

INVITATION TO BID

State of Ohio
Department of Administrative Services
General Services Division
Office of Procurement Services

The original signed bid must be submitted to the Office of Procurement Services to receive consideration for award.		BIDDER NAME	
BID NUMBER 0B100321	OPENING DATE (1:00 p.m.) October 23, 2020	STREET ADDRESS <input type="checkbox"/> Check if remit address is different and list on separate sheet	
General Services Division Office of Procurement Services 4200 Surface Road Columbus, OH 43228-1395 Attn: Bid Desk		CITY	STATE ZIP
		COUNTY	MBE/EDGE CERTIFICATE NUMBER
		TELEPHONE NO. ()	TOLL FREE NO. 1 - ()
		CONTACT PERSON	FAX NO. ()
REQ./INDEX NO. 45407	BID NOTICE DATE October 5, 2020	CONTRACTOR'S E-MAIL ADDRESS	

SELECT YOUR PREFERRED METHOD OF RECEIVING PURCHASE ORDERS AND ENTER THE E-MAIL OR FAX NUMBER INFORMATION (ONLY SELECT ONE METHOD)

E-Mail Fax

In addition to the standard terms for payment, the payment terms for state agency(ies) will be 2%, 10 Days, Net 30 Days unless otherwise stated in the following space. If no discount is offered, bidder should circle "Net 30 Days". _____%, _____ Days, Net 30 Days

BILL TO: Ohio Dept. of Natural Resources Division of Parks and Watercraft 2045 Morse Road Bldg C-4 Columbus, OH 43229	SHIP TO: Ohio Dept. of Natural Resources Burr Oak State Park; Lake Alma State Park; Portage Lakes State Park; DELIVERY LOCATIONS AS SPECIFIED HEREIN
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DELIVERY REQUESTED F.O.B./DEST. P.P.D. 65 Days A.R.O. (After Receipt of Order)	DELIVERY OFFERED (IF DIFFERENT) F.O.B./DEST. P.P.D. _____
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THE DEPARTMENT OF ADMINISTRATIVE SERVICES, OFFICE OF PROCUREMENT SERVICES IS SOLICITING BIDS FOR:

ADA Compliant Kayak Docks for Ohio State Parks: Burr Oak, Pike Lake, Scioto Trail, Shawnee, and Tar Hollow

QUANTITY AND DURATION: This Invitation to Bid, which is not a contract, is considered to be a one-time procurement offer for the product(s)/service(s) as listed herein. The successful Contractor may commence performance of the awarded contract upon receipt of an official State of Ohio Purchase Order (ADM0523/ORDE). Upon completion of the contract and upon receipt of proper invoices, payment will be provided by the ordering agency. The contract will then be considered as complete and no further purchases may be placed against the contract. With the exception of approved overrun/underrun tolerances, any deviations from the quantity listed in the awarded contract shall not be permissible nor acceptable.

[INSTRUCTIONS TO BIDDERS](#) and [STANDARD TERMS AND CONDITIONS](#), Revised 05/15/2020, are a part of this Invitation to Bid. Copies may be downloaded by clicking the link above. All prior versions of Instructions to Bidders, Contract Terms and Conditions are null and void.

Contract Components. Once awarded, the Contract will consist of: the complete Invitation to Bid, including the Instructions to Bidders, the Standard Contract Terms and Conditions, any Special Contract Terms and Conditions, the bid specifications and any written addenda or amendments to the Invitation to Bid or Contract; the completed competitive sealed bid, including proper modifications, clarifications and samples; and applicable, valid State of Ohio purchase orders or other ordering documents ("Contract").

INQUIRIES: All inquiries should be submitted a minimum of five (5) working days prior to the bid opening date through the Procurement website, <http://procure.ohio.gov/>. Locate the "Quick Links" menu on the right, select "Bid Opportunities Search"; Step 1, enter the "Bid Number"; Step 2, click "Search"; Step 3, click the "Document/Bid Number." The "Submit Inquiry" button is at the bottom right of the Opportunity Detail page. Bidders will not receive a personalized e-mail response to their question, nor will they receive notification when the question is answered. Responses may be viewed by clicking the "View Q & A" button located beneath the "Submit Inquiry" button.

