

## C1. Company Qualifications

Whitman, Requardt & Associates, LLP (WRA) is pleased to submit our qualifications to the National Roads Authority (NRA) for the Professional Services to perform an Environmental Impact Assessment for the East-West Arterial Extension for the Island of Grand Cayman, Cayman Islands. The following section presents highlights of our Company Qualifications. In addition to the highly qualified WRA staff, we have brought together an exceptional team of national, international, and local firms with proven and demonstrated abilities to successfully deliver all the needed study components. Their company qualifications are also contained in this section. Additional details of each firm's specific capabilities for this project along with our Key Staff bios and resumes are contained in Section 2 of this proposal. The below summarizes the main roles and responsibilities of the WRA Team:

### Prime Consultant



Project Management, Route Assessment & Assessment of Alternatives, Hydrology and Drainage, Terrestrial Ecology, Cultural and Natural Heritage Impact Assessment on Natural Trust Protected Area, Socio-Economic Considerations, Public Consultation

### Subconsultants



Terrestrial Ecology, Hydrology and Drainage, Greenhouse Gas



Geo-Environmental Considerations



Greenhouse Gas



Public Consultation

### Other Services



In addition to the well-established technical firms, we also have engaged the **University College of The Cayman Islands** about utilizing the services of students to assist in data collection needs. The University is very supportive of this concept and welcomes the opportunity for this hands-on learning experience working with our team of experts.



WRA is a multidisciplinary transportation consulting engineering firm established in 1915 with over 800 professionals in 24 offices in 11 states. WRA is well-credentialed, consistently ranked among the top engineering and environmental firms by leading industry publications, including Engineering News-Record (ENR) and Architectural Record for the past decade.

Our extensive in-house expertise includes:

- Architecture
- Building Design
- Civil/Land Development
- Community & Land Use Planning
- Construction Management
- Electrical Engineering
- Environmental Studies
- Fire Protection
- Geotechnical Engineering
- Historic Preservation
- Hydrology & Drainage Design
- Industrial Engineering
- Instrumentation & Controls
- Interior Design
- Landscape Architecture
- Maintenance & Operations Facilities
- Mapping/GIS/Surveying
- Marine Engineering
- Mechanical Engineering
- Program Management
- Protective Design
- Structural Engineering
- Sustainability Design
- Traffic Engineering
- Transportation Engineering
- Structural Engineering
- Water Resources
- Water & Wastewater Engineering

Our closest office to the NRA is in **Tampa, Florida USA**, where we provide diverse capabilities to complete transportation engineering projects of all sizes, complexities, and durations. WRA strives to provide impeccable services by building mutually beneficial partnerships, understanding our client's needs, developing innovative and efficient solutions, and providing unparalleled customer service. The firm's collaborative environment fosters unity and continuity, which are reflected in our final products. This is just one of the reasons why we enjoy long-term relationships with our clients.

Our award-winning transportation planners, scientists, traffic, and design engineers integrate a holistic approach in developing the best solutions within budget and on schedule. Our wealth of national and international expertise combined with local knowledge allows us to leverage best practices and lessons learned along with the application of the latest technologies to guide successful decision-making for efficient investment. Our customer-service focus, responsiveness, and overall quality will provide the NRA with customized expertise while maintaining a practical vision focused on implementation.

#### Environmental Awards

- 2019 MdQ1 Award of Excellence, Green/Sustainability/Environmental
- 2016 Environmental Excellence Award, MDOT
- 2016 Pennsylvania Environmental Council's Governor's Award for Environmental Excellence

As evidenced by established relationships lasting many decades (more than 60+ years and thousands of projects) with clients like the Florida Department of Transportation (DOT), Virginia DOT, Pennsylvania DOT, and Maryland DOT State Highway Administration (MDOT SHA), our talented key personnel committed to this project have the expertise and breadth of transportation engineering and environmental studies experience to provide the requested services to support the NRA. WRA has a successful record of supporting transportation agencies throughout our numerous markets where we have successfully completed a wide variety of transportation projects through similar engineering and environmental studies contracts.

