

Budget for Youngsville Sports Complex Splash Pad Project

Introduction

The purpose of this document is to provide a budget for the construction of the splash pad detailed in the Scope of Work document presented to the City of Youngsville by Aquatic Interactive.

Aquatic Interactive worked with MMR Constructors in Broussard, LA to prepare the below detailed budget. It assumes that uninterrupted access will be made available to the site throughout the construction process. It is assumed that construction may take 6-8 weeks. Restrictions to access would result in a longer construction process and higher cost.

The total cost of construction of the described project in the Scope of Work Document is **\$880,762.00**

Assuming the scope of work is not expanded Aquatic Interactive feels the actual cost of construction can be reduced with completed Engineering Plans that better detail and specify the project.

Engineering

\$42,550.00

This price is a quote from Aquatic Interactive to manage the process to secure engineering plans for the project. The State of Louisiana requires stamped plans by a state licensed engineer be submitted to the District Engineer for review and approval. Aquatic Interactive has identified Brannon Corporation a civil engineering and consulting firm with expertise in Aquatics for the required services who we have worked with on multiple projects. They have broad experience with commercial pools and splash pads throughout the world. An up-to-date Survey and Geotechnical Report are required to commence the engineering. Aquatic Interactive has secured proposals from Fenstermaker for the survey and Site Engineering for the geotechnical report, both local companies.

The city generally requires a SWPPP for commercial projects, as this is a city project and an upgrade to an existing site, we have not included this in the engineering scope. This can be added to the scope of work performed by Brannon for a fee if required by the city.

Please note the State of Louisiana will require a letter from the Engineer upon completion stating compliance with the engineering specifications. An allowance of \$2,000.00 has been included in the above price.

Permitting

State

The state of Louisiana requires a pool permit for construction of the splash pad. While there is not a specific code for splash pads, they loosely use the Florida and South Carolina codes under a letter of intent. They will require stamped plans by a state licensed engineer be submitted to the district engineer for Lafayette Parish. There is no cost currently for the review or permit from the state. The cost of permit submittal is included in the Engineering proposal above.

City

We have not had discussion to this point about permitting this project with the city and have assumed a permit if required will not have an associated cost. If a permit application needs to be submitted, it can be included at no additional fee in the Engineering proposal above by Aquatic Interactive.

Features and Nozzles from Water Odyssey \$159,563.00

The above price assumes these features are purchased through Aquatic Interactive. The price represents a lower than list price to the city and does not include tax as it is assumed a tax exempt certificate will be supplied by the city. The city may be able to secure these features directly from Water Odyssey or other source at a better price. Aquatic Interactive believes purchase of the feature directly rather than through a contractor will be favorable to the city.

Splash Pad Construction \$220,631.00

Splash pad construction includes all material and labor to construct the 3,050 sq. ft. splash pad as defined in the scope of work. This includes the installation of the 2,000-gallon holding tank and associated plumbing. The cost to mount and install the filtration and control equipment is included in the Electrical quote below. This price assumes a concrete broom finish with a painted baseball diamond. Options for Tuff Coat, Poured in Place Rubber and Life Floor is included later in this document.

Surrounding Deck \$89,463.00

Surrounding Deck includes all material and labor for the estimated 3,858 sq ft. surrounding deck. This price assumes a concrete deck with broom finish. An option for Tuff Coat is included later in this document.

Note: The Splash Pad and Deck construction assumes a concrete truck will have access to the site without the need of a pump truck.

Building \$95,993.00

This is the price to construct the 22' x 22' building for the tank and filtration and control system with two restrooms. This building will resemble the existing pavilions and will have rely on the open ventilation provided by the gap between the top of the walls and roof with exception of the two restrooms. We have assumed two toilets with sink in an enclosed room with 8' high ceiling. Wall hung HVAC is also included.

The above assumes the following:

- Water source is within 50' of building – can be accurately determined with Utility plan of Sports Complex or will be included in the Survey/Engineering Plans.
- Access to Sanitary Sewer is within 50' Of building - can be accurately determined with Utility plan of Sports Complex or will be included in the Survey/Engineering Plans.

