

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT (Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)

20. EXAMPLE PROJECT KEY NUMBER

1

21. TITLE AND LOCATION (City and State)

General Consulting Contract, Henry E. Rohlsen Airport
St. Croix, U.S. Virgin Islands

22. YEARS COMPLETED

PROFESSIONAL
SERVICES
2010-Present

CONSTRUCTION
(if applicable)
2013-Present

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER

Virgin Islands Port Authority

b. POINT OF CONTACT NAME

**Walter Tomyn
Sr. Engineer**

c. POINT OF CONTACT TELEPHONE NUMBER

(317) 459-3353

24. BREIF DESCRIPTION OF THE PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, cost)

American Infrastructure Development, Inc. (AID) has provided general consulting services to the Virgin Islands Port Authority at Henry E. Rohlsen Airport since 2010.

Over the last 13 years, AID has completed multiple tasks, all of which were completed on time and under budget. AID served as the Prime and Engineer of Record for the reconstruction of the existing air carrier, air cargo, military, and general aviation aprons, as well as the Runway and Taxiways A and B.



APRON 6, 7 AND 2 REHAB

The apron project is on-going and has been constructed in multiple phases due to funding availability. Phases 1 through 4 have been completed and include asphalt and concrete pavement reconstruction of the air carrier and general aviation aprons and Phases 5, 6 and 7 are currently under design. Construction phasing plan included coordination with the airlines and Airport Operations to temporarily change gate positions to avoid any impact to aircraft operations. Responsibilities included the overall project management, coordination with the FAA on grant Pre-Applications, Applications, and compliance during construction, coordinating with FAA ATCT on Safety Risk Management (SRM) process, preparation of the Construction Safety and Phasing Plan, and Construction Administration Services.

Key Personnel

- ✈ Sabina C. Chadhry
- ✈ Kyle Holley, P.E.
- ✈ Renee Culmer
- ✈ Michael Cummings
- ✈ Almida Martinez-Rosell

LIGHT CARGO APRON

This project consisted of design alternatives for a new concrete apron located at Bohlke's FBO Terminal (known as the Light Cargo Apron). Design challenges included developing a life cycle analysis to show the benefits of demolishing the aging asphalt apron and replacing with new slip form concrete. The life cycle analysis for this project showed an economic benefit to using Portland Cement Concrete pavement in lieu of asphalt with a break even cost at year 16, providing an overall savings to the client of approximately \$1M over a 50-year period. Total construction cost for the 13,000 SY apron was \$3.8M

TW-RW-AIRFIELD VAULT (RUNWAY SHOULDER PAVING PROJECT)

This Project is currently on-going and is in the final stages of completion. Construction was funded over two separate grants and included the construction of new 25-ft wide paved shoulders, the replacement of the existing airfield lighting with new LED edge lights, and the construction and relocation of the existing electrical vault building to a new location. Project challenges included phasing of the project to keep runway lighting operational throughout construction and installation of the new electrical equipment. The project also including upgrading the ALCMS computer and display boards in the Tower with remote access from roaming laptops. (\$7.1M)

RUNWAY 10-28 REHABILITATION

The project consisted of the design and construction administration for the rehabilitation of Runway 10-28 at Henry E. Rohlsen Airport in St. Croix, U.S. Virgin Islands. The airport's only runway is 10,000 feet long by 150 feet wide and had to remain open during the day for commercial, cargo, military, and general aviation traffic. The design considered night-time work, following FAA's guidelines on off-peak construction, which was required to construct the project. The project included variable milling of the existing asphalt, repair of existing reflective cracking, installation of a crack relief membrane, and placement of a new variable thickness asphalt surface. The project also included the reconstruction and expansion of the existing Runway 28 blast pad. The project was designed and constructed in two phases.

Phase 1: completed in 2011 included the eastern 7,500 feet of the runway.

Phase 2: completed in 2017 and included the mill and overlay of the keel section of the western 2,500 feet of the runway and sealcoating of the remaining portion of the runway and a portion of the parallel Taxiway A.

NEW AIRPORT RESCUE AND FIREFIGHTING FACILITY

AID served as the Engineer of Record and provided Construction Administration Services for this project. The project included the planning, programming, design, and construction inspections of a new ARFF building, new airside ARFF vehicle parking apron, landside access road and vehicular parking, utilities (water, sewer, power, data), and security fencing and gate. The project also includes an airside roadway which will extend from the ARFF parking apron to Taxiway A.



The previous ARFF station at STX was severely undersized and barely provided adequate space to support the type of services provided by the ARFF firefighters including aircraft incidents/accident response, structural firefighting, emergency medical response, spill control and hazardous materials response, fire safety inspections, fire, and EMS training to tenants, etc.

APRON PAVEMENT RECONSTRUCTION REHABILITATION

The design scope of work included the reconstruction of the concrete Air Carrier Terminal Apron, and the development of a new parking plan for all terminal aircraft parking positions, including construction-phasing plans for the same. The existing concrete apron originally constructed by the Army Corps of Engineers is over 50 years old and includes an inactivated underground fueling system. There are only two concrete plants on the island. All pipe and associated materials are brought in from off island.

Phase 1: total cost of \$6.0M, has been designed and was awarded a FAA Entitlement and Discretionary grant for construction for FY 2014.

Phase 2: awarded a FY 2015 grant and construction began in April 2015.



AID under the General Consulting Contract for the Henry E. Rohlsen Airport has also performed Airfield Security Improvements, Airport Layout Plan Update, Pavement Management Plan Update, Grant Services, PFC Application preparation, and general on-call services.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
a.	American Infrastructure Development, Inc	Tampa, Florida	Design and Construction Phase Services
b.	Quantum Electrical Engineers	Boca Raton, Florida	Airfield Electrical
c.	Bioimpact, Inc.	St. Croix, USVI	Environmental Permitting
d.	Antillean Engineering, Inc.	St. Croix, USVI	Topographic Surveys
e.	BuildTec, Inc.	St. Croix, USVI	RPR Inspections

Extraordinary design begins with a singular idea.

Corgan is a global architecture, design, and planning firm with a user-centered approach and deep technical experience. Celebrating our 87th year in business, Corgan operates at 19 locations and 1,100+ professionals networked across the U.S., U.K., Europe, and Singapore. Our clients are at the center of everything we do. As an international aviation leader, our firm has over 75 years of experience and employs more than 270 market-dedicated professionals in planning and designing aviation facilities. We've built lasting relationships with aviation clients for more than 200 airports across the Americas, Europe, Singapore, China, and the Middle East through a process grounded in data and dialogue to design airports that perform with functional, technical, and aesthetic excellence. Our deep bench of experts is actively involved in aviation projects ranging from regional and domestic airports to some of the largest international airports in the world. Our experience working with airport authorities, airlines, and aviation facilities provides us with the vantage point to achieve successful outcomes for clients, stakeholders, and passengers.

We design airports that delight and inspire. We provide the vision, planning, and technical ability to help get you — and your passengers — where you need to go. As the gateway to cities and regions, airports are becoming distinct destinations that influence how visitors perceive communities while creating opportunities for commerce, trade, and tourism. The experience-focused and award-winning airports and mobility projects we've designed are widely recognized for their efficiency, beauty, functionality, sustainability, connection to place, and most importantly — how they shape the passenger experience.

Our reputation is based on our unwavering commitment to customer service. Our process focuses on in-depth involvement with our partners. We avoid the formulaic approach to design and focus on listening and closely collaborating with our clients to transform their visions into reality. The result is a thorough understanding of the functional, operational, programmatic, and commercial revenue generation issues inherent in aviation to get passengers to the next step of their journey. Whether it's imagining the future of urban mobility, designing beautifully imagined airport terminals, creating experience-changing premium lounges, envisioning the future of commercial spaceports, or streamlining operations, Corgan is leading the way.

CORGAN ■

LEGAL NAME:

Corgan Associates, Inc. (dba Corgan)

LEGAL STRUCTURE:

C-Corporation

YEARS IN BUSINESS:

87

HEADQUARTERED IN:

Dallas, Texas

LOCATIONS:

Amarillo, Atlanta, Austin, Chicago, Dallas, Denver, Dublin, Frisco, Houston, London, Los Angeles, New York, Orlando, Phoenix, San Antonio, San Francisco, Seattle, Singapore, Washington DC

200⁺

global airports Corgan has worked for or at

75⁺

years of aviation experience

Top 10

Terminal Architect, *BD+C* 2013-2024

John Trupiano

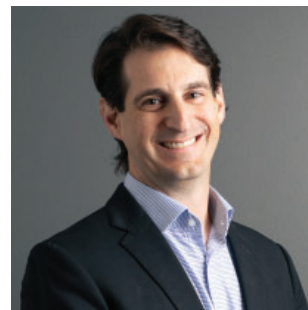
————— AIA, LEED AP, NCARB

Principal

John serves as a Principal on the Corgan aviation studio with over 27 years of architectural experience dedicated to leading aviation programs across the globe. Having had airlines, airports and governments as clients, John understands the challenges and intricacies of the operations-based solutions important to airlines and operators, while maintaining the design excellence important to providing an exceptional customer experience. He implements environmentally responsible and sustainable programs that provide flexibility to meet the current and future needs of the aviation industry. He expertly guides programs through the planning and design process and is adept at building consensus among multiple stakeholders.

SELECT EXPERIENCE

- TLH International Passenger Processing Facility (FIS & GAF); Tallahassee, Florida
- SAT Terminal Development Program; San Antonio, Texas
- SAT Airport Terminal Planning Program; San Antonio, Texas
- IAH United Airlines Terminal B North Planning and Conceptual Design Services; Houston, Texas
- DFW Terminal Renewal and Improvement Program (TRIP); Dallas, Texas
- PHX Terminal 3 Modernization Program; Phoenix, Arizona
- IAH Terminal B Program Definition Manual; Houston, Texas
- DFW International Terminal D; Dallas, Texas
- DFW Terminal B Stinger; Dallas, Texas
- SMF Central Terminal B; Sacramento, California
- PVG New South Satellite Concourse; Shanghai, China
- CUR Terminal Expansion Project; Curacao
- TUL New Combined GAF and FIS; Tulsa, Oklahoma
- SXM Preclearance Design and Terminal Reconstruction, St. Maarten



EDUCATION

Bachelor of Architecture:
University of Kansas

REGISTRATION

Architect — Florida, Idaho,
Kentucky, Louisiana, Michigan,
Missouri, Texas, U.S. Virgin
Islands
AIA
NCARB
USGBC / LEED AP

27
years of experience

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
KYLE HOLLEY, P.E.	PROJECT MANAGER	a. TOTAL 18	b. WITH CURRENT FIRM 10

15. FIRM NAME AND LOCATION (City and State)

American Infrastructure Development, Inc. (AID, Inc.) | St. Croix, U.S. Virgin Islands and Venice, FL

16. EDUCATION

B.S. Civil Engineering – Auburn University, 2006

17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)

USVI PE License 1308-E

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Training, Awards, etc.)

