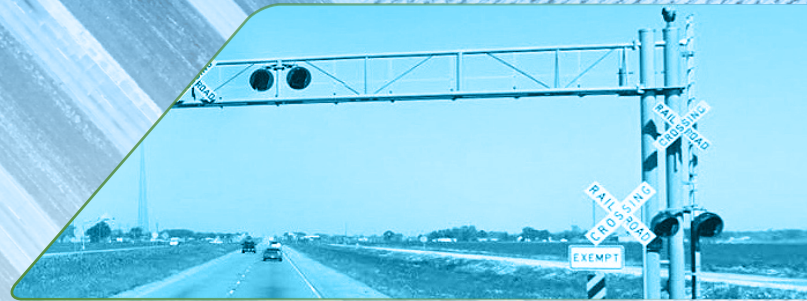




Advertisement for Engineering and Related Services

US 90 RAILROAD OVERPASS SE OF LA 85

CONTRACT NO. 4400031142





3850 N. Causeway Boulevard
Suite 1625
Metairie, LA 70002
T: 504.962.9212
www.hardestyhanover.com

February 3, 2025

Louisiana Department of Transportation and Development
Consultant Contracts Services

**Re: Contract No. 4400031142; State Project No. H.010155.6
US 90 Railroad Overpass SE of LA 85 (CE&I) Route: US 90 Iberia Parish**

Dear Selection Committee Members:

Hardesty & Hanover (H&H) is submitting our qualifications to DOTD to provide engineering services on the US 90 Railroad Overpass SE of LA 85. We are proud of our long history working in Louisiana dating back to 1896 with the historic Waddell A-Truss Bridge over Cross Bayou in Shreveport, and our continued partnership on a variety of complex projects. As a leader in engineering, our firm brings a legacy of 138 years of engineering excellence. H&H has the full capability, availability, and comprehensive engineering experience to perform all contract services required.

We have selected a pool of qualified Construction Engineers and Inspectors with extensive CE&I experience who are dedicated to meeting and exceeding the project schedule and goals. Additionally, H&H utilizes a robust quality management system to provide DOTD with a mechanism by which all deliverables will be subject to a systematic, tailored, and consistent review process. The H&H Team brings comprehensive experience using DOTD standards and specifications with several team members working at DOTD for over 30 years and/or working on prior DOTD projects. Our thorough familiarity with DOTD procedures and design standards and construction specifications enables us to work accurately and efficiently. Together, we bring proven Construction Engineering and Inspection services; successful delivery of similar projects on time and on budget; resources that exceed the MPR requirements; and a roster of qualified professionals in all disciplines with availability to begin work immediately.

H&H's proposed Project Manager, Babak "Bobby" Naghavi, PE, PH, Ph.D., brings 42 years of experience including successful management of Construction Engineering and Inspection contracts. Dr. Naghavi's thorough knowledge of construction administration and CE&I projects, combined with his dedication, project management capabilities, and reputation with the DOTD, make him an ideal candidate for this position. He is available to dedicate the time needed to effectively deliver all of H&H's necessary resources on any assignment or emergency that may arise from this contract. Fred Wetekamm, PE will serve as our Project Engineer for this contract and will be available at all times. Mr. Wetekamm has 36 years of experience with similar DOTD CE&I projects and will work directly with the LADOTD District 03 assigned Construction Coordinator during construction. Mr. Wetekamm will be supported by our specialized road and bridge CE&I staff of qualified engineers and experienced DOTD field staff of certified inspectors.

The H&H Team includes subconsultants with extensive experience in their specialty areas. GOTECH will perform inspection services and BETA Group will perform Materials Sampling and Testing if needed for the contract. We have successfully delivered projects with these subconsultants in the past.

H&H appreciates the opportunity to work with DOTD on this US 90 Railroad Overpass project. Please do not hesitate to contact us if additional information on our qualifications is needed.

Sincerely,

A handwritten signature in dark ink that reads 'Babak Naghavi'.

Babak "Bobby" Naghavi, PE, PH, PhD
Project Manager and Point of Contact
504.605.7940
bnaghavi@hardestyhanover.com

DOTD FORM: 24-102

PROPOSAL TO PROVIDE CONSULTANT SERVICES

(Revised December 12, 2024)

Prime consultant shall complete the DOTD Form 24-102 without altering the Form's text; however, the instruction and/or guidance for Sections 12 through 23 can be removed but do not remove Section title and number.


ANY CONSULTANT FAILING TO SUBMIT ANY OF THE INFORMATION REQUIRED ON THE DOTD FORM 24-102, OR PROVIDING INACCURATE INFORMATION ON THE DOTD FORM 24-102, MAY BE CONSIDERED NON-RESPONSIVE.

1. Contract Name as shown in the advertisement	US 90 Railroad Overpass SE of LA 85 (CE&I) Route: US90
2. Contract Number(s) as shown in the advertisement	Contract No. 4400031142
3. State Project Number(s), if shown in the advertisement	State Project No. H.010155.6
4. Prime consultant name (name must match <u>exactly</u> as registered with the Louisiana Secretary of State (SOS) where such registration is required by law; including punctuation; <u>include screenshot from SOS at the end of Section 20</u>)	Hardesty & Hanover, LLC
5. Prime consultant license number (as registered with the Louisiana Professional Engineering and Land Surveying Board (LAPELS) if registration is required under Louisiana law)	E.F. 0005124
6. Prime consultant mailing address	3850 N. Causeway Blvd. Ste. 1625 Metairie, LA 70002
7. Prime consultant physical address (existing or to be established, if location is used as an evaluation criteria)	3850 N. Causeway Blvd. Ste. 1625 Metairie, LA 70002
8. Name, title, phone number, and email address of prime consultant's contract point of contact	Babak "Bobby" Naghavi, PhD, PE, PH, Regional Manager 504.605.7940 bnaghavi@hardestyhanover.com
9. Name, title, phone number, and email address of the official with signing authority for this proposal	Babak "Bobby" Naghavi, PhD, PE, PH, Regional Manager 504.605.7940 bnaghavi@hardestyhanover.com

Prime consultant should enter the firm name in the footer at the bottom of this page. (It will carry over to subsequent pages.)



10. This is to certify that all information contained herein is accurate and true, and that the team presently has sufficient staff to perform these services within the designated time frame. By submitting this proposal, proposer certifies that it is not engaged in a boycott of Israel and it will, for the duration of its contract obligations, refrain from a boycott of Israel. Proposer also certifies and agrees that the following information is correct: In preparing its response, the proposer has considered all proposals submitted from qualified, potential subcontractors and suppliers, and has not, in the solicitation, selection, or commercial treatment of any subcontractor or supplier, refused to transact or terminated business activities, or taken other actions intended to limit commercial relations, with a person or entity that is engaging in commercial transactions in Israel or Israeli-controlled territories, with the specific intent to accomplish a boycott or divestment of Israel. The proposer also has not retaliated against any person or other entity for reporting such refusal, termination, or commercially limiting actions. DOTD reserves the right to reject the response of the bidder or proposer if this certification is subsequently determined to be false, and to terminate any contract awarded based on such a false response.



Signature above shall be the same person listed in Section 9:

February 5, 2025

Date:

Pursuant to Act No. 581 of the 2024 Louisiana Legislature Regular Session, proposer further certifies that it does not have a practice, policy, guidance, or directive that discriminates against a firearm entity or firearm trade association based solely on the entity's or association's status as a firearm entity or firearm trade association. In addition, proposer certifies it will not discriminate against a firearm entity or firearm trade association during the term of the contract based solely on the entity's or association's status as a firearm entity or firearm trade association.

11. If a Disadvantaged Business Enterprise (DBE) goal has been set for this advertisement, indicate which firm(s) will be used to meet the DBE goal and each firm(s)' percentage.

Firm(s):

No DBE goal has been set for this contract

Firm(s)' %:

12. Discipline Table:

Discipline(s)	% of Overall Contract	Hardesty & Hanover	Beta Group	GOTECH	Each Discipline must total to 100%
CE&I/OV	100%	85%	2%	13%	100%
Identify the percentage of work for the <u>overall contract</u> to be performed by the prime consultant and each sub-consultant.					
Percent of Contract	100%	85%	2%	13%	

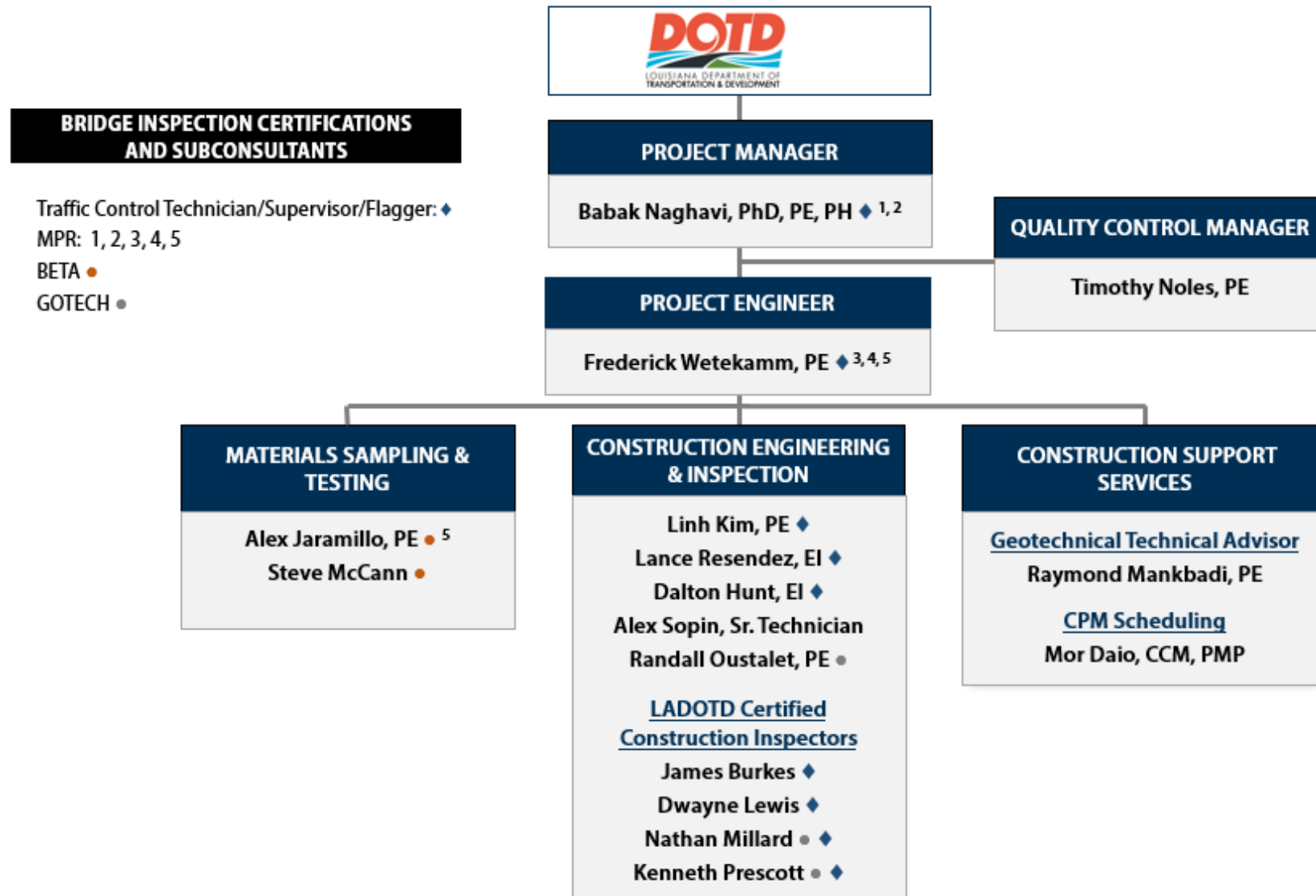
13. Firm Size:

Firm name	DOTD Job Classification	Number of personnel committed to this contract	Total number of personnel available in this DOTD Job Classification (if needed)
Hardesty & Hanover, LLC	Principal	2	4
	Supervisor - Eng	2	6
	Engineer	2	10
	Engineer Intern	2	12
	Inspector - Certified	1	1
	Inspector - Lead	1	1
	Senior Technician	1	6
	Supervisor - Other	1	2
	Administrative	1	2
The Beta Group	Engineer	1	1
	Senior Technician	1	1
GOTECH	Inspector - Lead	1	2
	Inspector - Certified	1	4
	Project Office Manager	1	2

14. Organizational Chart:

US 90 RAILROAD OVERPASS SE OF LA 85


Contract No. 4400031142



15. Minimum Personnel Requirements:


MPR No. Do not insert wording from ad	Personnel being used to meet the MPR (Individual(s) may not satisfy more than one MPR unless specifically allowed by Attachment B of the advertisement)	Firm employed by	Type of license and discipline meeting MPR/ certification & number (Ex: PE # - Civil)	State of license	License / certification expiration date
1	Babak Naghavi, PE, PhD	Hardesty & Hanover	PE #20745 - Civil	LA	09/30/2026
2	Babak Naghavi, PE, PhD	Hardesty & Hanover	PE #20745 - Civil	LA	09/30/2026
3	Frederick Wetekamm, PE	Hardesty & Hanover	PE #25369 - Civil	LA	03/31/2026
4	Frederick Wetekamm, PE	Hardesty & Hanover	PE #25369 - Civil	LA	03/31/2026
5	Frederick Wetekamm, PE	Hardesty & Hanover	PE #25369 - Civil	LA	03/31/2026
5	Alex Jaramillo, PE	The Beta Group	PE #36324 - Civil	LA	09/30/2025

16. Staff Experience:

	Firm employed by Hardesty & Hanover			
	Name	Babak Naghavi, PE, PH, PhD	Years of relevant experience with this employer	8
	Title	Regional Manager/Louisiana	Years of relevant experience with other employer(s)	35
	Degree(s) / Years / Specialization		Ph.D. / 1993 / Civil Engineering M.S. / 1982 / Civil Engineering B.S. / 1979 / Civil Engineering Professional Hydrologist 95-H-1121	
Active registration number / state / expiration date		Professional Engineer: 20745 / LA / 9/30/2026 Certifications: Work Zone Traffic Control Supervisor/Flagger		
Year registered	1983	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities		Project Manager & QC Manager; Meets MPR 1 & 2		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
08/20 – Present	H.001498.6; LA 24 and LA 16 Company Canal Vertical Lift Bridge, Bourg, LA - LADOTD Project Manager delivering construction engineering and inspection services for a new vertical lift bridge and operator's house. Services include daily monitoring of all construction activities; maintaining all construction field records; coordinating with DOTD, contractor, parish government, and utilities; performing field testing; maintaining records of contractual operations, pay estimates and progress reports; preparing final estimate packages; and construction close-out, etc.			
08/18 – 12/20	Lake Pontchartrain Causeway Safety Bay Improvements CE&I, Jefferson and St. Tammany, LA - GNOEC Project Manager provided construction engineering and inspection services required for the fast-paced \$60M Safety Bay Improvement which was constructed according to LADOTD standards and specifications . The project used the CMAR method. Improvements added emergency stopping areas on both causeway bridges and provided six new shoulders in each direction. Responsibilities included attendance at progress meetings, final inspections, and construction close-out, etc.			
02/23 – Present	Bayou Barataria Movable Bridge Replacement (CE&I), Phase 1, LA 302, Jefferson Parish, LA - LADOTD Project Manager responsible for providing construction contract administration and construction engineering and inspection services for the Bayou Barataria Movable Bridge Replacement. This project consists of construction of the movable swing span bridge, operator's house, associated substructure elements, and pier protection system along relocated LA 302 in Jefferson Parish.			
06/11 – 06/16	S.P. No. 064-05-0085 (CE&I), Bayou Lafourche Bridge at Larose, Lafourche Parish, LA – LADOTD Project Manager responsible for construction engineering and inspection services for an on-system vertical lift bridge . This new bridge replaced the former LA 310 pontoon bridge at LA 657 and extension to LA 308. This was the largest span lift bridge in the State of Louisiana. Scope of work included concrete piers, installation of structural steel members, welding, bolted connections, anchor bolts, field painting, and concrete approaches. Work involved the structural steel paint inspection of all bolted connections. This \$30 million project is the 3rd largest ARAA funded transportation project in the state. Responsibilities included overall supervision; coordination with LADOTD, Parish, and Coast Guard; and QA/QC of project documentation.			
01/11 – 12/13	S.P. No. H.003202.6, (CE&I): I-10 Calcasieu River Bridge Repairs, Calcasieu Parish– LADOTD Project Manager responsible for construction engineering and inspection for structural repairs to I-10 Calcasieu River Bridge. The project consisted of repairs to main deck truss and steel cantilever truss members, approach trestle pin plate connections, approach trestle anchor bolt repair, approach trestle bent repairs, deck joints repair, bridge railing repair, and approach roadway pavement expansion joints. The project also included cleaning and removal of lead- based paint and painting of truss connections and the replaced railing.			


06/14 – 01/17	S.P. No. H.006318.6 (CE&I): Off-System Highway Bridge Replacement- St. Ann Bridge over Bayou Terrebonne – LADOTD Project Manager responsible for this CE&I project that involved removal of a single-lane truss swing span bridge structure, existing fender system, timber bulkhead, operator house, and existing timber piling. New construction involved a single swing span bridge, concrete slab bridge approaches, concrete approach slabs, timber fender system, navigational lighting, grading, aggregate surfacing, and asphaltic concrete roadway paving.
09/22 – Present	I-10 & I-12 College Dr Flyover Ramp Design- Build, Baton Rouge, LA - LADOTD Project Quality Manager overseeing design and construction quality control/quality assurance for this flyover ramp design-build project which is located at the I-10 West exit to College Dr, in advance of the I-10 & I-12 West merge. H&H serves as Design-Builder's Construction Quality Control Firm (CQCF) and oversees all Design Quality Control and Construction Quality Control activities for the project. Responsibilities include the development and implementation of Comprehensive Quality Plan to ensure the design and construction conforms to all specified requirements. H&H will also develop, maintain, and update Contractor Quality Management Plan and provide all necessary qualified Inspectors, material sampling, testing, independent testing labs to ensure contractors and off-site fabrication facilities meet project specifications.
06/09 – 12/10	S.P. No. 742-55-0004 (CE&I): Westside Boulevard Road Extension, Terrebonne Parish, LA – LADOTD Project Manager for this CE&I project. The project involved construction of new PCC pavement roadway for the extension of the existing Westside Boulevard from Marie Drive to St. Louis Canal. The scope of work included drainage area and utilities, unclassified excavation, grading, lime treatment, Class II base course, Superpave concrete shoulders, and associated items.
03/12 – 12/15	S.P. No. 737-99-1024: Safe Routes to School Project, Louisiana DOTD Districts 02,03,07 and 62 – LADOTD Project Manager responsible for providing design and construction engineering and inspection services for selected projects involving sidewalks and related drainage modifications, curb extensions, signing, and striping. Work included sidewalk, signs, and marking improvements in the areas of schools such as: Daspit Elementary School in New Iberia, LA; two schools in DeRidder, LA; three schools in Orleans Parish, LA; Mandeville Elementary School in Mandeville, LA; and Hammond Junior High in Hammond, LA.
06/11 - 08/14	S.P. No. 852-26-0017 and SP No.825-25-0017 (CE&I): Interchange Improvements at Brownswitch Road, Route LA 1090 and LA1091, St. Tammany Parish, LA - LADOTD Project Manager for this project which involved improvements to the intersection of LA 1090 and LA 1091 at Brownswitch Road. Both roadways were widened to add turn lanes. Work involved grading, subsurface drainage, base course, asphaltic concrete, traffic signalization, pavement markings, permanent signing, and related work.
04/12 - 06/14	S.P. No. 742-52-0012: I-10 SW Frontage Road Extension (CE&I), Slidell, LA - LADOTD Project Manager for the construction of a concrete frontage road along the westbound of I-10 from approx. 1,300 feet north of LA 433 to approx. 300 feet south of Fremaux Road Interchange. Scope of work included grading/earthwork, base course, concrete paving, pre-cast concrete piling, approach slabs, lime treatment, concrete slab span bridge, pavement markings, and permanent signing.
04/08 - 12/09	S.P. No.742-36-0123: Woodland Drive Rehabilitation (CE&I), New Orleans, LA - LADOTD Project Coordinator for this Urban Systems CE&I project that involved removal of an existing road, grading, drainage structures, class II base course, PCC pavement, sidewalks, driveways, sewer system, water system, pavement markings, and related work on a section of Woodland Drive between General DeGaulle Drive and Tullis Drive.
02/10 – 09/11	SP No. 713-17-0045 (CE&I): Off-System Highway Bridge Program, Perkins Road Overpass, East Baton Rouge Parish, LA - LADOTD Project Manager for this CE&I project involved the rehabilitation of an off-system bridge and approach roadways. The project involved PCC repair and replacement, temporary lifting and realignment of spans, concrete overlay on the bridge, and reconstruction of asphalt concrete approach roadways on both sides of the bridge. Roadway work included grading, drainage, base course, super pave asphaltic concrete pavement, and related work for this CE&I project that involved removal of a single land truss swing span bridge structure, existing fender system, timber bulkhead, operator house, and existing timber piling. New construction involved a single swing span bridge, concrete slab bridge approaches, concrete approach slabs, timber fender system, navigational lighting, grading, aggregate surfacing, and asphaltic concrete roadway paving.