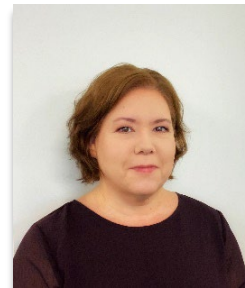
WRA offers relevant direct EIA related experience including:

- **Route 460 Southeast Virginia SEIS & Section 404/401 Permitting** – Developed multiple 4 lane alternatives on new location along 50-mile corridors and mitigated impacts to high value sensitive wetland resources. Study included substantial public consultation.
- **Skiffes Creek Connector Study & Environmental Assessment** – Developed multiple alternatives, avoided impact to sensitive water, wetland, cultural and community engagement.
- **Martinsville Southern Connector Study & EIS** – Developed multiple 4 lane alternatives on new location along 7-mile corridors and mitigated impacts to high value sensitive wetland, community, and cultural resources. Study included substantial agency and community engagement.

**Walter Miller, PE, Principal-in-Charge**, is authorized to represent WRA in negotiating and signing contracts; and **Scott Thompson-Graves, PE, PTOE**, will serve as our **Project Director**. Scott has worked with the NRA on our previous assignments including the development of the travel demand and operational model and our previous concept design assignments. Our Senior Environmental Scientist and Lead Documents Writer, **Joyce Barkley** will serve as our **Project Manager** for this project. Their contact information is:



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WRA has been providing services to the National Roads Authority since 2017, beginning with the development of the Grand Cayman Travel Demand Model and Traffic Operations Model. Subsequently, we have continued to support the NRA on modeling analysis projects. Recently, we have supported the NRA on the **EWA/Hirst Road, EWA/Agricola Conceptual Intersection Design**, and **Silver Oaks Roundabout** conceptual layout as well as the conceptual layout for the **Kings Sports Centre Parking Options**. These projects have helped us understand the unique aspects of working on Grand Cayman.

WRA has an extensive history providing engineering design and environmental studies for a variety of new location and expanded roadway and bridge projects. We have a host of talented transportation planners, environmental scientists, ecologists, geologists, air and noise specialists, socioeconomic analysts, hydrology and drainage engineers, and roadway and structures designers who work collaboratively and excel at developing innovative solutions that best avoid and minimize impacts to the natural and human environment. WRA is also highly experienced in developing sustainable and resilient practices and applications, such as the work we completed for the MDOT SHA by evaluating a frequently flooded roadway (MD 450) in an environmentally sensitive, lowland corridor. MD 450 had become permanently flooded because of more frequent storm events, increased development, and a geomorphic shift in the stream alignment. Working with MDOT SHA, WRA successfully designed and implemented an emergency stream relocation to restore traffic passage and then developed flood recurrence interval predictions to inform future MD 450 activities. We consider sustainability and resiliency in all our client's projects as routine factors in ensuring cost effectiveness and longevity of the transportation infrastructure we design.

Additionally, the firms that will comprise the WRA Project Team, described below, offer NRA a knowledgeable, proven, and highly capable team of professionals to provide every aspect of the requested services for this important project.



**RES Environmental Operating Company, LLC ("RES")** is a U.S. operating company focused on restoring a resilient earth for a modern world, project by project. As the United States' largest ecological restoration company, RES supports the public and private sector with solutions for environmental analysis of transportation development projects, environmental mitigation, stormwater and water quality, and climate and flooding resilience.

RES recently announced that **E Sciences** is now a wholly owned subsidiary of RES with its premier scientists and engineers now incorporated into RES. E Sciences (now RES) is an engineering and environmental consulting firm specializing in transportation-related support services. Since its inception, E Sciences has supported the Florida Department of Transportation and other transportation agencies by conducting environmental assessments and providing environmental documentation and mitigation for major and minor transportation improvements during planning, preliminary engineering, design, and maintenance. Included as support in transportation development assessments are scientists who specialize in habitat assessments that consist of habitats very similar to our Caribbean neighbors, such as uplands with diverse tropical tree canopy, mangroves, seagrasses, and coral reefs; and mitigation planning services, mitigation bank coordination and mitigation project development.