Kyle Holley, P.E. has demonstrated his expertise across a broad spectrum of engineering projects, showcasing his comprehensive knowledge in civil engineering design and construction administration. His specialized experience in airfield projects spans from major hub airports to smaller general aviation facilities. Kyle is responsible for a wide range of civil engineering assignments, including technical design, pavement analysis, plan and specification development, permitting, and construction administration.

Having a profound understanding of the construction process, Mr. Holley has successfully fulfilled roles as both a design leader and construction administrator on numerous projects. This invaluable experience equips him with the ability to make informed decisions and create designs with optimal constructability in mind, ultimately resulting in cost savings and timely project delivery.

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION
a	Brightline Train Lobby Drop-Off Parking Lots A, B, and C (P3, Design-Build) Orlando Int'l Airport , Orlando, FL	2023	2023
	(3) BRIEF DESCRIPTION (scope, size, cost, etc.) AND SPECIFIC ROLE	☒ Check if project performed with current firm	
	Drainage and Erosion Control Project Manager: Kyle served as the project manager for drainage and erosion control related elements associated with the construction of three parking facilities to support the concurrently designed Brightline Train Station at Orlando International Airport. The State of Florida entered into a Public Private Partnership for the station development for the Brightline rail system across the state of Florida. This project represents the Airport related transportation model for the first private sector inter-city rail system in Florida for over a century. Kyle acted for the Project Manager for AID who was a Subconsultant to C&S Companies for the Design Build of three parking lot facilities that acted as enabling projects for the Train Facility. C&S and AID designed and Permitted Parking Lots A, B, and C under a design-build contract with the Middlesex Construction Corporation in just under Three Months. The project is currently in the land clearing phases and will go into construction next month. Cost: \$24M		

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION
b	Terminal Expansion, Henry E. Rohlsen Airport St. Croix, USVI	2018	2022
	(3) BRIEF DESCRIPTION (scope, size, cost, etc.) AND SPECIFIC ROLE	☒ Check if project performed with current firm	
	Project Manager: Responsible as the Engineer of Record for the airside and civil portions of the project, and Project Manager for the construction and expansion of the existing departure area hold room. Project challenges included the permitting and approval process through multiple federal entities including the Transportation Security Agency, and Customs and Border Protection in this unique, pre-clearance terminal for flights from the territory back to the US Mainland. The project included converting existing exterior spaces into new air-conditioned waiting and concession areas to double the size of the existing hold room. (\$8M).		

C	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION
	Runway 9-27 Rehabilitation, Brooksville-Tampa Bay Regional Airport Brooksville, Florida	2020	2022
	(3) BRIEF DESCRIPTION (scope, size, cost, etc.) AND SPECIFIC ROLE	☒ Check if project performed with current firm	
	Project Manager. Responsible for the design and project management for the reconstruction of the existing 7,000-ft primary runway at BKV. Project elements included milling the existing concrete surface and overlaying with a new 5 1/2" Bituminous Surface Course. Project challenges included developing an appropriate reconstruction alternative (concrete mill and asphalt overlay) to accommodate 45-day closure period for the runway (\$12M)		

d	(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
	Southwest Hangar Redevelopment, Albert Whitted Airport		PROFESSIONAL SERVICES	CONSTRUCTION
	St. Petersburg, Florida		2015	2020
	(3) BRIEF DESCRIPTION (scope, size, cost, etc.) AND SPECIFIC ROLE		☒ Check if project performed with current firm	
	Engineer of Record/Project Manager: Kyle served as the Engineer of Record and Project Manager for the redevelopment of approximately 4 acres of the airport's southwest quadrant. The Project included the demolition of an existing bulk hangar facility, construction of two new maintenance hangars ranging in size from 13,000 – 26,000 SF each, the demolition and reconstruction of 5 new T-Hangars of various sizes, parking lot and tie-down layouts. Project challenges included developing a new stormwater masterplan for the entire airport to aid in local permitting requirements and the phased construction of the 7-hangar campus to accommodate all displaced tenants throughout the construction duration. Total Cost: \$8M			

e	(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
	Aircraft Rescue and Fire Fighting (ARFF) Facility, Henry E. Rohlsen Airport		PROFESSIONAL SERVICES	CONSTRUCTION
	St. Croix, U.S. Virgin Islands		2015	2019
	(3) BRIEF DESCRIPTION (scope, size, cost, etc.) AND SPECIFIC ROLE		☒ Check if project performed with current firm	
	Lead Airfield Engineer/Construction Administration: Kyle has served as Lead Airfield Engineer and Construction Administration on all recent projects at HERA. The projects included the Apron Reconstruction, Runway Rehabilitation, new ARFF facility, Pavement Management Plan Update. He truly serves as an extension of staff for the Authority and has provided on-call services such as ALP updates, exhibits, cost estimating, FAA Grant Pre-Applications and Applications.			

f	(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
	Taxiway Rehabilitation, Phases 1 & 2, St. Pete-Clearwater International Airport , Clearwater, Florida		PROFESSIONAL SERVICES	CONSTRUCTION
			2014	2017
	(3) BRIEF DESCRIPTION (scope, size, cost, etc.) AND SPECIFIC ROLE		☒ Check if project performed with current firm	
	Lead Airfield Design Engineer: Lead Airfield Design Engineer for the 10,000' rehabilitation of Taxiway 'A' and the construction of several new taxiway connectors designed in conformance with updated FAA Advisory Circular criteria. The design for the second phase of the project included the rehabilitation of Taxiways 'B', 'M', and 'F' and was conducted concurrently with the Taxiway 'A' design but was bid separately to obtain funding for both projects. Responsibilities included developing the Engineer's Report, plan sheets and specifications, and conducting a cost benefit analysis on various bidding alternatives. Cost: Phase 1 (\$15.4M), Phase 2 (\$5.5M)			

TLC Engineering Solutions, Inc., an employee owned company, has provided high-performance engineering design, consulting and energy services since 1955. Consistently ranked among the largest MEP and structural engineering firms in the country, TLC is an industry leader in the aviation market.

Headquarters in Orlando, FL, TLC is a growing leader in the aviation market and has eight offices throughout Florida. We also have offices in Nashville, Colorado, New Orleans, Dallas, Fort Worth, Houston, Los Angeles, Philadelphia, Charlotte, Chicago, Milwaukee, Atlanta, DC (Baltimore-Washington Metro Area). Our highly qualified team of 500 professionals includes professional engineers, LEED-accredited professionals, ACG-registered commissioning authorities, acoustic specialists, energy management, and technology experts.

TLC is an industry leader using the latest technologies and practices on a wide array of building types. TLC has provided engineering services in the aviation market for many years, successfully delivering major expansions, entirely new facilities, interior renovations, central energy plants, pre-conditioned air systems and passenger boarding bridge cooling. Aviation projects have numerous unique design challenges in the development of mechanical/electrical systems, as well as the technology and security systems. As a high-profile/high-use public facility, the buildings must function effectively 24/7/365, under widely fluctuating occupancy scenarios and be able to maintain operation in adverse weather conditions, while also operating sustainably. Systems require built-in flexibility to support expansion and integration with existing control and monitoring components. TLC understands these unique requirements and has earned a reputation for engineering aviation facilities that meet these demands, while being passenger-friendly and comfortable for the traveling public.

Annually, 125+ million
people travel through airports
engineered by TLC.



Orlando International Airport South Terminal C



Seattle-Tacoma International Airport North Satellite



Fort Lauderdale International Airport Terminal 5

12. NAME		13. ROLE IN THIS CONTRACT		14. YEARS EXPERIENCE	
Dominic J. Cacolici, PE		Mechanical Engineer of record		a. TOTAL 30	b. WITH CURRENT FIRM 13
15. FIRM NAME AND LOCATION (City and State) TLC Engineering Solutions, Inc. – Tampa, Florida					
16. EDUCATION (Degree and Specialization) BS, Mechanical Engineering			17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Professional Engineer: PE VI 0-46585-1B		
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Dominic is in charge of Aviation Projects for TLC and has successfully led the design of mechanical systems for many complex aviation projects. This has entailed designing chilled water and condenser piping while maintaining continuous airport operations for airports across the country and outside the contiguous United States. He has developed a solid background and knowledge in the design of mechanical systems that provide high efficiency and sustainability, reducing energy and maintenance costs. Dominic is also a certified private pilot, further demonstrating his passion for aviation.					
19. RELEVANT PROJECTS					
a.	(1) TITLE AND LOCATION (City and State) Henry E. Rohlsen Airport (STX) Improvements, St. Croix, VI		(2) YEAR COMPLETED		
			PROFESSIONAL SERVICES 2018	CONSTRUCTION (If Applicable) 2022	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Mechanical Engineer Of Record: Curbside expansion at the main terminal, adding new elevated and at-grade lanes and circulation buildings for both the Blue and Red sides of the terminal. Designed a new 4800-ton central energy plant for the main terminal including all connecting lines from the CEP building to the main terminal and relocation of existing underground utilities. \$8 million / 5,000 sf new, 5,000 sf renovation			☒ Check if project performed with current firm		
b.	(1) TITLE AND LOCATION (City and State) Tampa International Airport Curbside Expansion Program and CEP, Tampa, Florida		(2) YEAR COMPLETED		
			PROFESSIONAL SERVICES 2021	CONSTRUCTION (If Applicable) 2024	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Mechanical Engineer Of Record: Curbside expansion at the main terminal, adding new elevated and at-grade lanes and circulation buildings for both the Blue and Red sides of the terminal. Designed a new 4800-ton central energy plant for the main terminal including all connecting lines from the CEP building to the main terminal and relocation of existing underground utilities. \$288 million / 228,400 sf			☒ Check if project performed with current firm		
c.	(1) TITLE AND LOCATION (City and State) Sarasota Bradenton International Airport Terminal Concourse Expansion, Sarasota, Florida		(2) YEAR COMPLETED		
			PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If Applicable) Ongoing	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Mechanical Engineer Of Record: Expand the existing holdroom capacity, expand and/or increase concessions areas, improve the efficiency of the arrival/departure gate areas, install an additional ingress/egress elevator system, evaluate and upgrade power and utilities, and construct a new concourse for an additional eight (8) gates. \$100 million / 120,00 sf (new) / 80,000 sf reno)			☒ Check if project performed with current firm		
d.	(1) TITLE AND LOCATION (City and State) Fort Lauderdale International Airport Terminal 5 Fort Lauderdale, Florida		(2) YEAR COMPLETED		
			PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If Applicable) Ongoing	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Mechanical Engineer Of Record: Five--gate terminal building structure and ramp aircraft parking, multistory passenger connector structure from Terminal 4 to Terminal 5. Includes remote aircraft parking ramp, roadways to/from Terminal 5, new ground transportation center for Terminals 4 and 5, elevated pedestrian bridge structure between Terminal 5 and the Cypress Garage, in-line hydrant fueling system for Terminal 5, and various enabling work located at 100 Terminal Drive. \$240 million / 180,000 sf			☒ Check if project performed with current firm		
e.	(1) TITLE AND LOCATION (City and State) Orlando International Airport South Terminal C Phase 1 Pre-Conditioned Air System, Orlando, Florida		(2) YEAR COMPLETED		
			PROFESSIONAL SERVICES 2018	CONSTRUCTION (If Applicable) 2018	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Mechanical Engineer Of Record: The pre-conditioned air system was designed to support the 16 gate international arrivals gates, and Phase 1x was specifically designed for the Jet Blue 6 gate expansion, with an overall project plan for the 120 gates. Mechanical and plumbing design for the Parking and rental car facilities; (2) 1,650-ton PCA plants. \$10 million / 3,000,000 sf			☒ Check if project performed with current firm		