16. Staff Experience:

	Firm employed by Hardesty & Hanover			
	Name	Frederick L. Wetekamm, III, PE	Years of relevant experience with this employer	6
	Title	Senior Bridge Engineer	Years of relevant experience with other employer(s)	30
	Degree(s) / Years / Specialization		M.E. / 2018 / Construction Management B.S. / 1984 / Civil Engineering	
Active registration number / state / expiration date		Professional Engineer: 25369 / LA / 3/31/2026 Certifications: ATSSA Traffic Control Supervisor and Flagger; FHWA NHI #139005, Driven Pile Foundations – Construction Monitoring		
Year registered	1993	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities		Project Engineer; Meets MPR 3, 4, & 5		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
08/20 – Present	H.001498.6 (CE&I); LA 24 and LA 16 Company Canal Vertical Lift Bridge, Bourg, LA - LADOTD Project Engineer responsible for delivering construction engineering and inspection services for a new vertical lift bridge and operator's house. Services include daily monitoring of all construction activities; maintaining all construction field records; coordinating with DOTD, contractor, parish government, and utilities; performing field testing; maintaining records of contractual operations, pay estimates and progress reports; preparing final estimate packages; conducting construction progress meetings; construction and close-out and testing and acceptance of construction materials.			
08/18 – 12/20	Lake Pontchartrain Causeway Safety Bay Improvements (CE&I), Jefferson and St. Tammany, LA - GNOEC Project Engineer responsible for providing construction engineering and inspection services required during the safety bay improvement project for fabrication of pre-stressed piles and girders, caps and decks as well as all other construction activities including field monitoring, documentation, preparation of daily reports, participation in construction progress meetings, and construction close-out and testing and acceptance of construction materials.			
09/22 – Present	I-10 & I-12 College Dr Flyover Ramp Design- Build, Baton Rouge, LA - LADOTD Construction Quality Control Manager for design and construction quality control/quality assurance for this flyover ramp design-build project which is located at the I-10 West exit to College Drive, in advance of the I-10 & I-12 West merge. H&H serves as Design-Builders Construction Quality Control Firm (CQCF) and oversees all Design Quality Control and Construction Quality Control activities for the project. Responsibilities include the development and implementation of Comprehensive Quality Plan to ensure the design and construction conforms to all specified requirements. H&H will develop, maintain, and update Contractor Quality Management Plan and provide qualified Inspectors, material sampling, testing, independent testing labs to ensure contractors and off-site fabrication facilities meet project specifications and testing and acceptance of construction materials.			
02/23 – Present	Bayou Barataria Movable Bridge Replacement (CE&I), Phase 1, LA 302, Jefferson Parish, LA - LADOTD Project Engineer responsible for providing construction contract administration and construction engineering and inspection services for the Bayou Barataria Movable Bridge Replacement. This project consists of construction of the movable swing span bridge, operator's house, associated substructure elements, and pier protection system along relocated LA 302 in Jefferson Parish.			
11/15 – 03/18	Danziger Vertical Lift Bridge Rehabilitation (SP 000303.6), Orleans Parish, LA - LADOTD Project Area Engineer in responsible charge of contract administration and supervising the Project Engineer and LADOTD Certified Inspectors for construction inspection. This project scope involved the replacement of the asphaltic concrete roadway on the lift span (310-lf x 72-lf) with a latex modified concrete, replace the lifting ropes, replace most of the mechanical operating components, and rehabilitation of the operator house.			


01/96 – 06/07	<p>LADOTD Bridge Maintenance Engineer - LADOTD</p> <p>Bridge Maintenance Engineer responsible for managing the program for inspection, operation, and maintenance of tunnels and pump stations including the tunnel maintenance crews. Performed routine inspections of the three tunnels in the New Orleans Area (Houma, Belle Chasse, and Harvey) on annual basis for over 12 years. Inspections included evaluation of structural, lining, roadway, mechanical and electrical components. He was responsible for creating and distributing tunnel repair work orders to the appropriate LADOTD personnel and coordinating the repairs, materials, equipment, and labor for tunnel and pump station repairs, and coordinating media information and traffic control. Wrote major repair requests (sole source and biddable projects) and generated project plans and specifications for repair projects and accident damages. Wrote major repair requests (biddable projects) and generated project plans and specifications for repair projects for the tunnels and pump station projects. Served as the lead coordinator for the projects with LADOTD District and statewide forces, contractors, consultants, public officials, and media. Provided technical training to mechanics and electricians on implementing processes in the Manuals that increased the reliability and performance of the tunnels and pump stations. Provided damage assessments (DIR) for federally reimbursed repairs from hurricanes and tropical storms. He has extensive experience with specialized traffic requirements for the bridge/ tunnel couplets and District traffic and marine requirements for temporary closures.</p>
06/12 – 12/13	<p>US 90 Judge Seeber (Claiborne Ave) Vertical Lift Bridge (SP 001200), New Orleans, LA - LADOTD</p> <p>Project Area Engineer in responsible charge of contract administration and supervising the Project Engineer and LADOTD Certified Inspectors for construction inspection. This project scope involved the repainting of the bridge while maintaining marine and vehicular traffic, replacing deteriorated structural components, and repairing lift span guide rails.</p>
07/07 – 08/18	<p>S.P. No. 742-36-0117 Fleur De Lis Drive Reconstruction Phase II – Veterans Blvd to 30th Street, Orleans Parish, LA - LADOTD</p> <p>Construction Project Engineer in responsible charge providing construction engineering inspection services for the Fleur De Lis Roadway Rehabilitation Projects Phases 1, 2, and 3 Program which were complete reconstruction of the roadway and drainage.</p>
07/07 - 11/10	<p>South Louisiana Submerged Roads Program, Orleans Parish, LA - LADOTD</p> <p>Construction Project Engineer in responsible charge providing construction engineering and inspection services for the South Louisiana Submerged Roads Program which provided repairs and resurfacing of 56 roads in Orleans, Jefferson, and St Bernard Parishes that were damaged from Hurricane Katrina. The project was funded by FHWA's Emergency Relief Program. Responsibilities included testing and acceptance of construction materials.</p>
11/09 - 12/12	<p>S.P. No. 742-36-0008 Earhart Blvd. Roadway Reconstruction – Hamilton Street to Pine Street Project, Orleans Parish, LA - LADOTD</p> <p>Construction Project Engineer in responsible charge providing construction engineering inspection services for Earhart Blvd. Rehabilitation Project. Directed all aspects of the program which was a complete reconstruction of the roadway and drainage from Hamilton to Fern. Responsibilities included testing and acceptance of construction materials.</p>
11/15 – 03/18	<p>S.P. No. 006196 Wisner Bridge Replacement, Orleans Parish, LA - LADOTD</p> <p>Project Area Engineer in responsible charge for contract administration, supervision of the Project Engineer, and LADOTD Certified Inspectors for construction inspection. This project scope was to replace the 1955 bridge with a new structure. The 1,500-foot-long new bridge consists of prestressed concrete pilings, with a combination of precast prestressed concrete girder spans and steel girder spans over I-610. Also coordinated with the Designer/ Engineer of Record, the City of New Orleans, and the LADOTD Program Manager from the inception of the project to provide the most effective design to meet the current needs of the public utilizing the current LADOTD BDEM and LSSRB. The bridge provides a dedicated protected bike lane.</p>
07/16 – 09/18	<p>Bayou La Loutre Vertical Lift Bridge Rehabilitation (SP 002562), St. Bernard Parish, LA - LADOTD</p> <p>Project Engineer responsible for assisting designers in understanding the bridge operation and maintenance preferences for the LADOTD and providing construction engineering and inspection services during construction. The Bayou La Loutre Bridge Rehabilitation Project scope consisted of bridge structural repairs, cleaning and painting of the bridge structure, installation of a new fender system, and replacement of the bridge operator house utilizing the current LADOTD BDEM and LSSRB. Built in 1957, this project was the first major rehabilitation to the bridge. Responsibilities included testing and acceptance of construction materials.</p>

16. Staff Experience:

	Firm Employed by	Hardesty & Hanover		
	Name	Timothy Noles, PE	Years of relevant experience with this employer	40
	Title	Principal	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		B.S. / 1984 / Civil Engineering		
Active registration number / state / expiration date		Professional Engineer: 49891 / Florida / 02/28/2027 31675 / Louisiana / 9/30/2025 (In renewal)		
Year registered	2005	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities		Quality Control Manager		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s)			
02/23 – Present	Bayou Barataria Movable Bridge Replacement (CE&I), Phase 1, LA 302, Jefferson Parish, LA - LADOTD Technical Advisor / Quality Control Engineer responsible for providing construction contract administration and construction engineering and inspection services for the Bayou Barataria Movable Bridge Replacement. This project consists of construction of the movable swing span bridge, operator's house, associated substructure elements, and pier protection system along relocated LA 302 in Jefferson Parish.			
08/20 - Present	L H.001498.6; LA 24 and LA 16 Company Canal Vertical Lift Bridge, Bourge, LA – LADOTD Technical Advisor / Quality Control Manager ensuring consistent performance by the construction engineering and inspection staff throughout the term of the project, including services for a new vertical lift bridge and operator's house. Monitoring construction activities; reviewing construction engineering inspection field records and reports; determining compliance with field testing methods and results; maintaining records of contractual operations, pay estimates and progress reports; preparing final estimate packages; conducting construction progress meetings; and construction close-out.			
01/20 – Present	Almonaster Avenue Railroad Bridge over the Industrial Canal Rehabilitation, New Orleans, LA – Port of New Orleans Technical Advisor / Quality Control Manager for the bridge assessment, complete rehabilitative engineering design, and construction inspection services required for the partial replacement of the Almonaster Avenue Bridge, a movable Strauss-heel trunnion bridge. H&H's 2019 assessment of the circa-1920, eligible for the National Register of Historical Places bridge revealed that improvements to the electrical and mechanical systems, superstructure, and counterweight were required to return this bridge to its full operating capability. Although the existing substructure could remain, modifications were deemed necessary to accommodate the rehabilitated superstructure. Developed necessary design plans to replace the span drive and span lock machinery, operating strut, guide assembly, live load bearings, counterweight trunnion pin, and bushing.			
02/08 – 12/10	SR-5/US-1 Parker Bridge over ICWW, Palm Beach, FL - Florida DOT Principal-in-Charge/Lead Design Engineer for construction management at-risk project which included in-depth inspection, condition report with load ratings, and rehabilitation recommendations. The project also included preparation of structural, architectural, mechanical, and electrical plans to rehabilitate this Hopkins Trunnion twin double-leaf bascule span bridge. The \$8 million rehabilitation included hydraulic machinery retrofit, electrical system improvements, control house 2nd story addition, bridge widening, as well as roadway and embankment improvements.			
01/15 – 03/17	Broad Causeway Bridge over ICWW, Bay Harbor Islands, FL – City of Bay Harbor Islands Principal-in-Charge for the project involving construction inspection for three bridges including a 1630-foot bascule span bridge. Scope included maintenance of traffic, roadway work, and bascule span rehabilitation including cathodic protection for the approach bridges substructure for \$14 million.			


09/07 – 01/09	SR-814/Atlantic Boulevard Bridge, Pompano Beach, FL - Florida DOT Principal-in-Charge/Lead Design Engineer for this \$5 million Construction Management Risk to rehabilitate a Hopkins Trunnion double-leaf bascule span bridge. The project included hydraulic machinery retrofit; electrical system improvements, control house modifications, and bascule span structural steel rehabilitation and bridge railing replacement.
04/12 – 04/16	Boca Grande Causeway Swing Bridge Replacement, Placida, FL – Gasparilla Island Bridge Authority Technical Advisor /Quality Control Manager for the design of the replacement of a structurally deficient swing span bridge located on the Boca Grande Causeway. The fixed portion of the bridge utilized Florida I-beam girders founded on hammerhead pier caps and cast in place footings with 24-inch precast concrete piles. The project also included the installation of a permanent steel sheet pile bulkhead wall with cast in place concrete caps. Construction of critical temporary sheet pile walls required for phased construction, and a total of 0.24 miles of roadway construction.
03/01 – 09/01	CR 3/Mathers Bridge over Banana River, Indian Harbor Beach, FL – Brevard County Department of Engineering Project Manager/Lead Engineer responsible for construction inspection of a 200-foot swing bridge replacement and approach span rehabilitation involving a feasibility study and final design. H&H conducted an in-depth inspection of the structural, mechanical, and electrical systems for this 200-foot pony truss swing span bridge that was constructed in 1927. H&H provided swing span replacement, approach span improvements, and control house renovation plans to improve the roadway geometry, pedestrian access, and operation.
01/19 – 12/24	SR 605 Movable Bascule Bridge Rehabilitation, Ocean Springs, MS - Mississippi DOT Technical Advisor / Quality Control Manager for the assessment, design, plan review, and quality control of SR 605 double-leaf bascule bridge, as a task-order to the IDIQ Master Bridge Contract which included developing standard and special bridge services, statewide for MDOT. Work included inspection and rehabilitation of structural, mechanical, and electrical bridge components, roadway approaches and development of maintenance and repair plans. All designs were in accordance with AASHTO, FHWA and MDOT guidelines and specs.
06/04 – 12/06	Broad Causeway Bridge over West Relief Canal, Bay Harbor Islands, FL – City of Bay Harbor Islands Principal-in-Charge for the \$4M project involving construction inspection for a five-span 200-foot pre-stressed concrete slab bridge accessing an island community. Scope included maintenance of traffic, utility relocation, roadway work, and bridge replacement.
08/08 – Present	Bayou Teche Bridge at Oaklawn – LADOTD Principal-in-Charge providing inspection, engineering design, and post-design services for new Bayou Teche Bridge at Oaklawn project. Built in 1941 to carry LA Route 323 over Bayou Teche, the original bridge is being replaced with a new hydraulically operated swing bridge. H&H provided the electrical design for the bascule bridge in line with LADOTD's design requirements and standard design details. This bridge replacement project included new traffic signals, gates, and a barrier system design which were provided by LADOTD's roadway, structural, and mechanical designers.
08/07 – 03/08	Pine Tree Avenue over Flamingo Waterway, Miami, FL – Miami-Dade County Public Works Department Principal-in-Charge of construction engineering inspection and design services for \$1 million substructure repairs to pre-stressed concrete piles and reinforced concrete piers. Repairs required an active impressed current application of cathodic protection.
08/08 – 08/13	Judge Seeber Vertical Lift Bridge, New Orleans, LA - Louisiana DOTD Technical Advisor /Quality Control Manager overseeing the task order involving the replacement of the vertical lift bridge's entire electrical system, counterweight ropes, counterweight guides, and span locks in addition to miscellaneous structural repairs. Design work for this eligible for the National Register of Historic Places bridge was completed within three months to meet the FEMA funding deadline. The electrical system was replaced in-kind using secondary resistance control operated with a drum switch in accordance with LADOTD preference.

16. Staff Experience:

	Firm employed by Hardesty & Hanover			
	Name	Linh Kim, PE	Years of relevant experience with this employer	4
	Title	Civil Engineer	Years of relevant experience with other employer(s)	2
	Degree(s) / Years / Specialization		B.S. / 2017 / Civil Engineering	
	Active registration number / state / expiration date		Professional Engineer: 47527 / LA / 9/30/2025	
Year registered	2023	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities		Construction Engineer		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
07/20 – 12/20	Lake Pontchartrain Causeway Safety Bay Improvements CE&I, Jefferson and St. Tammany, LA - GNOEC Field Engineer Intern provided construction engineering and inspection services required for the fast-paced \$60M Safety Bay Improvement which was constructed according to LADOTD standards and specifications . The project used the CMAR method. Improvements added emergency stopping areas on both causeway bridges and provided six new shoulders in each direction. Responsibilities included final inspections, and construction close-out, etc.			
09/22 – Present	I-10 & I-12 College Dr Flyover Ramp Design- Build, Baton Rouge, LA - LADOTD Field Engineer Intern for design and construction quality control/quality assurance for this flyover ramp design-build project which is located at the I-10 West exit to College Drive, in advance of the I-10 & I-12 West merge. H&H serves as Design-Builder's Construction Quality Control Firm (CQCF) and oversees all Design Quality Control and Construction Quality Control activities for the project. Responsibilities include the development and implementation of Comprehensive Quality Plan to ensure the design and construction conforms to all specified requirements. H&H will develop, maintain, and update Contractor Quality Management Plan and provide qualified Inspectors, material sampling, testing, independent testing labs to ensure contractors and off-site fabrication facilities meet project specifications.			
08/20 – Present	H.001498.6; LA 24 and LA 16 Company Canal Vertical Lift Bridge, Bourge, LA - LADOTD Field Engineer Intern delivering construction engineering and inspection services for a new vertical lift bridge and operator's house. Services include daily monitoring of all construction activities; maintaining all construction field records; coordinating with DOTD, contractor, parish government, and utilities; performing field testing; maintaining records of contractual operations, pay estimates and progress reports; preparing final estimate packages; conducting construction progress meetings; and construction close-out, etc.			
02/21 – Present	Lapalco Blvd Movable Bridge over Harvey Canal, Westwego, LA - Jefferson Parish DPW/LADOTD Structural Engineer for the pre-design inspection, rehabilitation, and widening of the existing four-lane Lapalco Blvd to provide a facility carrying three lanes of traffic in each direction, as well as the design of a new three-lane double bascule movable bridge crossing of Harvey Canal. The scope of services also includes the design of a new bridge to be constructed as an independent structure adjacent and north of the existing bridge with a new operator house. All design work is in accordance with LADOTD Standards and Specifications and being reviewed by LADOTD. Load rating was performed using AASHTOWare BrDR load rating software.			
07/23 – Present	H.009730.5 In-Depth Bridge Inspection of Complex Structures, Statewide, LA - LADOTD Structural Inspector performing inspection of complex structures such as cantilever trusses, cable-stayed bridges, steel vertical lift bridges, and plate girder bascule bridges statewide under separate task orders. Inspection of two steel truss bridges (Jimmie Davis and Miller's Bluff) and a vertical lift bridge (West Fork) have been completed to date.			


04/22 – Present	SR826 Palmetto Design-Build Design and Post, Miami-Dade County, FL - FDOT Structural Engineer for this bridge located in downtown Miami urban area. The bridge design requirement was to keep existing bridge and roadways open to traffic while widening construction was being performed. H&H performed design calculations for concrete superstructure and steel substructure elements for bridge widening and created details and plan sheets for superstructure and substructure elements for bridge widening.
10/21 – 07/22	Tennessee Bridge Inspection and Load Rating, Decatur, AL - Norfolk Southern Corporation Structural Engineer Intern provided inspection, load rating, and engineering design services under the Systemwide Engineering and Design Services contract. The steel repairs at Gulf Division MP 362.60-A Decatur, AL task was awarded to H&H through this contract. The task involved the performance of an on-site inspection, the preparation of load rating calculations, and the development of repair plans for the structure in accordance with the scope of work. The structure consists of three superstructure types: vertical lift span, deck plate girder span, and seven through truss spans.
09/20 – Present	Various Repairs of the Almonaster Ave Railroad Bascule Bridge, New Orleans, LA – Port of New Orleans Structural Engineer assisting with a variety of repairs on this steel Strauss Trunnion Bascule Bridge. Major work included replacement of components of the railroad floor system stringers and floor beams that rated lower than E-60 and replacement of deteriorated lateral connection plates. The cracked concrete on the rest pier in the area of the bearings was removed and replaced with higher strength concrete. The replacement and tightening of loose or missing fasteners throughout the entire structure was also included in the repair scope. The scope included bridge design and repair plans, contract specifications, construction inspection, and construction support services.
03/24 – Present	H.009730.5 LADOTD Movable Bridge Manual, New Orleans, LA - LADOTD Structural Engineer responsible for the development of the LADOTD Movable Bridge Inspection Manual (including details, photos, illustrations, and specific examples); building a lesson plan and materials for the classroom training from the inspection manual; and providing classroom and field training. The manual will include: bridge inspection principles and overview; movable bridge overview; mechanical, electrical, and structural inspection of movable bridges; operator house; and classroom and field training for electrical, mechanical, and structural).
01/19 - 04/19	H.009498.5: LA 121: Calcasieu River Bridge, Lake Charles, LA - LADOTD Civil Engineer Intern designed and detailed an LG-36 (I-Beam) Concrete Prestressed Girder Bridge using continuous deck spans on a horizontal curve with a 5% slope. The continuous deck spans were 240-ft.-long using four 60-ft.-long deck spans with a bridge width of 42.5 ft. The superstructure and girders were designed using Bentley's Conspan software and DOTD's Bridge Design Evaluation Manual. The substructure consists of pile bents that were designed using STAAD Modeling software and Excel.
06/22 – 08/23	SR 609 Movable Bascule Bridge Inspection and Load Rating, Ocean Springs, MS - MDOT Structural Engineer for the inspection of SR 609 Bridge. The scope of work included the in-depth, NSTM, routine, and element level inspection of structural, mechanical, and electrical components of the bridge, as well as the roadway approaches. Load rating was performed using AASHTOWare BrDR load rating software.
09/19 – 11/19	H.009482.5: LA 113: Jim Burney Branch Bridge - LADOTD Civil Engineer Intern contributing to the preparation of 60% final plans review and submittal. Linh completed revisions for initial design due to comments from the district and Project Engineer reviewer. He completed a bridge rating using AASHTOWare Bridge Rating software and STAAD Analysis.
09/19 – 11/19	H.002176.5: LA 10 Bridges (Burton's Lake, Bayou HaHa, Bayou TawPaw) - LADOTD Civil Engineer Intern created General Plans set for three different bridges after receiving information from Road Design and Hydraulics. Linh contributed to the preparation of 60% Preliminary Plans Set to be sent out Hydraulics, Property Survey, and Subgrade Soil Survey sections.
12/19 – 04/20	I-10: Texas State Line - East of Coone Gully - LADOTD Civil Engineer Intern checking bent detail and quantities for 3 of 5 bridge sites (6 bridges total). Linh completed a bridge rating using AASHTOWare Bridge Rating software and STAAD Analysis for all bridge sites (10 bridges total). He checked Pile data quantities to ensure Geotechnical and Bridge Plans have the same values and designed a custom elastomeric bearing pad for prestressed girder bridges.

