bays, office, library, battery storage room, general storage room, men's and women's toilet room, mechanical room and a *personal protection equipment storage/locker room*. The administration/storage portion of the building both CMU and metal stud on interior walls. The site work included entrance and exit driveways, new utility connections and parking spaces. ***The project had to be completed in an extremely tight schedule of 2-1/2 months.***

Jackson Barracks Parking Lot Turn-Arounds, New Orleans, LA

Mr. Duffy was the Project Engineer he was responsible for ***structural design***, drawings, specifications, and consultant coordination. The project consisted of two concrete turnarounds at Jackson Barracks facility located at the ends of each parking lot on the west and east side of the campus and connected to the existing surface or subsurface drainage. The turnarounds had to be designed to avoid all oak trees. Due to a short design period, Mr. Duffy took several aerial photographs and used field measurements to complete his design since there was not an available survey of the site. ***The project must be awarded prior to June 30, 2018, therefore final plans and bid documents were completed April 13, 2018.***

Children’s Hospital Behavioral Health Hospital, Orleans, LA

Mr. Duffy is the Project Engineer for the expansion of the Stormwater Management Plan (SWMP) to include the parking areas. Work includes coordinating with F&J Architecture and the City of New Orleans, coordination with the City of New Orleans, stormwater drainage design to incorporate existing parking areas, revisions to the narratives and exhibits of the SWMP including drainage area maps and plans, stormwater calculations, and green infrastructure backup information.



2.5 RESUMES OF KEY PERSONNEL PROPOSED FOR THIS DISCIPLINE

Name	Mark A. Schutt, P.E.				
Firm Name	Meyer Engineers, Ltd.				
Discipline	Civil Engineer				
Role in Discipline	Structural Engineer				
Years of Experience	Current Firm	21	Total		23
Education (Degree and Specialization)	M.S. Civil Engineering B.S. Civil Engineering				
Current Professional Registration (State and Discipline)	PE/LA #30528/Civil Engineering				

Other Professional Qualifications (Publications, Training, Awards, etc.)

Mark A. Schutt, P.E. has over twenty-three (23) years' experience in Civil Engineering and Structural Engineering, and Project Management. Mr. Schutt is involved with many aspects of administering engineering projects for Meyer Engineers, Ltd. which include client contact, cost estimates, design plans and specifications, construction administration, and preparation of reports. Mr. Schutt participates in most facets of Civil Engineering design including roads, bridges, drainage, sanitary sewer, water, environmental, and structural. Mr. Schutt has specialized experience in designing a variety of recreation projects to include boat launches, fishing piers, and bike paths, and has worked on several drainage and wastewater projects in the region. Mr. Schutt's professional memberships include ASCE, APWA, LES, and NSPE.

Specific Experience Relative to Discipline

Bonnabel Sheriff Station, Jefferson Parish

Mr. Schutt performed the **structural design** for the 3,500 square foot building over Lake Pontchartrain for the Jefferson Parish Sheriff's Office. The first-floor houses two (2) 12' x 40' boat slips, six-foot pier between boat slips, two (2) 32' boat lifts and two (2) roll up doors for boat slips. The second floor contains office space with lockers, lounge, toilet room with shower, scuba room with locker and a balcony over Lake Pontchartrain.

Lafitte Seafood Pavilion, Town of Jean Lafitte

Mr. Schutt performed the **structural design** for the Lafitte Seafood Pavilion project. The project consisted of a covered open-air market pavilions and assembly space on Jean Lafitte Boulevard at Rose Thorne Park in Lafitte, Louisiana. The covered areas are approximately 24,000 square feet. The grandstand is a pre-engineered metal building system. The vending pavilions and wharf are pre-engineered shelters. The individual ancillary spaces are fresh fisheries market area, wharf, promenade, restaurant sales area, platform, restrooms, bar, café and site work.

Westwego City Hall, City of Westwego

Mr. Schutt performed the **structural design** on the Westwego City Hall project. The project consisted of a new one-story building that will primarily be a concrete slab on grade, steel frame structure, brick veneer exterior walls and the interior walls shall be metal studs with a painted, impact-resistant gypsum board finish. Spaces in the new city hall building consisted of typical City Hall Functions that included the main entrance lobby, receptionist, and bill paying area, staff office areas, Mayor's office, record storage, provisions for the Louisiana State of Motor Vehicles, City Court Room, City Council Chambers, City Council Assembly Area and an employee kitchen.

Lafitte Auditorium, Town of Jean Lafitte

Mr. Schutt performed the **structural design** of the Lafitte Auditorium. The Lafitte Auditorium project consisted of a new auditorium building for the Town of Jean Lafitte to replace the existing facility. The work consisted of building 18,000 square feet that included a main assembly hall, storage, catering kitchen, private dressing rooms, performance stage and restrooms. The main front façade of the building contains 1,000 square feet porte-cochere as well a grand entrance concrete stairs. This project is a fully funded LCDBG project.



2.5 RESUMES OF KEY PERSONNEL PROPOSED FOR THIS DISCIPLINE

Name	Jitendra C. Shah, P.E.				
Firm Name	Meyer Engineers, Ltd.				
Discipline	Civil Engineer				
Role in Discipline	Structural Engineer				
Years of Experience	Current Firm	36	Total		47
Education (Degree and Specialization)	B.S. Civil Engineering				
Current Professional Registration (State and Discipline)	PE/LA #19551/Civil Engineering				

Other Professional Qualifications (Publications, Training, Awards, etc.)

Jitendra C. Shah has forty-seven (47) years of Civil Engineering experience and is involved in all aspects of administering engineering projects which include client contact, cost estimates, design, construction administration, contract closeout, and preparation of reports and plans and specifications. Mr. Shah participates in most facets of Civil Engineering Design including structural, drainage, sanitary and storm sewerage, water, roads and bridges, water and sewerage treatment plants, green infrastructure, drainage and sewerage pump stations, and airport designs. As Vice President, Mr. Shah is responsible for Quality Control Peer Review for Meyer’s engineering projects and has managed projects in excess of \$50 Million. Mr. Shah has completed many significant street, drainage and wastewater projects for N.O. Department of Public Works, N.O. Sewerage & Water Board, LA DOTD, Jefferson Parish, and other municipalities in the Metropolitan area. Mr. Shah’s professional affiliations include membership in ASCE, ITE, SAME and ACI.