12. NAME		13. ROLE IN THIS CONTRACT		14. YEARS EXPERIENCE	
Vince M. Rea, PE LEED AP BD+C, WELL AP		Electrical Engineer of record		a. TOTAL 41	b. WITH CURRENT FIRM 19
15. FIRM NAME AND LOCATION (City and State) TLC Engineering Solutions, Inc. – Tampa, Florida					
16. EDUCATION (Degree and Specialization) BS, Electrical Engineering			17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Professional Engineer: PE VI 0-50583-1B		
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Vince has over 40 years of experience in electrical design, construction, and management. His design experience includes complex 24/7 critical facilities and International Airports BNA, MSY, TPA, STT, and STX. Work includes interior and exterior lighting, building power distribution, fire alarm systems, emergency power supply systems, security systems, central energy plants, lightning protection, building system investigation and associated technical reports. Vince has been involved in all phases of design from concept development through construction documents, including project cost analysis, estimating, and construction administration. He is familiar with ANSI & Military standards, NEC, IBC, IEEE, and NFPA building and regulatory codes.					
19. RELEVANT PROJECTS					
a.	(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED		
	USVI Charlotte Kimelman Cancer Institute Renovation, St. Thomas, VI		PROFESSIONAL SERVICES 2025	CONSTRUCTION (If Applicable) 2025	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		☒ Check if project performed with current firm		
	Electrical Engineer Of Record: FEMA-funded renovation to repair major damages from Hurricanes Maria and Irma, providing radiation therapy and other advanced cancer treatment services.				
b.	(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED		
	Tampa International Airport Curbside Expansion Program and CEP, Tampa, Florida		PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If Applicable) Ongoing	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		☒ Check if project performed with current firm		
	Electrical Engineer QA/QC: Sixteen (16) Gate Airside Terminal Building and Guideway with three levels. Level 1 Ramp level with airline support, CBIS, shuttle maintenance Facility, restrooms, concessions support, and bus station. Level 2 Boarding level with 16 passenger boarding bridges and swing gates, TSA Security Screening Checkpoint, shuttle station, and hold rooms. And Level 3 Federal Inspection Services (FIS) Facility, sterile corridor airline clubs, and common use clubs. All levels include circulation space, restrooms, mechanical, and back-of-house spaces. \$787 million / 560,000 sf				
c.	(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED		
	Tampa International Airport Skycenter One Peer Review, Tampa, Florida		PROFESSIONAL SERVICES 2021	CONSTRUCTION (If Applicable) 2021	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		☒ Check if project performed with current firm		
	Electrical Peer Reviewer: SkyCenter One is a nine-story class A/A+ office building with a six-story connected garage. TLC provided a multi-phase peer review that included a review of all MEP and technology systems and their ability to support the proposed tenant upfit of floors 3-5 as well as a review of MEP and technology systems for common spaces on level 1 and for other tenant spaces on floors 1-2 and 6-9 in a single and multi-tenant configuration. \$24 million / 270,000 sf				
d.	(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED		
	Charlotte-Douglas Airport Joint operations Center, Charlotte, North Carolina		PROFESSIONAL SERVICES 2024	CONSTRUCTION (If Applicable)	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		☒ Check if project performed with current firm		
	Electrical Engineer: Design services for the Joint Operations Center project. Scope includes modifications to South Cargo 6 – Building 228, to establish the building and location as the permanent Joint Operations Center (JOC). It is intended for the JOC to be a multi-functional facility that accommodates Operations (AOC, AEOC, direct support spaces, and administrative offices) and potential support for CMPD, TSA, and K-9 teams. \$5 million / 15,000 sf				
e.	(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED		
	Louis Armstrong New Orleans International Airport Concessions, New Orleans, Louisiana		PROFESSIONAL SERVICES 2023	CONSTRUCTION (If Applicable) 2019	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		☒ Check if project performed with current firm		
	Principal in Charge: Build-out of 11 restaurants located within the new terminal, including three concourses, 35 gates and two parking garages. \$12 million / 24,000 sf				

12. NAME		13. ROLE IN THIS CONTRACT		14. YEARS EXPERIENCE	
Vince M. Rea, PE LEED AP BD+C, WELL AP		Electrical Engineer of record		a. TOTAL 41	b. WITH CURRENT FIRM 19
15. FIRM NAME AND LOCATION (City and State) TLC Engineering Solutions, Inc. – Tampa, Florida					
16. EDUCATION (Degree and Specialization) BS, Electrical Engineering			17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Professional Engineer: PE VI 0-50583-1B		
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Vince has over 40 years of experience in electrical design, construction, and management. His design experience includes complex 24/7 critical facilities and International Airports BNA, MSY, TPA, STT, and STX. Work includes interior and exterior lighting, building power distribution, fire alarm systems, emergency power supply systems, security systems, central energy plants, lightning protection, building system investigation and associated technical reports. Vince has been involved in all phases of design from concept development through construction documents, including project cost analysis, estimating, and construction administration. He is familiar with ANSI & Military standards, NEC, IBC, IEEE, and NFPA building and regulatory codes.					
19. RELEVANT PROJECTS					
a.	(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED		
	USVI Charlotte Kimelman Cancer Institute Renovation, St. Thomas, VI		PROFESSIONAL SERVICES 2025	CONSTRUCTION (If Applicable) 2025	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		☒ Check if project performed with current firm		
	Electrical Engineer Of Record: FEMA-funded renovation to repair major damages from Hurricanes Maria and Irma, providing radiation therapy and other advanced cancer treatment services.				
b.	(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED		
	Tampa International Airport Curbside Expansion Program and CEP, Tampa, Florida		PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If Applicable) Ongoing	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		☒ Check if project performed with current firm		
	Electrical Engineer QA/QC: Sixteen (16) Gate Airside Terminal Building and Guideway with three levels. Level 1 Ramp level with airline support, CBIS, shuttle maintenance Facility, restrooms, concessions support, and bus station. Level 2 Boarding level with 16 passenger boarding bridges and swing gates, TSA Security Screening Checkpoint, shuttle station, and hold rooms. And Level 3 Federal Inspection Services (FIS) Facility, sterile corridor airline clubs, and common use clubs. All levels include circulation space, restrooms, mechanical, and back-of-house spaces. \$787 million / 560,000 sf				
c.	(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED		
	Tampa International Airport Skycenter One Peer Review, Tampa, Florida		PROFESSIONAL SERVICES 2021	CONSTRUCTION (If Applicable) 2021	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		☒ Check if project performed with current firm		
	Electrical Peer Reviewer: SkyCenter One is a nine-story class A/A+ office building with a six-story connected garage. TLC provided a multi-phase peer review that included a review of all MEP and technology systems and their ability to support the proposed tenant upfit of floors 3-5 as well as a review of MEP and technology systems for common spaces on level 1 and for other tenant spaces on floors 1-2 and 6-9 in a single and multi-tenant configuration. \$24 million / 270,000 sf				
d.	(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED		
	Charlotte-Douglas Airport Joint operations Center, Charlotte, North Carolina		PROFESSIONAL SERVICES 2024	CONSTRUCTION (If Applicable)	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		☒ Check if project performed with current firm		
	Electrical Engineer: Design services for the Joint Operations Center project. Scope includes modifications to South Cargo 6 – Building 228, to establish the building and location as the permanent Joint Operations Center (JOC). It is intended for the JOC to be a multi-functional facility that accommodates Operations (AOC, AEOC, direct support spaces, and administrative offices) and potential support for CMPD, TSA, and K-9 teams. \$5 million / 15,000 sf				
e.	(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED		
	Louis Armstrong New Orleans International Airport Concessions, New Orleans, Louisiana		PROFESSIONAL SERVICES 2023	CONSTRUCTION (If Applicable) 2019	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		☒ Check if project performed with current firm		
	Principal in Charge: Build-out of 11 restaurants located within the new terminal, including three concourses, 35 gates and two parking garages. \$12 million / 24,000 sf				

Making Sustainability Happen

United States
At a Glance

30+

Offices Nationwide

20,000+

Projects Completed

38

Technical Services

550+

Consultants & Staff

SLR provides global environmental and advisory solutions from a network of offices in North America, Latin America, Europe, Asia-Pacific and Africa.

We deliver advice and support on a wide range of strategic and project-specific issues to a diverse and growing base of business, regulatory and government clients. We specialize in the built environment; industry; infrastructure; mining and minerals; energy; power and renewables sectors. We advise our clients on major projects with multi-disciplinary teams that work under the guidance of senior SLR professionals.

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Technology



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- Mining Advisory
- Energy Advisory
- Safety Advisory
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- Sustainable Waste Management



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- Civil & Structural Engineering
- Construction Services
- Geotechnical Engineering
- Land Surveying
- Mine Waste Engineering
- Process Engineering
- Transport Engineering
- Water Resource Engineering
- Water & Wastewater Engineering



Planning & Assessment

- Environmental & Social Impact Assessment
- Environmental Management Permitting & Compliance
- GIS & Information Services
- Transport Planning
- Landscape Architecture
- Planning
- Resiliency Planning



Environmental Sciences

- Acoustics & Vibration
- Air Quality
- Archaeology
- CFD, Wind & Energy
- Ecology & Biodiversity
- Hazardous Material Management
- Marine Science
- Occupational Hygiene



Earth Sciences

- Geology
- Hydrogeology
- Hydrology
- Land Quality & Remediation
- Risk Assessment & Toxicology
- Soil Science

SLR Locations / USA



Alaska
Anchorage
Fairbanks

Arizona
Mesa

California
Irvine
Sacramento
Walnut Creek

Colorado
Fort Collins
Lakewood

Connecticut
Cheshire
Glastonbury
New Haven

Indiana
Indianapolis

Maine
Portland

Massachusetts
Agawam
Boston
Northborough

New Hampshire
Bedford

New Jersey
Princeton

Nevada
Reno

New York*
New Paltz
New York City

Oklahoma
Oklahoma City

Oregon
Portland

Pennsylvania
Pittsburgh

Texas
Austin
Houston
New Braunfels
North Houston

Utah
Salt Lake City

Vermont
Waterbury

Washington
Seattle

West Virginia
Charleston

* All professional engineering, landscape architecture and land surveying services in New York are provided through SLR Engineering, Landscape Architecture and Land Surveying, P.C.