16. Staff Experience:

	Firm employed by Hardesty & Hanover			
	Name	Lance Resendez, EI	Years of relevant experience with this employer	2
	Title	Structural Designer	Years of relevant experience with other employer(s)	1
	Degree(s) / Years / Specialization		B.S. / 2021 / Civil Engineering	
	Active registration number / state / expiration date		Engineer in Training: 34896 / LA / 9/30/2025	
Year registered	2021	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities		Field Engineer Intern		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
02/23 – Present	Bayou Barataria Movable Bridge Replacement (CE&I), Phase 1, LA 302, Jefferson Parish, LA - LADOTD Field Engineer Intern responsible for providing construction contract administration and construction engineering and inspection services for the Bayou Barataria Movable Bridge Replacement. This project consists of construction of the movable swing span bridge, operator’s house, associated substructure elements, and pier protection system along relocated LA 302 in Jefferson Parish.			
07/22 – Present	Company Canal Vertical Lift Bridge Replacement CE&I, Bourg, LA - LADOTD Field Engineer Intern providing contract administration and construction engineering inspection for a newly designed 100-foot-long vertical lift bridge and operator’s house. The scope of the project includes improving the safety and vehicular movements within the project corridor by realigning approximately 405 feet of L A 316 to the west to avoid conflict with the new bridge structure and approach slabs. During the construction of the new vertical lift bridge and operator house, Mr. Resendez is providing construction contract administration and construction engineering inspection services typically performed by the DOTO Project Engineer and their staff.			
12/22 – Present	I-10 & I-12 College Drive Flyover Ramp Design-Build, East Baton Rouge Parish, LA - LADOTD Field Engineer Intern for construction of this flyover ramp design-build project which is located at the I-10 West exit to College Drive, in advance of the I-10 & I-12 West merge. H&H serves as Design-Builder’s Construction Quality Control Firm (CQCF) and oversees all Design Quality Control and Construction Quality Control activities for the project. Responsibilities include the development and implementation of Comprehensive Quality Plan to ensure the design and construction contract specifications.			
12/22 – Present	Almonaster Avenue Railroad Bridge over the Industrial Canal, New Orleans, LA - Port of New Orleans Engineer Intern for the bridge assessment, complete rehabilitative engineering design, and road design services required for the partial replacement of the Almonaster Avenue Bridge and a new connector road. The road design services include a new alignment for the connecting road including all drainage structures. H&H also developed a hydraulic study and a site plan that includes several retention ponds for drainage improvements. All design work is according to LADOTD Standard and Specifications and reviewed by LADOTD.			
07/22 – 10/23	IDIQ for ADA Design Projects Statewide, LA 1091 US190 Country Club Blvd. Sidewalks , Slidell, LA - LADOTD Engineer Intern responsible for developing plans and specifications for improvement to the current sidewalk features of Robert Blvd. in Slidell Louisiana. Plans were designed and revised in house in preparation of the overhaul of sidewalks and adding of ADA compliant handicap ramps and landing areas along the roadway to bring the sidewalks up to current LADOTD standards .			


10/22 – 12/24	<p>SR-609 Movable Bascule Bridge Rehabilitation, Ocean Springs, MS - MDOT</p> <p>Engineer Intern for the full rehabilitation of the bascule bridge which included developing standard and special bridge services statewide for MDOT. The scope included inspection and rehabilitation of structural, mechanical, and electrical bridge components, roadway approaches, and development of maintenance and repair plans. All designs are in accordance with AASHTO, FHWA, and MDOT guidelines and specifications. Load rating was performed using AASHTOWare BrDR load rating software.</p>
10/21 – 01/22	<p>LAFITTE GREENWAY PROJECT, NEW ORLEANS, LA - SEWERAGE AND WATER BOARD OF NEW ORLEANS</p> <p>Field Engineer Intern contributed construction inspection for the destruction and rebuild of a pedestrian bridge on the Lafitte Greenway walking path. The project consisted of complete destruction and replacement of bridge and reconstruction of roadway on south side of Conti Street as well as the addition of adding replacement drains in the area. All design work is accordance to LADOTD Standards and Specifications and reviewed by LADOTD.</p>
04/22 – 07/22	<p>Lakeview North Group C (RR085), New Orleans, LA - Sewerage and Water Board of New Orleans</p> <p>Field Engineer Intern contributed to the project as a construction inspector. The project consisted of street paving, sidewalks, accessible ramps, driveways, drainage structures, drainage point repairs, and water line replacement within a 38-block range (Robert E Lee to Filmore and West End to Orleans).</p>
01/22 – 04/22	<p>Octavia Street Project, New Orleans, LA – Department of Public Works New Orleans</p> <p>Field Engineer Intern contributed as a construction inspector for the project consisting of the reconstruction of all utilities, the roadway, driveways, and sidewalks for the blocks of Octavia St. from 2300 block to 2900 block. The project is a total footage of about 2400 feet. The project had many characteristics to it from air spading for trees to Type C Adjustments for the catch basins. Mr. Resendez oversaw multiple crews daily.</p>

16. Staff Experience:

	Firm employed by Hardesty & Hanover		
	Name	Dalton Hunt, EI	Years of relevant experience with this employer 3
	Title	Civil Designer	Years of relevant experience with other employer(s) 0
	Degree(s) / Years / Specialization		B.S. / 2017 / Civil Engineering
Active registration number / state / expiration date		Engineer in Training: 35118 / LA / 9/30/2026 Certifications: ATSSA Traffic Control Supervisor and Flagger	
Year registered	2022	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		Field Engineer Intern	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
03/22 – 10/23	H.014363.5 IDIQ Contract for ADA Design Projects Statewide, Slidell, LA - LADOTD Engineer Intern responsible for the evaluation and consideration of current sidewalk features of Robert Blvd. in Slidell, LA. Plans were designed and revised in-house in preparation of the overhaul of sidewalks and adding of ADA compliant handicap ramps and landing areas along the roadway to bring the sidewalks up to current LADOTD standards.		
02/22 – Present	Lapalco Blvd Movable Bridge over Harvey Canal, Westwego, LA - Jefferson Parish DPW/LADOTD Engineer Intern for the pre-design inspection, rehabilitation, and widening of the existing four-lane Lapalco Blvd to provide a facility carrying three lanes of traffic in each direction, as well as the design of a new three-lane double bascule movable bridge crossing of Harvey Canal in an urban area. The scope includes the design of a new bridge to be constructed as an independent structure immediately adjacent and north of the existing bridge with a new operator house. All design work is in accordance with LADOTD Standards and Specifications. Load rating was performed using AASHTOWare BrDR load rating software.		
04/22 – Present	H.001498.6; LA 24 and LA 16 Company Canal Vertical Lift Bridge, Bourge, LA - LADOTD Field Engineer Intern delivering construction engineering and inspection services for a new vertical lift bridge and operator's house. Services include daily monitoring of all construction activities; maintaining all construction field records; coordinating with DOTD, contractor, parish government, and utilities; performing field testing; maintaining records of contractual operations, pay estimates and progress reports; preparing final estimate packages; conducting construction progress meetings; construction close-out, etc.		
01/22 – Present	H.014530: Almonaster Ave Railroad Bridge over the Industrial Canal, New Orleans, LA - Port of New Orleans/LADOTD Structural Intern for the bridge assessment, complete rehabilitative engineering design, and road design services required for the partial replacement of the bridge and a new connector road. The road design services include a new alignment for the connecting road, including all drainage structures. H&H developed a hydraulic study and site plan that includes several retention ponds for drainage improvements. All design work is according to LADOTD Standards and Specifications and reviewed by LADOTD. Project includes a variety of repairs on this steel Strauss Trunnion Bascule Bridge. Major work included replacement of components of the railroad floor system stringers and floor beams that rated lower than E-60 and replacement of deteriorated lateral connection plates. The cracked concrete on the rest pier in the area of the bearings was removed and replaced with higher strength concrete. The replacement and tightening of loose or missing fasteners throughout the entire structure was also included in the repair scope. Scope included bridge design and repair plans, contract specifications, construction inspection, and construction support services.		


06/17 – Present	H.002798.6 Bayou Teche Movable Bridge at Oaklawn, St. Mary Parish, LA - LADOTD Structural Intern assisting in the design, calculations, and plan preparation of the bridge power distribution and relay-based control system for this movable bridge located in St. Mary Parish, LA. The new through girder swing-span rotates with hydraulically actuated slewing (push-pull) cylinders.
09/22 – Present	I-10 & I-12 College Dr Flyover Ramp Design- Build, Baton Rouge, LA - LADOTD Field Engineer Intern for design and construction quality control/quality assurance for this flyover ramp design-build project which is located at the I-10 West exit to College Dr, in advance of the I-10 & I-12 West merge. H&H serves as Design-Builder's Construction Quality Control Firm (CQCF) and oversees all Design Quality Control and Construction Quality Control activities for the project. Scope includes the development and implementation of Comprehensive Quality Plan to ensure the design and construction conforms to all specified requirements. H&H will develop, maintain, and update Contractor Quality Management Plan and provide qualified Inspectors, material sampling, testing, and independent testing labs to ensure contractors and off-site fabrication facilities meet project specifications.
07/23 – Present	H.009730.5 In-Depth Bridge Inspection of Complex Structures, Statewide, LA – LADOTD Structural Inspector performing inspection of complex structures such as cantilever trusses, cable-stayed bridges, steel vertical lift bridges, and plate girder bascule bridges statewide under separate task orders. Inspection of two steel truss bridges (Jimmie Davis and Miller's Bluff) and a vertical lift bridge (West Fork) have been completed to date.
04/22 – 12/22	SR 605 Bascule Bridge over Industrial Waterway, Harrison County, MS – MDOT Engineer Intern for the comprehensive rehabilitation of this bascule bridge over the Industrial Waterway. The work also included design and detailing of a new PPC pile-supported reinforced concrete generator platform. All designs are in accordance with AASHTO, FHWA, and MDOT guidelines and specifications. Load rating was performed using AASHTOWare BrDR load rating software.
06/22 – 08/23	SR 609 Movable Bascule Bridge Inspection and Load Rating, Ocean Springs, MS – MDOT Engineer Intern for inspection of SR 609 Bridge. The scope of work included the in-depth, NSTM, routine, and element level inspection of structural, mechanical, and electrical components of the bridge, as well as the roadway approaches. Load rating was performed using AASHTOWare BrDR load rating software.
01/23 – 06/24	I-59 / I-20 Box Girder Bridges Inspection and Load Rating, Meridian, MS – MDOT Engineer Intern for the inspection of the two box girder bridges. Bridge No. 147.9A at I-59 and Bridge No. 131.5B at I-20 are located in Lauderdale County. The inspection required night work to avoid lane closures on I-20 and I-59, as well as traffic control for lane closures and use of a confined space rescue team for inspection of inside the boxes. The repair recommendations were made based on the inspection results and the load rating.
03/24 – Present	H.009730.5 LADOTD Movable Bridge Manual, New Orleans, LA - LADOTD Structural Designer responsible for the development of the LADOTD Movable Bridge Inspection Manual (including details, photos, illustrations, and specific examples); building a lesson plan and materials for the classroom training from the inspection manual; and providing classroom and field training. The manual will include bridge inspection principles and overview; movable bridge overview; mechanical, electrical, and structural inspection of movable bridges; operator house; and classroom and field training for electrical, mechanical, and structural.
12/23 – Present	H.015028.6 Bayou Barataria Movable Bridge Replacement (CE&I), Phase 1, LA 302, Jefferson Parish, LA - LADOTD Engineer Intern responsible for providing construction contract administration and construction engineering and inspection services for: Bayou Barataria Movable Bridge Replacement. This project consists of construction of the movable swing span bridge, operator's house, associated substructure elements, and pier protection system along the relocated LA 302 in Jefferson Parish.

16. Staff Experience:

	Firm employed by Hardesty & Hanover		
	Name	Alex Sopin	Years of relevant experience with this employer 15
	Title	Civil Designer	Years of relevant experience with other employer(s) 3
	Degree(s) / Years / Specialization		B.S. / 2003 / Civil Engineering
	Active registration number / state / expiration date		
Year registered		Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities			Senior Technician
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
04/12 – 10/16	Construction Services for Great Egg Harbor Bridge, Great Egg Harbor, NJ - New Jersey Turnpike Authority Senior Construction Inspector for the construction of two new parallel bridge structures to carry the Garden State Parkway southbound traffic over the Great Egg Harbor Bay and Drag Channel. The Great Egg structure is 3,834 foot long and the Drag Channel Structure is 770 foot long. Scope of construction work includes pre-stressed concrete girders, HPC deck, pile supported piers and abutments, a ten-foot-wide multi-use pathway on the west side of each bridge, plastic lumber fender systems, widening of the north and south approaches, embankment foundation improvements and approximately 5,300 linear foot of MSE retaining walls. Also included is the demolition of the existing Beesley’s Point Bridge over Great Egg Harbor and Drag Channel and navigational lighting and milling and paving.		
12/21 – Present	Construction of Portal North Bridge, Newark, NJ - Amtrak Senior Construction Inspector for the construction inspection of this \$1.6 billion project to replace the existing bridge over the Hackensack River with high-level, fixed span. The bridge is being constructed north of the existing bridge. Including the approaches, it will span nearly two miles. Responsibilities include to inspect contractor’s operations to ensure compliance with contract plans, specifications and Site-Specific Safety Work Plans (SSSWPs). Major construction operations include pile driving and drilling (pipe piles, sheet piles, conical tip piles; 4ft, 5ft, 8ft and 10ft diameter shafts), rebar and concrete placement for structural elements, structural steel erection, drilled shaft construction, horizontal directional drilling under live railroad tracks and fiber Optic cable relocation.		
10/14 – 12/17	Facility Inspection Services, Statewide, MD - Maryland Transportation Authority Assistant Team Leader responsible for the structural inspection, report preparation and rehabilitation recommendations for more than 10 bridges and ramps on the I95 Viaduct north of the tunnel. Work included in-depth inspection of steel girders, prestressed concrete beams, steel box girders, concrete piers, and bearing of all type using man lift and UB equipment. Work performed under this contract is located at the I-695 Bridges over Curtis Creek in Baltimore City. The scope of work included a hands-on inspection of the drawbridge and approach spans. As part of this inspection, comprehensive measurements and testing was performed on the bridge’s mechanical equipment and machinery. The electrical operating equipment and control systems were also inspected and tested for proper functionality and safety. Work under this contract also included structural inspection of the drawbridge and approach spans. Reports and repair recommendations were produced as well as updating SI&A and PONTIS.		
02/17 – 05/20	Reconstruction of Henry Hudson Bridge Lower Level Manhattan Approach Spans, Contract HH-88B, New York, NY - MTA TBTA Senior Construction Inspector responsible for field inspection of major bridge rehabilitation/reconstruction. Scope of construction work includes excavation to bedrock and construction of new reinforced concrete piers, HPC deck, utility relocations, drainage improvements and new structural steel framing.		


04/08 – 12/13	Route 35 Over Cheesequake Creek Bridge Rehabilitation, Sayreville, NJ - New Jersey DOT Assistant Structural Engineer responsible for in-depth field inspection, report, preliminary and final design for rehabilitation. The project involved a \$10 million bridge rehabilitation for a 654-foot-long multiple spans with a single leaf bascule span with deck over counterweight. The bridge carries four lanes of highway, median, shoulders, and two, eight-foot sidewalks. The project also included complex staged deck replacement, complete bridge electrical rehabilitation, and mechanical system upgrades. Maintenance of traffic during construction was a key design element.
03/09 – 12/10	2009 Undergrade Bridge Inspections, Statewide, NJ - NJ TRANSIT Assistant Team Leader responsible for the structural inspection, report preparation and rehabilitation recommendations for 3 active railroad bridges. Work included in-depth inspection of multi-girder/multi-span bridges, inspection reports, repair recommendations and first cycle load rating calculations.
09/10 – 04/14	Route 37 Mathis Bridge Rehabilitation, South Amboy, NJ - New Jersey DOT Assistant Team Leader responsible for the structural inspection of double leaf bascule structure using UB. Work included hand-on inspection of the bascule girders, floor beams, stringer and possible location to mount new barrier and warning gates platform on the preliminary engineering design services for the rehabilitation of Eastbound Rt. 37 Mathis Bridge over Barnegat Bay bascule bridge. The 3-lane, 4877-foot long, 66-span highway bridge was constructed in 1950; the movable span is a double leaf bascule. The H&H design work consisted of design for reconstruction including deck replacement and bascule structural, mechanical and electrical bridge operating systems rehabilitation.
09/16 – 12/17	Bridge Rehabilitation and Joint Replacement at Various Locations, Contract TANY 16-14B, New York New York State Thruway Authority Senior Construction Inspector responsible for field inspection of major rehabilitation of two bridge structures: one in Yonkers, NY and one in Suffern, NY. The project also includes joint replacement at multiple locations throughout the Thruway's NY Division from New York City north to Newburgh.
06/08 – 07/09	Newark Draw Swing Bridge Rehabilitation, Newark, NJ - NJ TRANSIT Assistant Resident Engineer for the \$25 million Newark Drawbridge project that consisted of developing structural, mechanical, and electrical rehabilitation plans and bridge timber replacement for the NJ TRANSIT railroad swing drawbridge and viaduct bridges that are adjacent to the swing bridge. Newark Drawbridge carries the NJ TRANSIT's Morristown Line over the Passaic River between Newark and Harrison, NJ. The current bridge is a two-level, through truss swing span with deck truss flanking spans. Mr. Sopin was responsible for the inspection and rehabilitation of railroad swing span involving electrical, mechanical, and structural work. Responsibilities also included field inspection of structure and review of shop drawings.
05/19 – 10/20	Construction Inspection Services for the Verrazzano-Narrows Bridge, Brooklyn and Staten Island, NY - TBTA Resident Engineer for this \$50M construction services providing oversight on multiple construction projects at the Verrazzano-Narrows Bridge. Scope of work included, but was not limited to structural concrete repairs, concrete pier cap strengthening (such as FRP wrapping), structural steel repairs, bridge painting and new roadway construction.
02/07 – 04/08	CSS for Barrier Gates Replacement Route 71 (Monmouth County) and Route 88 (Ocean County), Various Locations, NJ - New Jersey DOT Structural Engineer provided construction support by reviewing shop drawings, RFI, construction calculations, and making changes to existing plans. The project consisted of construction support services for the provision of replacement traffic barrier gates and associated structural and electrical work at Route 71 over the Shark River and Route 88 over Inland Waterway. Roadway intersection improvements and highway lighting design; complete electrical rehabilitation of Route 71 and Route 88 bridges, and complete mechanical rehabilitation of Route 71 bridge; and Control House Expansion and rearrangement of electrical facilities were included.
01/14 – 12/14	Replacement of Bridge No. EH-21 over English Creek, Atlantic County, NJ County of Atlantic Senior Construction Inspector for this \$5M demolition and replacement of a single-span bridge structure. Scope included extensive geotechnical site preparation and wick drain installation, MSE walls, new abutments and wingwalls, superstructure and approach roadway construction.