PRINTED/TYPED SIGNATURE	AUTHORIZED SIGNATURE (ORIGINAL SIGNATURE ONLY) (Please sign in blue ink)	DATE
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The original signed bid must be submitted to the Office of Procurement Services by 1:00 o'clock p.m. on the above listed opening date to receive consideration for award. It is requested that the bidder not sign their bid in black ink. Bidder certifies, by signature affixed to its bid, that the information provided by it in its bid including the certified statements, is accurate and complete. Bidder declares to have read and understood and agrees to be bound by all of the instructions, terms, conditions and specifications of this Invitation to Bid and agrees to fulfill the requirements of any awarded contract at the prices bid.

CERTIFICATION STATEMENTS

Bidders claiming preference for Domestic Source End Products, the Ohio preference, and/or the Veteran Friendly Business Enterprise (VBE) must complete the following information. **Any bidder who intentionally submits false or misleading information in an attempt to receive a bid preference will be immediately disqualified and may be subject to legal action up to and including debarment.** The state reserves the right to clarify any information during the evaluation process.

*****BIDDERS MUST COMPLETE THE APPROPRIATE CERTIFICATION BELOW TO RECEIVE THE PREFERENCE.*****

A. DOMESTIC PREFERENCE (BUY AMERICAN): Revised Code 125:11 and Administrative Code 123:5-1(K)
[Not applicable to "[Excepted Products](#)"]

1. Where is each product/services being offered mined, raised, grown, produced or manufactured?
 United States: _____(State) Canada Mexico (Go to B-1)
 Other: (Specify Country) _____ (Go to A-2)
2. End product is manufactured outside the United States and at least 50% of the cost of its components are produced, mined, raised, grown or manufactured within the United States. The cost of components may include transportation costs to the place of manufacture and, in the case of components of foreign origin, duty whether or not a duty free entry certificate is issued. Yes (Go to Section B-1) No (Go to Section A-3)
3. The Bidder hereby certifies that each end product, except the products listed below, is a domestic source end product as defined in the Buy American Act and that components of unknown origin have been considered to have been mined, produced, grown or manufactured outside the United States.

_____ (Item) _____ (Country of Origin)

_____ (Item) _____ (Country of Origin)

B. OHIO PREFERENCE (BUY OHIO): Revised Code 125:09 and Administrative Code 123:5-1-06

1. The products/services being offered are raised, grown, produced, mined or manufactured in Ohio.
 Yes No (Go to B-2)
2. Bidder has significant economic presence within the state of Ohio. Yes (Answer a, b, c, d below) No (Go to B-3)
 - a) Bidder has paid the required taxes due the state of Ohio Yes No
 - b) Bidder is registered with the Ohio Secretary of State
 Yes (Charter/Registration No.: _____) No
Questions regarding registration should be directed to (614) 466-3910 or visit their web site at:
<http://sos.state.oh.us/>
 - c) Bidder has ten or more employees based in Ohio or border state. Yes No (Go to B-2d)
 - d) Bidder has seventy-five percent or more employees based in Ohio or border state. Yes No (Go to B-3)
3. Border state bidder:
 Yes (Specify which state then go to B-2c): KY MI NY PA IN No (Go to B-4)
4. Border state bidder: mined products mined in respective border state Yes No Not Applicable

C. VETERANS PREFERENCE (BUY VETERAN): Revised Code 9.318 and Administrative Code 123:5-1-16

Is the bidder a certified Veteran Friendly Business Enterprise as defined in Administrative Code 123:5-1-01(KK)
 Yes No

BID PRICE SCHEDULE:

Bidders shall not insert a unit cost more than 3 digits after the decimal point. Digit(s) beyond 3, after the decimal point, shall be dropped by the Office of Procurement Services (OPS) and not used in evaluation and any subsequent order.