Archway and Fence

\$62,938.00

This is the price to construct the Archway utilizing CMU blocks to resemble the pavilions and surround area with a 6' Aluminum fence as defined in the scope of work. This will include a locking gateway for entrance into the splash pad area.

Plumbing

This the cost for a licensed plumber as required for installation of proper backflow prevention for the restrooms and autofill for the tank. It also includes connection of the drains in the building to sanitary as required by code.

The cost of plumbing is included in the building budget above.

Electrical

\$104,624.00

This is the price to supply a 160A service to the building and power distribution panel for the lights and all equipment.

Budget includes 100' connection from source – This can be better identified with electrical plans for Sports Complex or within the Survey/Engineering Plans. The city may also decide to bring main service to the building.

Budget includes mounting and connecting all equipment for the filtration and control system associated with the splash pad.

Miscellaneous and Contingency

\$75,000.00

Geotechnical testing may be required by the engineering and or city requirements. If required, this would apply only to the building at an estimated cost of \$5,000.00. this will be determined with completion of the engineering plans and subsequent permitting.

As identified in the Scope of Work document there is no defined landscaping or irrigation associated with this project. It may be desirable to apply sod around the project area upon completion.

This provides an allowance for the city to include benches, chairs, receptacles or shade structures within the project.

Project Management

\$30,000.00

The city may elect to contract Aquatic Interactive to manage this project on their behalf. In this role we would act as the liaison between the city, engineer, and contractor(s). Aquatic Interactive would be active throughout the construction process to ensure all work is completed to the specifications of the engineering plans and manufactures. We would supply Brannon Corporation with periodic reports and pictures to ensure compliance and a speedy completion letter for presentation to the State. We will be present on the construction site for a minimum of 2-3 days/ week during the construction process.

Surfacing Options

As described in the Scope of Work and in the budget for the splash pad it is assumed the finish for both the splash pad and deck concrete with a broom finish. While there are many splash pads with a concrete finish it can not be escaped that concrete when wet is slippery and subject to falls. Concrete when not wet is extremely hot.

Any of the below products will provide a cooler, less slippery surface for a safer and more enjoyable experience for the patrons of the splash pad.

Tuff Coat

Tuff Coat is an attractive easy to use nonskid coating with increased UV resistance for optimum traction on pool decks, splash pads and other aquatic applications. Available in 21 colors and can be customized if desired.

Cost for Splash Pad with Baseball Diamond \$19,582.00

Cost for Deck Area \$18,240.00

Pour in Place Rubber

TPV Rubber Granules bonded with a chlorine resistant binder provides superior UV and skid resistance. This product is applied at 3/8" thickness and comes with a 3-year warranty if applied by Step On It. Available in 24 colors and can be mixed for unique look at no impact to price.

Cost with baseball diamond design \$47,000.00

Life Floor

Life Floor is a foam rubber flooring tile designed for use in aquatic facilities with barefoot traffic. Life Floor is the first splash pad surface in the world certified by NSF/ANSI/CAN50 meeting six unique performance standards: slip resistance, impact absorption, chemical resistance, UV stability, cleanability and impermeability.

Cost with baseball diamond design \$85,250.00

Note: A great look is to use the pour in place on the splash pad and Tuff Coat for the deck.

Exceptions

The following was not included in the prepared budget:

- a. SWPPP as identified in Engineering above
- b. Removal of unforeseen underground obstructions – There does not appear to be a risk of this and it would likely be identified in the Survey/Engineering Plans.
- c. Removal of Rock or caliche during excavation – this is not expected based on geotechnical report for the construction of the Sports Complex; this should be better identified with the Geotechnical Report/Engineering associated with this project.
- d. Testing, removal and/or remediation of contaminated soil - this is not expected based on geotechnical report for the construction of the Sports Complex; this should be better identified with the Geotechnical Report/Engineering associated with this project.
- e. Soil Compaction Testing
- f. Saw Cutting or Patching – this would only be necessary if required to connect water or electrical source. Can be identified with a Utility and Electrical Plan for the Sports Complex or completion of the Survey/Engineering Plans.
- g. Off-Site disposal of soils – it is assumed any excavated soils could be distributed on the property.
- h. Hydo Vac and/or Air Vac excavation