16. Staff Experience:

	Firm employed by Hardesty & Hanover		
	Name	Mor Diao, CCM, PMP	Years of relevant experience with this employer
	Title	Project Scheduler	Years of relevant experience with other employer(s)
	Degree(s) / Years / Specialization		M.S. / 2011 / Construction Management B.A. / 2007 / Information Systems
	Active registration number / state / expiration date		
Year registered		Discipline	Project Scheduler
Contract role(s) / brief description of responsibilities		CPM Scheduler	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
08/20 – Present	LA 24 and LA 16 Company Canal Vertical Lift Bridge, Bourge, LA - LADOTD Project Scheduler for this project that includes contract administration and construction engineering inspection services for construction of this new vertical lift bridge and new operator’s house in Bourg, LA. The new vertical lift bridge will be built on existing alignment. Contract scope included maintaining all field and contractual operation records; preparing final estimate packages; coordinating with DOTD personnel, contractor, and other parties. His responsibilities include review of the contractor’s baseline and updated CPM schedules and preparation of Schedule Analysis Report (SAR).		
02/23 – Present	Bayou Barataria Movable Bridge Replacement (CE&I), Phase 1, LA 302, Jefferson Parish, LA - LADOTD Project Scheduler responsible for reviewing project schedule for this project that includes construction contract administration and construction engineering and inspection services for the Bayou Barataria Movable Bridge Replacement. This project consists of construction of the movable swing span bridge, operator’s house, associated substructure elements, and pier protection system along relocated LA 302 in Jefferson Parish.		
01/18 – 04/22	CE&I Services for Madison Avenue Bridge (Swing Bridge) Over Harlem River, New York, NY - NYCDOT Senior Project Scheduler responsible for reviewing and recommending approval, revision, and rejection of the contractor’s baseline schedule and monthly schedule updates for compliance with the construction contract in accordance with the Critical Path Method schedule to assure on-time project completion and present schedule analysis report. Responsible for attending monthly CPM meeting to discuss the critical path, potential delays, any variances, and the one month look-ahead.		
09/14 – 02/17	St. George Interlocking Flood Repairs, Staten Island, NY - New York City Transit Project Controls Manager for the complete modernization and replacement of the St. George Interlocking. Work included the replacement of all ballast, track, ties, contact rail, bumper blocks, lubricators, and switches within the limits of the project as well as the replacement of the slip switches layout with a diamond crossover. Duties included reviewing and recommending approval/revision/rejection of the contractor’s baseline schedule and monthly schedule updates for compliance with the construction contract in accordance with the Critical Path Method schedule to assure on-time project completion and present schedule analysis report. Mr. Diao was responsible for running monthly CPM meeting to discuss the critical path, potential delays, any variances, and the one month look-ahead. Construction Cost: \$79 million.		
03/17 – 06/24	Replacement of the Westchester Ave. Bridge over the Hutchinson River Pkwy and supporting NY Transit Elevated Line – Resident Engineering Inspection (REI) Services, New York, NY - New York City DOT Senior CPM Schedule Reviewer for this \$46 million bridge replacement while maintaining traffic on the bridge and the parkway below, and rail service for NY Transit operations above and supported by the bridge superstructure. Work included supporting elevated transit line with temp. strong-back girders to maintain service while the steel superstructure and reinforced concrete deck were replaced with a low-profile superstructure to eliminate impacts from over-height trucks. Work also included new seismic-resistant, neoprene bearings, new expansion joints, steel cleaning and painting, improved drainage, asphalt paving, pavement markings, roadway light, utility protection/relocation, day-night-weekend work, complex work zone traffic control (WCTZ), and related work.		


07/18 – 06/21	<p>Route 112 Reconstruction Between I-496 (LIE) to Granny Road (D263744), Medford, Suffolk County, NY - NYDOT</p> <p>Senior CPM Schedule Reviewer for this \$32M reconstruction and widening of NY Route 112. The 2-lane roadway was replaced with 3-lanes including a shared center turn lane, and combined shoulders/bike lanes; curbs and sidewalks were added. The existing catch basin/dry well drainage system was replaced with a closed system of catch basins and manholes piped to a new drainage basin. The project required extensive relocation of sub-surface and aerial utilities and services (electric, gas, water, sanitary sewer and fiber optic cable TV, phone, and internet service). The roadway reconstruction included new sub-base and base pavement with asphalt wearing surface. The signalized intersection with Horseblock Rd. was widened to add turning lanes, and new traffic signals, signs and pavement markings were installed for improved traffic flow and safety. The project included new retaining walls, roadway lighting, sign and structures, pavement markings, guiderails, new driveway aprons, ADA pedestrian ramps at intersections, landscaping and other appurtenances. The project required extensive WZTC, staged and phased construction, and day-night-weekend work.</p>
12/19 – 06/22	<p>CE&I Services for Verrazzano-Narrows Bridge to Reconstruct the Reinforced Concrete Decks of the Brooklyn & Staten Island Approach to the Upper Level and the Gowanus Expressway Approach to the Lower Level (VN-84), Staten Island & Brooklyn, NY - Tri borough Bridge and Tunnel Authority</p> <p>Senior CPM Scheduler for this project that includes several key aspects: 1) reconstruction of the Staten Island approaches and the upper-level Brooklyn westbound approach; 2) replacement of the bridge deck at the Brooklyn and Staten Island anchorages; 3) reconstruction of the westbound Lily Pond Avenue exit ramp and merge; 4) reconfiguration of the 92nd Street entrance and exit ramps; and 5) the open road tolling in the eastbound direction. Construction cost is \$130 million.</p>
07/21 – 06/24	<p>Nassau County DPW Rehabilitation of Bayville Bascule Bridge over Mill Creek, Bayville, NY - Nassau County DPW</p> <p>Senior CPM Schedule Reviewer for this \$24.8-million major rehabilitation of this double-leaf bascule bridge. The project included the major rehabilitation of civil, structural, electrical and mechanical elements of the bridge including repair and strengthening of structural steel superstructure and trunnion support towers, cleaning and painting, replacement of the bascule girder support grillages and concrete encasement, deck modification to widen the sidewalk, and drainage and expansion joint improvement. Replacement of the Mechanical operating system including replacing the main pivot bearings, rack & pinions, curved and flat bascule treads, span locks, and Live Load bearings). Replacement of the Electrical system including new control panels, braking systems, and safety warning system (gates & horns) as well as roadway and navigation lights and related work. The project also required heat strengthening of the flanges for the bascule curved girder. Restoration of the control house included reroofing, new windows, and repointing the heavy stone masonry. The project also replaced the timber fender system. The project required Staged Construction, day, night, and weekend work, Complex WZTC/MPT with temporary traffic signals, reverse traffic, and detours. Maintaining communications with local politicians and Community Outreach was required.</p>
01/17 – 04/24	<p>Resident Engineering Inspection for Reconstruction of Westchester Ave. Bridge over Hutchinson River Parkway, Pelham Bay, NY - New York City DOT</p> <p>Senior CPM Scheduler for this \$46 million project to reconstruct the deck and superstructure to improve the vertical clearance to the Hutchinson River Parkway below. The work is being performed while maintaining pedestrian and vehicular traffic on the bridge, vehicular traffic on the HRP and transit service on the elevated line supported by the bridge. Also includes reconstruction of the utility ducts on the bridge.</p>
05/13 – 11/13	<p>Rehabilitation of Ramp Structures at the St. George Ferry Terminal, Staten Island, NY - New York City DOT</p> <p>Project Scheduler responsible for revising and recommending approval/revision/rejection of the contractor's baseline schedule and monthly schedule updates for compliance with the construction contract in accordance with the Critical Path Method schedule to assure on-time project completion and present schedule analysis report. This design-build project encompassed the reconstruction of eight vehicular ramps consisting of 73 spans and a pedestrian bridge above the railroad station as well as terminal buildings and a parking area. Valuation was \$175 million.</p>
08/14 – 03/17	<p>Rehabilitation of the Bryant Avenue Bridge over Amtrak and CSX Transit, Bronx, NY - New York City DOT</p> <p>Project Scheduler responsible for updating the approved baseline schedule to reflect progress and submitting monthly schedule update reports for compliance with the construction contract in accordance with Critical Path Method schedule to assure on-time project completion.</p>

16. Staff Experience:

	Firm employed by Hardesty & Hanover			
	Name	Raymond Mankbadi, PE	Years of relevant experience with this employer	19
	Title	Director Geotechnical Engineering	Years of relevant experience with other employer(s)	27
	Degree(s) / Years / Specialization		M.S. / 1985 / Civil Engineering B.S. / 1978 / Civil Engineering	
	Active registration number / state / expiration date		Professional Engineer: 41609 / LA / 9/30/2025	
Year registered	2017 (LA)	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities			Geotechnical Technical Advisor	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
04/12 – 10/16	Construction Services for Great Egg Harbor Bridge, Great Egg Harbor, NJ - New Jersey Turnpike Authority Lead Geotechnical Engineer for the construction of two new parallel bridge structures to carry the Garden State Parkway southbound traffic over the Great Egg Harbor Bay and Drag Channel. The Great Egg structure is 3,834 foot long and the Drag Channel Structure is 770 foot long. Scope of construction work includes pre-stressed concrete girders, HPC deck, pile supported piers and abutments, a ten-foot-wide multi-use pathway on the west side of each bridge, plastic lumber fender systems, widening of the north and south approaches, embankment foundation improvements and approximately 5,300 linear feet of MSE retaining walls.			
01/19 – Present	Lapalco Bridge, Jefferson Parish, LA - Jefferson Parish/LADOTD Lead Geotechnical Engineer for a six-lane bascule bridge parallel and adjacent to the existing bridge. The new bridge will carry three westbound lanes and the existing bridge will be modified to carry three eastbound lanes plus a pedestrian and bicycle path. The scope includes the design of a new three-lane double-leaf bascule bridge and approach spans that will be north of and parallel to the existing bridge, as well as design modifications to the existing bridge to reconfigure it to include three eastbound lanes plus a pedestrian and bicycle path. H&H’s preliminary design work included a visual structural inspection of the fracture critical elements, primary and secondary structural members, as well as electrical and mechanical systems inspections.			
01/20 – Present	Almonaster Ave Bridge over the Industrial Canal, New Orleans, LA – Port of New Orleans Lead Geotechnical Engineer for the bridge assessment, complete rehabilitative engineering design, and construction inspection services required for the partial replacement of this movable Strauss-heel trunnion bridge. H&H’s 2019 assessment of the circa-1920 bridge revealed that improvements to the electrical and mechanical systems, superstructure, and counterweight were required to return this bridge to its full operating capability. Although the existing substructure could remain, modifications were deemed necessary to accommodate the rehabilitated superstructure.			
01/12 – 10/16	Garden State Pkwy SB & NB Bridges over Great Egg Harbor & Drag Channel, Atlantic & Cape May Counties, NJ – NJ Turnpike Authority Lead Geotechnical Engineer responsible for all geotechnical aspects of the design and construction including pile foundation design, soil improvement, sign structures, retaining walls, reinforcement embankment on soft soils and instrumentation for two new bridges crossing Great Egg Harbor and Drag Channel. (\$140M). The project also included cofferdam for deep water and water nose mitigation for protection of the fish. Prestressed Concrete piles were utilized in the foundations and CMC for soil improvement. All work was performed in accordance with AASHTO LRFD Bridge Specifications and FHWA Geotechnical Engineering Manuals and Circulars.			
05/12 – 06/13	Design-Build for RFK Bridge Manhattan-Queens Ramp Replacement (RK-73), New York, NY - Triborough Bridge and Tunnel Authority Lead Geotechnical Engineer in charge of preparing subsurface investigation, foundations design, seismic retrofit design of permanent and temporary foundation, and developing geotechnical report. The RK-73 project included the design and construction of Ramp MQ of the Robert F. Kennedy Bridge through a design-build contract on Randall’s Island. The ramp replacement included roadway widening and seismic design retrofit.			


02/14 – 12/16	<p>Rehabilitation of Swing Bridge (BNSF #32.06) over Bayou Des Allemands, Des Allemands, LA - BNSF Railway Company</p> <p>Lead Geotechnical Engineer for a 90-foot single track swing span, two jump spans, and ten approach spans of prestressed concrete box beam, crosses the Des Allemands Bayou in Des Allemands, LA. The 90-foot swing span was replaced on the existing substructures which were reinforced by adding micropiles. Two jump spans were rehabilitated also. H&H provided professional engineering services for the development of final bridge and track designs, permitting, construction contract documents, construction management and construction support for the rehabilitation of the bridge. The project included the replacement of spans of all associated mechanical and electrical components as well as evaluation, rating and improvement of swing span substructure and foundations. Lead Geotechnical Engineer involved in the design, construction support, and testing of micropiles.</p>
02/12 – 03/13	<p>Study & Preliminary Design for RFK Bridge to Northbound Harlem River Dr (RK-23), New York, NY - Triborough Bridge and Tunnel Authority</p> <p>Lead Geotechnical Engineer responsible for the feasibility study for a new ramp to provide a direct connection from the RFK Bridge to the northbound Harlem River Dr located in the Borough of Manhattan, New York City. The need for the proposed connector ramp results from vehicular movement experiencing delays, local congestion, and local community pollution. The study evaluated various alignment alternates for a one way, one lane passenger vehicle ramp operation with provision for passing a stalled vehicle by another of the same type for a design speed of 35 mph. The structure is anticipated to carry an ADT over 19,000 vehicles per day. The study identified the most prudent and feasible alternatives to provide a direct connection from the RFK Bridge to northbound Harlem River Dr. Design of the new structure must meet current standards to the extent possible, while also avoiding, lessening, or mitigating impacts and effects to surrounding properties and jurisdictions.</p>
12/11 – 05/17	<p>Flagler Memorial Bascule Bridge Replacement Design/Build, West Palm Beach, FL - FDOT</p> <p>Geotechnical Engineer of Record responsible for all geotechnical aspects of the design and construction including subsurface investigation program development, foundation design, cofferdam, geotechnical analysis, and report preparation. This project consisted of complete replacement of the existing bridge with a new four-lane divided bridge. 60-in. diameter drilled shaft embedded in overburden soils with post grouted tip are utilized to support new bridge structure and the approach roadway embankment are supported on 36-in. diameter drilled caissons.</p>
11/19 – Present	<p>Geotechnical Engineering and Engineering Geology Staff Augmentation, Statewide, NJ - NJDOT</p> <p>Project Manager responsible for maintaining the team's budget, schedule, and scope of work and for the quality management of all work efforts – analyses, reports, and design plans and specifications. The work performed under this agreement includes development of an Asset Management Database for retaining walls constructed within NJDOT ROW, as well as rock slope stability analysis and condition surveys of all previously installed mechanical rockfall mitigation and developing remaining service life estimates. Efforts under this task order agreement include Geotechnical Data Management System (GDMS) Review, and Quality Control and Quality Assurance Services on as-needed basis for the Engineering Geology Unit.</p>
04/13 – 06/17	<p>Route 168 Newton Lake Dam Replacement, Camden County, NJ - New Jersey DOT</p> <p>Lead Geotechnical Engineer responsible for developing a supplementary geotechnical subsurface exploration program for a spillway replacement and roadway embankment improvement (estimated construction cost of \$12 million) project. The program included evaluating global stability of roadway embankment or dam, designing bulkhead/sheet pile for roadway embankment or dam, providing foundation design and construction recommendation for the proposed spillway/apron spillway, performing pavement visual investigation, conducting pavement coring inspection, performing pavement analysis and design, and preparing pavement design and construction recommendation report.</p>
04/06 - 04/10	<p>Construction Services for Willis Avenue Bridge over the Harlem River, New York, NY - New York City DOT</p> <p>Lead Geotechnical Engineer for the \$612 million off-line replacement of a major 345-foot-long, swing bridge and 3,000 feet of highway approaches. Responsible for all geotechnical aspects of the foundation design including piles driving, cofferdam in deep water, soil improvement, reinforcement embankment on soft soils and instrumentation. Drilled shafts, steel H-piles, and mini piles were utilized in the foundations. The scope of work included subsurface/subsoil exploration program, foundation design, and preparation of foundation report.</p>

16. Staff Experience:


	Firm employed by Hardesty & Hanover		
	Name	James Burkes	Years of relevant experience with this employer
	Title	Construction Inspector	Years of relevant experience with other employer(s)
	Degree(s) / Years / Specialization		A.S. / 2007 / Drafting Design
	Active registration number / state / expiration date		Certifications: ATSSA Traffic Certified, Louisiana Nuclear Radiation Safety Certified, Certified Linear Surveyor, Certified Asphalt Inspector, Certified Concrete (PCC) Inspector, Hazardous Materials Safety Certified, ORM Blood-borne Pathogens, Plan Reading Certified
Year registered		Discipline	N/A
Contract role(s) / brief description of responsibilities		DOTD Inspector - Certified	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
04/23 – Present	LA 24 and LA 16 Company Canal Vertical Lift Bridge Replacement CE&I, Bourg, LA - LADOTD LADOTD Certified Inspector providing construction inspection for a newly designed 100-foot-long vertical lift bridge and operator’s house. The scope of the project includes improving the safety and vehicular movements within the project corridor by realigning approximately 405 feet of L A 316 to the west to avoid conflict with the new bridge structure and approach slabs. During the construction of the new vertical lift bridge and operator house, Mr. Burkes is providing inspection services.		
04/23 – Present	Bayou Barataria Movable Bridge Replacement (CE&I), Phase 1, LA 302, Jefferson Parish, LA - LADOTD LADOTD Certified Inspector responsible for providing construction inspection services for the Bayou Barataria Movable Bridge Replacement project. This project consists of construction of the movable swing span bridge, operator’s house, associated substructure elements, and pier protection system along relocated LA 302 in Jefferson Parish.		
06/23 – Present	I-10 & I-12 College Drive Flyover Ramp Design-Build, East Baton Rouge Parish - LADOTD LADOTD Certified Inspector for the construction of this flyover ramp design-build project which is located at the I-10 West exit to College Drive, in advance of the I-10 & I-12 West merge. H&H serves as Design-Builder’s Construction Quality Control Firm (CQCF) and oversees all Design Quality Control and Construction Quality Control activities for the project. Mr. Burkes provides inspection services.		
12/12 – 03/23	Various Projects - LADOTD Engineering Technician 4 - LADOTD/ Mr. Burkes’ role included construction inspection for numerous projects for quality control and quality assurance. He was often used as an internal traffic expert in his unit. He managed pay items and daily diaries to maintain fiscal accountability. He also communicated with external vendors and contractors as a liaison for the state of Louisiana. He onboarded new inspectors and coordinated activities between departments such as material lab, maintenance, and onsite teams.		
10/14 – 09/16	St. Bernard Avenue Overlay with Slope Corrections, Chalmette, LA - LADOTD Lead Field Inspector responsible for daily log input into Site Manager, including pay items and quantities input. Mr. Burkes was also responsible for field quality testing, asphalt depth consistency, road width, and length. Roadway reports and coring locations also fell under his responsibilities.		

12/17 – 03/18	High Rise Fire Rehab, New Orleans, LA - LADOTD Lead Field Inspector responsible for daily TTC checks and quality assurance testing in the field during the High Rise Fire Rehab project. Mr. Burkes performed inspection of contractors cleaning method to make sure the surface was properly freed of any gritty debris or dirt to ensure the epoxy resin would hold. This project was an emergency design-build to protect the integrity of the concrete bridge support piles and required an epoxy resin to seal and restrengthen piles.
07/13 – 09/14	Almonaster Bridge Rehabilitation, New Orleans, LA - Port of New Orleans Field Inspector responsible for ensuring proper placement of wood piles for the dolphin approach to lift bridge. Additionally, Mr. Burkes was responsible for the quality checks for proper removal and installation of steel walkway and handrail as well as visual inspection of updated electrical members for power from operator house to lift span.
04/15 – 09/17	Wisner Bridge Demolition and Complete Rebuild, New Orleans, LA - LADOTD Field Inspector responsible for concrete placement quality assurance testing as well as visual inspection of steel rebar installation for bridge deck.
02/13 – 10/13	Safe Routes to School, New Orleans, LA - LADOTD Lead Field Inspector providing inspection services for this project. Mr. Burkes was responsible for daily log input into Site Manager, including quantities, dimensions of concrete walks and curbs, and right of way striping for walking pedestrians.
04/18 – 10/19	Judge Perez Drive Concrete Rehabilitation, Chalmette, LA - LADOTD Lead Field Inspector during this rehabilitation project. Mr. Burkes was responsible for daily log input into Site Manager, recording removal and reinstallation of isolated concrete patches, field quality assurance testing, base testing, and visual rebar installation checks for holes.
08/13 – 10/14	Judge Seeber Bridge New Orleans, LA LADOTD Field Inspector during the repair work for the Judge Seeber Bridge. There was no log requirement as there was a third party. Mr. Burkes was responsible for making sure all repairs were in compliance with LADOTD Standard Specifications and to provide guidance to client as to the proper procedures.
12/16 – 10/18	Yscloskey Bridge Rehabilitation, Yscloskey, LA - LADOTD Field Inspector responsible for daily log input into Site Manager, including quantities, pay items, measurement, and transporting steel samples to LADOTD Lab for testing.
12/12 – 06/13	Rigolets Pass Bridge and Approaches, New Orleans, LA - LADOTD Field Inspector responsible for assisting lead inspector with field testing and maintaining Field book for project progression during this project.
05/15 – 06/15	I-10 Girder Repair, New Orleans, LA - LADOTD Field Inspector responsible for daily logs into Site Manager and ensured the contractor stayed within the limitations of the damaged girder. Additionally, Mr. Burkes made sure the cleaning and repair was done in accordance with LADOTD Standard Specification.