BID ITEM NO.	QTY.	DESCRIPTION	MANUFACTURER AND PART NUMBER OFFERED	UNIT PRICE
1	1	ADA Compliant Accessible Kayak Launch Dock Systems for Burr Oak State Park		\$
2	1	ADA Compliant Accessible Kayak Launch Dock Systems for Pike Lake State Park		\$
3	1	ADA Compliant Accessible Kayak Launch Dock Systems for Scioto Trail State Park		\$
4	1	ADA Compliant Accessible Kayak Launch Dock Systems for Shawnee State Park		\$
5	1	ADA Compliant Accessible Kayak Launch Dock Systems for Tar Hollow State Park		\$

All costs and/or prices must be in U.S. Dollars.
The state of Ohio (the State) will not be responsible for any costs not identified.
There will be no additional reimbursement for travel or other related expenses.

MANUFACTURER IDENTIFICATION OF COMMODITY: All bidders are to indicate in the spaces below the manufacturer's name, part number, model, brand or style number for product bid. Failure to comply with this stipulation may result in the bidder being deemed as not responsive

Manufacturer: _____

Part No.: _____

Model: _____

Brand and/or Style: _____

Standard Warranty: _____

Contains recycled materials - Y/N: _____, if Yes, _____%.

SPECIAL CONTRACT TERMS AND CONDITIONS

AMENDMENTS TO CONTRACT TERMS AND CONDITIONS: The following Amendments to the Contract Terms and Conditions do hereby become a part hereof. In the event that an amendment conflicts with the Contract Terms and Conditions, the Amendment will prevail.

DESCRIPTIVE LITERATURE: The Bidder may be required to submit descriptive literature of the supplies or services being offered. If requested, the literature will be used in the evaluation process to determine the lowest responsive and responsible bidder. If not provided as part of the bid response, the Bidder must provide said literature within five (5) calendar days after request/notification by the Office of Procurement Services to do so. Any references, that may appear in the descriptive literature, that may alter the terms and conditions and specifications of the bid (e.g. F.O.B. Shipping Point or Prices Subject to Change), will not be part of any contract and will be disregarded by the state of Ohio. Manufacturer's drawings may be requested as part of descriptive literature. Failure of the bidder to furnish descriptive literature either as part of their bid response or within the time specified herein will deem the bidder not responsive.

SITE VISIT: Prior to submitting their bid response, the bidder should visit the agency(ies) they are bidding in order to survey the location and to become familiar with the requirements of the bid. The bidder must contact the agency to schedule an appointment. To schedule an appointment, please contact Phil Miller at (614) 265-6977. Once a contract is awarded, failure of the bidder to have requested a site visit to become familiar with the location and requirements of the bid will be insufficient reason to support any request to be released from the Contract.

The following are delivery addresses and phone numbers for the state parks that will receive the kayak docks:

- I. Burr Oak State Park: 10220 Burr Oak Lodge Road Glouster, Ohio 45732 (740) 767-3570;
- II. Pike Lake State Park: 1847 Pike Lake Rd. Bainbridge, OH 45612 (740) 493-1564;
- III. Scioto Trail State Park: 144 Lake Road Chillicothe, Ohio 45601 Contact Tar Hollow Park Office: (740) 887-4818;
- IV. Shawnee State Park: 4404 State Route 125 Portsmouth, Ohio 45663 (740) 858-6652;
- V. Tar Hollow State Park: 16396 Tar Hollow Road Laurelville, Ohio 43135 (740) 887-4818

EVALUATION: Bids will be evaluated in accordance with Article I-17 of the "Instructions to Bidders". In addition, the State will review the submitted information and descriptive literature to confirm that the items bid meet the requirements in the Specifications. The Unit Price of line Item No. 1 in the Bid Price Schedule will determine the lowest cost.

CONTRACT AWARD: The contract will be awarded to the lowest responsive and responsible bidder by low lot total. Low lot total will be determined by multiplying the unit cost by the quantity listed in the bid and then adding each of the totals together to arrive at a total for all items. Failure to bid all items may result in the bidder being deemed not responsive.