RES employs over 1,030 dedicated staff in 39 operational hubs across the United States including Florida regional offices in Clearwater, DeLand, Fort Lauderdale, Fort Myers, Hollywood, Key West, Miami, Orlando, and Palm Beach. RES staffing will be led by its South Florida offices.

RES has a unique operating model for delivering ecological uplift, based on science-led design, full delivery, long-term stewardship, and guaranteed performance. RES designs, builds, and sustains sites that preserve the environmental balance, lifting impaired ecosystems into restored health and ultimately, self-sufficiency. They work closely and creatively with developers, operators, landowners, and regulatory agencies to balance the needs of the client, community, and resources. Their operating model is built around this approach and employs teams covering the full project lifecycle, combining in-house analytics and technical expertise with implementational resources and capabilities.

RES has helped clients successfully permit more than 3,900 projects, creating rich, high-functioning ecosystems as part of each permit. Their clients include local and state governments, large mining operators, energy production companies, energy transmission companies, Fortune 500 companies, departments of transportation, and other public-sector organizations. Their internal resources include environmental, health, safety, and security staff, land acquisition specialists, wildlife biologists, Rosgen IV certified stream designers, professional wetland scientists, engineers, hydrologists, QA/QC oversight teams, field ecologists, regulatory project managers, analysts, certified foresters, arborists, landscape architects, construction managers, superintendents, and field crew members as well as supporting project controls, government affairs, public relations, financial, legal and analytical staff.

RES' experience includes:

- Restoration, enhancement, and preservation of 62,637 acres of wetlands
- Restoration of over 525 miles of streams
- Rehabilitation, preservation, and/or management of over 15,000 acres of special-status species habitat
- Currently, conduct monitoring and maintenance (including invasive species management) for over 50,000 acres of mitigation habitat
- Successful close-out of over 100 mitigation sites
- Permitting and development of over 200 permittee-responsible mitigation projects
- Design, permitting, management, and development of 197 wetland, stream, species, and conservation banks
- Delivery of 20,000 acres of custom, turnkey mitigation solutions
- Design and construction of over 350 stormwater management facilities
- Reductions of over 280 tons of water quality nutrients
- Planting of over 20,000,000 trees across all operating regions
- Development and operation of nurseries in six states including the largest coastal nursery in Louisiana
- Facilitation of compensatory mitigation and nutrient offsets for over 3,980 permits

RES draws on our dedicated, in-house resources and deep experience across all phases of ecological restoration projects in defining our project approach, which seeks to balance performance and cost in the manner that is most beneficial to our clients.



Cayman Engineering & Partners and Arch Engineering Ltd. Merged to form **AMR Consulting Engineers**. The two well-established and respected firms joined forces to provide the Cayman Islands and Caribbean with a premier engineering consulting firm with services that include:


- Structural Engineering Design
- Civil Engineering Design
- Geotechnical and Foundation Engineering
- Project Management
- Resident Engineering Services
- Environmental Engineering Services
- Piling Inspection and Testing Services
- Site Surveying
- Site Monitoring

AMR is a multi-disciplinary engineering consultancy company covering all aspects of structural and civil engineering. They have extensive experience of working in the Cayman Islands. From design, project management and site monitoring, they offer a wide range of services. Their experienced and qualified consulting team is known for delivering excellence.

Comprehensive describes the multifaceted operation that is AMR. Presenting an extensive list of critical engineering services, AMR tailors solutions to suit every situation. Whether it is designing hurricane resistance or conducting environmental site assessments, AMR is competitive in time and budget, as well as thorough, reliable, and inventive.

AMR recognizes that relationships take time and dedication to build. Proper service is a prime component in establishing trust, loyalty, and reverence. AMR is committed to creating long-term client rapport while supplying outstanding quality service before, during and well beyond a project's completion. They believe that to service is not only a responsibility, but it is also a significant element of the AMR culture. In the Cayman Islands and Caribbean, the firm has set a new standard in client relationship management.

The AMR team is a collaborative, small-scale force with large ideas. They offer the Cayman Islands community and the Caribbean as a whole, a wealth of wisdom and state-of-the-art technical skills. They enthusiastically share their education through training, sponsorship and mentoring of young Caymanians. From partners to interns, those at AMR are connected by one common goal: to provide "Excellence in Engineering Solutions and Service".