16. Staff Experience:


	Firm employed by Hardesty & Hanover		
	Name	Dwayne Lewis	Years of relevant experience with this employer
	Title	Construction Inspector	Years of relevant experience with other employer(s)
	Degree(s) / Years / Specialization		
Active registration number / state / expiration date		Certifications: LADOTD Structural Concrete Inspector; LADOTD Asphaltic Concrete Plant Inspector; ATSSA Traffic Control Technician, Supervisor, and Flagger; NHI 132070 Drill Shaft Foundation Specialist	
Year registered		Discipline	N/A
Contract role(s) / brief description of responsibilities		DOTD Inspector - Lead	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
07/24 – Present	LA 24 and LA 16 Company Canal Vertical Lift, Bourg, LA - LADOTD LADOTD Certified Inspector delivering inspection services for a new vertical lift bridge and operator's house. Services include daily monitoring of all construction activities; maintaining all construction field records; performing field testing; maintaining records of contractual operations; attending construction progress meetings; construction close-out, etc.		
08/24 – Present	I-10 & I-12 College Drive Flyover Ramp Design-Build, East Baton Rouge Parish - LADOTD LADOTD Certified Inspector for the construction of this flyover ramp design-build project which is located at the I-10 West exit to College Drive, in advance of the I-10 & I-12 West merge. H&H serves as Design-Builder's Construction Quality Control Firm (CQCF) and oversees all Design Quality Control and Construction Quality Control activities for the project. Mr. Lewis provides inspection services.		
07/24 – Present	Bayou Barataria Movable Bridge Replacement (CE&I), Phase 1, LA 302, Jefferson Parish, LA - LADOTD LADOTD Certified Inspector responsible for providing construction inspection services for the Bayou Barataria Movable Bridge Replacement project. This project consists of construction of the movable swing span bridge, operator's house, associated substructure elements, and pier protection system along relocated LA 302 in Jefferson Parish.		
04/08 – 09/10	I-10 Twin Span Construction; 450-17-0025, New Orleans, LA - LADOTD LADOTD Certified Inspector responsible for daily inspection of bridge spans and structures. Also performed inspections of new bridges decks starting with girder installation to steel and rebar installation, ending with overseeing concrete deck pours of 700cy plus not only testing the concrete to assure it was within specifications, but also overseeing the placement, finishing and curing as well. This project encompassed not only inspection and maintenance of and Acro Bridge system, but pile to deck redesign and reconstruction of the original destroyed bridge.		
04/15 – 12/16	French Branch Bridge, West Pearl River Bridge, St. Tammany Parish Routes I-10, I-12 & I-59; H.003107, St. Tammany Parish, LA - LADOTD LADOTD Certified Inspector responsible for all asphalt plant inspection and testing for all 250,000 tons placed on the project between two separate asphalt plants as well as the density testing of all core samples taken on the project.		
12/18 – 06/20	I-10: Interstate Widening from LA 328 to LA 347; H.010601, St. Martin Parish, LA - LADOTD LADOTD Certified Inspector responsible for all asphalt roadway inspection as well as the inspection of roundabout construction. The \$54.7 million project involved pavement replacement within the existing lanes in each direction for 2.7 miles along I-10 from LA 347 to the base of the Atchafalaya Basin Bridge. An additional lane was added in the westbound direction. The project also added roundabouts at the Henderson interchange.		
06/20 – 02/24	Loyola Drive @ I-10 Interchange Improvements; H011670, Kenner, LA - LADOTD LADOTD Certified Inspector responsible for construction inspection (OV) of the fly over bridges from I-10 to Loyola including Footings, Columns, Girders, Bridge Decks, Barrier Rail, Approaches, Median Barrier, & Pier protection.		

16. Staff Experience:


	Firm employed by The Beta Group Engineering & Construction Services, L.L.C.		
	Name	Alex Jaramillo, P.E.	Years of relevant experience with this employer 14
	Title	Geotechnical Engineer/ Technical Manager	Years of relevant experience with other employer(s) 12
	Degree(s) / Years / Specialization		B.S. / 1999 / Civil Engineering
	Active registration number / state / expiration date		Professional Engineer: 36324 / LA / 09/30/2025
Year registered	2011	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities			Construction Materials and Testing Manager; Meets MPR 5
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
02/19 - 10/19	H.013961 I-10 Pipe Repairs Near Metairie Road, LADOTD Construction Materials and Testing Manager responsible for acceptance of soils and aggregate testing, in place density and moisture testing. These tests included Relative Density, Standard and Modified Proctors, Moisture content, Atterberg Limits, Gradation and Sieve analysis, and soil classifications.		
10/19 - 01/20	H.012836 Right Turn Lane at LA 3141, LADOTD Construction Materials Manager responsible for testing and acceptance of construction material. Provided Asphalt Plant and Roadway inspections, in-place nuclear moisture and density inspections, and soils laboratory tests. These tests included moisture content, relative density, Modified proctors, and sieve analyses.		
04/20 - 08/20	H.012617 I-310: I-10 to US 90, LADOTD Construction Materials and Testing Manager for this project which consisted of roadway panel replacement long I-310; The Beta Group provided Concrete Maturity testing, Atterberg Limits, Particle Size Analysis, Organic Content Analysis, and pH of Soils testing. Responsible for testing and acceptance of construction material.		
6/20 - 01/22	H.013579: Pecue Lane Interchange Bridges over I-10, LADOTD Construction Materials and Testing Manager responsible for testing and acceptance of construction material. Provided Concrete field testing, in-place density and moisture testing, and laboratory soils and aggregate tests. These tests included specific gravity of asphaltic concrete, Standard and Modified Proctors, moisture content, Atterberg Limits, soil classifications, Organic content, and sieve analysis.		
02/21 – 09/21	H.009471 Belle Chasse Bridge & Tunnel Replacement Project, LADOTD Construction Materials and Testing Manager responsible for testing and acceptance of construction material. Provided Concrete Surface Resistivity testing, Compressive Strength testing of concrete and mortar cylinders, Nuclear Density testing, and Soils Lab testing. The soils testing included Standard and Modified Proctors, Sieve Analysis, Moisture Content, Atterberg Limits, Soil Classifications, and Organic Content testing.		
07/21 – 10/22	H.012560 LA 23 Tunnel- Russel Dr., LADOTD Construction Materials and Testing Manager responsible for concrete laboratory and field testing and acceptance of construction material for the duration of this project.		

11/22 – 02/23	<p>H.014097 LA: 3021 (LA 39-US 90) , LADOTD Construction Materials and Testing Manager responsible for concrete field and laboratory testing, Soils Lab Testing, and acceptance of construction material. The Beta Group executed the following tests: Standard and Modified Proctors, Relative Density, Sieve Analysis, Moisture Content, Soil Classifications, and Organic Content tests.</p>
01/23 - 10/23	<p>H.01448-LA 48: Huey P- LA49, LADOTD Construction Materials and Testing Manager responsible for testing and acceptance of construction material. Provided Concrete laboratory and field testing and Aggregate/ Soils field and laboratory testing. Soils Laboratory testing provided: Standard and Modified Proctors, Sieve Analysis, Moisture Content, Soils Classifications, and Relative Density testing.</p>
12/23 - 08/24	<p>H.011779 Power Blvd. Median Improvements, LADOTD Construction Materials and Testing Manager who provided Concrete field and laboratory testing, Nuclear Density and Moisture Content, Aggregate/ Soils laboratory and field testing as well as acceptance of construction material. Provided these Soils laboratory test: Standard and Modified Proctor, Moisture Content, and Soil Classification tests.</p>
07/23 – Present	<p>H.003047 Pecue Lane/ I-10 Interchange Phase III, LADOTD Construction Materials and Testing Manager responsible for testing and acceptance of construction material. Providing in-place Nuclear Density and moisture testing and Concrete field testing for the duration of this Phase of the project. The Beta Group has also provided the following laboratory soils testing: Standard Proctor, moisture content, Atterberg Limits, Soil Classifications, and Organic content.</p>


16. Staff Experience:

	Firm employed by The Beta Group Engineering & Construction Services, L.L.C.		
	Name	Steve McCann	Years of relevant experience with this employer
	Title	Senior Technician	Years of relevant experience with other employer(s)
	Degree(s) / Years / Specialization		N/A
	Active registration number / state / expiration date		Certifications: ACI Concrete Strength Testing Technician; ASTM Certified F-Number Technician; Nuclear Gauge Safety Certification; Radiation Safety Officer
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities			Construction Materials & Testing Supervisor
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
10/24 - Present	Port of South Louisiana Globalplex Second Dock Access Bridge Construction Materials & Testing Supervisor. This project consists of the construction of precast concrete bridge over River Road in Reserve Louisiana. The Beta Group is providing construction material testing and vibration monitoring for the duration of this project. In his role as Inspection Supervisor, Mr. McCann performs site visits to ensure field technicians complete testing correctly and in a timely manner. As Project Manager, Mr. McCann coordinated subconsultants and addressed client questions and concerns.		
09/23 - Present	Orleans Justice Center Medical Services Building Construction Materials & Testing Supervisor. This project consists of the construction of a multi-story medical building attached to the Orleans Justice Center. The Beta Group is providing construction material testing and vibration monitoring for the duration of this project. In his role as Inspection Supervisor, Mr. McCann performs site visits to ensure field technicians complete testing correctly and in a timely manner. As Project Manager, Mr. McCann has attended Pre-Construction meetings and progress meetings to ensure adequate services have been provided and address concerns regarding test results.		
06/20 - 01/22	H.013579 Pecue Lane Interchange: Bridges Over I-10, LADOTD Construction Materials & Testing Supervisor. This project consisted of the construction of two bridges over I-10 at Pecue Lane. The Beta Group provided in-place nuclear density and moisture testing, field testing of Concrete, and Laboratory Soils Testing. The laboratory testing included Standard and Modified Proctors, Moisture Content, Atterberg Limits, and Soil Classifications. In his role as Inspection Supervisor, Mr. McCann performs site visits to ensure field technicians complete testing correctly and in a timely manner. As Project Manager, Mr. McCann addressed client concerns and maintained communication with the client for the duration of the project.		


16. Staff Experience:

	Firm employed by GOTECH, Inc.		
		Randall Oustalet, PE	Years of relevant experience with this employer
	Title	Project Office Manager	Years of relevant experience with other employer(s)
	Degree(s) / Years / Specialization		BS / 1985 / Civil Engineering
	Active registration number / state / expiration date		Professional Engineer: 37680 / LA / 9/30/2025
Year registered	2013	Discipline	Civil Engineer
Contract role(s) / brief description of responsibilities			Project Office Manager
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
01/24 - Present	LA 24 & LA 306: Company Canal Bridge (SPN: H.001498.6), LADOTD Project Office Manager for this is \$28 million project for the replacement of a moveable bridge over the Bayou Terrebonne. GOTECH is a subconsultant to Hardesty & Hanover, LLC for CE&I, and Mr. Oustalet is completing the “2059” for this project. He ensures the proper Quality Assurance documentation has been completed for the project. He is generating the Summary of Test results, following the check lists and ensuring completion of all required documentation so the project can be closed out. He is checking all documentation that has been recorded in Headlight and Site Manager, as well as checking the As-Builts to make sure they are completed. He is checking Sampling Plans, Errors and Omission Reports, Disposition of Falling Samples, Mix Designs, all Independent Sampling and Testing Reports, and all Change Orders to make sure everything is properly documented and recorded in Site Manager for project closeout.		
05/22 - 10/23	State Project No. H.014048.6: S. Tangipahoa Roads – Pavement Rehab (CE&I), Tangipahoa Parish, LADOTD Project Engineer for the Construction Engineering and Inspection Services which includes milling of 8” minimum depth patching, milling of 2” existing roadway, overlay with 2” Superpave asphaltic concrete, striping, and related work.		
05/23 - 10/23	State Project No. H.006457: Roundabout at PR 929 and Parker Roads, Ascension Parish, LADOTD Project Engineer for the Construction Engineering and Inspection Services which includes removal of existing pavement and base, treatment of subgrade layer, soil cement base, milling, asphalt base/binder/friction course paving, PCC paving, embankment, and striping/signs along with combination curb and gutter and new drainage. Construction Cost: \$2.4M (EST)		
07/23 - 10/23	State Project No. H.006459: Roundabout at Churchpoint and Roddy Road, Ascension Parish, LADOTD Project Engineer for the Construction Engineering and Inspection Services which includes removal of existing pavement and base, treatment of subgrade layer, soil cement base, milling, asphalt base/binder/friction course paving, PCC paving, embankment, and striping/signs along with combination curb and gutter and new drainage. Construction Cost: \$2M (EST)		
02/17 - 06/20	State Project No. H.007175: Lapalco Boulevard (Victory – Westwood), Jefferson Parish, LADOTD Project Engineer for the Construction Engineering and Inspection Services which included widening the four-lane section of Lapalco Boulevard from Victory Drive to Westwood Drive by adding a median. The work also included clearing and grubbing, grading, drainage structures, milling, asphalt pavement, patching, class II base course, and related work. Construction Cost: \$6.9M		
03/19 - 11/19	State Project No. H.012783.6: WB Veterans: Severn Avenue – Clearview Parkway, Jefferson Parish, LADOTD Project Engineer for the Construction Engineering and Inspection Services which included pavement patching, Superpave asphaltic concrete, and combination curb and gutter. The work also included cold planning asphalt pavement, concrete walks, handicap curb ramps, striping, loop detectors, guard rail, and new drainage structures. Construction Cost: \$2.8M		

16. Staff Experience:

	Firm employed by GOTECH Inc..		
	Name	Ken Prescott	Years of relevant experience with this employer
	Title	Certified Inspector	Years of relevant experience with other employer(s)
	Degree(s) / Years / Specialization		Associate Degree in Civil Engineering & Technology / 1972
	Active registration number / state / expiration date		Certifications: Traffic Control Supervisor – ATSSA; Registered Flagger – ATSSA; LA DOTD Certified Portland Cement Concrete Paving Inspector; LA DOTD Embankment & Base Course Inspector
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities			DOTD Inspector - Certified
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
06/22 - Present	I-10 & I-12 College Drive Flyover Ramp Design-Build, East Baton Rouge Parish - LADOTD LADOTD Certified Inspector for providing inspection services for the construction of this flyover ramp design-build project which is located at the I-10 West exit to College Drive, in advance of the I-10 & I-12 West merge. H&H serves as Design-Builder's Construction Quality Control Firm (CQCF) and oversees all Design Quality Control and Construction Quality Control activities for the project.		
03/21 - Present	Runway13-31 Safety Area and RPZ Improvements – PH I AIP 3-22-0006-1110-2018 (H.013690) - LADOTD Certified Inspector for the re-routing of Plank Rd at EBR Airport to make room for the new safety area and RPZ improvements. This new route is being built to DOTD specification with FFA funds and will be returned to the State when completed.		
02/19 - 08/20	LA 347 to Atchafalaya Floodway Bridge I-10 Widening and Reconstruction, St. Martin Parish (4400004729; H.003014) - LADOTD Structural Concrete Inspector. The project included full-depth replacement of the pavement within the existing lanes, widening the westbound pavement surface, and installing concrete median protection. Mr. Prescott witness and documented the Epoxy Urethane Overlay as per specification which was used during the widening of I-10.		
08/17 - 05/18	LA Hwy 1 Corridor Pathway Proposal ‘JOLIET’ Pathway – Stage 0 – Brusly, West Baton Rouge Parish; CMAQ Proposal WBR-3 MULTI-USE TRAILS, PHASE 1-B (WBR) (H.010768) - LADOTD Certified Inspector on the above project which included quality assurance, construction inspection, material sampling, inspection of the erosion control measure as well as ensuring compliance with the Contractor's Storm Water Pollution Prevention Plan (SWPPP). Mr. Prescott maintained daily records and assessing construction time charges by filling out daily reports to record the activities of the Contractor for each day. Mr. Prescott also had to verify the river stage every day to ensure that the river level was below a certain footage downstream. Mr. Prescott is a LADOTD Certified Inspector in Asphaltic Concrete Paving and Embankment and Base Course.		
10/09 – Present	Sales Tax Rehabilitation Road Program – City of Baton Rouge Asphalt Paving Inspector for the long-standing Road Improvement Program in Baton Rouge. His duties include independent record keeping, preparations of reports for inspection and testing, interpretations of plans and specifications and observation of construction activities to check for adherence to safety practices and requirements.		
02/09 – 08/12	I-12 Widening from O’Neal to Denham Springs (454-01-0047 & 454-02-0025) - LADOTD Certified Inspector on the \$100 million-dollar State Project of I-12 widening from O’Neal Lane to Denham Springs. His duties were Concrete Paving inspection of Interstate 12 for six miles east bound. Mr. Prescott performed these duties entirely at night. He prepared daily reports and witness testing of cylinder strength for early breaks to allow traffic to roll as soon as they obtained minimum strength.		

16. Staff Experience:

	employed by GOTECH, Inc.			
	Name	Nathan Millard	Years of relevant experience with this employer	13
	Title	Certified Inspector	Years of relevant experience with other employer(s)	16
	Degree(s) / Years / Specialization		Associate degree in Drafting & Design / 2001	
	Active registration number / state / expiration date		Certifications: Certified Traffic Control Supervisor – ATSSA; Flagger – ATSSA; LADOTD Portland Cement Concrete Paving Technician; LADOTD Structural Concrete Inspector/Technician; LADOTD Embankment & Base Course Inspector; LADOTD Authorized Nuclear Density Operator, LADOTD Profilograph Evaluator, LADOTD Authorized Density Tester	
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities			DOTD Certified Inspector - Lead	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
07/22 - Present	I-10 & I-12 College Drive Flyover Ramp Design-Build, East Baton Rouge Parish - LADOTD LADOTD Certified Inspector for providing inspection services for the construction of this flyover ramp design-build project which is located at the I-10 West exit to College Drive, in advance of the I-10 & I-12 West merge. H&H serves as Design-Builder's Construction Quality Control Firm (CQCF) and oversees all Design Quality Control and Construction Quality Control activities for the project.			
05/20 - 09/21	IDIQ Denham Springs Rd Signing & Striping (CE&I): Livingston Parish, Louisiana (4400013851; H.013532) - LADOTD Certified Lead inspector for the Signing and Striping project. The local road safety upgrade project was located in Tangipahoa Parish. GOTECH provided services as a subconsultant on the DOTD project that included site inspections, equipment verification and submittal of material samples in the district testing laboratory. GOTECH also provided as-built plans for the completed work.			
05/18 - 03/20	Design Build Construction Support Services I-10: Highland Road to LA 73 Route I-10: East Baton Rouge Parish and Ascension Parishes, Louisiana – CE&I (4400004915; H.009250.6) - LADOTD Certified Structural Inspector and as a certified concrete paving inspector provided inspection services for the I-10 Highway construction project. Working as a subconsultant to Volkert, Inc., GOTECH provided the inspection services for the entire project limits of over 6 miles in length. Mr. Millard also obtained density readings for the soil cement road base course using a nuclear density testing device.			
09/17 - 06/18	Julia Street Overlay and Widening Project - Denham Springs: Livingston Parish, Louisiana – CE&I (H.011248) - LADOTD Project field inspector for GOTECH on the Julia Street Overlay and Widening Project. The project included the milling of the existing asphalt pavement in the initial phase of construction. Subsequent activities involved in-place cement stabilization of the base course and the asphalt surface treatment interlayer placement. The asphalt wearing course was constructed to complete the project. Mr. Millard provided daily project observations at the site to ensure compliance with the project plans and specifications working as a subconsultant. GOTECH provided daily reports, inspection of traffic controls and coordination of site testing.			
03/11 – 08/12	I-12 Widening Design/Build O’Neal Lane to Walker: East Baton Rouge Parish and Livingston Parish, LA (454-01-0047 & 454-02-0025) - LADOTD Certified Structural Inspector during the construction phase of the project that was 9 miles in length, extending from O’Neal Lane (East Baton Rouge Parish) to Walker (Livingston Parish). Mr. Millard coordinated the utility relocation work, surveying services and construction inspection for the interstate highway project.			
07/04 - 03/11	LADOTD Construction Inspector Previous experience included seven years of construction inspection for the LA DOTD. Mr. Millard’s duties included inspection of roadway and bridge construction according to state standards and specifications.			