BIOIMPACT, INC.

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QUALIFICATION STATEMENT

Bioimpact, Inc. is a Virgin Islands corporation that has been licensed to do business in the USVI since 1986.

Bioimpact, Inc. is qualified to conduct and prepare both terrestrial and marine Environmental Assessment Reports required by the U.S. Virgin Islands Department of Planning and Natural Resources (DPNR), Division of Coastal Zone Management (CZM), and the U.S. Army Corps of Engineers (USACE).

Bioimpact, Inc. has wetland delineators certified by the National Wetland Science Training Cooperative to establish wetland jurisdictional limits for the USACE.

Bioimpact, Inc. is experienced in the creation and implementation of wetland mitigation programs.

Bioimpact, Inc. is experienced in developing and implementing marine water quality monitoring programs and long-term monitoring of the benthic environment.

Bioimpact, Inc. has water samplers and analysts certified by the DPNR Division of Environmental Protection (DEP).

Bioimpact, Inc. has successfully designed and implemented large scale coral and seagrass transplant programs.

Bioimpact, Inc. is experienced in cable landfall studies and the establishment of routes for undersea cables and monitoring of cable installations to minimize impact.

Bioimpact, Inc. is experienced in conducting endangered species surveys including corals listed under the Endangered Species Act (ESA) and terrestrial flora and fauna species surveys.

Bioimpact, Inc. is experienced in preparing Biological Assessments for the National Marine Fisheries Service (NMFS) and the U.S. Fish and Wildlife Service (FWS).

Bioimpact, Inc. is experienced in the transplant and monitoring of ESA-listed corals, as authorized under “Take Permits” from NMFS.

Bioimpact, Inc. is experienced in preparing Environmental Assessments for federal permitting and for federal issuance of a Finding of No Significant Impact (FONSI).

Bioimpact, Inc. is experienced in conducting Phase I Environmental Site Assessments as set forth in the ASTM International Standard Practice Designation E1527-21 and All Appropriate Inquires and Phase II Environmental Site Assessments as set for in ASTM E1903-11.

Bioimpact, Inc. is experienced in the development and implementation of sampling plans to detect and delineation hazardous materials and petroleum products.

Bioimpact, Inc. is experienced in conducting deep water remotely operated vehicle (ROV) surveys up to 1,250 feet and has all the necessary equipment to undertake these studies.

Bioimpact, Inc. has conducted environmental studies in the U.S. Virgin Islands, Puerto Rico, British Virgin Islands, as well as other parts of the Caribbean and in the Florida Keys.

PARTIAL JOB LIST
Updated March 31, 2022

MONITORING LARGE SCALE PROGRAMS

- 2021 – Present** Watershed and Stormwater Sampling on St. Croix and St. Thomas as a Subcontractor to Watershed Consulting Associates LLC.
- 2021 – Present** Development and Implementation of a Water Quality and Environmental Monitoring Plan for Construction of a Private Dock in Chocolate Hole, St. John.
- 2021 – Present** Development and Implementation of a Water Quality Monitoring Plan for the Reconstruction of the Marriott Frenchman’s Reef Dock and Minor Dredging.
- 2020 – Present** Monitoring for the Virgin Islands Tree Boa at the Donoe Housing Redevelopment Site.
- 2019 – Present** Development and Implementation of the Water Quality and Environmental Monitoring Plan for the Installation of a Single Point Mooring at Limetree Marine Terminals, St. Croix.
- 2013 – Present** U.S. Virgin Islands Ambient Water Quality Monitoring Program, Sampling for St. Croix.
- 2018 – 2021** Development and Implementation of the Water Quality and Environmental Monitoring Plan for the Construction of the Veterans Drive Project on St. Thomas for the U.S. Virgin Islands Department of Public Works (VIDPW).
- 2016** Development and Implementation of the Water Quality Monitoring Plan for the West Indian Company Limited (WICO) Emergency Bulkhead Replacement on St. Thomas.
- 2014 – 2018** Development and Implementation of the Environmental Monitoring Plans for the Conversion of U.S. Virgin Islands Water and Power Authority (VIWAPA) to Liquid Petroleum Gas (LPG) for Vitol on St. Croix and St. Thomas.
- 2014 – 2018** Development and Implementation of the Environmental Monitoring Plans for the Creation of a Dolphin Exhibit at Coral World (VI), Inc. on St. Thomas.
- 2013 – 2018** Development and Implementation of the Water Quality and Environmental Monitoring Related to the Dredging of the Crown Bay Marine Terminal and Turning Basin on St. Thomas.
- 2013 – Present** Development and Implementation of the Monitoring Plans for the VIDPW’s Improvements to Veterans Drive on St. Thomas.

- 2013 – 2018** Development and Implementation of the Monitoring Plans for the U.S. Virgin Islands Port Authority's (VIPA) Maintenance Dredging of Crown Bay Marina on St. Thomas.
- 2013 – 2018** Development and Implementation of Monitoring Plans for the Westin Resort's Dock Permit and Improvements of Stormwater Drainage on St. John.
- 2013 – 2015** Implementation and Monitoring of a Wetland Created as Mitigation for the Development of the U.S. Virgin Islands Waste Management Authority's (VIWMA) Transfer Station on St. Croix.
- 2012 – 2018** Development and Implementation of the Monitoring Plans for the Virgin Islands Next Generation Network's (viNGN) Fiber Optic Cable System in the USVI.
- 2011 – 2019** Development and Implementation of a Water Quality and Environmental Monitoring Plan to Assess Impacts of an Increase in Discharge from the Marriott Frenchman's Reef Hotel on St. Thomas.
- 2010 – 2012** Development of the Water Quality and Environmental Monitoring Program for the Development of Thatch Cay with a Special Emphasis on ESA-listed Corals.
- 2009 – 2015** Environmental Monitoring for the Development of Oil Nut Bay and the Yacht Club Costa Smeralda (YCCS) for Victor International on Virgin Gorda, British Virgin Islands (BVI).
- 2009 – 2010** Development and Implementation of a Water Quality Monitoring Plan for the Construction of the Dock at Frenchman's Cove for Marriott Vacation Club, Inc on St. Thomas.
- 2009** Establishment of the Baseline for the Dredging of Charlotte Amalie Harbor and Entrance Channel, and the and the Disposal of Dredged Materials in the Historic Dredging Hole in Lindbergh Bay, St. Thomas for WICO.
- 2008 – 2009** Environmental Monitoring of the Development of Scrub Island in the BVI for Mainsail Lodging and Development.
- 2007 – 2010** Water Quality Monitoring for the Development of the Calabash Boom Affordable Housing Complex for Reliance Housing in Estate Calabash Boom on St. John.
- 2007 – 2009** Water Quality and Environmental Monitoring for Flamboyant Real Estate of a Subdivision of Seventy-seven Acres in Hansen Bay, St. John.
- 2006 – 2008** Water Quality Monitoring for the Dredging of a Sand Channel in St. Croix for VIWAPA.

- 2006 – 2007** Water Quality Monitoring for the Renovations of the Ritz-Carlton Hotel on St. Thomas for the Ritz-Carlton.
- 2006 – 2010** Environmental Monitoring for the Placement of Undersea Cables at the Global Crossing Cable Station in St. Croix for Global Crossing Network, Alcatel, and Tyco Electronics Subsea Communications (now SubCom).
- 2005 – 2007** Water Quality Monitoring for the Dredging of Crown Bay, St. Thomas for VIPA.
- 2005 – 2006** Water Quality and Environmental Monitoring for Improvements to the Redhook Marine Terminal for VIPA.
- 2004 – 2011** Water Quality and Environmental Monitoring for the Construction of the Pond Bay Resort for First American Development Group on St. John.
- 2004** Benthic Habitat Survey of Crown Bay and Gregerie Channel to Supplement the USACE Feasibility Report for VIPA.
- 2003 – 2006** Water Quality Monitoring for the Construction of the Enighed Pond Marine Terminal on St. John for VIPA.
- 2003 – 2004** Water Quality Monitoring for the Development of the Crown Bay Marine Terminal on St. Thomas for VIPA.
- 2002 – 2008** Water Quality and Environmental Monitoring for the Development of Marine Amenities on the Island of Lovango for the Joseph Markus Trust.
- 2002 – 2005** Water Quality Monitoring for the Improvements to the Gallows Bay Marine Terminal on St. Croix for VIPA.
- 2001 – 2008** Coral Transplant Monitoring for the Enighed Pond Marine Terminal on St. John for VIPA.
- 2001 – 2006** Coral Transplant Monitoring for the Mangrove Lagoon Sewage Treatment Plant Outfall on St. Thomas for VIDPW.
- 2001 – 2002** Water Quality Monitoring for Improvements to the Tropical Shipping Dock in Crown Bay, St. Thomas for Meisner Marine.
- 2000 – 2006** Seagrass Transplant Monitoring of the Seagrass Transplanted for the Dredging of Charlotte Amalie Harbor on St. Thomas for VIPA.
- 2000 – 2003** Water Quality Monitoring for the Dredging of Charlotte Amalie Harbor on St. Thomas for VIPA.