Specific Experience Relative to Discipline

St. John the Baptist Parish Sheriff’s Office Indoor Range and Training Facility, St. John the Baptist Parish

Mr. Shah performed the **structural design** for this project. He was responsible for the structural construction drawings and specifications. The project consists of two phases, Phase I of the project will consist of selective demolition of the existing bowling alley where the new facility will be constructed. Phase two of this project is the construction of a new 33,770 square foot 50-yard indoor shooting range and adjacent training facility. The indoor range will consist of 18 lanes, each 4’0“ wide, and be equipped by Meggitt Systems. A stand-alone HVAC system condition the range space only. The new indoor range will be located at the front of the building and be of CMU construction. The training facility will be a connecting metal building and will include one large classroom with access to a large kitchen, one simulation room, three offices, an entry with reception area, a large transition/cleaning area from training facility to range, an armory, restrooms including showers and lockers, a utility room, covered outdoor areas and all necessary support spaces. A limited portion of the training facility will be designed for use as an emergency operations center and require generator back-up. Particular attention to security and access are being considered during the design phase.

Pontiff Multi-Purpose Building, Jefferson Parish

Mr. Shah performed the **structural design** for the Pontiff Multi-Purpose Building. This project was for the construction of a 33,000 square foot two-story gymnasium and multi-use building at Pontiff Playground. The main focal point of the building is the court area and included the main gym floor which consists of one (1) main basketball court, two (2) half basketball courts, one (1) volleyball court, two (2) side volleyball courts and retractable bleacher seating for approximately 500 people. Other multi use spaces in the building included a large concession stand, four (4) meeting rooms, ceramics studios, playground administration offices, equipment storage, uniform storage, and a laundry room. Construction materials consisted of a structural steel frame with concrete masonry unit walls throughout and with brick masonry and metal siding exterior finishes.

Parc Des Familles Disc Golf, Jefferson Parish

Mr. Shah was the Project Manager and performed the **structural design** on the Parc Des Familles Disc Golf. The project consisted of 67-acre disc golf located in Parc Des Familles Park in Marrero, LA. The disc golf consisted of 18 holes in a hardwood cypress swamp area. The fairways are carved throughout the forested area, with the throwing lanes lined by beautiful cypress trees. The reception area will have 3-hole handicapped accessible course and putting area. The project site work included clearing, grubbing and surcharge as well as drainage.

Parc Des Familles Pavilion and Sign, Jefferson Parish

Mr. Shah was the Project Manager and performed the **structural design** of the Parc Des Familles Pavilion and Sign project. The project consisted of installation of a 20’ hexagonal pavilion, marquee entrance sign, 36’ wide decorative iron gate at the entrance with security cameras with CCTV surveillance, concrete walkway and miscellaneous site work.

Parc Des Familles Concession Stand and Press Box, Jefferson Parish

Mr. Shah was the project manager and performed the **structural design** of the Parc Des Familles Concession Stand and Press Box project. The project consisted of a new two-story building with the restroom and concession stand on the 1st floor and the press box on the 2nd floor. The building consisted of men’s restroom with three (3) toilets and three (3) urinals and women’s restroom with five (5) toilets, two (2) water fountains, press box with stair access, wireless controlled electronic scoreboards, public address system with two speakers per field. The structure of the building was concrete block and steel with a concrete decking with a standing seam metal roof.



2.6 EXAMPLE PROJECTS ILLUSTRATING FIRMS QUALIFICATIONS

Firm Name	<i>Meyer Engineers, Ltd.</i>	Firm Role	<i>Prime</i>
Project Title	<i>Pontiff Multi-Purpose Facility</i>		
Project Key Number	<i>1</i>	Project Location	<i>Jefferson Parish</i>
Project Owner	<i>Jefferson Parish Recreation Department</i>	Owner's Point of Contact	<i>Mr. Leo Webb</i>
Owner's Address	<i>6921 Saints Drive Metairie, LA 70003</i>	Phone Number	<i>504-736-6999</i>
		Email Address	<i>lwebb@jeffparish.net</i>
Services Completed	<i>2011</i>	Professional Services Fee	<i>\$680,000</i>
Construction Completed	<i>2011</i>	Total Construction Cost	<i>\$5.9M</i>

Brief Description of Project and Relevance to This Discipline

Since Pontiff Gymnasium was severely damaged by Hurricane Katrina, Jefferson Parish Officials asked Meyer Engineers, Ltd. to demolish the existing gym and design a new gymnasium that would satisfy the new hurricane resistant codes.



The new **33,000 square foot two story gym** consisted of one (1) main basketball court, two (2) side basketball courts, one (1) main volleyball court, two (2) side volleyball courts, retractable bleacher seating for approximately 500 people, a large concession stand that serves occupants inside and outside the gym simultaneously, four (4) large meeting rooms, a ceramics studio, playground administrative offices, equipment storage, uniform storage and a large laundry room.



This building was fully funded by FEMA and is a custom designed steel frame structure using heavy gauge metal studs with a brick veneer finish for the exterior walls. All interior walls are made with concrete masonry units. Because Pontiff Playground is frequently used as a retention pond during severe rain events, the building was constructed well above the base flood elevation. The scope of work included coordination with the Jefferson Parish Department of Parish Parks & Recreation and FEMA. This was a fully funded FEMA project.



2.6 EXAMPLE PROJECTS ILLUSTRATING FIRMS QUALIFICATIONS

Firm Name	<i>Meyer Engineers, Ltd.</i>	Firm Role	<i>Prime</i>
Project Title	<i>St. John Sheriff's Office Indoor Range & Training Facility</i>		
Project Key Number	<i>2</i>	Project Location	<i>St. John the Baptist Parish</i>
Project Owner	<i>St. John the Baptist Sheriff's Office</i>	Owner's Point of Contact	<i>Chief Civil Deputy Jeffrey Clement</i>
Owner' Address	<i>P.O. Box 1600 LaPlace, LA 70069</i>	Phone Number	<i>985-652-9516</i>
		Email Address	<i>jeff.clement@stjohnsheriff.org</i>
Services Completed	<i>2019</i>	Professional Services Fee	<i>\$568,000</i>
Construction Completed	<i>07/2020</i>	Total Construction Cost	<i>\$5.5M</i>

Brief Description of Project and Relevance to This Discipline

This project consists of the selective demolition of an existing bowling alley and construction of a ***new indoor range and training facility*** in LaPlace, Louisiana. The existing property is located at 947 Cambridge Drive, LaPlace, LA 70068.

PHASE I – SELECTIVE DEMOLITION

Phase I of this project consisted of selective demolition of an existing 1980's bowling alley originally to be used as the shooting range and training facility for St. John the Baptist Parish Sheriff's Office. The existing building was in poor condition and unable to house the intended future shooting range and training facility. Much of the building was demolished with the exception of three structural bays of the existing metal building portion of the existing building along with the associated slab below. There were three major servitudes (Entergy transmission & distribution and a Shell gas pipe) which cross through the site creating a very restricted area for demolition crews to work. A small portion of the building was within the 100' transmission servitude. Special permission was obtained from both Entergy Departments and Shell to allow for demolition work equipment with each servitude as well as additional permission to perform demolition work within the transmission servitude.



