

Letter from the President/CEO

January 10, 2024

To: (Intentionally Deleted)

Subject: FRP Construction Proposal for FRP Reinforcement of Malcolm Younge Center Arches
Pensacola, FL

Dear (Intentionally Deleted)

FRP Construction, LLC, is pleased to present this proposal for the referenced project.

On March 23, 2020, FRP Construction celebrated its 6,000th day without a lost time accident. We are extremely proud of this accomplishment, while at the same time we are focused on maintaining awareness of the continual need for encouraging and enhancing the safety culture among our construction crews.

FRP Construction and QuakeWrap understand the importance of both quality and cost control in every project. All plans, calculations, and design documents submitted for review are clearly marked as being fully checked by a senior level team member.

We look forward to working with James B. Washington Education & Sports on this project.

Best Regards,

A handwritten signature in black ink that reads "Mo Ehsani". The signature is fluid and cursive, with a long horizontal stroke at the end.

Mo Ehsani, PhD., P.E., S.E.



PROPOSAL FROM FRP CONSTRUCTION

Company Overview



FRP Construction, LLC is an Arizona-based company founded in 2006 that specializes in repair and restoration of structures, with unique expertise in the installation of Fiber Reinforced Polymer (FRP) products. These FRP products are supplied by a variety of manufacturers, including QuakeWrap, Inc. QuakeWrap was founded in 1994 and is the world's premier engineering and materials supplier for FRP products. QuakeWrap is also a pioneer research and development firm committed to providing economical infrastructure repair solutions and unparalleled service to engineers, architects, contractors and building owners.

FRP Construction installs the QuakeWrap family of FRP products including PileMedic®, PipeMedic®, StifPipe®, and others. Together, FRP Construction, LLC and QuakeWrap offer turnkey design/build solutions including the recommended materials and installation services for repair and rehabilitation projects using FRP.

FRP Construction's staff includes project managers, quality assurance engineers, jobsite supervisors, foremen and laborers, all trained and highly experienced with FRP installation. QuakeWrap's staff includes engineers, designers, and material specialists who work with each client to develop customized turnkey solutions to complex structural challenges.



SERVICES OFFERED

FRP Construction offers "turnkey" services that can be tailor-made to the needs of the particular project/client. We offer a supply of complete line of materials (glass or carbon fabrics, carbon plates, resins, and top coatings) and assistance with design or complete sealed designs including Auto CAD drawings.

Installation by our own construction crew for the following project types:

- Pipeline Rehabilitation
- Carbon Fiber Reinforcement (CFRP)
- Fiberglass Reinforcement (FRP)
- Fiberglass Reinforced Cementitious Matrix
- Seismic Retrofit/Strengthening
- Corrosion Protection
- Structural Concrete Repair
- Epoxy Crack Injection
- Urethane Chemical Injection
- Gunite
- Shotcrete
- Pile Jacketing
- Abrasive Blasting/Grinding
- Coatings
- Galvanic Anodes
- Shoring



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- Post Tension Repairs
- Secondary Containment
- Penstock Rehabilitation
- Pipe Repairs
- Column Repairs
- Manhole Repairs
- Blast Walls
- Expansion Joint Failure
- Grouting
- Beam Repair
- Shear Crack Failure
- Tunnel Repairs
- Non-Slip Surface
- Structural Integrity
- Pipe Support
- Coatings Dock and Wharf Repair
- Bearing Pad Replacement
- Base Plate Grout
- Pump Base Pedestal
- Structural Strengthening
- Balcony Repair
- Clean Room
- Beam Deflection
- Reactor Units
- Pipe Wrapping



"In a business where compliments are few and far between, I would like to assign credit to a few good men.

This FRP Construction site was as challenging as any that I have seen with 20 years of experience.

I would like to thank your exemplary employees, as they championed this project from start to finish with enthusiasm unknown to most construction work. The traits shown by these men are refreshing in this day and age"

—Ryan Bagshaw, Inspector
Salt Lake City
Department of Public Utilities
February 2017



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Project Scope

Mobilization

- Arrival at job site with personnel who have current certificates of the following:
 - a. Certified QuakeWrap FRP Installer
 - b. OSHA 10/30
 - c. Fall Protection Training & Hand Tool Safety
 - d. First Aid/CPR
 - e. Confined Space
- Unload/receive all equipment needed.
- Stage equipment and material in area agreed upon between contractor and FRP Construction, LLC.
- Test all equipment and tools to be used to ensure they are all in safe working order.

