



STATE OF TENNESSEE
DEPARTMENT OF TENNESSEE WILDLIFE RESOURCE AGENCY

**INVITATION TO BID #32801-12685
AMENDMENT #1
FOR TWRA MODULAR COURTESY DOCKS AND
FISHING PIERS**

DATE: March 21, 2023

ITB # 32801-12685 IS AMENDED AS FOLLOWS:

1. State responses to questions and comments below amend and clarify this ITB.

Any restatement of ITB text in the Question/Comments shall NOT be construed as a change in the actual wording of the ITB document.

PAGE #	QUESTION / COMMENT	STATE RESPONSE
	1. What is the live load on the docks, piers, and the gangways?	Aluminum Association- Aluminum Design Manuel American Welding Society See response for question 2
	2. What is the allowable deflection under max live load on the gangways?	**See updated specification D** <ul style="list-style-type: none"> • VERTICAL DESIGN LOADS <ul style="list-style-type: none"> A. Dead load shall be the entire weight of the floating pier and access ramp. B. Deck surface an structural frame loading shall be equal to a minimum of 30 lbs. per square foot applied to the full deck surface. C. Access ramp shall be designed for 30lb per square foot applied to the full surface area. D. Floatation deck live load shall be designed for 30lb per square foot to the full area of the deck. • HORIZONTAL DESIGN LOADS <ul style="list-style-type: none"> A. Uniform wind load of 20lb per square foot on all projected surfaces. B. Prevent torsion, racking and twisting by providing sufficient built-in rotational resistance to prevent no more than 3 inches of rotation in normal freeboard per 30 linear feet of dock under any combination of normal loads.

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		<ul style="list-style-type: none"> • FREEBOARD <ul style="list-style-type: none"> A. Floating docks shall provide freeboard under the loading conditions listed below, with no more than 1" loss of freeboard after one year of service. <ul style="list-style-type: none"> a. Flotation shall maintain a minimum freeboard of 16" and maximum of 20" under combined dock dead load and supported gangway and utility load. b. Flotation shall maintain freeboard of 8" under the dead load condition plus the live load specified in section 3 D, uniformly distributed across the entire decking. B. When the floating dock must support a gangway, special condition must be given to ensure that adequate flotation is provided to the floating dock to support the tributary dead load of the gangway.
	3. What are the load forces allowed on the railing? and the point loads?	See response for question 2
	4. What are the boat impact loads/speeds the docks should be able to handle?	See response for question 2
	5. What wind load standard should the structures meet (i.e. ASME07)?	Uniform wind load of 20lb per square foot on all projected surfaces.
	6. Given the late posting of this bid, is there any flexibility in the bid due date?	The State will ensure respondents have at least 5 days to review TWRA's responses to Questions and Comments before the bid end date. The end date may be extended if the State is unable to post TWRA responses at least 5 days before the current event end date.
	7. There are no loads in the specification - what do we design too?	See responses 1-5
	8. Does the dock have to be 6" thick or can it be more if the freeboard is met?	It can be more if freeboard is met
	9. Why do the cleats for a boat ramp dock need to be adjustable?	We have had boaters request this feature.
	10. Why does a fishing pier and a boat ramp dock need to be reconfigurable when they never change once installed?	If use increases at a site, we would like to be able to increase the size of each dock or pier without completely replacing the unit.
	11. Can spud poles be used to secure the dock systems in place?	No
	12. Will TWRA be specifying all aluminum docks and fishing piers from now on?	Specifications are specific to each ITB event. TWRA is unable to provide information regarding future

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		procurement needs of future ITB events as a response to the Questions and Comments submitted on ITB 32801-12685.
	13. This Courtesy Dock and Fishing Pier bid is asking for aluminum and only 6" high frames, please confirm this is correct?	This is correct. Aluminum extrusions for dock, pier, and gangway structures shall be aluminum alloy 6061-T6 E-channels extruded in accordance with the requirements of applicable sections of Federal Specifications QQ-A-200. Miscellaneous aluminum may be 6063-T5 or 5052-H32.

2. **ITB Amendment Effective Date.** The revisions set forth herein shall be effective upon release. All other terms and conditions of this ITB not expressly amended herein shall remain in full force and effect.