PHASE II – DESIGN

Phase II of this project will be the ***construction of a new 50-yard indoor range and adjacent training facility***. The indoor range will consist of 18 lanes, each 4'-0" wide, and be equipped by Meggitt Systems. HVAC will be a stand-alone system conditioning the range space only. The new indoor range will be located at the front of the building and be of CMU construction. An overhead door will be included to allow for vehicular access on both sides of the range.



The ***training facility*** will be located behind the indoor range and utilize the salvaged metal building slab and structural members. The training facility will ***include one large classroom with access to a large kitchen, one simulation room, three offices, an entry with reception area, a large transition/cleaning area from training facility to range, an armory, restrooms including showers and lockers, a utility room, covered outdoor areas and all necessary support spaces***. The kitchen and utility room are to include commercial equipment. The building should be designed to allow for future expansion. A limited portion of the training facility will be designed for use as emergency operations center and require generator back-up. Attention to security and access will be necessary.



2.6 EXAMPLE PROJECTS ILLUSTRATING FIRMS QUALIFICATIONS

Firm Name	<i>Meyer Engineers, Ltd.</i>	Firm Role	<i>Prime</i>
Project Title	<i>Bonnabel Boat Launch Sheriff Station – Laser Division</i>		
Project Key Number	<i>3</i>	Project Location	<i>Jefferson Parish</i>
Project Owner	<i>Jefferson Parish Sheriff's Office</i>	Owner's Point of Contact	<i>Mr. Paul Rivera</i>
Owner's Address	<i>1233 Westbank Expressway, Building B, 5th Floor, Harvey, LA 70058</i>	Phone Number	<i>504-363-5777</i>
		Email Address	<i>rivera_pc@JPSO.com</i>
Services Completed	<i>2012</i>	Professional Services Fee	<i>\$83,000</i>
Construction Completed	<i>2012</i>	Total Construction Cost	<i>\$924,000</i>

Brief Description of Project and Relevance to This Discipline

Meyer's scope of work for the Bonnabel Sheriff Station Land Air Sea Emergency Rescue Division included the design of a **two story 3,500 square foot building** sits in the waters of Lake Pontchartrain so that on the lower level of the Sheriff's Office. The first-floor houses two boat slips with boat lifts for emergency rescue aquatic vehicles.



The second level was divided into two areas. At first glance one area appears as any other typical office space with gypsum board walls, carpeted floors and acoustical tile ceilings. Spaces consist of offices, a large multipurpose room and a break area. However, the aquatic area was designed as wet areas to house scuba gear, lockers, dressing area and shower facilities. The aquatic area is finished in ceramic tile walls, sealed concrete floors and painted moisture resistant gypsum board ceilings. Balconies protrude from three sides of the aquatic area to provide optimal site lines to the lake. The building has a three-sided view of the lake including a balcony that wraps two sides of the building over Lake Pontchartrain.

This building was designed as a custom cast-in-place concrete structure with integral colored blocked concrete walls and furred out gypsum board walls on the interior. The roof is framed with pre-engineered light gauge metal trusses. The building is equipped with an emergency generator and HVAC equipment on a balcony near the second-floor entrance included in the building design. New utilities were included in the building design. Because this facility serves as an emergency management office, a continuous run emergency generator was installed.



2.6 EXAMPLE PROJECTS ILLUSTRATING FIRMS QUALIFICATIONS

Firm Name	<i>Meyer Engineers, Ltd.</i>	Firm Role	<i>Prime</i>
Project Title	<i>415th Maintenance Training Bay Building, Gillis W. Long Center</i>		
Project Key Number	<i>4</i>	Project Location	<i>Iberville Parish</i>
Project Owner	<i>Louisiana Military Department Construction & Facilities Management Office</i>	Owner's Point of Contact	<i>Mr. Scott Mucci (1LT)</i>
Owner' Address	<i>6400 St. Claude Avenue, Building 3022, New Orleans, LA 70117</i>	Phone Number	<i>504-278-8616</i>
		Email Address	<i>scott.m.mucci.mil@mail.mil</i>
Services Completed	<i>2019</i>	Professional Services Fee	<i>\$87,000</i>
Construction Completed	<i>2019</i>	Total Construction Cost	<i>\$978,000</i>

Brief Description of Project and Relevance to This Discipline

This **building**, located at the Gillis Long 415th Maintenance Division in Carville, Louisiana in Iberville Parish, was designed to service several diverse types of military vehicles operated by the Louisiana National Guard. This building will also be used as a facility to train new personnel the discipline of maintaining and repairing these precision machines that may one day be deployed in a military conflict.

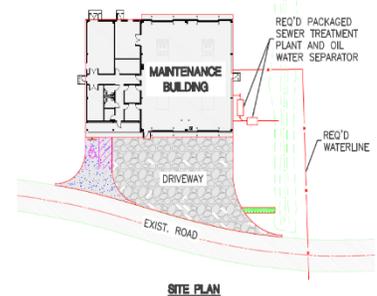


This **6,150 square foot building** included two (2) maintenance bays that military vehicles could pull in one end of the building and exit out of the other end. Other ancillary spaces in the building included a supervisor's office, library, ADA accessible men's and women's restrooms, general storage room, mechanical room, and a personal protection equipment storage/locker room. Emergency showers and eye wash stations were also included in the design.



The building was constructed using a pre-engineered metal building with a standing metal seam roof and standard metal R wall panels for exterior siding. The building foundation is a concrete slab on pile supported concrete grade beams. Interior partitions are metal studs with a painted gypsum board finish. A three (3) hour Concrete Masonry Unit (CMU) wall separates the Maintenance Bays from the Administration Areas. The civil site work includes entrance and exit driveways, new utility connections and parking spaces. The sewerage system included an oil water separator and a packaged sewer treatment plant.

On this project Meyer Engineers provided architectural, civil and structural engineering, site planning, project scheduling and cost estimating services. Meyer's consultants provided geotechnical engineering, surveying, mechanical, electrical, plumbing, fire alarm and sprinkler engineering. Basic Services included schematic design, design development, construction documents, bidding and construction administration. The work also had to be carefully coordinated with the United States Army Corps of Engineers for a levee permit due to the building's close proximity to the Mississippi River.