- 1999 – 2006** Water Quality Monitoring for Repairs to the Frederiksted Pier on St. Croix for VIPA.
- 1999 – 2002** Water Quality Monitoring for the Construction of Cable Stations at Estate Northside on St. Croix for Global Crossings.
- 1997 – 2005** Development of a Water Quality Monitoring Program for the Construction of the Christiansted Boardwalk on St. Croix Prepared for the Government of the U.S. Virgin Islands.
- 1997 – 2005** Wetland Monitoring of the Tren Urbano, Puerto Rico (PR) 5 and PR 22 Mitigation Sites under Subcontract to Nutter & Associates, Inc. for the Puerto Rico Highway Authority.
- 1997 – 2002** Wetland Monitoring of the Airport Mitigation Site at the Henry E. Rohlsen Airport on St. Croix for VIPA.
- 1997 – 2002** Wetland Monitoring for the Fairplains Mitigation Site at the Henry E. Rohlsen Airport on St. Croix for VIPA.
- 1996 – 1998** Water Quality Monitoring for the Expansion of the Molasses Pier at the Third Port on St. Croix for the VIPA.
- 1996** Development and Implementation of a Water Quality Monitoring Program for the Expansion of, and Improvements to, the Redhook Marine Terminal on St. Thomas for VIPA.
- 1996** Development and Implementation of a Water Quality Monitoring Program for the Creation of the Enighed Pond Marine Terminal on St. John Prepared for the Maguire Group, Inc. and VIPA.
- 1995** Water Quality Monitoring for the Construction of the AT&T Cable Landing Facility in Estate Northside, St. Croix for AT&T Submarine Systems.
- 1992 – 1994** Development and Implementation of a Water Quality Monitoring Program for the Reconstruction of the Frederiksted Pier on St. Croix for VIPA.
- 1992 – 1993** Conducted a Baseline Assessment and Developed a Long-term Monitoring Plan for VIWAPA of the Benthic Community Potentially Impacted the Outfall from the Richmond Power Plant on St. Croix
- 1992 – 1993** Development and Implementation of a Monitoring Plan to Study Algal Blooms within the Alumina Cooling Pond Discharge and Strategies to Alleviate Runoff for V.I. Alumina Corporation LLC (VIALCO) on St. Croix.

1990 – 1992 Water Quality Monitoring for Dredging Christiansted Harbor on St. Croix for VIPA.

1989 Development and Implementation of a Turtle Monitoring Program for Manchineel Beach on St. Croix.

LARGE SCALE MITIGATION PROGRAMS

- 2021 – Present** Removal and Relocation of 209 Corals for the U.S. Coast Guard Aids to Navigation (ATON) Replacement Project on St. Croix and Routine Monitoring of a Subset of Corals.
- 2020 – Present** Development and Implementation of the Compensatory Mitigation Plan for the Transplant of 1,700 corals, the Repair of 500 Corals of Opportunity, and the Outplanting of 3,000 ESA-listed corals for Limetree Bay Terminal’s Single Point Mooring on St. Croix.
- 2018 – Present** Development and Implementation of a Compensatory Mitigation Plan for the Relocation of 1.25 Acres of Seagrass and 631 Corals from the Impact Footprint of the Veterans Drive Project on St. Thomas, and the Repair of Damaged Corals on Triangle Reef for VIDPW.
- 2016 – 2020** Development and Implementation of a 190-Coral Transplant for the Stabilization of the Seawater Intake Line for the Marriott Frenchman’s Reef Hotel on St. Thomas.
- 2016 – 2020** Development and Implementation of a Coral Transplant to Minimize the Impacts of Construction for LPG Improvements at VIWAPA Facilities on St. Croix and St. Thomas.
- 2015 – 2021** Development and Implementation of the Mitigation Plan for the Relocation of 10,000 Corals Off the WICO Bulkhead in Havensight for WICO on St. Thomas.
- 2014 – Present** Development and Implementation of a Coral and Seagrass Transplant for Coral World (VI), Inc. in Association with the Development of the Dolphin Exhibit on St. Thomas; 250 Corals were Transplanted and More Than 500 Corals were Repaired after the 2017 North Atlantic Hurricane Season.
- 2014 – 2019** Development and Implementation of the Mitigation Plans for VIPA’s Maintenance Dredging of Crown Bay Marina on St. Thomas.
- 2013 – 2018** Development and Implementation of the Mitigation Plans for the Westin Resort’s Dock Permit and Improvements of Stormwater Drainage on St. John.
- 2013 – 2015** Creation of a Herbaceous Wetland for VIWMA as Mitigation for the Construction of the Transfer Station at the Anguilla Landfill on St. Croix.
- 2009** Transplantation of 300 Corals for Victor International Coral for Impacts Associated with the Development of an Access Ramp and Dock at Oil Nut Bay in the BVI.

- 2008 – 2009** Transplantation of 3,000 Corals for Mainsail Lodging and Development for Impacts Associated with the Development of the Scrub Island Resort in the BVI.
- 2006 – 2011** Planting of 1 Acre of Mangrove Wetland for VIDPW as Mitigation for the Construction of the Mangrove Lagoon Sewage Treatment Plant on St. Thomas.
- 2003 – 2008** Planting of 2.8 Acres of Mangrove Wetland for VIPA as Compensatory Mitigation for the construction of the Enighed Pond Terminal on St. John.
- 2003 – 2008** Removal and Relocation of 3,000 Corals Outside the Area of Impact for the Development of the Crown Bay Marine Terminal on St. Thomas for VIPA.
- 2002 – 2007** Development and Implementation of the Mitigation Plans for VIPA's Dredging of Crown Bay Marine Terminal and Turning Basin on St. Thomas.
- 2002 – 2007** Transplantation of 50,000 Corals for VIPA Outside the Area of Impact for the Enighed Pond Marine Terminal Project on St. John.
- 2002** Creation of Artificial Coral Reefs and *Acropora spp.* Thickets for Joseph Markus Trust as Mitigation for the Construction of a Barge Landing Facility on the Island of Lovango.
- 2000 – 2005** Transplantation of 2 Acres of Seagrass for VIPA to an Area Outside the Dredging Footprint of the Charlotte Amalie Harbor on St. Thomas.
- 2000 – 2001** Transplantation of 7,000 Corals for VIDPW Outside of the Area of Impact for the Placement of the Mangrove Lagoon Sewage Treatment Plant Outfall on St. Thomas.
- 1999 – 2004** Transplantation of 300 Corals for VIPA Outside the Area of Impact for the Mooring Improvements to the Frederiksted Pier on St. Croix.
- 1997 – 2003** Planting of ½ Acres of Mangroves for VIPA/VIDPW as a Mitigation Project for the Construction of the Molasses Dock Road on St. Croix.
- 1997 – 2002** Creation of a 1-Acre Herbaceous Wetland for VIPA as Mitigation for Henry E. Rohlsen Airport Construction on St. Croix.
- 1997 – 2002** Development of a Mitigation Plan for VIPA for the Creation of a 16,000-square Foot Wetland at Manning Bay to Address the Impact Incurred in Fairplains Gut on St. Croix.
- 1996** Development of a Mitigation Plan for VIPA for the Creation of 4.1 Acres of Wetland as Mitigation of the South Shore Power Plant, Third Port on St. Croix.

1994 Development of a Mitigation Plan for Green Cay Resort for the 12 Acres of Wetland Impacted by the Construction of the Resort on St. Croix.

ENVIRONMENTAL PLANNING AND STUDIES

A Foundational Blueprint For The Development Of A Comprehensive Pelagic Sargassum Management Plan For The United States Virgin Islands. The U.S. Virgin Islands Department of Planning and Natural Resources Division of Coastal Zone Management. (2023)

Ecosystem Risk Assessment Framework for the Caribbean Marine Fisheries Management Council (in progress).

ENVIRONMENTAL ASSESSMENT REPORTS 2020– PRESENT

Water quality, monitoring and/or compensatory mitigation plans were developed to supplement most of the environmental assessment reports listed.

Water Island Development, Water Island Development Corporation, Environmental Assessment Report for the Development of a Resort and Marina, Water Island

Villa Olga Shoreline Revetment, Olga’s Fancy, Environmental Assessment Report for the Restoration and Revetment of the Shoreline, St. Thomas

Expansion of Yacht Haven Grande Marina, IGY, Environmental Assessment Report for the Expansion of the Existing Yacht Haven Grande Marina, St. Thomas

Sapphire Bay Marina Dredging and Installation of Sargassum Barriers and Shoreline Revetment, SBMCOA, LLC, Environmental Assessment Report for Dredging of the Marina, Revetment of the Shoreline, and Installation of Sargassum Barriers, St. Thomas

Ritz-Carlton Shoreline Preservation Plan, Ritz-Carlton Club, Assessment Report for the Installation of Sargassum Barriers and Geotubes, St. Thomas

St. Croix Yacht Club, St. Croix Yacht Club, Environmental Assessment Report to Permit the Existing Facility and to Allow for Repair and Maintenance, St. Croix

Container Port, Golden Grove and Midland Road Underground Projects, V.I. Water and Power Authority, Environmental Assessment Report for the Installation of Underground Power Systems to Improve Resiliency, St. Croix.

Flamingo Bay Eco-Resort, BBK Development, Environmental Assessment Report for the Development of the Small Eco-Resort, Water Island.

Pearl Landfill and Recycling Facility, V.I. Waste Management Authority, Environmental

Assessment Report for the Development of a Solid Waste Facility in Estate Pearl, St. Croix.

Charlotte Amalie Harbor Dredging, V.I. Port Authority, Environmental Assessment Report and HUD Environmental Assessment for the Dredging of the Charlotte Amalie Harbor Channel, Turning Basin, and WICO Inner Berth, St. Thomas.

Crown Bay and East Gregory Channel Dredging, V.I. Port Authority, Environmental Assessment Report and HUD Environmental Assessment for the Dredging of Portions of Crown Bay and East Gregory Channel, St. Thomas.

Frenchman's Reef and Morningstar, Beach Enhancement and Shoreline Stabilization, CREF3 (Formerly Diamond Rock), Environmental Assessment Report for the Revetement of the Shoreline, the Installation of Offshore Breakwaters and Sand Renourishment, St. Thomas.

Emergency Response Dock and Shoreline Revetment at the Harley Plant, V.I. Water and Power Authority, Environmental Assessment Report for the Construction of an Emergency Fuel Spill Response Dock and the Revetment of the Eroded Shoreline, St. Thomas.

Consolidated Permit for Randolph E. Harley Power Plant, V.I. Water and Power Authority, Environmental Assessment Report to Bring All Components into Compliance including those Pre-dating CZM, St. Thomas.

Underwater Memorial Park, Virgin Islands Underwater Memorial Park, Environmental Assessment Report for the Creation of an Underwater Park to Intern Ashes into Reef Building Structures, St. Thomas.

Mooring and Operation of a Bar and Restaurant in the Pillsbury Sound, Cowgirl BeboP, LLP, Environmental Assessment Report for the Installation of Moorings for Vessels and Patrons in the Pillsbury Sound, St. John.

Cruz Bay Underground, V.I. Water and Power Authority, Environmental Assessment Report for the Installation of an Underground Power Cable System in Cruz Bay Feeder 7E, St. John.

Tropical Marine Expansion, Tropical Marine, Environmental Assessment Report to Combine Docks at Mangrove Marine and Off Plot 28 and the Expansion of the Existing Dock, St. Thomas.

Limetree Resort, Wyndham Bluebeard's Beach Club, Environmental Assessment Report for the Renovation and Expansion of the Existing Limetree Resort, St. Thomas.