17. Firm Experience:

Firm name	Hardesty & Hanover	Past Performance Evaluation Discipline(s)*	CE&I/OV
Project name	Company Canal Vertical Lift Bridge Replacement CE&I		Firm responsibility (prime or sub?) Prime
Project number	H.001498	Owner's name	Louisiana Department of Transportation & Development
Project location	Bourg, LA	Owner's Project Manager	Jacob Oncale, PE
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70804 / 985.858.2424 / Jacob.Oncale@la.gov		
Services commenced by this firm (mm/yy)	07/2020	Total consultant contract cost (\$1,000's)	\$4,000
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm (\$1,000's)	\$3,200

The original Company Canal Vertical Lift Bridge on LA 24 was constructed in 1951 with a 65-foot-long lift span. Although operating more than a dozen times per month, the bridge's condition had declined over time. The original bridge had a poor load rating, deterioration of the steel protective coating and superstructure steel, and the many additional operational issues that caused the bridge to malfunction. These issues caused traffic disruptions and required detours from LA 24 to local roads. LADOTD determined that the original bridge required replacement.

The newly designed vertical lift bridge, which is being built on the existing alignment, will have a 100-foot-long lift span with an approximately 48-foot-wide deck consisting of two 12-foot-wide travel lanes, two 8-foot shoulders, and a 5-foot pedestrian walkway. The 40-foot approach slabs will be installed at each end of the bridge. The new operator's house will be constructed just southwest of the bridge to replace the existing operator's house which was located on the northeast side of the bridge. The scope of the bridge replacement project included improving the safety and vehicular movements within the project corridor by realigning approximately 405 feet of LA 316 to the west to avoid conflict with the new bridge structure and approach slabs.

During the construction of the new vertical lift bridge and operator house, H&H is providing construction contract administration and construction engineering inspection services typically performed by the DOTD Project Engineer and their staff. H&H's scope includes:

- Coordinating and attending pre-construction meeting
- Keeping records of the contractual operations; maintaining construction field records; making daily entries in project diary
- Coordinating with DOTD and utility representatives for relocations/ adjustments of utility facilities.
- Performing required field-testing and submit sampled materials
- Inspecting contractor's construction operations (daily) to ensure work is performed in accordance with the plans and specifications
- Preparing monthly pay estimates, monthly progress reports, tracking and payment for stackpile materials, and prepare change orders
- Submitting "As-Built" plans with the final estimate
- Preparing final estimate packages, including Form 2059

**SCOPE OF WORK RELEVANT TO THE CONTRACT:**

- LADOTD CE&I PROJECT
- NEW BRIDGE CONSTRUCTION
- LADOTD SOFTWARE USED – SITEMANAGER AND HEADLIGHT

Key Personnel: Babak Naghavi, PE; Fred Wetekamm, PE; Tim Noles, PE; Linh Kim, PE; Lance Resendez, EI; Dalton Hunt, EI; Mor Diao, James Burkes, Dwayne Lewis



17. Firm Experience:

Firm name	Hardesty & Hanover	Past Performance Evaluation Discipline(s)*	CE&I/OV
Project name	Lake Pontchartrain Causeway Safety Bay Improvement Project CE&I	Firm responsibility (prime or sub?)	Prime
Project number	432	Owner's name	Greater New Orleans Causeway Commission
Project location	Jefferson & St. Tammany Parishes, LA	Owner's Project Manager	Carlton Dufrechou, PE
Owner's address, phone, email	3939 N. Causeway Blvd #400 Metairie, LA 70002 / 504.835.3118 / cdufrechou@gnoec.org		
Services commenced by this firm (mm/yy)	08/2018	Total consultant contract cost (\$1,000's)	\$3,880
Services completed by this firm (mm/yy)	12/2020	Cost of consultant services provided by this firm (\$1,000's)	\$3,000

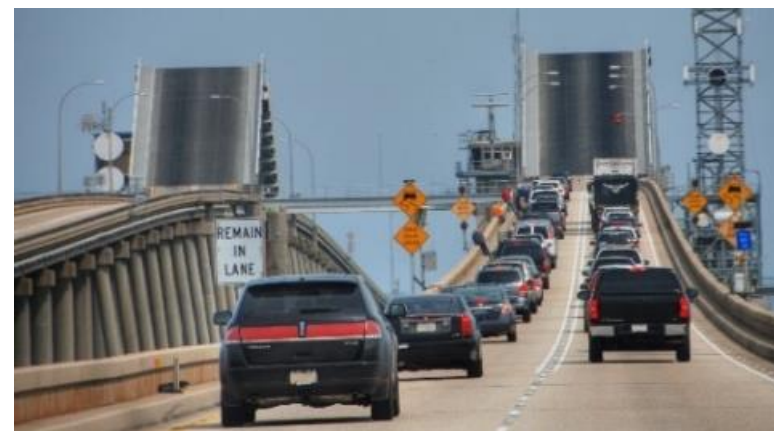
H&H provided construction, engineering, and inspection services for the Greater New Orleans Expressway Commission (GNOEC) along the Lake Pontchartrain Causeway Bridge. The purpose of this fast-paced, \$60M CMAR construction project was to improve safety by providing emergency stopping areas for northbound and southbound bridges with new shoulders in six locations on each bridge.

H&H deployed several construction engineering and inspection teams to oversee the fabrication and construction of structural and electrical operations. These teams worked concurrently inspecting construction activities over an approximately 18-month construction and the project closeout period. Precast components were utilized for the project with material fabrication performed off-site at two locations and the contractor's yard for the construction of prefabricated decks. H&H's scope also included inspection of power, lighting, communication, CCTV, and traffic signal systems. All work was performed in conformance with LADOTD requirements and the latest specifications.

H&H's specific responsibilities included: maintaining all construction field records; documenting personnel present and equipment being utilized on the job site; coordinating relocations and adjustments of utility facilities for the construction of worksite; submitting all sampled materials to be tested by a qualified testing laboratory in accordance with the stipulated sampling manual; inspecting and ensuring that all work was performed in general compliance with the specified plans and specifications; keeping concise records of the contractual operations; preparing monthly pay estimates and monthly progress reports; preparing final estimate packages and submitting as-built plans with the final estimate; monitoring and documenting all construction claims and providing recommendations on disposition of claims; coordinating and/or performing the inspection of the fabrication of pre-cast materials at the two precast plants and the contractor's yard; reviewing the construction signage for compliance with the MUTCD and traffic control standards; developing a sampling plan; and preparation of final estimate packages, as-built plans, and all construction records.

SCOPE OF WORK RELEVANT TO THE CONTRACT:

- CONSTRUCTION ENGINEERING & INSPECTION PROJECT
- CONSTRUCTED ACCORDING TO LADOTD STANDARDS & SPECIFICATIONS
- BRIDGE CONSTRUCTION



Key Personnel: Babak Naghavi, PE; Fred Wetekamm, PE; Linh Kim, PE

17. Firm Experience:

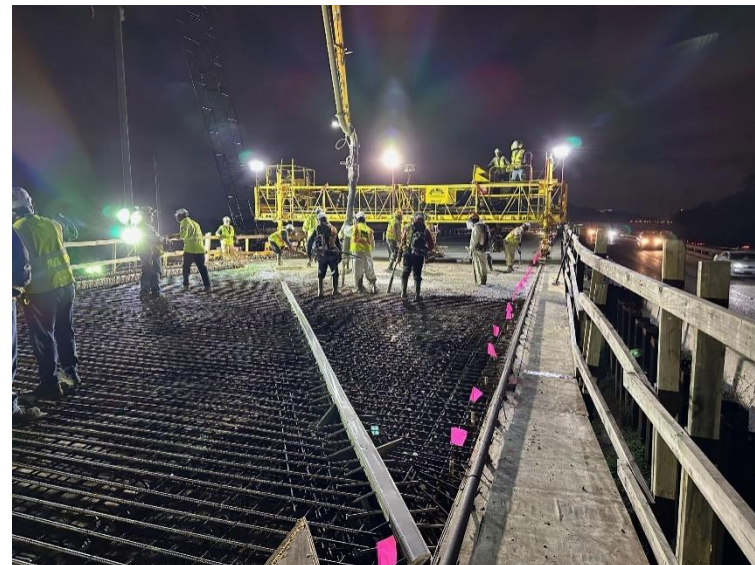
Firm name	Hardesty & Hanover		Past Performance Evaluation Discipline(s)*		CE&I/OV	
Project name	I-10 & I-12 College Drive Flyover Ramp Design Build				Firm responsibility (prime or sub?)	Sub
Project number	H.013897	Owner's name	Louisiana Department of Transportation & Development			
Project location	Baton Rouge, LA			Owner's Project Manager	Catherine Mastin, PE	
Owner's address, phone, email		1201 Capitol Access Road, Baton Rouge, LA 70804 225.379.1652 Catherine.mastin@la.gov				
Services commenced by this firm (mm/yy)		09/2020	Total consultant contract cost (\$1,000's)			\$ 2,500
Services completed by this firm (mm/yy)		Ongoing	Cost of consultant services provided by this firm (\$1,000's)			\$ 2,000

H&H is overseeing the project design, plan delivery, and construction quality control/quality assurance for this flyover ramp design-build project. This project is located in Baton Rouge, La at the I-10 West/ I-12 West junction to College Drive.

The project includes the design and construction of a new three lane I-10 West bridge, roadway design of a new two lane I-12 West, bridge rehabilitation of the flyover bridge from I-12 West exit to I-10 East, connecting ramps and associated roadways, as well as rehabilitation of the Essen Lane bridge in advance of the project.

H&H is serving as Design-Builder's Construction Quality Control Firm (CQCF) and oversees all Design Quality Control and Construction Quality Control activities for the project. H&H's responsibilities include the development and implementation of a Comprehensive Quality Management Plan to ensure the design and construction conforms to all specified requirements.

H&H also developed, maintained, and updated the Contractor Quality Management Plan and provided all necessary qualified inspectors, material sampling and testing acceptance, and Independent Testing Labs to ensure that the contractors' work and off-site fabrication facilities meet project specifications. H&H managed all document control to include daily diaries, collection of material certifications, NCRs, and weekly and monthly project reports.



Key personnel: Fred Wetekamm, PE; Babak Naghavi, PE; Linh Kim, PE; Dalton Hunt, EI; Lance Resendez, EI; James Burkes, Dwayne Lewis

SCOPE OF WORK RELEVANT TO THE CONTRACT:

- LADOTD CE&I PROJECT
- NEW BRIDGE OVERPASS CONSTRUCTION
- TRAFFIC MANAGEMENT PLAN
- LADOTD SOFTWARE USED – HEADLIGHT AND SITEMANAGER
- PERFORMED QUALITY CONTROL/QUALITY ASSURANCE PER LADOTD SPECIFICATIONS

17. Firm Experience:

Firm name	Hardesty & Hanover		Past Performance Evaluation Discipline(s)*	CE&I/OV
Project name	Bayou Barataria Swing Bridge		Firm responsibility (prime or sub?)	Prime
Project number	H.015028.6	Owner's name	Louisiana Department of Transportation & Development	
Project location	Jefferson Parish, LA		Owner's Project Manager	Ryan Morvant, PE
Owner's address, phone, email	1201 Capitol Access Rd. Baton Rouge, LA 70804 / 225.379.1067 / Ryan.Morvant@la.gov			
Services commenced by this firm (mm/yy)	02/2023	Total consultant contract cost (\$1,000's)		\$5,850
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm (\$1,000's)		\$5,265

H&H is providing construction engineering and inspection services for the Bayou Barataria Bridge Replacement Project. The original bridge was built in 1948 to connect Barataria and Lafitte and was destroyed completely in 2021 by Hurricane Ida. A temporary modular steel span bridge has been in its place and is the only means of transportation for Barataria residents to the mainland after Hurricane Ida. The new moveable bridge will be located approximately one mile downstream from the original bridge.

The LA 302/Bayou Barataria Moveable Bridge Replacement Project is multi-phased to allow for an expedited start time for the construction of the bridge itself, which is included in phase 1 at a cost of \$55.9 million. The bridge is estimated to be completed in 2028. Features of the new bridge include a 20-foot vertical clearance in the closed position, a hybrid driven swing system, and a natural gas-powered generator to operate the bridge after a storm. During the construction of the new swing bridge, operator house, generator house, and embankment placement for the realigned LA 306, H&H is providing construction contract administration and construction engineering inspection services typically performed by the DOTD Project Engineer and their staff.

H&H's scope includes:

- Coordinating and attending pre-construction meeting
- Keeping records of the contractual operations; maintaining construction field records; making daily entries in project diary
- Coordinating with DOTD and utility representatives for relocations and adjustments of utility facilities
- Performing required field-testing and submit sampled materials
- Inspecting contractor's construction operations (daily) to ensure work is performed in accordance with the plans and specifications (LSSRB 2016)
- Preparing monthly pay estimates and monthly progress reports; tracking and payment for stockpile materials; and preparing change orders
- Submitting "As-Built" plans with the final estimate.
- Preparing final estimate packages, including Form 2059

Key Personnel: Babak Naghavi, PE; Fred Wetekamm, PE; Tim Noles, PE; Lance Resendez, EI; Dalton Hunt, EI; James Burkes; Dwayne Lewis

SCOPE OF WORK RELEVANT TO THE CONTRACT:

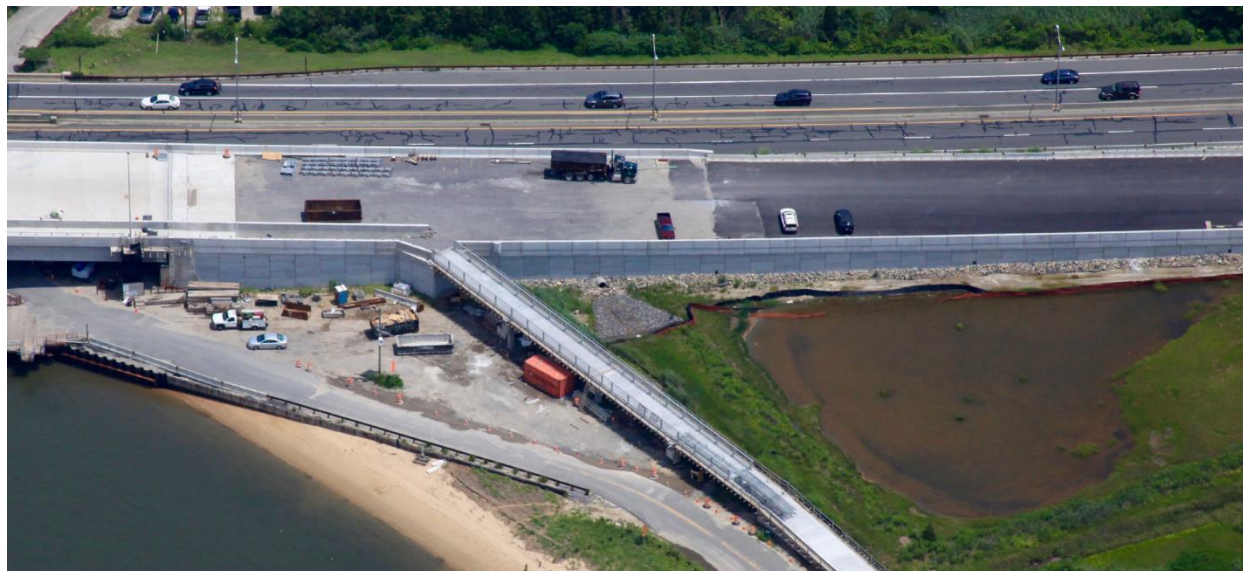
- LADOTD CE&I PROJECT
- NEW BRIDGE CONSTRUCTION
- LADOTD SOFTWARE USED – HEADLIGHT AND SITEMANAGER



17. Firm Experience:

Firm name	Hardesty & Hanover	Past Performance Evaluation Discipline(s)*	CE&I/OV
Project name	Construction Services for Great Egg Harbor Bridge	Firm responsibility (prime or sub?)	Sub
Project number		Owner's name	New Jersey Turnpike Authority
Project location	Egg Harbor Township, NJ	Owner's Project Manager	Ricardo McNeil
Owner's address, phone, email	1 Turnpike Plaza, Woodbridge, NJ 07095 732.750.5300 x8269 mcneil@turnpike.state.nj.us		
Services commenced by this firm (mm/yy)	01/2012	Total consultant contract cost (\$1,000's)	\$665
Services completed by this firm (mm/yy)	10/2016	Cost of consultant services provided by this firm (\$1,000's)	\$463

H&H, as a major subconsultant, provided construction inspection services for the new Garden State Parkway Great Egg Harbor Bridge. H&H also served as the Engineer of Record for the design of this project. The new Great Egg Harbor (GEH) Bay Bridge consists of 21 spans of precast, pre-stressed concrete bulb tee girders varying in length from 148 feet to 250 feet, made continuous for live load with an overall length of more than 3,800 feet. The main channel span girders consist of spliced post-tensioned bulb tee shapes with varying depth pier segments. The substructure for GEH consists of reinforced concrete piers comprised of three six-foot diameter concrete columns and a cap beam supported on a concrete waterline footing on 30-inch-square solid pre-stressed concrete piles. The abutments are also reinforced concrete cantilever-type walls supported on 24-inch-square pre-stressed concrete piles.



This project also included a separate new structure over Drag Channel which consisted of 10 spans of AASHTO Type III precast, pre-stressed concrete I-beam spans, 77 feet in length, made continuous for live load in a 10-span system with joints only at the abutments. The substructure for DCB consists of reinforced concrete pile bent piers comprised a concrete cap supported by 30-inch-square solid pre-stressed concrete piles arranged in a staggered layout. The approach roadways include various soil improvement features and more than 5,000 linear feet of MSE retaining walls. Project Value \$150,000,000.

Key Personnel: Raymond Mankbadi, PE; Alex Sopin

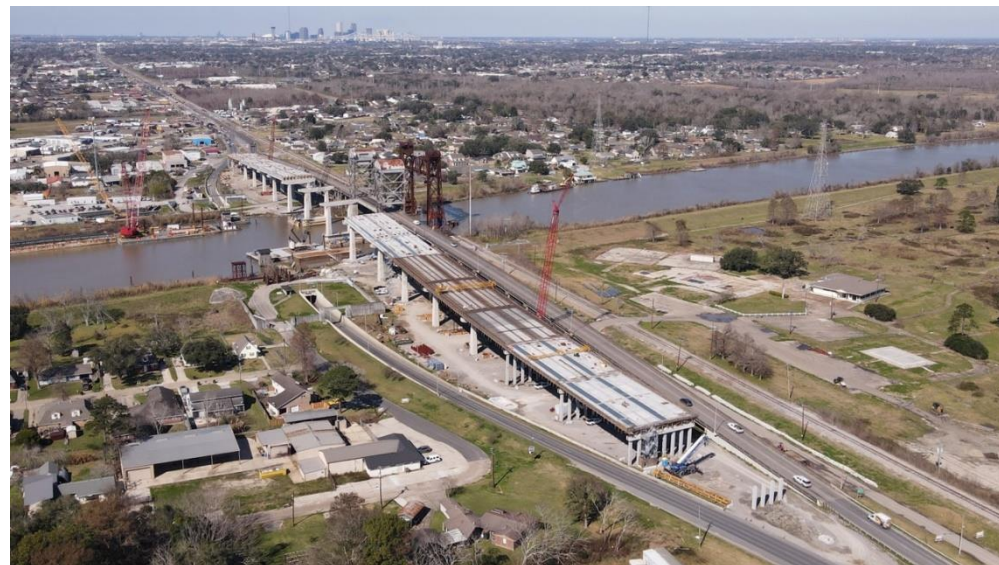
SCOPE OF WORK RELEVANT TO THE CONTRACT:

- NEW BRIDGE CONSTRUCTION
- CONSTRUCTION OF MSE RETAINING WALLS
- CONSTRUCTION ENGINEERING & INSPECTION SERVICES

17. Firm Experience:

Firm name	The Beta Group Engineering & Construction Services, L.L.C.		Past Performance Evaluation Discipline(s)*		CE&/OV	
Project name	Belle Chasse Bridge & Tunnel Replacement Project				Firm responsibility (prime or sub?)	Sub
Project number	H.009471	Owner's name	Louisiana Department of Transportation and Development			
Project location	Belle Chasse, LA			Owner's Project Manager	Peggy Jo Paine, PE	
Owner's address, phone, email		1201 Capital Access Rd. Baton Rouge, LA 70804 / 225.379.1065 / peggy.paine@la.gov				
Services commenced by this firm (mm/yy)		02/2021	Total consultant contract cost (\$1,000's)			N/A
Services completed by this firm (mm/yy)		09/2021	Cost of consultant services provided by this firm (\$1,000's)			\$7.5

This project consists of the removal and replacement of the Existing Belle Chasse Bridge and Tunnel. A new twin span high enough to allow maritime traffic to pass underneath is to be constructed. The Beta Group has provided comprehensive strength testing of concrete cylinders, testing of surface resistivity of concrete cylinders, in-place nuclear testing of field moisture and density, and laboratory testing of roadway base material. These tests included Standard and Modified Proctors, sieve analyses, Atterberg Limits, soil classifications, and organic content testing. For this project, Alex Jaramillo reviewed laboratory results and ensured that tests were conducted according to ASTM standards.



