

Current Bridge



Proposed Bridge Style



Truss Bridge - \$250,000-\$550,000

A typical pedestrian truss offers a robust structure with minimal maintenance needs and high load carrying capacity. Due to the highwater events that occur at the site, the bridge will need to be designed for overtopping events. A large component of the overall cost is determining which overtopping events the bridge should be designed for. A desk top review of the site shows that the current structure lands at an elevation of approximately 685'. A review of the FEMA flood plait shows the following highwater elevations.

- 10-year: 695.7
- 50-year: 700.0
- 100-year: 701.5
- 500-year: 705.3

A bridge clearing the 10-year event results in a minimum structure elevation 10' higher than the current ground elevation. Assuming the bridge has ADA compliant ramps, the approach trails need to be around 250' long. The more elevation that is added to the structure, the longer the approach trail becomes. This would add cost to the project in trail construction and retaining walls. A preliminary site design would need to be done to greater understand the trail geometry.

Clearing the 50 and 100 year events should also be investigated but may not be feasible as this site has tight geometric limits.

Lions levee park

- 36 boat parking spots
- We do not charge a fee to utilize boat launch or parking.
- Utilized by Fire Departments, Marathon Refinery, DNR for emergencies and training on the river.
- The island has been used as a staging area in emergency events. Our current bridge does not have a weight rating which limits emergency personal ability to bring equipment onto the island.
- Without a weight rating, it limits PW ability to maintain the island, which could be a deterrent in an emergency.
- Increase ADA accessibility to utilize the island.
- The current bridge is in need of extensive repairs because of flooding events.