Meyer Engineers, Ltd.
Engineers & Architects

2.1 DISCIPLINE CATEGORY

Discipline for which Firm is applying?	<i>Traffic/Transportation Planning</i>
----------------------------------------	----------------------------------------

2.2 SUBCONSULTANTS

Will you use Subconsultants for any Work associated with this Discipline?	YES	X
	NO	
Name of Subconsultant	Role of Subconsultant	
<i>Urban Systems</i>	<i>Traffic Counting/Planning</i>	

2.3 KEY PERSONNEL PARTICIPATION IN EXAMPLE PROJECTS

NAME OF KEY PERSONNEL	ROLE IN THIS PROJECT	EXAMPLE PROJECTS FROM PROJECT KEY IN 2.4				
		1	2	3	4	5
<i>David H. Dupre, P.E.</i>	<i>Civil Engineer</i>				X	
<i>Ann M. Theriot, P.E.</i>	<i>Civil Engineer</i>			X		
<i>Tim Jackson</i>	<i>Planner</i>	X	X			

2.4 EXAMPLE PROJECTS KEY

No.	TITLE OF EXAMPLE PROJECT	No.	TITLE OF EXAMPLE PROJECT
1	<i>Bainbridge Street Access to MSY (Stage 0 Study)</i>	4	<i>Veterans Boulevard Corridor (Virginia Street – Belleview Boulevard) Infrastructure Assessment</i>
2	<i>Severn Avenue Corridor Improvements</i>	5	
3	<i>Claiborne Corridor Streetscape Improvements</i>		



2.5 RESUMES OF KEY PERSONNEL PROPOSED FOR THIS DISCIPLINE

Name	David H. Dupre, P.E.				
Firm Name	Meyer Engineers, Ltd.				
Discipline	Civil Engineer				
Role in Discipline	Senior Project Engineer				
Years of Experience	Current Firm	32	Total		35
Education (Degree and Specialization)	B.S. Civil Engineering				
Current Professional Registration (State and Discipline)	PE/LA #23422/Civil Engineering				

Other Professional Qualifications (Publications, Training, Awards, etc.)

David H. Dupré has over thirty-five (35) years of experience in Civil and Structural Engineering, Project Management and Construction Management. Mr. Dupré is involved with all aspects of administering engineering projects for Meyer Engineers, Ltd. which include client contact, cost estimates, design plans and specification, construction administration, and preparation of reports. Mr. Dupre participates in most facets of Civil Engineering design including roads, bridges, drainage, sanitary sewer, water, and environmental. Mr. Dupre specializes in Project Management and Infrastructure Design. Mr. Dupre is a board member and former New Orleans Chapter President of American Council of Engineering Companies (ACEC). In 2016, Mr. Dupre was honored in receiving the Outstanding Civil Engineer award from the New Orleans Branch of the American Society of Civil Engineers (ASCE). Mr. Dupre is also a member of SAME, ASCE, APWA, CMAA and LES. David H. Dupre has made modifications to the firm's Project Managements Checklists (Project Management Checklists and forms are used for quality control). David H. Dupre has designed projects in accordance with DOTD's Manual for "Roadway Design", "Hydraulics Manual", "Bridge Manual", and the "Louisiana Standard Specification for Roads and Bridges." David H. Dupre is certified in Local Public Agency Qualification Core Training, Designing Streets for Pedestrian & Bicycle Safety, Traffic Control Technician, and Traffic Control Supervisor. David H. Dupre is a member of ASCE, SAME, and LES. He is also the New Orleans Chapter President of American Council of Engineering Companies (ACEC).

Specific Experience Relative to Discipline

Veterans Boulevard Corridor (Virginia Street – Belleview Boulevard, Infrastructure Assessment Jefferson Parish

Mr. Dupre was the Project Manager for the Veterans Boulevard Corridor project. The project consisted of developing a **Master Plan for the infrastructure needs** along Veterans Boulevard from near Loyola Boulevard to Williams Boulevard. In anticipation of the massive redevelopment of the Louis Armstrong New Orleans International Airport, City of Kenner Officials were concerned with the increased infrastructure needs of this corridor. Meyer performed field investigations and developed an inventory of the various infrastructure systems existing within the study area. A key part of the planning effort was evaluating each system to reflect the likely need for capacity-related improvements based on anticipated development resulting from the Airport's new north terminal. Infrastructure analyzed included streets, sidewalks, drainage, signage, beautification, water, sewer, electrical, cable and natural gas. The estimated construction cost is \$6.1 Million.

State Project No. H.007272: Howard Avenue Extension (Loyola Avenue – LaSalle Street), Orleans Parish

Mr. Dupre is the Project Manager for the Howard Avenue Extension. The project consists of a **1,600' long roadway** and subsurface drainage. The two-lane curbed roadway includes turn lanes. Other items include base course, 7' wide sidewalks, ADA complaint ramps, striping, traffic signals and street lighting. The estimated construction cost is \$3.2 Million.

Claiborne Corridor Cultural Innovation District, Orleans Parish

Mr. Dupre is the Project Manager providing design and construction phase services consisting of architectural, structural, mechanical and electrical. The services include confirming the scope of work, coordinating/collaborating with cultural design consultant, preparing Preliminary Design Documents and cost estimates, preparing Construction Documents in accordance with the City, LA Department of Transportation and Development, and Federal Highway Administration's "Green Highway" design standards, and applicable building codes. The design consists of a **community space and marketplace** on Claiborne Avenue beneath the elevated I-10 Expressway. The project will extend between Canal Street and St. Bernard Avenue with future expansion between Orleans Avenue and Esplanade Avenue. The community space will include fresh produce, seafood, all meat sales, arts and crafts sales, prepared food sales, event production/presentation space, community classroom space, educational demonstration areas, youth engagement space, restrooms, public gathering areas, parking areas, and the pathways in connection between the CID and the surrounding community. The physical infrastructure includes drainage, irrigation, fencing, lighting, utility connections, tree canopy, sidewalks and additional landscape considerations. The estimated construction cost is \$2 Million.

Severn Avenue Corridor Improvements (RPC Task A-1.13), Jefferson Parish

Mr. Dupre is the Project Manager for the Severn Avenue Corridor **Study** which will foster connectivity and provide a **complete streets approach emphasizing pedestrian, bicycle and transit access**, and safety along Severn Avenue from West Esplanade to Veterans Boulevard. In order to accomplish this goal, a Project Management Committee (PMC) was formed to guide the analysis and recommend alternatives. Gathered information regarding existing utilities, land use and traffic. Once this information was analyzed and field visits were completed, conceptual designs were presented to the PMC. A Stage 0 Feasibility Study has been completed so the Regional Planning Commission can move forward with securing funding for the selected alternative. The selected alternate included 8' wide sidewalks, bike lanes, landscaping, decorative pavement, pedestrian cross signals, and major drainage improvements. Mr. Dupre coordinated with the Regional Planning Commission, Jefferson Parish Engineers and Planners, Jefferson Parish President and Councilman, DOTD, JEDCO and the Project Management Committee. The estimated construction cost is \$2.9M.