AUTHORIZED DEALER: Bidders responding to this Invitation to Bid (ITB) will be authorized dealers for/or the manufacturers of the products they are offering. Bidders should submit, with the bid, certification attesting to the fact that they are authorized dealers for/or the manufacturer(s). This certification is to be on manufacturer's letterhead, signed by a duly authorized representative of the manufacturer. If not submitted with the bid, Bidders will have three (3) calendar days after request to provide said certification. Failure to submit certification as requested may result in the bidder being deemed as not responsive, and their bid may be disqualified.

DELIVERY AND ACCEPTANCE: Supplies will be delivered to the participating agency within 60 (sixty) days after receipt of order. The delivery location will be noted on the purchase order issued by the participating agency. Acceptance (transfer of title) will occur upon the inspection and written confirmation by the ordering agency that the supplies delivered conform to the requirements set forth in the Contract. Unless otherwise provided in the Contract, acceptance shall be conclusive except as regards to latent defects, fraud, or such gross mistakes as amount to fraud.

SPECIAL CONTRACT TERMS AND CONDITIONS (CONTINUED)

DATA SHEET: Shown below are the Specifications and Requirements for equipment that the state desires to purchase. These specifications are only considered as necessary to establish functional requirements. Proprietary design, exact dimensions, capacities, or restrictive features will not preclude acceptance of other recognized alternates meeting comparable performance requirements as determined by the Director, Department of Administrative Services, in conjunction with ODNR. Bidder signifies compliance or non-compliance with specifications, i.e., how the Bidder meet the criteria set forth in this ITB, by listing and outlining all deviations from specifications on company letterhead and returning it with the bid. Failure to comply may deem the bid not responsive.

Bid Automobile Liability Checklist:

Contractor will indicate, by checking the appropriate box(es) below, which mode of transportation will apply to this contract.

- Bidder/Broker ("The Contractor") or their Sub Contractor will make delivery or be performing services using a vehicle that is owned, leased or rented. Provide Certificate of Insurance documenting automobile liability with a Combined Single Limit of \$500,000.00.
- Goods/Services will be delivered via common carrier.
- No employee or representative of the contractor will have cause to be on state property to make deliveries or to perform services.

SPECIFICATIONS AND REQUIREMENTS:ACCESSIBLE KAYAK LAUNCH CRITERIA SPECIFICATIONS
FOR OHIO STATE PARKS, AS SPECIFIED HEREINPART 1 GENERAL

1.01 GENERAL REQUIREMENTS

The requirements stated in these Specifications shall apply to all work in this Section.

1.02 DESCRIPTION OF WORK

This item shall consist of furnishing all labor, equipment, and materials necessary to construct and deliver Accessible Kayak Launch Dock Systems (Kayak Dock Systems) as shown on the attachments and specified herein.

- A. This item shall consist of furnishing all labor, equipment, and materials necessary to design, construct, assemble, and deliver Kayak Dock Systems as shown on the attachments and specified herein. Note: Labor to install dock systems at all State Park locations, below, will be performed by the ODNR personnel.
- B. Description: The Contractor shall be fully responsible for the designing, furnishing, and delivering of the complete and fully functional new Kayak Dock Systems, in accordance with the Specifications and Requirements, herein. The completed and ready to assemble Kayak Dock Systems, as called for in these Specifications and Requirements, shall be delivered to the Ohio State Park locations specified, below. The Kayak Dock Systems shall be fully assembled to the maximum extent possible prior to being transported to the project site to avoid impacting park activities.
 1. Additional Details:
 - a. Tar Hollow: Dimensions: 8'X20'; attach - hook to existing dock;
 - b. Scioto Trail: Dimensions: 8'X30'; attach to bank.
- C. The Contractor is responsible to coordinate and pay for the shipping of the Kayak Dock Systems. The Contractor shall coordinate the delivery time and exact location with ODNR two (2) weeks in advance, to ensure ODNR resources are available for unloading. The Contractor will be provided an area to unload the floating dock system and appurtenances at the Ohio state park Delivery Locations specified, below:
 1. Burr Oak State Park: 10220 Burr Oak Lodge Road Glouster, Ohio 45732 (740) 767-3570;
 2. Pike Lake State Park: 1847 Pike Lake Rd. Bainbridge, OH 45612 (740) 493-1564;
 3. Scioto Trail State Park: 144 Lake Road Chillicothe, Ohio 45601 Contact Tar Hollow Park Office: (740) 887-4818;
 4. Shawnee State Park: 4404 State Route 125 Portsmouth, Ohio 45663 (740) 858-6652;
 5. Tar Hollow State Park: 16396 Tar Hollow Road Laurelville, Ohio 43135 (740) 887-4818