FRP Reinforcement of Arches

- Removal of existing paint on areas of Arches to be reinforced with FRP and epoxy injection.
- Patching of any large cavities with high strength mortar.
- Notching of arches and placement of epoxy injection tubes.
- Installation of QuakeWrap 2408G FRP around all exposed exterior portions of arches.
- Injection of QuakeBond 320LV into all arches where FRP has been installed to fill all cavities and cracks.
- Coating of installed FRP with UV protective paint to match existing.

PRICING

LINE NO.	ITEM DESCRIPTION	QTY	UOM	UNIT PRICE	EXT PRICE
01	Stamped Engineering Design Details	1	LS	\$4,500.00	\$4,500.00
02	Mobilization	1	LS	\$8,500.00	\$8,500.00
03	FRP Reinforcement of Arches	1	LS	\$151,500.00	\$151,500.00
04	Interior Reinforcement Allowance	1	LS	\$75,000.00	\$75,000.00
				NOT TO EXCEED TOTAL	\$239,500.00



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*** Interior Reinforcement Allowance is being provided in the event interior arches require FRP reinforcement. Based on our review of the Structural Assessment dated 4/21/23, we do not believe any reinforcing work will be required on the interior. Once the exterior arches are reinforced with FRP the interior of the building shall be deemed safe to occupy, inspect and repair if needed without the need for any shoring. Stamped engineering approval letter can be provided upon completion of the FRP reinforcement of the exterior arches.**

We suggest the owner include the interior reinforcement allowance provided in the pricing above in their project budget in the event interior reinforcement of the arches is required. Pricing for any interior arch work required will be agreed upon between both parties once the interior arches have been inspected. Any repairs deemed necessary shall not exceed \$75,000.00.

ASSUMPTIONS:

- Pricing is based on the above scope of work. All exterior arches are to be retrofitted with FRP and epoxy injection, no interior arches are assumed to require FRP retrofit.
- Epoxy injection of arches is assumed to require 495 Gallon of QuakeBond 320LV epoxy. If more than 495 gallons of QuakeBond 320 LV is required to be injected, additional costs of \$145/gallon will be charged as extra by change order.
- 1 mobilization is assumed in the pricing above to complete the scope of work above if any additional mobilizations are required, they will be charged at the unit rate above.
- Any additional safety training, certifications or company onboarding required other than those listed within our mobilization scope will be charged on a T&M basis.
- Continuous and sequential work area availability. Any delays beyond the control of FRP Construction will be charged at an hourly and/or daily rate cost agreed upon between FRP Construction and owner.
- Any additional work items will be individually negotiated and performed after written notification.
- This proposal is based on the availability of personnel and equipment.

EXCLUSIONS:

- This proposal does not include any time or cost of environmental or building permit acquisition, therefore, if FRP Construction will be held responsible for acquiring any permits on this project the Owner must notify FRP Construction as soon as possible for further discussion.
- State, county or city sales tax is not included in the pricing above. Any sales taxes required to be paid by FRP Construction will be added to the pricing and invoice amounts. Material tax has been applied and is included.



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- Any third-party inspections or testing required.
- Any traffic or pedestrian control required.
- Liquidated Damages.
- Acts of God.

GENERAL CONDITIONS:

- Dates for installation will be finalized at time of acceptance notification.
- This proposal will expire in 60 days without a signed contractual agreement. Furthermore, this proposal will become part of any contractual agreement. After expiration of this proposal, our pricing is subject to adjustment or can be withdrawn. Proposal pricing is subject to adjustment if the actual job site conditions or quantities differ from the requirements and conditions presented to us at the time of this proposal.
- FRP Construction reserves the right to file a pre-lien notice on each project according to the state law where the project is located.

PAYMENT TERMS:

*Payment terms will be negotiated at contract signing. Due to the unique nature of FRP products, which have a significant materials & engineering cost, we expect material, and mobilization to be paid prior to mobilization. If you agree to the above terms and price, please notify us in writing, then we will proceed with a contract for signatures.

Tyler Adams

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