Meyer Engineers, Ltd.
Engineers & Architects

2.5 RESUMES OF KEY PERSONNEL PROPOSED FOR THIS DISCIPLINE

Name	<i>Ann M. Theriot, P.E.</i>				
Firm Name	<i>Meyer Engineers, Ltd.</i>				
Discipline	<i>Civil Engineer</i>				
Role in Discipline	<i>Project Engineer</i>				
Years of Experience	Current Firm	<i>30</i>	Total		<i>32</i>
Education (Degree and Specialization)	<i>B.S. Civil Engineering</i>				
Current Professional Registration (State and Discipline)	<i>PE/LA #25155/Civil Engineering</i>				

Other Professional Qualifications (Publications, Training, Awards, etc.)

Ann M. Theriot is involved in many aspects of the engineering projects for Meyer Engineers, Ltd. These aspects include preparation of reports, plans and specifications. Ann M. Theriot also has experience in the design of bicycle/pedestrian systems, roadways, levees and parking lots, sanitary sewer systems, subsurface drainage systems, and water systems; drainage analysis, calculations of project quantities, cost estimates and writing job specifications.

Specific Experience Relative to Discipline

Severn Avenue Corridor Improvements (RPC Task A-1.13), Jefferson Parish

Ms. Theriot was the Project Engineer for the Severn Avenue Corridor *Study* which will foster connectivity and provide a ***complete streets approach emphasizing pedestrian, bicycle and transit access***, and safety along Severn Avenue from West Esplanade to Veterans Boulevard. In order to accomplish this goal, a Project Management Committee (PMC) was formed to guide the analysis and recommend alternatives. Gathered information regarding existing utilities, land use and traffic. Once this information was analyzed and field visits were completed, conceptual designs were presented to the PMC. A ***Stage 0 Feasibility Study*** has been completed so the Regional Planning Commission can move forward with securing funding for the selected alternative. The selected alternate included 8' wide sidewalks, bike lanes, landscaping, decorative pavement, pedestrian cross signals, and major drainage improvements. Coordinated with the Regional Planning Commission, Jefferson Parish Engineers and Planners, Jefferson Parish President and Councilman, DOTD, JEDCO and the Project Management Committee. The estimated construction cost is \$2.9M.

LA Hwy. 21 – Bicycle and Pedestrian Improvements Feasibility Study (RPC Task MC 5-13), St. Tammany Parish

Ms. Theriot was the Project Engineer for the LA Hwy. 21 – ***Bicycle and Pedestrian Improvements***. The study involved reviewing large-scale residential development on large lots and accompanying retail and commercial development along rural roadways which has resulted in widening projects to accommodate growth in traffic along LA 21 that acts as a major arterial corridor between Covington, LA and Madisonville/Mandeville city limits in St. Tammany Parish. The Regional Planning Commission is reviewing the LA 21 corridor to investigate enhancements to bicycle and pedestrian mobility and safety and to reduce congestion and improve air quality. Meyer prepared a final report of all study findings. The construction cost for all alternatives was \$13.3 Million.

Veterans Boulevard Corridor (Virginia Street – Belleview Boulevard, Infrastructure Assessment Jefferson Parish

Ms. Theriot was the Project Engineer for the Veterans Boulevard Corridor project. Ms. Theriot developed a ***Master Plan for the infrastructure needs*** along Veterans Boulevard from near Loyola Boulevard to Williams Boulevard. In anticipation of the massive redevelopment of the Louis Armstrong New Orleans International Airport, City of Kenner Officials were concerned with the increased infrastructure needs of this corridor. Ms. Theriot performed field investigations and developed an inventory of the various infrastructure systems existing within the study area. A key part of the planning effort was evaluating each system to reflect the likely need for capacity-related improvements based on anticipated development resulting from the Airport's new north terminal. Infrastructure analyzed included streets, sidewalks, drainage, signage, beautification, water, sewer, electrical, cable and natural gas. The estimated construction cost is \$6.1 Million.

Mandeville Bicycle/Pedestrian Master Plan, St. Tammany Parish

Ms. Theriot was the Project Engineer for the ***Mandeville Bicycle/Pedestrian Master Plan*** for the City of Mandeville which provided ***alternative transportation features***. The Master Plan suggested routes such as ***bicycle and pedestrian routes***, improvements necessary for these routes and prioritized construction of these routes. The Master Plan was based on general trail characteristics outlined in AASHTO's "Guide for the Development of Bicycle Facilities" and RPC's sponsored course "Designing Streets for Pedestrian and Bicycle Safety." The plan also investigated ***complex pedestrian crossings*** at intersections including Monroe Street at Causeway Boulevard. Ms. Theriot conducted several meetings, including a public meeting, to gather input for the most desirable routes. Ms. Theriot coordinated with many agencies including Mandeville's Planning and Zoning Board, Mandeville Public Works Department, the Mandeville Council, the Regional Planning Commission, and the Causeway Commission. The estimated construction cost is \$2.6 M.



2.5 RESUMES OF KEY PERSONNEL PROPOSED FOR THIS DISCIPLINE

Name	Tim Jackson, FAICP				
Firm Name	Meyer Engineers, Ltd.				
Discipline	Planner				
Role in Discipline	Planner				
Years of Experience	Current Firm	14	Total		30
Education (Degree and Specialization)	Master of Urban & Regional Planning				
Current Professional Registration (State and Discipline)					

Other Professional Qualifications (Publications, Training, Awards, etc.)

Tim Jackson, FAICP is a professional planner with over 30 years of experience in both public and private sectors. Mr. Jackson has worked as a planner for the City of Kenner and was Planning Director in Mandeville and Slidell, LA. He also spent more than 20 years as a planning, land use and zoning consultant. His focus has been on land use planning, development regulations and public policy at the local government level. Mr. Jackson and Meyer have worked closely evaluating zoning codes and providing recommendations to the Mandeville City Council. Mr. Jackson with the technical support of Meyer staff developed zoning amendments to limit big box development impact on adjacent residential developments. Mr. Jackson developed a system which he would consolidate technical recommendations and propose zoning modifications to the City Council. While with Meyer, Mr. Jackson also performed these services for the Parish of St. John. In 2001 Mr. Jackson was appointed to the New Orleans City Planning Commission and served eight years, including three years as Chairman. During his service with the Planning Commission, Mr. Jackson helped guide the City through the Comprehensive Planning process, which successfully culminated in the adoption, in January 2010, of the City of New Orleans' first ever Comprehensive Plan. Mr. Jackson is also very active in the American Planning Association (APA) and is a Past President of the Louisiana Chapter APA. He has been a member of the American Institute of Certified Planners (AICP) since 1995 and was selected to the AICP College of Fellows in 2018.