The Contractor will also supervise the unloading to ensure safety and prevent damage. The Contractor is responsible to repair and/or replace any of above items damaged during the shipping, unloading, and/or storage to the satisfaction of ODNR.

Attachments C, D, and Exhibits 1 through 5 show pictures, sketches, and sample parts lists to assist in the Bidder's understanding of the desired Kayak Dock Systems. These attachments and exhibits are to support the general descriptions and scope herein and are not intended as specification information; These attachments and exhibits are for reference (example) only.

SPECIFICATIONS AND REQUIREMENTS (CONTINUED):

- 1.03 DOCK MANUFACTURER. The dock manufacture to be performed in accordance with these specifications shall be accomplished by one firm, corporation, or vendor, qualified by actual consistent dock manufacturer experience. If the contractor does not qualify for this type of work, the contractor shall subcontract this work to a firm, corporation, or contractor, which does qualify.
- A. Responsibility: In addition to section I-21 of the Instructions, Terms and Conditions for Bidding, upon request by OPS, Bidder shall promptly submit any requested information, which will assist the State in evaluating the bidder's and/or manufacturer's responsibility, e.g., Attachment B. Responsibility is a requirement of both Bidder and dock manufacturer.
 - B. Experience: The floating dock manufacturer shall have completed three (3) projects over the last five (5) years which included docks of similar size to those called for on this project. Bidder is required to submit documentation showing three (3) prior similar projects of the dock manufacturer with the bid submittal, including the Attachment A, Bidder Prior Projects and References. If documentation is not provided with bid submittal bidder will have three (3) business days to submit required documentation from the date of request from DAS Office of Procurement Services. Failure to submit required documentation may deem the bid not responsive and no further consideration will be given.
 - C. The Kayak Dock Systems shall be fabricated under controlled conditions.
 - D. The dock manufacturer shall have a written quality assurance (QA) program, which covers all aspects of components and final assemblies, furnished on this project.
 - E. All welding shall be done by certified welders, with AWS certifications appropriate for the welds specified.
 - F. The dock shall be designed by a registered professional engineer with at least three (3) years of experience in floating dock and anchorage design using the criteria set forth below in the project specifications. Upon request by the State, a bidder shall promptly submit any requested information, which will assist the State in evaluating experience or qualifications of the professional engineer. If documentation is not provided with bid submittal bidder will have three (3) business days to submit required documentation from the date of request from DAS Office of Procurement Services. Failure to submit required documentation may deem the bid not responsive and no further consideration may be given.
- 1.04 APPLICABLE STANDARDS
- A. Applicable standards for design and construction shall be the latest edition of the following, as applicable:
 - 1. American Institute of Steel Construction (AISC), Manual of Steel Construction.
 - 2. American Welding Society (AWS) Structural Welding-Code Steel.
 - 3. American Welding Society (AWS) Guide for the Nondestructive Inspection of Welds.
 - 4. American Society of Testing Materials (ASTM)
 - 5. The Aluminum Association, Inc. Design Standards.
 - 6. American Wood Preservers Association (AWPA)
 - 7. American Society of Civil Engineers, Manual 50 - Planning and Design for Small Craft Harbors, Revised Edition, 2000.
 - 8. American Iron and Steel Institute, Light Gauge Cold - Formed Structural Steel Members Design Manual.