Key Personnel: Alex Jaramillo, PE

17. Firm Experience:

Firm name	The Beta Group Engineering & Construction Services, L.L.C.		Past Performance Evaluation Discipline(s)*	CE&I/OV	
Project name	Pecue Lane Interchange Bridges Over I-10			Firm responsibility (prime or sub?)	Sub
Project number	H.013579	Owner's name	Louisiana Department of Transportation and Development		
Project location	Baton Rouge, Louisiana		Owner's Project Manager	Elnur Musa, PE	
Owner's address, phone, email		1201 Capitol Access Rd. Baton Rouge, LA 70804 / 225.379.1232 / elnur.musa@la.gov			
Services commenced by this firm (mm/yy)		06/2020	Total consultant contract cost (\$1,000's)		N/A
Services completed by this firm (mm/yy)		01/2022	Cost of consultant services provided by this firm (\$1,000's)		\$24

This project consisted of the construction of a twin span over I-10 at Pecue Lane and median improvements on I-10. The Beta Group provided concrete field testing, nuclear field testing of in-place density and moisture, and laboratory testing of soils and aggregates. The laboratory testing included Standard and Modified Proctors, Atterberg Limits, soil classifications, organic content testing, and moisture content testing. For this project, Alex Jaramillo reviewed the accuracy of laboratory testing for the duration of the project. Steve McCann trained field technicians and ensured field testing was done in accordance with LADOTD standards.

**Key Personnel:**

Steve McCann

Alex Jaramillo, PE

17. Firm Experience:

Firm name	The Beta Group Engineering & Construction Services, L.L.C.		Past Performance Evaluation Discipline(s)*		CE&I/OV	
Project name	Pecue Lane/ I-10 Interchange Phase III			Firm responsibility (prime or sub?)		sub
Project number	H.003047	Owner's name	Louisiana Department of Transportation and Development			
Project location	Baton Rouge, LA		Owner's Project Manager		Anna Hanks, PE	
Owner's address, phone, email		1201 Capital Access Rd. Baton Rouge, LA 70804 / 225.379.1726 / anna.hanks@la.gov				
Services commenced by this firm (mm/yy)		07/2023	Total consultant contract cost (\$1,000's)			N/A
Services completed by this firm (mm/yy)		N/A	Cost of consultant services provided by this firm (\$1,000's)			\$55

This phase of the project consists of widening Southbound Pecue Lane, constructing the intersection of Pecue Lane Northbound and Pecue Lane Southbound with new entrance and exit ramps from I-10, and the construction of Pecue Lane and Pecue Lane Extension. The Beta Group has provided in-place Nuclear Density and moisture testing and concrete field testing for the duration of Phase III of the project. Alex Jaramillo reviews and signs each inspection report ensuring accuracy of test results. Steve McCann has provided training for field personnel and conducted site visits to evaluate the performance of technicians.

**Key Personnel:**

Alex Jaramillo, PE

Steve McCann

17. Firm Experience:

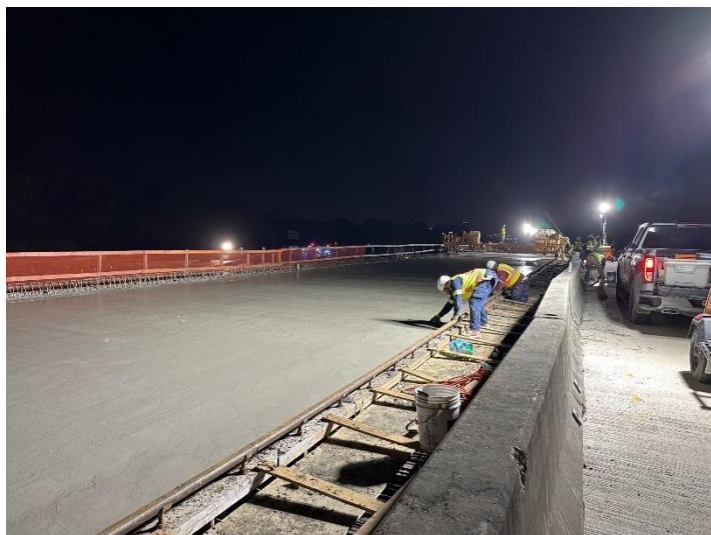
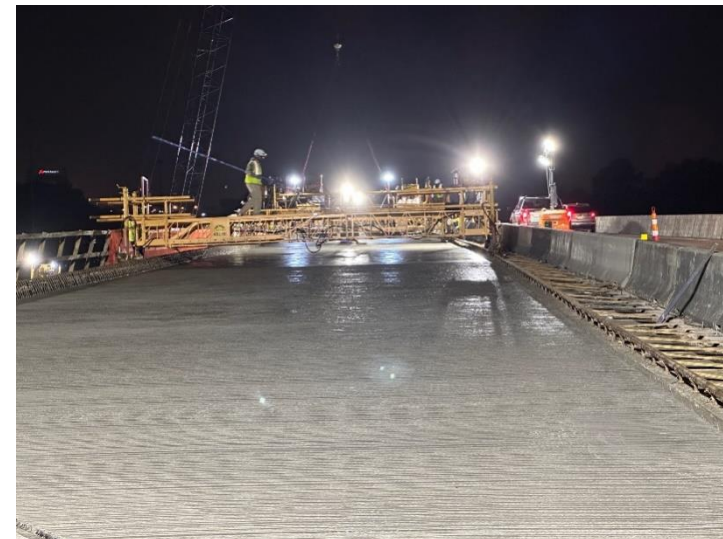
Firm name	GOTECH, Inc.	Past Performance Evaluation Discipline(s)*	CE&I/OV
Project name	I-10 & I-12 College Dr. Flyover Ramp Design-Build Project	Firm responsibility (prime or sub?)	Sub
Project number	H.013897; H013897	Owner's name	Louisiana Department of Transportation & Development
Project location	East Baton Rouge Parish, LA	Owner's Project Manager	Mark Chenevert
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70804 / 225-379-1591 / mark.chenevert@la.gov		
Services commenced by this firm (mm/yy)	03/2022	Total consultant contract cost (\$1,000's)	N/A
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm (\$1,000's)	\$500

The I-10 and I-12 College Dr. interchange needed a revised traffic flow format. Traffic traveling westbound on I-10 from New Orleans had a difficult time navigating across multiple I-12 lanes to exit at College Drive. Accordingly, the College Drive flyover ramp was designed to take the I-10 exiting traffic over the I-12 travelers, avoiding conflicting flows.

GOTECH served as a subconsultant to Hardesty & Hanover for the new ramp construction for DOTD. GOTECH provided on-site construction inspectors to monitor the construction on a daily basis. GOTECH inspectors-maintained activity records that documented work crews, construction equipment, schedule milestones, daily progress, materials on-site, accessibility issues, and safety aspects of the project.

Material sample collection was coordinated by GOTECH inspectors. All aspects of quality assurance and quality control were addressed by the GOTECH resident inspectors.

Critical path events in the schedule were analyzed and reviewed consistently to ensure that the construction schedule was met and delays were minimized.



Key Personnel: Nathan Millard & Kenneth Prescott

17. Firm Experience:

Firm name	GOTECH, Inc.	Past Performance Evaluation Discipline(s)*	CE&I/OV
Project name	Retainer Contract for Construction Engineering Management and Staff Augmentation Services for District 03	Firm responsibility (prime or sub?)	Sub
Project number	4400004729 (CE&I)	Owner's name	Louisiana Department of Transportation & Development
Project location	Acadia, Lafayette, Evangeline, Iberia, St. Landry, St. Martin, St. Mary & Vermilion Parishes, LA	Owner's Project Manager	Mark Chenevert / Alan Dale
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70804 / 225-379-1591 / mark.chenevert@la.gov		
Services commenced by this firm (mm/yy)	10/2014	Total consultant contract cost (\$1,000's)	\$2,077
Services completed by this firm (mm/yy)	12/2019	Cost of consultant services provided by this firm (\$1,000's)	\$1,265

As a subconsultant to GEC, GOTECH provided construction inspectors, document control person, and an office manager on the DOTD Retainer Contract for the construction engineering management projects in St. Mary, Lafayette, and St. Martin Parishes in Louisiana.

The GOTECH Inspectors provided project dairy entries that track the contractor's equipment and personnel on the jobsite. They maintained field records and notes of the acceptability of the work completed. The GOTECH Inspectors tracked materials used on the project. The GOTECH Document Control Specialist was responsible for managing documents while ensuring their accuracy, quality, and integrity. These specialists helped firms adhere to record retention policies, safeguard information, and retrieve data more effectively. A large part of the job was to control the retrieval of documents. Document control specialists receive and process Requests for Information (RFIs) from employees or clients and maintain the requests via tracking logs. GOTECH was responsible for the smooth flow of work processes at the office.

Key Personnel: Kenneth Prescott

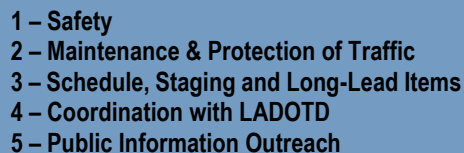
18. Approach and Methodology:

Project Understanding

The **US 90 Railroad Overpass SE of LA 85 Project** consists of construction of twin overpasses over the Louisiana and Delta Railroad spur line, associated substructure elements, and pier protection system along US 90 in Iberia Parish. The bridge structure consists of new precast pre-stressed girder spans and Mechanically Stabilized Earth Walls (MSEW) approaches. During this contract, we will provide Construction Contract Administration and Construction Engineering and Inspection (CE&I) services for construction of the new bridges, the approach spans, and roadway detours for US 90 during construction. We will also provide coordination with the Louisiana and Delta Railroad.

Project Team and Key Staff

The H&H CE&I Team includes GOTECH and Beta Group. GOTECH will provide inspection services while the Beta Group will serve as an independent Testing Laboratory, per 23 CFR 637.209,

- 
- 1 – Safety
 - 2 – Maintenance & Protection of Traffic
 - 3 – Schedule, Staging and Long-Lead Items
 - 4 – Coordination with LADOTD
 - 5 – Public Information Outreach

in the event the DOTD Testing Laboratory is not available. This Team was formed as a direct result of our **successful history** of collaboration on many previous CE&I projects for DOTD such as the I-10/I12 College Drive Project, the Company Canal Bridge Replacement Project, Barataria Bridge Replacement Project, as well as the specific skills and experience of the field staff.

To achieve the desired results, our team will provide a well-coordinated, cooperative, collaborative effort focused on using the available tools and techniques of our well-proven and time-tested approach to providing CE&I services. H&H has performed CE&I services for numerous types of fixed bridges (e.g., drilled shaft and pile supported, precast concrete girders and steel girders).

Babak “Bobby” Naghavi, PE, will be the Project Manager providing project/contract management for the contract. Tim Noles, PE will fill the role of the Quality Control Manager (QCM) for the project. Fred Wetekamm, PE will serve as our Project Engineer for this project and will be available at all times. Fred has extensive experience with similar DOTD CE&I projects and will work directly with the LADOTD District 03 assigned Construction Coordinator during project construction. Fred will be supported by our specialized bridge construction CE&I staff of qualified engineers

(structural, geotechnical, etc.), our in-house CPM scheduler, and experienced DOTD certified field staff of inspectors.

Specific Software and/or Equipment Desired

On several DOTD projects, our staff has used and are experienced and agile with electronic devices. This includes the ability to synchronize with SiteManager, SiteManager Material, LAPAVE software required by DOTD, tablets with mobile data and HeadLight software (Field book and Material), and wireless remote access.

Key Issues of the Bridge Construction

We have organized the key issues into two broad categories:

(1) Key Operational/Management Issues and (2) Key Technical Issues

Key Operational/Management Issues

Our team places a high priority on construction safety, and we are proud of our record – one of the best in the industry. We have never had a fatality or serious incident on any of our CE&I projects. The team is committed to public safety, and the safety and health of our staff and the construction staff. We have extensive and specialized major bridge construction experience and an understanding of the relevant health and safety issues of bridge construction. The approach to our work activities will include training for working adjacent to railroads, working adjacent to high-speed traffic, and fall protection. Staff will receive orientation and training regarding the hazards of working near project equipment, especially heavy equipment. H&H CE&I Team meets DOTD’s work zone requirements. All field personnel assigned to the project have successfully completed the Traffic Control Supervisor and/or Traffic Control Technician and Flagger training.

Some of the responsibilities and various tasks to be performed by the H&H CE&I Team are described more specifically as:

- Act as Project Engineer for the project and coordinate with the DOTD District and Headquarters personnel, Contractor, utility companies, railroad, and other parties to schedule and conduct the pre-construction meeting. The preconstruction meeting will include initial coordination of submittals, RFIs, project schedule and staffing.
- Hold weekly progress meetings to update the contractors’ work progress, inspection results of construction activities, address RFIs, submittals, scheduling of future work, public comments and safety items, and any other project concerns.

- Provide necessary personnel, equipment, and materials needed to inspect Contractor's construction operations (daily) to ensure that work performed is in accordance with the specified plans and specifications.
- Maintain construction field records including daily entries in the project diary to indicate the inspection personnel present on the job site, Contractor's personnel and equipment being utilized on the project, work being performed and accepted, acceptability of traffic control, and charging of contract time through utilizing DOTD software (LAPAVE, SiteManager, HeadLight).
- Inspect the Contractor's construction operations (daily) to ensure that work is performed in accordance with the specified plans and specifications and using approved materials.
- Coordinate and conduct weekly project progress meetings with DOTD and the Contractor, produce meeting minutes and distribute amongst each of the attendees within five days of the progress meeting.
- Keep clear and concise records of the contractual operations, prepare monthly pay estimates, and make weekly progress reports consisting of percent complete and time elapsed, approved change order amounts, and number of change orders to the DOTD Area Engineer.
- Coordinate with DOTD, Parish Engineers/Representatives, railroad and relevant utility agency representatives.
- Provide necessary personnel and equipment, and coordinate the activities of the selected testing laboratory, to perform the required field-testing for quality assurance in accordance with the latest DOTD Sampling and Testing Manual.
- Collect and submit sampled materials to be tested by DOTD District Testing Laboratories, in accordance with the stipulated Materials Sampling Manual. Ensure samples, field test, lab test submitted, and tests results are properly documented in DOTD software systems (LAPAVE, SiteManager materials, HeadLight, and other systems).
- Review and coordinate the entire final estimate package with the DOTD District Laboratory, including document submittals from Contractor, in conformance with DOTD requirements.
- Prepare final estimate packages, including Form 2059 – "Summary of Test Results" in conformance with DOTD requirements.
- Review form work drawings and submit to DOTD for further handling, review, and distribution. Submit for approval to the DOTD Project Engineer as stated in the DOTD Standard Specifications.
- All construction activities shall be coordinated between the Consultant, the Owner, the FHWA, and an assigned representative of DOTD. All work standards, methods of reporting, and documentation of pay quantities will be in accordance with the policies and procedures of DOTD. All partial and final

construction estimates, and other information must be submitted on forms approved by DOTD.

- Be available for conferences, visits to jobsites, and/or inspections by DOTD authorized representatives.
- Develop and submit "As-Built" plans with the final estimate. "As-Built" plans will reflect all changes made from the original plans. Changes to the plans are to be made in red. "As-Built" plans shall be full sized. In addition to submitting a copy of the "As-Built" plans with the final estimate, an additional copy shall be provided to the district.
- Develop Project Change Orders throughout the life of the project as necessary and upload any change order attachments through DOTD's software system.
- Monitor and document construction claims and provide recommendations on disposition of claims.
- Manage the Request for Information (RFI) process as defined on the DOTD internet site.
- Perform other duties normally required by DOTD Project Engineer's Office as directed by the DOTD Area Engineer.
- Coordinate press releases with the Contractors Public Information Manager (PIM) who will distribute releases to the local media outlets pertaining to project status and any anticipated traffic pattern changes on a timely basis with approval of DOTD Public Information Officer.
- Generate and maintain separate logs for Change Orders, RFIs, and submittals which details the status of each.



**I-10 & I-12 College Drive Flyover Ramp
Baton Rouge, LA**

Key Technical Issues

Key technical components of the bridge construction that require close attention are:

➤ Traffic Control

- Maintaining the traffic detour to provide visual awareness for the traveling public, safety of the workers and the public, and minimize public travel delays through the construction zone.

➤ Project Schedule

- The H&H CE&I Team will provide an initial and monthly review of the contractor's CPM schedule for LADOTD. It will be particularly important for early submittal and approval of a baseline schedule. Our Project Engineer will recommend that we make this a priority during the pre-construction period.
- Our team will aggressively monitor the schedule during construction and have the contractor include a three-week "look ahead" to identify future work, potential conflicts, and obstacles. We will work proactively with the contractor to develop solutions and keep critical activities on schedule.

➤ Site Considerations

- The contractor's SWPPP plan will be reviewed and monitored throughout the project. Weekly recap of devices will be reviewed at the weekly progress meeting.
- Railroad ROW in the project limits will be continuously monitored for safety and compliance.
- Utility work coordination is usually a part of the project effort that slows down the contractor's work progress. Consistent contact and coordination with the appropriate utility companies to perform their work is critical to keeping the project on schedule. This involves a constant communication effort by the CE&I project engineer. We have an experienced team that understands the priority of this effort for the project.
- Monitoring the impacts and effects on the public will be part of the CE&I obligations to minimize effects of restricted traffic flow at the project site.
- Installation of required drainage materials will be inspected to ensure function when installed and at the end of project.

➤ Foundation Considerations

- Foundation Pile Installation – The contractors' submitted pile installation plan/procedure needs to be reviewed and accepted by LADOTD Geotechnical Section and Structural Section prior to

implementing. Additionally, review and verification of the pile templates, and hammer sizes is performed. Submittal of the accepted pile order lengths to the fabricator will be performed by the project engineer.

- Precast-Prestressed Pile Inspections – Inspectors will review the concrete placement plans; meetings will be held with the contractor prior to installation so that the contractor and CE&I staff are on the path to meeting the specifications. Checks to be performed prior to pile installations are templates, pile numbers, certificates of delivery, storage, and handling. Checks to be performed during erection/installation will include verification of size and type of all rigging as shown on picking procedures, cleanliness of connection, no reaming of primary member connections, and that excessive force is not used to force connections into alignment.
- Mechanically Stabilized Earth Walls – Our team has experience with the installation of several types of MSE Walls (concrete block, concrete panel and temporary) on projects throughout south Louisiana. Noting that bearing soils vary in material and strength, particular attention is focused on the soil properties of the submitted MSE wall, uniform compaction efforts to achieve required density, and proper drainage features.

➤ Structural Considerations

- Bridge Columns, Bridge Caps and Risers – We will provide inspection that formwork is true and straight to provide for exterior aesthetics and installed per the approved installation plan.
- Bridge Joints – We will provide inspection that joints are straight and installed at correct elevations and installed per the approved installation plan.
- Deck Form Work – We will provide inspection that formwork is true and straight to provide for exterior aesthetics and installed per the approved installation plan.
- Reinforcing Steel – We will provide inspection for correct steel callouts, certify that it is American made, and that dimensions meet the tolerances on the plans or in LSSRB Section 805.
- Deck Work – Geometrical Verification Checks: Verification of the geometrical checks will be critical. The H&H CE&I Team will establish and witness hold points to review critical placements prior to final acceptance. Field staff along with experienced H&H bridge engineers will check to ensure clearances and tolerances shown in the installation plan, the project plans, and the specifications are met.

- Deck Pouring/Placement (Screed operation; Camber; Concrete weight)
The span (specify the type of deck in the contract plans) needs to be poured in its deflected shape to avoid cracking. A procedure needs to be implemented by the contractor to address how they will stabilize the bridge during the deck pour. Additionally, concrete unit weights will need to be checked throughout the pour and records of where the concrete was placed to assist in balancing span deflections and elevations.
- Ride Quality – We will provide inspection during the placement to ensure the ride quality of the bridge meets or exceeds the level of tolerances allowed.
- Protective Coating – Protective coating will be inspected for application thickness and color uniformity.

Our inspectors will review all concrete placement plans; meetings will be held with the contractor prior to placements so that the contractor and CE&I staff are on the plan to

meet the specifications. Hold point checks to be performed prior to concrete placement are formwork, reinforcing steel callouts and dimensions, equipment used by the contractor, and the approved mix design.

During field erection, a common issue with construction is deviations in how the span is erected in the shop compared to the field. In the past, this has resulted in the field survey not matching shop measurements as well as components not mating properly. We will caution the contractor of the importance of erecting the bridge in the shop with the same support points as the field.

During erection/installation, the Project Engineer will include verification of size and type of all rigging as shown on picking procedures.

Final Acceptance of Bridge Construction

Early in the shop drawing approval process, emphasis will be placed on Project Acceptance. The Contractor, H&H CE&I Team, and the Engineer of Record will work closely to identify any upcoming issues and provide early resolution. As-built construction documents will be maintained throughout the project and will be included with final acceptance along with RFI responses, plan changes, and update quantities.