Repair to Cruz Bay Visitor Center, Docks, and Surrounding Grounds Impacted by Hurricanes Irma and Maria, Croft Engineering/National Park Service, Environmental Assessment Report for Dredging the Basin and Repairs to the Bulkhead and Renovation and Upgrades to the Existing Visitor Center, St. John.

Latitude 18 Marina, Jack Rock EA-C LLC, Environmental Assessment Report for the Development of a Marina and Management of a Mooring Field and Dry Storage for Vessels, St. Thomas.

Green Cay Marina, St. Croix Financial Center, Environmental Assessment Report for the Expansion of the Existing Marina, Maintenance Dredging, and Beach and Shoreline Improvements, St. Croix.

King Christian Dock, USVI Opportunity Fund LLC, Environmental Assessment Report for the Reconstruction and Expansion of a Hurricane-Damaged Dock, St. Croix.

Renovations and Expansion of an Existing Dock, Inter-Island Ferry Service, Environmental Assessment Report for the Expansion and Extension of an Existing Dock to Better Accommodate Vessel Dockage, St. Thomas.

Repair of a Hurricane Damaged Dock, Margaritaville, Environmental Assessment Report for the Reconstruction of the Damaged Dock (modified to include a reverse osmosis line extension), St. Thomas.

Boat Building Facility and Dock, Gold Coast Yacht, Inc., Environmental Assessment Report for a Boat Building Warehouse and a Launch and Outfitting Dock, St. Croix.

Turquoise Bay Resort, VIPM LLC, Environmental Assessment Report for a Glamping Resort and Restaurant, St. Croix.

Christiansted National Historic Site Existing Wharf Replacement, HDR, Inc. and National Park Service, Environmental Assessment Report for the Replacement of the Failing Sheet Pile Wall and Bulkhead (and Acoustic Monitoring Plans), St. Croix.

Lovango Cay Beach Club and Resort, Lovango Island Holdings LLP, Environmental Assessment Report to Permit the Development of a Beach Club and Resort and Mooring Installation, Lovango Island.

Wave Attenuation System, LSJ LLC, Environmental Assessment Report for the Installation of Wave Attenuation Systems, Little St. James.

Installation of Access Docks, and Barge Landing Facility, Great St. James, Great St. Jim LLC. Environmental Assessment Report for the Development of a New Dock, the Renovation of an Existing Dock, and the Construction of a Barge Landing, Great St. James.

Installation of a Single Point Mooring at the Limetree Bay Terminal on St. Croix, Limetree Bay Terminals LLC, Environmental Assessment Report for the Installation of an Undersea Pipeline, Pipeline End Manifold (PLEM), and Buoy System at a Depth of 650 Feet, St. Croix.

St. Croix Sports Complex, Coastal Systems, Environmental Assessment Report for the Construction of the Paul. E. Joseph Stadium, Wetland Delineations, and Endangered Terrestrial and Marine Species Assessments (and Development of a Sea Turtle Lighting Mitigation Plan), St. Croix.

Installation of a Submarine Cable System, V.I. Water and Power Authority, Environmental Assessment Report for Submarine Cable Routing and Beach Landfall, St. Thomas.

Maintenance Dredging of Krause Lagoon Channel, V.I. Port Authority, Environmental Assessment Report for the Dredging of the Cross-Channel into the Container Port and Molasses Dock, St. Croix.

Installation of New Reverse Osmosis Discharge and Intake Line, Westin Resort, Environmental Assessment Report for the Installation of a Saltwater Intake Line Over 2000 Feet Offshore, St. John.

Shoreline Stabilization Project for Buccaneer Hotel, The Buccaneer, Environmental Assessment Report for the Placement of a Shoreline Stabilization Structure to Protect the Eroding Shoreline, St. Croix.

VIWAPA's Conversion to LPG, VITOL and V.I. Water and Power Authority, Environmental Assessment Report for the Installation of LPG conversion Equipment and Fuel Dock Expansion (and Offshore Deep-Water Buoy Permit for LPG Ships), St. Croix and St. Thomas.

ENVIRONMENTAL ASSESSMENT REPORTS

2014 – 2019

Water quality, monitoring and/or compensatory mitigation plans were developed to supplement many of the environmental assessment reports listed.

viNGN Submarine Cable Network, Alcatel-Lucent for viNGN, Environmental Assessment Report for the Installation of an Inter-Island Cable System (including a Cable Beach Routing and Landfall Study), U.S. Virgin Islands.

Improvements to the Frederiksted Pier, V.I. Port Authority, Environmental Assessment Report for the Installation of a New Tender Landing, St. Croix.

Improvements to the Red Hook Marine Terminal, V.I. Port Authority, Environmental Assessment Report for the Construction of a New Customs Building and Shoreline Improvements, St. Thomas.

Offshore Windmills, Ocean Energy, Inc., Environmental Assessment Report for the Installation of Offshore Turbines, a Submarine Cable, and Cable Landing (including a Bird Study), St.

Thomas.

St. John Marina, Summers End Group, Environmental Assessment Report for the Development of a Marina and Associated Upland Facilities, St. John.

Maintenance Dredging of the Schooner Channel, V.I. Port Authority and HUD/V.I. Housing and Finance Authority (VIHFA), Environmental Assessment Report for the Dredging of the Schooner Channel (including an Evaluation of Alternative Alignments), St. Croix.

Remediation of Hydrocarbon Contamination at the V.I. Seaplane Ramp, V.I. Port Authority, Environmental Assessment Report for the Installation of Restorative Sheet Piles to Restore (and the Containment of Hydrocarbon-contaminated Soil from a Leaking Underground Storage Tank [LUST]), St. Croix.

Maintenance of the Existing Bulkhead and Maintenance Dredging of Charlotte Amalie Harbor, CH2M Hill and WICO, Environmental Assessment Report for the Replacement of the Sheet Pile in the Inner Berth (including the Development of a Coral Transplant Mitigation Plan), St. Thomas.

ENVIRONMENTAL ASSESSMENT REPORTS 2009 – 2013

Water quality, monitoring and/or compensatory mitigation plans were developed to supplement each of the environmental assessment reports listed.

Dredging of Crown Bay Marine Terminal and Turning Basin, V.I. Port Authority, Environmental Assessment Report for the Dredging of the Crown Bay Marine Terminal and Basin, St. Thomas.

Maintenance Dredging of Crown Bay Marina, V.I. Port Authority, Environmental Assessment Report for the Dredging of Crown Bay Marina (including a Seagrass and Coral Mitigation Plan), St. Thomas.

Improvements to Bordeaux Road, V.I. Department of Public Works and Federal Highway Administration in Collaboration with Parsons Brinkerhoff, Environmental Assessment Report for a Finding of No Significant Impact, St. Thomas.

Improvement to Spring Gut Road, V.I. Department of Public Works and Federal Highways Administration in Collaboration with Stanley Engineer, Environmental Assessment Report for Improvements to Spring Gut Road for a Finding of No Significant Impact, St. Croix.

Coral World's Dolphin Exhibit, Coral World (VI), Inc., Environmental Assessment Report for the Construction of an Offshore Dolphin Pen and Viewing Dock (and ESA Corals Monitoring

and Mitigation Plan), St. Thomas.

Expansion of the Spratt Bay Homeowners Dock (SBHOA), Spratt Bay Homeowner's Association, Environment Assessment Report for the Expansion of the SBHOA Dock, Water Island.

Expansion of Veterans Drive, V.I. Department of Public Works and Federal Highway Administration in Collaboration with Parsons Brinckerhoff, Environmental Assessment Report for a Finding of No Significant Impact and Drafting the USACE Statement of Findings, St. Thomas.

Chiller Cooling System, BaHaMar and HDR, Inc., Environmental Assessment Report for the Placement of a Saltwater Intake Line at the BaHaMar Resort, Grand Bahama.

Reverse Osmosis Facility, V.I. Water and Power Authority, Environmental Assessment Report for the Installation a New Reverse Osmosis Facility at the St. Thomas Power Plant, St. Thomas.

Submarine Power Cable, V.I. Water and Power Authority, Environmental Assessment Report for the Installation of a Submarine Power Cable between the Islands of St. Thomas and St. John, Pillsbury Sound, St. Thomas and St. John.

Chiller System and Dock Repairs at the Marriott Frenchman's Reef, Diamond Rock, Environmental Assessment Report for the Installation of Saltwater Intake Line and Dock Repairs (and Larval Study for Intake), St. Thomas.

Expansion of Heavy Materials Krum Bay Facility, Heavy Materials St. Thomas, Environmental Assessment Report for the Expansion of Heavy Materials Concrete Facility in Krum Bay, St. Thomas.

Thirty-three-Megawatt Waste-to-Energy Plant, Alpine Energy Group, Inc., Environmental Assessment Report for the Construction of a 33-Megawatt Waste-to-Energy Plant (including Conducting a Survey of Endangered V.I. Tree Boas in the Area), St. Thomas.

Eighteen-Megawatt Waste-to-Energy Plant, Alpine Energy Group, Inc., Environmental Assessment Report for the Construction of an 18-Megawatt Waste-to-Energy Plans (including a Wetland Delineation), St. Croix.

Reverse Osmosis Facility on St. John, V.I. Water and Power Authority, Environmental Assessment Report for the Construction of a Reverse Osmosis Facility, St. John.

Seven Hills Development, Robin Bay Partners, Environmental Assessment Report for the Development of Seven Hills Residential Community (including a Wetland Delineation), St. Croix.

Improvements to the Molasses Dock, V.I. Port Authority, Environmental Assessment Report for Dredging and Improvements to the Molasses Dock Roll-on Roll-off Facility (and Mitigation Plan for the Mangrove Shoreline), St. Croix.

Dredging of the Charlotte Amalie Harbor Channel and the Filling of Lindbergh Bay, The West Indian Company Limited, Environmental Assessment Report for the Dredging and Widening of the Charlotte Amalie Harbor to Accommodate Oasis Class Ships at WICO Docks and the Disposal of Dredged Materials in the Historic Dredging Hole in Lindbergh Bay, St. Thomas.

Fueling Station, V.I. Water and Power Authority, Environmental Assessment Report for the Installation of a Vehicle Fueling Station in the Richmond Plant Terminal Facility License, St. Croix.

ENVIRONMENTAL ASSESSMENT REPORTS

2005 – 2008

Water quality, monitoring and/or compensatory mitigation plans were developed to supplement each of the environmental assessment reports listed.

Port of Mandahl, MSJ Realty, Environmental Assessment Report for the Development of the Marina and Resort in Estate Mandahl, St. Thomas.

North Sound Yacht Club, Victor International, Environmental Assessment Report for the Development of a Marina and Yacht Club in North South, Virgin Gorda, BVI.