Specific Experience Relative to Discipline

New Orleans City Planning Commission, Orleans Parish

As a Planning Administrator, Mr. Jackson reviewed and developed amendments to the City's **Master Plan**. Mr. Jackson reviewed and evaluated requests for rezoning, conditional use, and other development proposals that included required stormwater management plans.

University of New Orleans, Division of Planning

Mr. Jackson facilitated the **comprehensive planning process**, including data collection, public participation and analysis for the City of Kenner and St. John Parish. Mr. Jackson facilitated the **master plan process** and prepared resilience-oriented development and zoning regulations for those communities, which included stormwater management policies and regulations.

Planning and Zoning Land Use Consultant

Mr. Jackson assisted numerous local government entities on a variety of **land use and zoning issues** and projects including comprehensive and strategic plan facilitation and preparation; drafting and revising zoning ordinances, stormwater management policies and regulations, subdivision requirements and other development regulatory tools used by local governments; and prepared numerous grant applications for federal Transportation Enhancement and similar funding programs. These projects resulted in over a dozen bike and pedestrian projects for the City of Mandeville, St. John Parish, City of Harahan, and other communities totaling over \$1 Million.

Planning and Permits Director, City of Slidell

Mr. Jackson led a department of five employees, including planners and support staff, charged with all **planning and zoning related matters**, including implementing design guidelines in Olde Towne Slidell and adoption of the first City of Slidell Master Plan in 2008.

Planning and Permits Director, City of Mandeville

Mr. Jackson headed the Planning and Permits Department for the City of Mandeville. He responsible for all **planning, zoning, code enforcement, development initiatives, proposals and projects** for a fast-growing municipality. Mr. Jackson implemented the Comprehensive Land Use Regulations Ordinance. Mr. Jackson reviewed and evaluated requests for rezoning, conditional use permits and annexation and prepared the City's first Bicycle and Pedestrian Master Plan.



2.6 EXAMPLE PROJECTS ILLUSTRATING FIRMS QUALIFICATIONS

Firm Name	<i>Meyer Engineers, Ltd.</i>	Firm Role	<i>Prime</i>
Project Title	<i>Bainbridge Street Access to MSY (Stage 0 Study)</i>		
Project Key Number	<i>1</i>	Project Location	<i>Jefferson Parish</i>
Project Owner	<i>Regional Planning Commission</i>	Owner's Point of Contact	<i>Mr. Tom Haysley</i>
Owner's Address	<i>10 Veterans Boulevard New Orleans, LA 70124</i>	Phone Number	<i>504-483-8500</i>
		Email Address	<i>thaysley@norpc.org</i>
Services Completed	<i>2018</i>	Professional Services Fee	<i>\$80,000</i>
Construction Completed	<i>N/A</i>	Total Construction Cost	<i>\$26.2M</i>

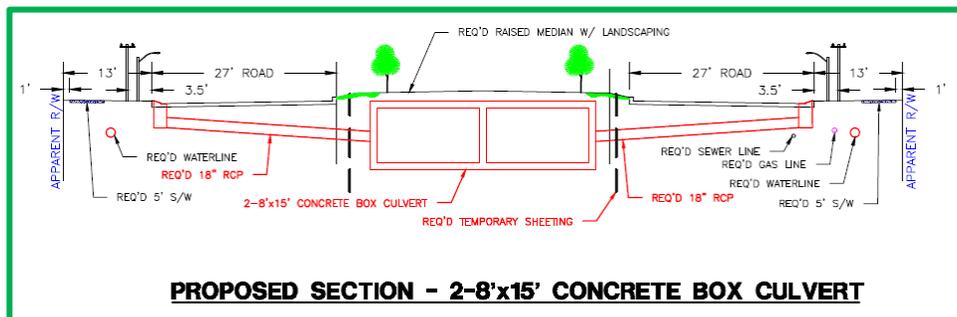
Brief Description of Project and Relevance to This Discipline

Meyer Engineers, Ltd. (Meyer) completed the ***Intermodal Access/Impact Study***. The purpose of this study is to develop, define, and analyze a range of feasible improvements to Bainbridge Street, between the Louis Armstrong New Orleans International Airport (LANOIA) campus and Veterans Boulevard. The project defined and quantified LANOIA related ***traffic impacts on the roadway***, as well as reasonably forecastable land use changes and corresponding trip generation patterns envisioned in the adjacent area controlled by the City of Kenner.



Meyer worked with the LANOIA to provide information related to Airport plans for the use of Bainbridge Street pertaining to identification of airport facilities that will be accessed by this roadway and planned phasing of these facilities, and expected traffic volumes. Meyer worked with the City of Kenner to obtain existing communications, water, sewer, drainage, natural gas, and electric lines.

Meyer, with sub consultant ITS Regional, collected bidirectional ***24-hour traffic classification counts at five locations along the Bainbridge and Veterans Boulevard Corridor***. Meyer developed and evaluated concepts, based on agency and stakeholder input, to improve capacity and operational efficiency of Bainbridge Street. Meyer provided a conceptual plan of these alternatives on an aerial map with apparent right-of-way information in order to analyze basic feasibility and cost of alternatives. Meyer evaluated impacts on airport access, existing land use and utility infrastructure, and ability to manage future traffic volumes. Meyer evaluated the required drainage flow for Canal #19, which is in the median of Bainbridge Street. Meyer recommended dual 8' x 15' concrete box culverts. Meyer developed a cost estimate for each proposed project concept.



2.6 EXAMPLE PROJECTS ILLUSTRATING FIRMS QUALIFICATIONS

Firm Name	<i>Meyer Engineers, Ltd.</i>	Firm Role	<i>Prime</i>
Project Title	<i>Severn Avenue Corridor Improvements</i>		
Project Key Number	<i>2</i>	Project Location	<i>Jefferson Parish</i>
Project Owner	<i>Regional Planning Commission</i>	Owner's Point of Contact	<i>Ms. Maggie Woodruff</i>
Owner's Address	<i>10 Veterans Boulevard New Orleans, LA 70124</i>	Phone Number	<i>504-483-8500</i>
		Email Address	<i>mwoodruff@norpc.org</i>
Services Completed	<i>2014</i>	Professional Services Fee	<i>\$82,000</i>
Construction Completed	<i>N/A</i>	Total Construction Cost	<i>\$2.9M</i>

Brief Description of Project and Relevance to This Discipline

Meyer Engineers, Ltd.'s role in the Severn Avenue Corridor ***Study*** is to foster connectivity and provide a ***complete streets approach emphasizing pedestrian, bicycle and transit access***, and safety along Severn Avenue from West Esplanade to Veterans Boulevard. In order to accomplish this goal, a Project Management Committee (PMC) was formed to guide the analysis and recommend alternatives.