 **Stantec Inc.** unites more than 25,000 employees working in over 400 locations. Their work in planning, engineering, architecture, interior design, landscape architecture, surveying, environmental sciences, project management, and project economics begins at the intersection of community, creativity, and client relationships. With a long-term commitment to the people and places they serve, Stantec can connect to projects on a personal level and advance the quality of life in communities across the globe.

For over 60 years Stantec has successfully been providing natural resources and engineering-related services from the project planning phase through implementation and training for many different government clients and departments of transportation. In 2021, Engineering News Record ranked Stantec #1 in Top 100 Architecture/Engineering Firms, as well as ranking Stantec #5 for Top Environmental Firms and #12 in Top Global Design Firms.

Stantec brings together places that make communities feel like home. Creating a workable transportation plan or designing a public space with parks and trails, requires a mix of technical skill and creative vision, as well as insight into community development. They merge this expertise to create value for our clients and community. Their environmental scientists, planners, engineers, surveyors, and transportation experts lay the groundwork for infrastructure so a community can run smoothly. Stantec's environmental scientists restore and protect the environment and their planners create designs using sound planning and practical knowledge.



**Tower** is a creative strategic communications agency operating in the Cayman Islands for the past 23 years. They are experts in creating, managing, and marketing events; and producing stimulating, creative print materials and marketing collateral. Their in-house capability is unique in the Cayman Islands. No other locally based agency has the blend of multi-sector marketing experience and skillsets that Tower possesses in-house. Research, strategy, planning, execution, measurement, and evaluation are all directly available to their clients.

Tower knows Cayman. They fully understand the attitudes, values, habits, wants, needs, motivations, and behavior of the people you need to reach. Their deep understanding of the Cayman Islands has enabled them to connect brands with target audiences locally and internationally, through strategic communications programs, effective creative marketing campaigns, public affairs networking, and impactful media relations.

Tower operates a fully integrated service model and operates as one team. Their operational approach is one of partnership, where they seek to become a seamless extension of the project team. Tower's talented group of professionals are big enough for strategic planning sessions, captivating campaigns, and cutting-edge design, yet small enough to be flexible and nimble. They are quick to respond and get projects executed efficiently. They have a reputation for work that creates an impact and delivers measurable benefits to their clients, combining sound strategic thinking with first-class creativity to deliver powerful business results. Complementing their extensive in-house expertise, they have built a network of relationships with leading communications professionals in Cayman and internationally to ensure that they can offer additional specific or niche skills as a complete end-to-end solution for their clients.

Tower produces top quality award-winning work. They have been awarded two Cayman Islands Chamber of Commerce Business Excellence Awards which included winning Small Business of the Year and Marketing Campaign of the Year, and most recently, their highest accolade, Chamber Champion Advocate in 2021.

Locally, Tower's work has won recognition by the Cayman Islands Marketing Professionals Association (CIMPA) awards, including:

- 2021 Campaign of the Year (Health City)
- 2021 Creative Professional of the Year

Tower has also taken home many American Advertising (Addy) Awards over the years:

- 2021 Gold – Logo Design (Restaurant Month - CITA)
- 2021 Silver – Consumer Campaign (Restaurant Month - CITA)
- 2021 Judges Choice (Restaurant Month - CITA)
- 2018 Public Service Online/Interactive Campaign
- 2018 Social Media Campaign
- 2017 Social Media Campaign
- 2016 Advertising Industry Self-Promotion (cross platform) Integrated Campaign
- 2016 Sales Promotion – Sales Promotion Campaign
- 2015 Collateral Material – Magazine Design
- 2015 Advertising Industry – Self-Promotion, Newsletter Online
- 2015 Elements of Advertising – Visual Logo
- 2014 Collateral Material – Magazine Design

Tower is driven by research, insights, and strategy to effectively deliver messages, create conversations and engage people in the communication channels and forums most relevant to them, be it social media and other digital channels or more traditional media such as radio, print or TV. Tower understands when, where and how to reach people.