Reconstruction of the Frenchman's Cove Dock, Marriott Vacation Club, Environmental Assessment Report for the Reconstruction and Expansion of a Damaged Dock in Charlotte Amalie Harbor, St. Thomas.

Thatch Cay Development, Thatch Cay LLC, Environmental Assessment Report for the Development of a Resort Community and Marine Infrastructure on Thatch Cay, St. Thomas.

Smith Bay Development, Smith Bay Developers, Inc., Environmental Assessment Report for a Condominium Complex, St. Thomas.

Subdivision of Great St. James, Christian Kejer, Environmental Assessment Report for The Development of a Residential Community on Great St. James including Marine Access Infrastructure, Great St. James Island, St. Thomas.

Subdivision of Inner Brass, Green Island Developers, Environmental Assessment Report for the Development of a Residential Community on Inner Brass including Marine Access

Infrastructure, Inner Brass Island, St. Thomas.

Subdivision of Inner Brass, Bryan Family, Environmental Assessment Report for the Subdivision of Lots for a Residential Community on Inner Brass and the Development of a Dock for Access. Inner Brass Island, St. Thomas.

Cabrita Point, Cabrita Point Partners and Lionstone LLC, Environmental Assessment Report for the Development of a Resort Community, a Mitigation and Monitoring Plan for the Endangered V.I. Tree Boa and a Monitoring Plan for a Reverse Osmosis Intake Line, Dock and Swimming Platform, St. Thomas.

Subdivision of 77 Acres in Hansen Bay, St. John Flamboyant Realty, Environmental Assessment Report for the Development of Roads and a Subdivision in Hansen Bay, St. John.

Subdivision of 14 Acres in Hansen Bay, St. John Hansen Bay Development Group, Environmental Assessment Report for the Development of Roads, and a Subdivision in Hansen Bay (including a Wetland Delineation), St. John.

Expansions and Improvements to the Ritz-Carlton Hotel, William Karr and Associates, Environmental Assessment Report for the Expansion and Renovation of the Ritz-Carlton Hotel, St. Thomas.

Modification to Carden Beach Condominiums, TK Properties, Inc., Environmental Assessment Report for the Development of Zero Lot Line Homes at the Carden Beach Property, St. Croix.

Development of Betty's Hope, V.I. Port Authority, Environmental Assessment Report and Wetland Delineations for the Development of the South Shore Property for Commercial and/or Residential Use, St. Croix.

Expansion of the Compass Point Marina, Margate Management, Environmental Assessment Report for the Addition of Docks at the Compass Point Marina in Benner Bay, St. Thomas.

Improvements, Expansions and Maintenance of HOVENSA Petroleum Refinery, HOVENSA LLC, Environmental Assessment Reports for the 1) Construction of Maintenance Buildings and Replacement of Existing Stacks, 2) Construction of a Low Sulfur Fuels (LSF) Facility, 3) Construction of Modular Buildings, and 4) Construction of Housing in Estate Blessing (including Permitting of an Existing Borrow Pit), St. Croix.

Installation of a Permanent Barge Landing Facility on Lovango Cay, Joseph Markus Trust, Environmental Assessment Report for the Development of a Permanent Barge Landing Facility (including a Compensatory Mitigation Plan for Endangered Coral Species), Lovango Cay.

Barge Landing, Swim Dock and Beach Enhancement on Little St. James, LSJ LLC, Environmental Assessment Report for the Relocation of the Existing Barge Landing and the

Construction of a Swim Dock and Beach Enhancing Devices, Little St. James.

Development of Affordable Housing in Calabash Boom, Reliance Housing, Environmental Assessment Report for the Development of Affordable Housing in Calabash Boom (and Territorial Pollutant Discharge Elimination System [TPDES] Permits), St. John.

Demineralized Water System and Storage Tank Upgrades, V.I. Water and Power Authority, Environmental Assessment Report for the Installation of a New Storage Tank and Demineralizer, St. Croix.

Development of a Pizza Bar and Miniature Golf Course, Divi Carina Bay Resort, Environmental Assessment Report for the Development of Amenities at the Divi Carina Bay Resort and Casino, St. Croix.

Placement of Fuel Pipelines on the Ann E. Abramson Pier, Royal Caribbean Cruise Lines, V.I. Port Authority, Environmental Assessment Report for the Installation of Fuel Lines on the Frederiksted Pier, St. Croix.

Development of a Marina and Related Infrastructure, Coral Bay Marina LLC, Environmental Assessment Report for the Dredging and Development of a Marina in Coral Bay (including an Alternative Analysis to Reduce Impacts for the USACE), St. John

Development of a Marine Mammal Encountered Facility, Coral World (VI), Inc., Environmental Assessment Report for the Development of a Sealion Encounter Facility, St. Thomas.

Improvements to The Randall “Doc” James Racetrack, TRAXCO, Environmental Assessment Report for Improvements to the “Doc” James Racetrack Facility (including Wetland Delineations), St. Croix.

Maintenance Dredging and the Permitting of Permanent Moorings, Westin Resort, Environmental Assessment Report for Maintenance Dredging of the Existing Channel and around the Dock, and Mooring Installations, St. John.

ENVIRONMENTAL ASSESSMENT REPORTS

2000 – 2004

Water quality, monitoring and/or compensatory mitigation plans were developed to supplement each of the environmental assessment reports listed.

Compass Point Marina Expansion, Compass Point Marina in Collaboration with Springline Architects, Environmental Assessment Report for the Expansion of the Existing Compass Point Marina, St. Thomas.

Emergency Electrical Cable St. Thomas-St. John, V.I. Water and Power Authority, Environmental Assessment Report for the Placement of a New Submarine Power Cable between St. Thomas and St. John, St. Thomas.

Richmond Sand Channel Dredging, V.I. Water and Power Authority, Environmental Assessment Report for Maintenance Dredging of the Richmond Sand Channel, St. Croix.

Hassel Island Electrical Cable Replacement, V.I. Water and Power Authority Environmental Assessment Report for the Installation of a New Submarine Cable between St. Thomas and Hassel Island, St. Thomas.

Golden Resorts Golf Resort, Casino & Conference Center, Golden Resort, Environmental Assessment Report for the Development of Golden Resorts Golf Resort, Casino, and Conference Center (including a Wetland Delineation), St. Croix.

Crown Bay Marine Terminal Improvements, V.I. Port Authority in Collaboration with Adams, Inc., Environmental Assessment Report for Improvements to the Crown Bay Marine Terminal, St. Thomas.

Global Crossings Point of Presence, Global Crossings, Environmental Assessment Report for the Placement of a Point of Presence Communications Tower in Frederiksted, St. Croix.

Burial of Fiber Optic Cables, Innovative Telephone, Environmental Assessment Report for the Burial of Fiber Optic Cables on the North Shore, St. Croix.

Burial of Fiber Optic Cables on the West End of St. Croix, Innovative Telephone, Environmental Assessment Report for the Burial of Fiber Optic Cables on the West End, St. Croix.

Callaloo Club Blowing Point, Callaloo Club Peninsula, Environmental Assessment for the Development of a Marina on the Island of Anguilla, British West Indies.

Installation of a Waterline between St. Thomas and St. John, V.I. Water and Power Authority, Environmental Assessment Report for the Installation of a Waterline between St. Thomas and St. John, St. Thomas.

Installation of a Submarine Cable to Little St. James, V.I. Water and Power Authority, Environmental Assessment Report for the Installation of a Utility Line between St. Thomas and Little St. James, Little St. James.

South American Crossing Cable Station, Global Crossing, Environmental Assessment Report for the Construction of the South American Crossing Cable Station at Estate Northside, St. Croix.

Water Island Ferry Dock, V.I. Department of Public Works, Environmental Assessment Report

for the Construction of a Ferry Dock on Water Island, Water Island.

CuisinArt Golf Resort & Spa Beach Enhancements, CuisinArt, Environmental Impact Assessment Report for Beach Renourishment, Anguilla, British West Indies.

Cinnamon Reef Resort, Cinnamon Reef, Environmental Impact Assessment Report for the Development of a Marine Facility, Anguilla, British West Indies.

Frederiksted Pier Improvements, V.I. Port Authority, Environmental Assessment Report for Improvements to the Existing Frederiksted Pier, St. Croix.

Construction of a Private Dock on Little St. James, LSJ LLC, Environmental Assessment Report for the Construction of a Private Dock on the Island of Little St. James, Little St. James.

Phase II of the Christiansted Boardwalk, Government of the Virgin Islands Environmental Assessment Report for Phase II of the Christiansted Boardwalk, St. Croix.

Construction of a Headquarters, Beal Aerospace, Environmental Assessment Report for the Construction of Beal Aerospace's World Headquarters in Estate Great Pond, St. Croix.

ENVIRONMENTAL ASSESSMENT REPORTS 1988 – 2000

Hurricane Damaged Dock Reconstruction, Divi Carina Bay Resort, Environmental Assessment Report for the Reconstruction of a Dock after Damage Associated with Hurricane Hugo at the Divi Carina Bay Resort and Casino, St. Croix.

Global Crossing Cable Terminal, Global Crossing, Environmental Assessment Report for the Construction of a Cable Terminal Building and Corridor for Eight Submarine Fiber Optic Cables (including a Landfall Study) in Frederiksted, St. Croix.

Construction of a Coker and Coker Dock at the HOVENSA Petroleum Refinery, HOVENSA LLC, Environmental Assessment Report for the Construction of a Coker and Coker Dock, St. Croix.

Frederiksted Pier Mooring Dolphin, V.I. Port Authority, Environmental Assessment Report for the Construction of a Mooring Dolphin at the Frederiksted Pier, St. Croix.

Seaplane Terminal, V.I. Port Authority, Environmental Assessment Report for the Development of a Seaplane Terminal at the Old Seaplane Ramp, St. Croix.

Forest Bay Marina, Forest Bay Group, Environmental Assessment Report for the Development

of a Marina and Related Facilities in Forest Bay, Anguilla, British West Indies.

Dolphin Lagoon, META Resorts, Environmental Assessment Report for the Development of a Dolphin Lagoon at Meads Bay, Anguilla, British West Indies.

Construction of the Christiansted Boardwalk, Government of the Virgin Islands, Environmental Assessment Report for the Construction of a Boardwalk in Christiansted, St. Croix.

Runway Extension of the Henry E. Rohlsen Airport, V.I. Port Authority in Collaboration with LPA Group, Environmental Assessment Report for the Runway Extension at the Henry E. Rohlsen Airport, St. Croix.

Red Hook Marine Terminal Expansion, V.I. Port Authority, Environmental Assessment Report for the Expansion of the Red Hook Marine Terminal (including the Development and Implementation of Mitigation and Monitoring Plans), St. Thomas.