Meyer Engineers, Ltd. gathered information regarding existing utilities, land use and traffic. Once this information was analyzed and field visits were completed, conceptual designs were presented to the PMC. A Stage 0 Feasibility Study has been completed so the Regional Planning Commission can move forward with securing funding for the selected alternative.

The selected alternate included 8' wide sidewalks, ***bike lanes***, landscaping, decorative pavement, ***pedestrian cross signals***, and major drainage improvements. ***Meyer Engineers, Ltd.*** coordinated with the Regional Planning Commission, Jefferson Parish Engineers and Planners, Jefferson Parish President and Councilman, DOTD, JEDCO and the Project Management Committee.



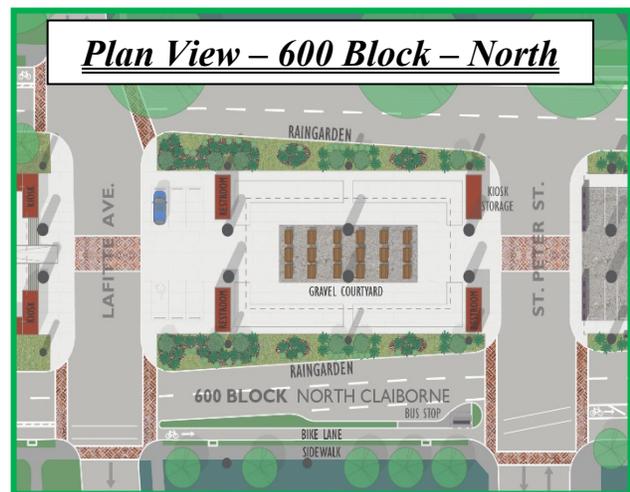
2.6 EXAMPLE PROJECTS ILLUSTRATING FIRMS QUALIFICATIONS

Firm Name	<i>Meyer Engineers, Ltd.</i>	Firm Role	<i>Prime</i>
Project Title	<i>Claiborne Corridor Streetscape Improvements</i>		
Project Key Number	<i>3</i>	Project Location	<i>Orleans Parish</i>
Project Owner	<i>New Orleans Business Alliance for Economic</i>	Owner's Point of Contact	<i>Ms. Asali DeVan Ecclesiastes</i>
Owner's Address	<i>1250 Poydras Street, Ste. 2150 New Orleans, LA 70113</i>	Phone Number	<i>504-934-4573</i>
		Email Address	<i>adecclesiastes@nolaba.org</i>
Services Completed	<i>On-Going</i>	Professional Services Fee	<i>\$353,000</i>
Construction Completed	<i>TBD</i>	Total Construction Cost	<i>TBD</i>

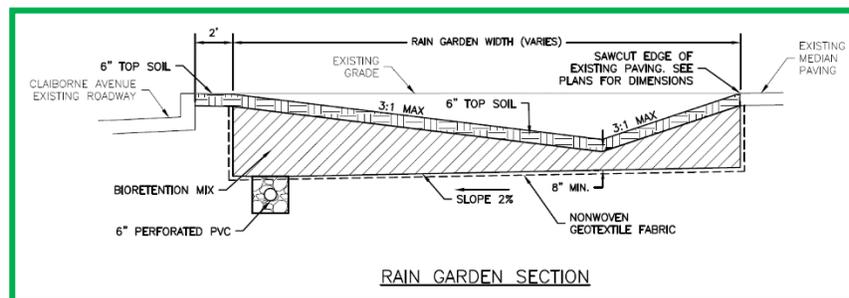
Brief Description of Project and Relevance to This Discipline

Meyer Engineers, Ltd. has completed the Master Plan and the design for Phase I for the Claiborne Corridor. The Master Plan for the Claiborne Corridor Cultural Innovation District (CID) provides a guide for future development. The **19-block corridor** is on North Claiborne Avenue, from Canal Street to St. Bernard Avenue, typically underneath the I-10 bridge.

The **Master Plan** identifies a vision for the future based on shared goals identified by the community for cultural preservation, economic opportunity, housing affordability, transportation choice and access, environmental sustainability, and healthy neighborhoods. As a culture-based economic driver, the CID will support indigenous entrepreneurs and culture bearers in achieving their goals for equitable and sustainable community development.



Elements of the Master Plan include urban **streetscape**, **green infrastructure**, **landscaping with rain gardens**, rainwater harvesting pools, skate park, picnic areas, world class marketplace with kiosks (for arts, crafts, produce, and seafood vendors), performance stages with amphitheater seating, playgrounds, basketball courts, a four (4) block pedestrian plaza, youth city hall, non-profit campus offices, outdoor café, restrooms, **bike lanes**, **sidewalks**, **decorative light poles**, demolition of the Esplanade I-10 ramp, and a roundabout at St. Bernard Avenue and North Claiborne. *Meyer conducted several public meetings*, completed detailed cost estimates and schedules for implementation. The Phase I plans include **bioswales with landscaping**, tying into the bridge's drainage system and diverting the storm water into the **bioswales**, subsurface drain line tie-ins, kiosks, mural paintings on bridge columns, restroom with water line and sewer line tie-ins, a decorative canopy under the bridge, electrical service and **lighting**. Design consisted of civil, architectural, structural, mechanical, electrical and landscaping. Meyer had **extensive coordination in acquiring the DOTD Permits** as this project was **unusual in creating a bioswale in the median of DOTD's road** and tying into the bridge's drain line.



2.6 EXAMPLE PROJECTS ILLUSTRATING FIRMS QUALIFICATIONS

Firm Name	<i>Meyer Engineers, Ltd.</i>	Firm Role	<i>Prime</i>
Project Title	<i>Veterans Boulevard Corridor (Virginia Street – Belleview Boulevard) Infrastructure Assessment</i>		
Project Key Number	<i>4</i>	Project Location	<i>Jefferson Parish</i>
Project Owner	<i>Regional Planning Commission</i>	Owner's Point of Contact	<i>Ms. Maggie Woodruff</i>
Owner's Address	<i>10 Veterans Boulevard New Orleans, LA 70124</i>	Phone Number	<i>504-483-8500</i>
		Email Address	<i>mwoodruff@norpc.org</i>
Services Completed	<i>2015</i>	Professional Services Fee	<i>\$60,000</i>
Construction Completed	<i>N/A</i>	Total Construction Cost	<i>TBD</i>

Brief Description of Project and Relevance to This Discipline

Meyer Engineers, Ltd. developed a ***Master Plan for the infrastructure needs*** along Veterans Boulevard from near Loyola Boulevard to Williams Boulevard. In anticipation of the massive redevelopment of the Louis Armstrong New Orleans International Airport, City of Kenner Officials were concerned with the increased infrastructure needs of this corridor. ***Meyer Engineers, Ltd.*** performed field investigations and developed an inventory of the various infrastructure systems existing within the study area.