SPECIFICATIONS AND REQUIREMENTS (CONTINUED):

1.05 SHOP DRAWINGS AND OTHER SUBMITTALS

- A. Shop drawings showing complete fabrication and assembly details shall be submitted for approval before the production of docks begins.
- B. Shop drawings and submittals shall contain, at a minimum, the following information:
 - 1. Technical product data for all major components.
 - 2. Installation and removal instructions.
 - 3. Layout and fabrication drawings for all structural units and bridges.
 - 4. Complete details for flotation for each dock unit.
 - 5. Complete fabrication details for the anchorage system for floating docks.
 - 6. Decking layout.
 - 7. Details of all connections between dock units and bridges.
 - 8. Complete calculations showing adequacy of design.
 - 9. Dock section-lifting frame.
 - 10. Anchor spud puller.
 - 11. Listing of spare hardware being provided by 3.07.
- C. All drawings shall utilize standard A.W.S. symbols. Bolt diameter, lengths and strength shall be shown.
- D. Submit 1 draft copies of the maintenance, operating and winterization manual along with a copy of the extended warranty with the shop drawings.

1.06 CALCULATIONS

- A. Calculations shall be provided for a minimum of the following:
 - 1. Flotation loads.
 - 2. Freeboards.
 - 3. Anchorage design and loadings.
 - 4. Structural frame design for applied loads.
 - 5. Adequacy of all weld design and bolt sizes and strengths.

SPECIFICATIONS AND REQUIREMENTS (CONTINUED):

6. Strength adequacy of connectors.
7. Strength adequacy of pile guides and their attachment to structural frame for carrying design loads.
8. Bridge deflection loads and handrail adequacy.
9. Dock section-lifting frame.
10. Extendible lifting boom.
11. Portable lifting hoist.

1.07 QUALITY ASSURANCE

- A. Copies of forms are to be provided by the dock manufacturer which show that their QA program will be carried out.
- B. Certifications for welders who will be doing welds in the QA program with the shop drawing submittals. Copies of the certifications will be provided upon request by the State. If documentation is not provided with bid submittal bidder will have three (3) business days to submit required documentation from the date of request from DAS Office of Procurement Services. Failure to submit required documentation may deem the bid not responsive and no further consideration will be given.

1.08 MAINTENANCE MANUAL

- A. Before final acceptance of the floating dock system, the dock manufacturer shall provide 3 final copies of a bound maintenance manual and electronic file in PDF format, which shall include "as built" shop drawings, maintenance data, parts lists, cut sheets, etc. The manual shall include recommendations for winterization of docks and utility services along with a written warranty.

SPECIFICATIONS AND REQUIREMENTS (CONTINUED):

1.09 DESIGN CRITERIA

A. GENERAL DESIGN CRITERIA

1. Include documentation design features and how ADA dock(s) and gangway(s) meet and exceed the design minimum requirements of the Americans with Disabilities Act.
2. All components of the system must be independently usable by people with or without disabilities.
3. Floating dock with integrated launch port system 4" below dock deck to position vessel at seated transfer/boarding height & provide proper foot positioning to maintain sitting balance during boarding.
4. Sitting transfer/boarding system to position user over center of vessel, constructed of marine grade aluminum and non-abrasive surfaces, with all rounded edges.
5. Multiple means of transfer/boarding grab bar assistance both round and square, constructed of anodized aluminum, with non-slip grip-able surfaces, strategically placed to facilitate transfer/boarding/exiting.
6. Dry vessel entry/exit for user.
7. Vessel hull stabilization system on launch port.
8. Launch port surface features that reduce pounds of force required to move vessel off port into water and back onto the port from the water.
9. Vessel stabilization/positioning/launching pull railing system extending over water beyond launch port far enough for the majority of the vessel to have exited the port & float.
10. User instructional signage in multiple formats including large print, high contrast printed word and photos viewable from both dock and water side.
11. Universally accessible gangway dock to shore connection system.