Project Schedule

The contractor's submitted project schedule will coincide with the proposal construction schedule that is anticipated to be four years for the construction of both bridges. The Project Engineer will monitor the schedule during construction and have the contractor include a three-week "look ahead" to identify future work. The three-week look ahead schedule allows for efficient planning and coordination of inspection resources and testing of materials with the contractor.

Quality Assurance/Quality Control

A Quality Assurance/Quality Control (QA/QC) Plan will be developed for the project to provide a mechanism by which all deliverables will be subject to a systematic and consistent review including review of all sub-consultant work and deliverables. This QA/QC Plan will adhere to established DOTD policies, procedures, standards, and guidelines in the preparation and review of all deliverables submitted to the DOTD PM within 10 business days of the award notification.



I-75 and SR 50 Widening & Reconstruction
Hernando Co, FL

19. Workload:

Firm(s) ALL FIRMS MUST BE REPRESENTED IN THIS TABLE	Discipline(s) *	Contract Number and State Project Number	Project Name	Remaining Unpaid Balance**
Hardesty & Hanover	Bridge	4400023909 H.002798.6	Oaklawn Bridge Walkway / Parking Lighting	\$5,943
	Bridge	4400023511 H.009730.5 Task 1	Bridge Inspection of Complex Structures Miller's Bluff, Jimmie Davis, West Fork Bridge Inspection	\$483,252
	Bridge	4400023511 H.009730.5 Task 2	Bridge Inspection of Complex Structures LADOTD Movable Bridge Inspection Manual	\$613,000
	Bridge	4400023511 H.009730.5 Task 3	Bridge Inspection of Complex Structures US 190 bridge Inspection; Krotz Springs - Completed	\$149,466
	Bridge	4400023511 H.009730.5 Task 4	Bridge Inspection of Complex Structures SNBI Data Collection	\$1,630,656
	CE&I/OV	4400017430 H.001498.6	LA 24 and LA 316: Company Canal Bridge, Terrebonne Parish	\$444,758
	Bridge	4400023909 H.002244.5	IDIQ Contract for Movable Bridge Preservation Boudreaux Canal	\$259,318
	Bridge	4400023909 H.015963.5	IDIQ Contract for Movable Bridge Preservation Jackson Street	\$77,546
	CE&I/OV	4400024021 H.015028.6	LA 302: Bayou Barataria MB Replacement Route: LA 302	\$4,742,320
	CE&I/OV	4400024022 H.002264.6	LA 302: Bayou Barataria MB Replacement Route: LA 302	\$1,332,572
The Beta Group	CE&I/OV	H.014088	US 61: Int. Improvements at LA 427 Routes US 61 & LA 427	\$29,480
	CE&I/OV	H.003047.6	Pecue Lane I-10 Interchange	N/A
GOTECH, Inc.	CE&I/OV	4400017006; TO: H.011670	I-10 / Loyola Interchange Improvements (Jefferson Parish)	\$81,130
	CE&I/OV	4400019550; SPN: H.001234	LA 1: Port Allen Canal Bridge Replacement Phase 1 (HBI) (CE&I) Route LA 1	\$265,755
	CE&I/OV	4400023074; TO: H.012465	IDIQ Contract for Construction, Engineering & Inspection & Staff Augmentation - Pecan Island Rd District 61(Hammond)	\$54,591
	CE&I/OV	4400023074; TO: H.014694.6	LA 426:LA 73 Sherwood Forest District 61(Hammond)	\$40,520
	CE&I/OV	4400023074; TO: H.014930	Rumble Strips - District 61(Hammond)	\$21,449
	CE&I/OV	4400021740; SPN: H.004100.6	I-10: LA 415 to Essen Ln on I-10 & I-12 (West & East Baton Rouge Parish)	\$1,365,573
	Survey	4400025040; SPN: H.015530	Infrastructure Investment Off-System Bridge Program – Devall Rd over Drainage Ditch District 61 (Ascension Parish)	\$3,150 \$3,150

GOTECH, Inc. (Continued)	Survey	4400025040; H.015531	Rue De Kajun over Bayou Pierre Part (Ascension Parish)	\$3,150
	Survey	4400025040; H.015532	Beco Rd over Duckroos Bayou (Ascension Parish)	\$3,150
	Survey	4400025040; H.015540	Section Rd over Poydras (Point Coupee & WBRP)	\$3,150
	Survey	4400025040; H.015534	Line Rd over Black Creek (E Feliciana Parish)	\$4,500
	Survey	4400025040; H.015535	Billy Goat Rd over Palmers Ranch (E Feliciana Parish)	\$4,500
	Survey	4400025040; H.015533	Midway Rd over Black Creek (E Feliciana Parish)	\$4,500
	Survey	4400025040; H.015536	Thompson Creek Rd over Shady Grv Bayou (Iberville Parish)	\$4,500
	Survey	4400025040; H.015538	Callegan Rd over Drainage Bayou (Iberville Parish)	\$4,500
	Survey	4400025040; H.015542	Highland Rd over Madden Creek (W Feliciana Parish)	\$4,500
	Survey	4400025040; H.015542	Greenwood Rd over Old Creek (W Feliciana Parish)	\$4,500
	Survey	4400025040; H.015541	Canfield Rd over West Fork Bayou (W Feliciana Parish)	\$4,500
	Survey	4400025040; H.015539	Lorio Dairy Rd over Bayou Sere (Point Coupee Parish)	\$4,500
	CE&I/OV	4400024438; SPN: H.010673 Control Section No. 283-09	US90Z: Harvey Canal Tunnel Rehab Route US 90-Z Federal Aid Project (Jefferson Parish)	\$190,550
	CE&I/OV	4400021680; SPN: H.008145.6	LA 1: Leeville to Golden Meadow (Lafourche Parish)	\$718,942
	CE&I/OV	4400025536; SPN: H.013956.6	IDIQ CE&I District 61 – Beamon Rd Bridge (Pointe Coupee Parish)	\$39,703
	CE&I/OV	4400028884; SPN: H.003931.5	Calcasieu River Bridge (Calcasieu Parish)	\$89,115
	Survey	4400023512; TO: 1	IDIQ Bridge Inspection – John James Audubon Bridge Monitor (Statewide)	\$6,146
	Survey	4400026910 & 4400026911; SPN: H.015210.5	IDIQ Design of Safety Proj–Judge Tanner Blvd Sidewalk (St. Tammany Parish)	\$33,444

20. Certifications/Licenses:

 **LOUISIANA PROFESSIONAL
ENGINEERING & LAND SURVEYING BOARD
(LAPELS)**
9643 Brookline Avenue, Suite 121
Baton Rouge, LA 70809
Phone (225) 925-6291
www.lapels.com

Mr. Babak Naghavi

License/Certificate Type - Number Expiration Date
PE.0020745 **09/30/2026**

Status: **Active**

 **ATSSA
TRAINED**

PROOF OF TRAINING
THIS CERTIFICATE HEREBY RECOGNIZES THAT

Babak Naghavi
has attended
Louisiana Traffic Control Supervisor Refresher
Training Course

8/18/2023 to 8/18/2027
Training Valid Through

New Orleans, LA
Location

Don M. Clark
Vice President of Education and Technical Services

John T. Fisher
President, CEO

ATSSA provides training and certification but neither constitutes employment by ATSSA.

 **ATSSA**
American Traffic Safety Services Association ATSSA.com

 **AMERICAN TRAFFIC
SAFETY SERVICES
ASSOCIATION**

This is to affirm that
Babak Naghavi
has satisfied the requirements to be designated as a
CERTIFIED FLAGGER

Expiration Date **01-20-24** State Issued in **LA**

Thomas Ervin
Instructor Signature


certification available by calling 1-877-642-4637 or at <http://www.flagger.com>

 **LOUISIANA PROFESSIONAL
ENGINEERING & LAND SURVEYING BOARD
(LAPELS)**
9643 Brookline Avenue, Suite 121
Baton Rouge, LA 70809
Phone (225) 925-6291
www.lapels.com

Mr. Frederick Louis Wetekamm III

License/Certificate Type - Number Expiration Date
PE.0025369 **03/31/2026**

Status: **Active**

 **ATSSA
TRAINED**

PROOF OF TRAINING
THIS CERTIFICATE HEREBY RECOGNIZES THAT

Frederick Wetekamm
has attended
Louisiana Traffic Control Supervisor Refresher
Training Course


9/8/2023 to 9/8/2027
Training Valid Through

Baton Rouge, LA
Location

Don M. Clark
Vice President of Education and Technical Services

John T. Fisher
President, CEO

ATSSA provides training and certification but neither constitutes employment by ATSSA.

 **ATSSA**
American Traffic Safety Services Association ATSSA.com

 **ATSSA** American Traffic Safety
Services Association

This is to affirm that
FREDERICK WETEKAMM
has satisfied the requirements to be designated as a
CERTIFIED FLAGGER

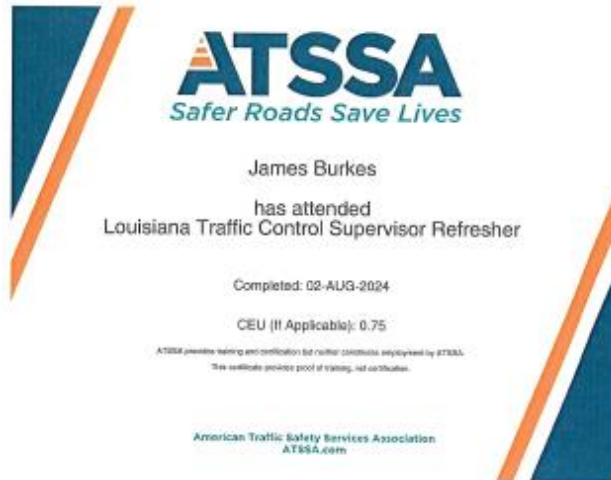
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Exp. Date **01-07-29** *Thomas Ervin*
State Issued **LA** *Thomas Ervin*

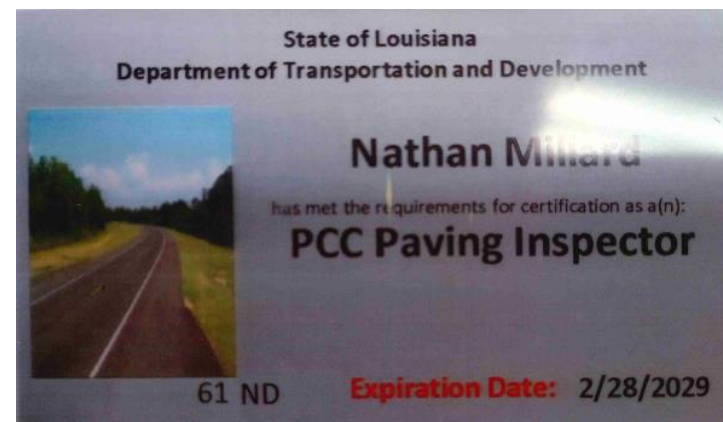
Thomas Ervin
Instructor Signature

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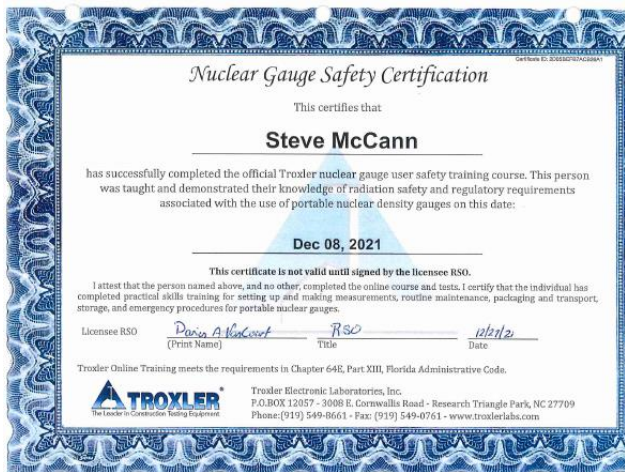
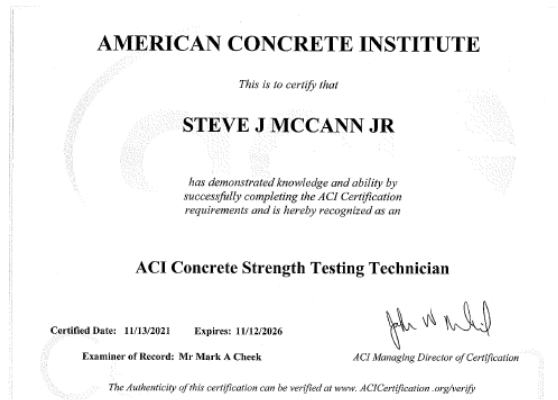
Verify at Flagger.com











PRIME CONSULTANT'S SECRETARY OF STATE DOCUMENT

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Commercial - Search

State of
Louisiana
Secretary of
State



COMMERCIAL DIVISION
225.925.4704

Fax Numbers
225.932.5317 (Admin. Services)
225.932.5314 (Corporations)
225.932.5318 (UCC)

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Commercial - Search

Name	Type	City	Status
HARDESTY & HANOVER, LLC	Limited Liability Company (Non-Louisiana)	WILMINGTON	Active

Previous Names

Business: HARDESTY & HANOVER, LLC

Charter Number: 40880812Q

Registration Date: 7/6/2012

Domicile Address

2711 CENTERVILLE ROAD, SUITE 400
WILMINGTON, DE 19808

Mailing Address

1501 BROADWAY, 6TH FLOOR
NEW YORK, NY 10036

Principal Business Office

1501 BROADWAY, 6TH FLOOR
NEW YORK, NY 10036

Registered Office in Louisiana

3850 N. CAUSEWAY BOULEVARD, SUITE 1625
METAIRIE, LA 70002

Principal Business Establishment in Louisiana

3850 N. CAUSEWAY BOULEVARD, SUITE 1625
METAIRIE, LA 70002

Status

Status: Active

Annual Report Status: In Good Standing

Qualified: 7/6/2012

Last Report Filed: 7/3/2024

Type: Limited Liability Company (Non-Louisiana)

Registered Agent(s)

Agent:	BABAK NAGHAVI
Address 1:	3850 N. CAUSEWAY BOULEVARD, SUITE 1625
City, State, Zip:	METAIRIE, LA 70002
Appointment Date:	6/1/2017

Officer(s)

Additional Officers: No

Officer:	SEAN BLUNI
Title:	Member
Address 1:	1501 BROADWAY, 6TH FLOOR
Address 2:	HARDESTY & HANOVER, LLC
City, State, Zip:	NEW YORK, NY 10036

Officer:	PAUL SKELTON
Title:	Member
Address 1:	1501 BROADWAY, 6TH FLOOR
Address 2:	HARDESTY & HANOVER, LLC
City, State, Zip:	NEW YORK, NY 10036

Officer:	KEITH GRIESING
Title:	Member
Address 1:	1501 BROADWAY, 6TH FLOOR
Address 2:	HARDESTY & HANOVER, LLC
City, State, Zip:	NEW YORK, NY 10036

Officer:	GLEN SCHELICH
Title:	Member
Address 1:	5 MARINE VIEW PLAZA, SUITE 503
Address 2:	HARDESTY & HANOVER, LLC
City, State, Zip:	HOBOKEN, NJ 07030

Officer:	DAVID TUCKMAN
Title:	Member
Address 1:	1501 BROADWAY, 6TH FLOOR
Address 2:	HARDESTY & HANOVER
City, State, Zip:	NEW YORK, NY 10036

Officer:	ROBERT DREW
Title:	Member
Address 1:	1501 BROADWAY, 6TH FLOOR
Address 2:	HARDESTY & HANOVER, LLC
City, State, Zip:	NEW YORK, NY 10036

Officer:	SCOTT REYNOLDS
Title:	Member
Address 1:	180 ADMIRAL COCHRANE DRIVE, SUITE 555
Address 2:	HARDESTY & HANOVER, LLC
City, State, Zip:	ANNAPOLIS, MD 21401

Amendments on File (1)

Description	Date
Foreign LLC Statement of Change	6/1/2017

SUBCONSULTANTS' SECRETARY OF STATE DOCUMENT

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State of
Louisiana
Secretary of
State**COMMERCIAL DIVISION**
225.925.4704Tax Numbers
225.932.5317 (Admin. Services)
225.932.5314 (Corporations)
225.932.5318 (UCC)

Name	Type	City	Status
THE BETA GROUP ENGINEERING & CONSTRUCTION SERVICES, L.L.C.	Limited Liability Company	GRETNA	Active

Previous Names

BETA TESTING & INSPECTION LIMITED LIABILITY COMPANY (Changed: 3/9/2012)

Business: THE BETA GROUP ENGINEERING & CONSTRUCTION SERVICES, L.L.C.**Charter Number:** 34565921K**Registration Date:** 7/15/1997**Domicile Address**1428 1/2 CLAIRE AVE.
GRETNA, LA 70053**Mailing Address**1428 1/2 CLAIRE AVE.
GRETNA, LA 70053**Status****Status:** Active**Annual Report Status:** In Good Standing**File Date:** 7/15/1997**Last Report Filed:** 6/18/2024**Type:** Limited Liability Company**Registered Agent(s)****Agent:** MURRAY WHITE
Address 1: 1428 1/2 CLAIRE AVE.
City, State, Zip: GRETNA, LA 70053
Appointment Date: 6/20/2003**Officer(s)**

Additional Officers: No

Officer: JOHN P. LAUGHLIN, JR.
Title: Member
Address 1: 1910 WILLOW STREET
City, State, Zip: HARVEY, LA 70058**Officer:** MURRAY WHITE
Title: Member
Address 1: 2625 ORBIT CT.
City, State, Zip: HARVEY, LA 70058https://corweb.sos.la.gov/CommercialSearch/CommercialSearchDetails_Print.aspx?CharterID=484874_8068428F2

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Amendments on File (8)

Description	Date
Amendment	6/23/1999
Amendment	9/14/1999
Amendment	6/19/2002
Amendment	8/20/2007
Domestic LLC Agent/Domicile Change	7/13/2009
Name Change	3/9/2012
Appointing, Change, or Resign of Officer	9/13/2023
Amendment	9/13/2023

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State of
Louisiana
Secretary of
State**COMMERCIAL DIVISION**
225.925.4704Tax Numbers
225.932.5317 (Admin. Services)
225.932.5314 (Corporations)
225.932.5318 (UCC)

Name	Type	City	Status
GOTECH, INC.	Business Corporation	BATON ROUGE	Active

Previous Names**Business:** GOTECH, INC.**Charter Number:** 333236600**Registration Date:** 2/11/1981**Domicile Address**8383 BLUEBONNET BLVD.
BATON ROUGE, LA 70810**Mailing Address**C/O RHAOUL A. GUILLAUME
8383 BLUEBONNET BLVD.
BATON ROUGE, LA 70810**Principal Office Address**8383 BLUEBONNET BLVD
BATON ROUGE, LA 70810**Status****Status:** Active**Annual Report Status:** In Good Standing**File Date:** 2/11/1981**Last Report Filed:** 1/14/2025**Type:** Business Corporation**Registered Agent(s)****Agent:** RHAOUL A. GUILLAUME
Address 1: 8383 BLUEBONNET BLVD.
City, State, Zip: BATON ROUGE, LA 70810
Appointment Date: 2/4/1983**Officer(s)**

Additional Officers: No

Officer: GERETTA H. GUILLAUME
Title: Secretary
Address 1: 203 W. WOODGATE CT.
City, State, Zip: BATON ROUGE, LA 70808**Officer:** RHAOUL A. GUILLAUMEhttps://corweb.sos.la.gov/CommercialSearch/CommercialSearchDetails_Print.aspx?CharterID=223194_9CC618003B

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Title: President
Address 1: 8383 BLUEBONNET BLVD.
City, State, Zip: BATON ROUGE, LA 70810**Amendments on File (5)**

Description	Date
Domicile, Agent Change or Resign of Agent	4/21/1981
Domicile, Agent Change or Resign of Agent	2/4/1983
Disclosure of Ownership	5/2/1995
Disclosure of Ownership	8/20/1998
Amendment	1/18/2007

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21. QA/QC Plan:

QA/QC Plan will be submitted within 10 business days of the award notification.

22. Sub-consultant information:

Firm Name (Name must match <u>exactly</u> as registered with Louisiana's Secretary of State (SOS): <u>including punctuation, include screenshot(s) from SOS at the end of Section 20</u>)	Address	Point of Contact and email address	Phone Number
The BETA Group Engineering & Construction Services, L.L.C.	1428 ½ Claire Avenue Gretna, LA 70053	Murray White mwhite@betagroupgc.com	(504) 227-2273
GOTECH, Inc.	8383 Bluebonnet Boulevard Baton Rouge, LA 70810	Rhaoul A. Guillaume, Sr., P.E., F.ASCE rhaoul@gotech-inc.com	(225) 766-5358

23. Location:

N/A



3850 N. Causeway Blvd, Suite 1625
Metairie, LA 70002
T: 504.962.9212
la@hardestyhanover.com