A key part of the planning effort was evaluating each system to reflect the likely need for capacity-related improvements based on anticipated development resulting from the Airport's new north terminal.



Veterans Boulevard – Conceptual Plan

Meyer Engineers, Ltd.'s work included:

- ◆ Inventory and condition assessment of current infrastructure.
- ◆ Infrastructure data collection and analysis.
- ◆ Recommended improvements.
- ◆ Implementation steps.

Infrastructure analyzed included streets, sidewalks, drainage, signage, beautification, water, sewer, electrical, cable, and natural gas. Meyer, working with the City of Kenner, also completed the DOTD Transportation Alternatives Program Application for funding in 2017.

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SECTION 3 | ADDITIONAL FIRM INFORMATION

ST CHARLES PARISH, LOUISIANA
100 RIVER OAKS DRIVE | DESTREHAN, LA 70047

3.1 ADDITIONAL INFORMATION

Please provide any additional information, description of resources or supporting qualifications that you wish the Technical Evaluation Committee to consider in its evaluation

History

Established in 1965, **Meyer Engineers, Ltd.** is one of the most respected and successful engineering/architectural firms in South Louisiana. As a regional architectural and engineering firm we specialize in providing the kind of professional, quality civil engineering and architectural services that help communities, non-profits, and business thrive. **Meyer Engineers, Ltd.** has a diverse background in providing architectural and engineering design services and construction management. Meyer Engineers, Ltd. is a Louisiana registered Engineering and Architectural firm with Richard C. Meyer as President and Chief Executive Officer. Meyer Engineers, Ltd. is the continuation of the firm of Hamilton, Meyer and Assoc., Inc. Architect and Engineer. Hamilton, Meyer and Associates was started in 1967 and was dissolved in 1981. Mr. Charles Meyer continued as President of Meyer Engineers, Ltd. from 1981 to 1999. Richard C. Meyer was elected President of Meyer Engineers, Ltd. in January 2000.



Meyer Engineers, Ltd. has over fifty-two years' experience in both Engineering and Architectural work which include Community Centers, Recreation Facilities, Roads, Bridges, Hospitality Facilities, Town Halls, Structures, Sewerage, Water, **Drainage**, Construction, Master/Urban Planning, Renovations, and Designs for Buildings associated with private and public entities including community centers, educational facilities, hospitals and administration buildings. **Meyer Engineers, Ltd.** has successfully completed numerous Engineering and Architectural and Construction Engineering projects throughout the South Louisiana Area and continues to provide superior services to federal, state and local agencies and private sector.

Since 1965, **Meyer Engineers, Ltd.** has been committed to service, design, and development in the local community. Since Hurricane Katrina, **Meyer Engineers, Ltd.** has focused on redevelopment of the region.

All projects are managed by utilizing tools developed by **Meyer Engineers, Ltd.** and using traditional tools of management. Some of the tools developed by **Meyer Engineers, Ltd.** include but are not limited to Project Management Work Sheets, Hourly Drafting Schedules, and Drawing Planning Mock Sheets. Traditional tools of management include but are not limited to Project Schedules, Project Budgets, and pre-determined milestone progress dates. A master project schedule is also tracked to make sure the workload does not exceed the resources available to produce the work. These tools help keep all projects on track and on time. We also monitor the progress of our consultants on a regular basis and check their deliverables to make sure their work is at the same percentage of completion as the architectural work when the milestone progress dates occur.

Meyer Engineers, Ltd. is very familiar with State Public Bid Law and the requirements for Design, Bidding, and Construction. **Meyer Engineers, Ltd.** has a quality control system in place which is a main part of the firm's culture. This quality control system includes checklist and requires the responsible design professional to systematically submit designs, revised scopes, updated opinion of probable cost, and most importantly communicate with the owner successfully complete design, bidding, and construction management.

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SECTION 4 | CERTIFICATION

ST CHARLES PARISH, LOUISIANA
100 RIVER OAKS DRIVE | DESTREHAN, LA 70047

4.1 CERTIFICATION

The below signature certifies that the information provided in the RFQ is true and accurate statement of facts.

Signature: 	Firm: <i>Meyer Engineers, Ltd.</i>
Printed Name: <i>Richard C. Meyer, P.E.</i>	
Title: <i>President</i>	Date: <i>September 14, 2021</i>

Request for Taxpayer Identification Number and Certification

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

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

Print or type. See Specific Instructions on page 3.	<p>1 Name (as shown on your income tax return). Name is required on this line; do not leave this line blank. Meyer Engineers, Ltd.</p> <p>2 Business name/disregarded entity name, if different from above</p> <p>3 Check appropriate box for federal tax classification of the person whose name is entered on line 1. Check only one of the following seven boxes.</p> <p><input type="checkbox"/> Individual/sole proprietor or single-member LLC <input type="checkbox"/> C Corporation <input type="checkbox"/> S Corporation <input type="checkbox"/> Partnership <input type="checkbox"/> Trust/estate</p> <p><input type="checkbox"/> Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=Partnership) ▶ _____</p> <p>Note: Check the appropriate box in the line above for the tax classification of the single-member owner. Do not check LLC if the LLC is classified as a single-member LLC that is disregarded from the owner unless the owner of the LLC is another LLC that is not disregarded from the owner for U.S. federal tax purposes. Otherwise, a single-member LLC that is disregarded from the owner should check the appropriate box for the tax classification of its owner.</p> <p><input type="checkbox"/> Other (see instructions) ▶ _____</p>	<p>4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3):</p> <p>Exempt payee code (if any) _____</p> <p>Exemption from FATCA reporting code (if any) _____</p> <p><small>(Applies to accounts maintained outside the U.S.)</small></p>
	<p>5 Address (number, street, and apt. or suite no.) See instructions. P.O. Box 763</p> <p>6 City, state, and ZIP code Metairie, LA 70004</p> <p>7 List account number(s) here (optional)</p>	<p>Requester's name and address (optional)</p>

Part I Taxpayer Identification Number (TIN)

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

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

Social security number									
or									
Employer identification number									
7	2	-	0	9	1	7	2	6	1

Part II Certification

Under penalties of perjury, I certify that:

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

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

Sign Here	Signature of U.S. person ▶	Date ▶ 1/28/19
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General Instructions

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

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

Purpose of Form

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

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

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

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