Enighed Pond Marine Terminal, V.I. Port Authority, Environmental Assessment Report for the Creation of the Enighed Pond Marine Facility (including the Development and Implementation of Mitigation and Monitoring Plans), St. John.

Submerged Land Renewal, Coral World (VI), Inc., Environmental Assessment Report for the Renewal of the Submerged Land Lease for the Coral World Facility, St. Thomas.

Construction of a Seawall, Cowpet Bay, Environmental Assessment Report for the Modification of an Existing Permit to Construct a Seawall, St. Thomas.

Riprap Revetment Installation, Watergate East Villas, Environmental Assessment Report for the Construction of a Rip-Rap Revetment, St. Thomas.

Improvements to the Fuel Dock, V.I. Water and Power Authority, Environmental Assessment Report for Improvements to the Fuel Dock at the Power Generating Facility, St. Thomas.

Subdivision of Estate Misgunst, La Domaine, Environmental Assessment Report for the Subdivision of 40 Acres of Land in Estate Misgunst, St. Thomas.

Expansion of the Alexander Hamilton Airport and Highway 64 Relocation, V.I. Port Authority, Environmental Assessment Report for the Expansion of the Alexander Hamilton Airport Terminal and Highway 64 Relocation (including a Wetland Delineation, and Development and Implementation of a Wetland Mitigation Plan), St. Croix.

AT&T Cable Landing Facility, AT&T, Environmental Assessment Report for the Cable Landing Facility at Estate Northside (including a Beach Landfall Study, a Cable Routing Study, and the Development of a Water Quality and Environmental Monitoring and Mitigation Plan), St. Croix.

Dredging of the Sand Channel, DEVCON, Environmental Assessment Report for the Dredging

of the Christiansted Sand Channel, St. Croix.

Expansion of the Red Mud Storage Ponds, VIALCO, Environmental Assessment Report for the Expansion of the Red Mud Storage Ponds at the VIALCO Alumina Facility, St. Croix.

Stormwater Drainage System, VIALCO, Environmental Assessment Report for the Creation of a Stormwater Drainage System at the VIALCO Alumina Facility, St. Croix.

Permitting of a Caliche Mine, VIALCO, Environmental Assessment Report for the Mining of Caliche at the VIALCO Alumina Facility, St. Croix.

Molasses Dock Expansion, V.I. Port Authority Subcontracted by Frank Torrez, Environmental Assessment Report for the Molasses Dock Terminal at the Third Port Facility, St. Croix.

ENVIRONMENTAL ASSESSMENT REPORTS (SELECTED)
1988 – 1993

Beach Renourishment, St. Croix by the Sea, Environmental Assessment Report for a Beach Renourishment and Jetty Construction at St. Croix by the Sea, St. Croix.

Vieques Shrimp Farm, Vieques Shrimp Mariculture Project, Environmental Assessment Report for the Creation of a Shrimp Farm in Puerto Ferro, Vieques, Puerto Rico.

Marine Spill Response Corporation (MSRC) Dock, Hess Oil Virgin Islands (HOVIC) Petroleum Refinery, Environmental Assessment Report for the Construction of a Pier in the HOVIC West Turning Basin, St. Croix.

Construction of Eden Beach Hotel and Condominiums, Eden Beach, Environmental Assessment Report for the Proposed Construction of Eden Beach Hotel and Condominiums, St. Croix.

Expansion of the Tamarind Reef Hotel, Tamarind Reef, Environmental Assessment Report for the Proposed Reconstruction and Expansion of the Tamarind Reef Hotel, St. Croix.

Construction of Gas Turbines at the Third Port, V.I. Water and Power Authority, Environmental Assessment Report and USACE Application for the Construction of Two Gas Turbines at the Third Port Site, St. Croix.

Subdivision of Lovango Cay, Joseph Markus Trust, Environmental Assessment Report for the Creation of a Subdivision on Lovango Cay and Placement of a Private Dock, Lovango Cay.

Well Water Collection System, VIALCO, Environmental Assessment Report for the Construction of a Well Water Gathering System for Wells at the VIALCO Alumina Facility, St. Croix.

Crawl Cay, Monroe County, Environmental Assessment Report, Wetlands Delineation and Hammock Studies of Crawl Cay, Florida.

Jack's Bay Subdivision, Jack's Bay Development Company, Environmental Assessment Report for the Subdivision of Approximately 300 Acres into 64 Lots at Estate Jack Bay and Estate Isaac Bay, St. Croix.

Bauxite Building, VIALCO, Environmental Assessment Report for the Expansion of the Bauxite Building at the VIALCO Alumina Facility, St. Croix.

Carambola Beach Club Improvements, Danested, Environmental Assessment Report for the Repair and Improvement of the Carambola Beach Club Facilities, St. Croix.

Salt River National Park, National Park Service, Environmental Impact Statement for the Proposed National Park at Salt River, St. Croix.

Desalination Unit, V.I. Water and Power Authority, Environmental Assessment Report for the Construction of a Desalination Unit on St. John, St. John.

Construction of Estate Turner Hole Condominiums, Carmel by the Sea, Environmental Assessment Report for the Construction of a 95-unit Condominium at Estate Turner Hole, St. Croix.

Very Long Baseline Array (VLBA) Observation Station, NASA, Environmental Assessment Report and Landscaping Plan for the Construction of a VLBA, St. Croix.

Buccaneer Hotel Room Expansion, Buccaneer Hotel, Environmental Assessment Report for a 20-room Addition to the Buccaneer Hotel, St. Croix.

Construction of a Ritz-Carlton Hotel, Environmental Assessment Report and Zoning Application for a 350-room Ritz-Carlton Hotel in Estate Davis Bay, St. Croix.

Frederiksted Pier Expansion, V.I. Port Authority, Environmental Assessment Report for the Construction of a Second Pier in Frederiksted, St. Croix.

Construction of the Kingston Hotel, Kingston Hotel, Environmental Assessment Report for the Construction of a Hotel and Condominium in Kingston, Tortola, BVI.

Construction of an Airport Warehouse, V.I. Port Authority, Environmental Assessment Report for Construction of a Warehouse Facility at the Alexander Hamilton Airport, St. Croix.

Development of the Great Pond Resort, St. Croix, Environmental Assessment Report, for Golden Gaming, Zoning Application, and USACE Permit Application for a Hotel and Condominium Project at Estate Great Pond, St. Croix.

ENVIRONMENTAL ASSESSMENT REPORTS
1986 – 1988

St. Croix

St. Thomas

St. John

Columbus Landing, St. Croix	Blue Beards Beach, St. Thomas	Concordia, St. John
Grapetree Beach, St. Croix		
St. Croix by the Sea, St. Croix		
Ensenada, St. Croix		
Virgin Grand, St. Croix		
Sugar Bay, St. Croix		
Turtle Run, St. Croix		
Palm Shores, St. Croix		
Baobab, St. Croix		
Reflection Bay, St. Croix		
Coakley Bay, St. Croix		
Green Cay, St. Croix		
Turquoise Bay St. Croix		
Eagle Bay, St. Croix		
Granard, St. Croix		
Concordia, St. John		

Wider Caribbean

Southeast Peninsula, St. Kitts
Divi Dive Canal, Nassau, Bahamas

ENVIRONMENTAL CONTAMINATION ASSESSMENTS

1990 – PRESENT

2022 – Present Sampling for Heavy Metals Contamination of the Soil in Estate Donoe, St. Thomas.

2000 – Present Sampling for Chemical Contamination in Cisterns as a Result of a Hydrocarbon Release in the Air, St. Croix.

1994 – Present Periodic Sampling of the Leaking Underground Storage Tanks (LUSTs) at the V.I. Port Authority Seaplane Ramp, St. Croix.

2019 Sampling for Mold at the Renaissance Hotel, St. Thomas.

2016 – 2022 Sampling of Underground Storage Tanks (USTs) for Gasoline Service Stations on St. Thomas and St. Croix.

2012 – 2016 Sampling for Recognized Environmental Conditions in Estate Anna's Hope, St. Croix.

2006 – 2016 Sampling for Petroleum Product Contamination at Gasoline Stations and Industrial Sites, St. Croix.

1990 – 2002 Sampling of Residential and Commercial Properties on St. Croix, St. Thomas, St. John and Puerto Rico for Recognized Environmental Conditions.

Emily Goodwin is a Principal Scientist with over 18 years of providing multi-media compliance assistance and auditing for a variety of industrial facilities, including oil and gas, mining, chemicals, metals, energy, and manufacturing industries. She has specific compliance and permitting expertise in stormwater, oil spill control, wastewater, waste management, and hazardous materials.

Education

- BA, Environmental Science, Willamette University

Project Experience

Environmental Compliance

Principal Scientist, Toxic Release Inventory (TRI) and National Pollution Release Inventory (NPRI)

Conducted TRI and NPRI threshold determinations and calculations of air emissions and prepared compliance reports in accordance with Section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA), for wood products, manufacturing, and utility infrastructure.

Principal Scientist, Tier II Reporting

Completed SARA 312 reports (Tier II forms) for multiple clients across North America, including calculations of maximum quantities of chemicals maintained onsite, completion of the forms, and submittal of the reports to the various regulatory agencies, for wood products and oil and gas facilities.

Principal Scientist, Stormwater Pollution Prevention Plans

Prepared Stormwater Pollution Prevention Plans (SWPPP) for facilities in Alaska, Georgia, West Virginia, Washington, Oregon, Idaho, Tennessee and North Carolina. Facilities have included manufacturing and industrial clients with a focus on wood products and utility infrastructure.

Principal Scientist, Spill, Prevention, Control, and Countermeasure Plans

Prepared Spill, Prevention, Control and Countermeasure (SPCC) Plans for facilities in Alaska, West Virginia, Oregon and Washington. Facilities have included manufacturing and industrial clients with a focus on wood products and utility infrastructure.

Principal Scientist, Compliance Reviews, Assessments and Audits

Conducted multiple environmental compliance assessments, assessment and audits both as part of due diligence activity and for vendor compliance. Program areas include air quality, water quality (stormwater, wastewater), oil pollution prevention, and chemical and waste management (solid waste, hazardous waste, hazardous materials, EPCRA).

Principal Scientist, Toxic Substance Control Act Compliance Screenings

Conducted Toxic Substance Control Act (TSCA) compliance screenings for a manufacturing facilities.

Due Diligence

Senior Scientist, Phase I Environmental Site Assessment Reports

Prepared Phase I Environmental Site Assessment reports for properties located in Illinois, Washington, Missouri, Texas, Ohio, Louisiana, Indiana, West Virginia, New York, New Jersey, and Oregon.

Additional Training

- First Aid/CPR/AED Certified (March 2012)
- 40-Hour OSHA Hazardous Waste Operations and Emergency Response Training (November 2006)
- Hazmat/DOT (Trainer)