B. TECHNICAL CRITERIA SPECIFICATIONS

The launch must be a universally accessible kayak and canoe launch system comprised of the following system components and universally accessible design features which meet and/or exceed the requirements of the ADA.

1. Floating Dock and Port Specifications with edge protection
 - a. The dock structure, as a whole, shall consist of the individual sections providing greater than a minimum of 60" clear dock deck space at the rear and both sides of the accessible transfer/boarding bench. Larger dock configurations increase the accessible clear space and enhance ease of use by multiple/all users. Sections can be coupled together in the specific configuration desired by the purchaser and requirements set by ADA regulations. Any material used in the dock structure shall provide for resistance to rust, corrosion, and the effects of any fuel or gasoline. All material designed and selected for marine environment and the conditions there of.
 - b. The dock structure shall act as one unit when assembled, so that wave and/or wind action shall produce a minimum amount of motion. The structure shall be secured with either; piling spuds, bottom anchors, or stiff arms. The securing shall allow the structure to rise and fall freely with any water level changes and allow the structure to span waves from crest to crest, while providing a stable walking surface.
 - c. The individual dock section shall consist of decking surface and the float structure, which are to be constructed as a single, integrated component. Each section shall provide for the support of the dead load plus a specified live load of 62.5 pounds per square foot (lb/ft²). This shall be accomplished without the use of foam for either structural integrity or floatation.
 - d. If docks contain pylons, each pylon shall support the dead load plus a live load of 55 pounds (lb). The volume of each pylon shall be no less than 1540 cubic inches (in³).

SPECIFICATIONS AND REQUIREMENTS (CONTINUED):

- e. All deck edges to be equipped with perimeter edge protection/curbing as required for ADA access requirements. This will prevent inadvertent step/roll off.
- f. The individual dock sections shall be constructed of the following materials with the following general properties:
 - 1) Premium Compounded Material Virgin Polymer, Thermoplastic, Rotational Molding Grade Linear Low Density Polyethylene-(LLDPE)
 - 2) All components to be processed from an ISO 14001 and ISO 9001 facility.
 - 3) An ultraviolet inhibitor system (UV-16) or better spectrometer specification.
 - 4) The density of the section shall be approximately .932 grams per cubic centimeter (g/cm^3) or .0338 pounds per cubic inch (lbs/in^3), per ASTM 792-00.
 - 5) The dock section shall have a cold brittleness temperature equal to, or less than, -130° Fahrenheit (F), per ASTM D-746.
- g. The properties of the exterior wall thickness of the dock sections shall be as follows:
 - 1) The mean exterior material thickness shall be no less than .310 inches (in).
 - 2) The corners shall be no less than .650 inches (in).
 - 3) The exterior edge thickness shall be no less than 0.50 inches (in) at any particular point.
 - 4) The walls of the dock sections shall resist a shear of no less than 1900 pounds per square inch (lb/in^2), per ASTM D-732, as well as having the capability of resisting a mean minimum impact of no less than 207 foot pounds (ft-lb), per ASTM D5420.
 - 5) The tensile strength at average failure shall be no less than 2550 pounds per square inch (lb/in^2) with 14% elongation at yield, per ASTM D-638-03.
- h. The decking surface shall be composed of a textured or "orange peel" surface with a grid pattern for added adhesion during dry conditions. Drainage of the decking surface shall be accomplished through the use of troughs, which shall have a width of no more than 0.5 inches (in) and a depth of no more than 0.5 inches (in). The drainage troughs shall extend over the width of the dock and shall be positioned at intervals of no less than 4.5 inches (in) and no greater than 6.5 inches (in) over the entire length of the deck.
- i. The deck shall have an approximate coefficient of friction equal to 0.35 during dry conditions and 0.61 during wet conditions. The decking surface is 37% less slick when wet than when dry per ASTM D2394.
 - 1) The properties of the decking surface shall be as follows:
 - 2) The mean deck thickness shall be no less than 0.315 inches (in).
 - 3) The deck thickness shall be no less than 0.290 inches (in) at any particular point.
 - 4) The deck shall resist a punching shear which is no less than 1900 pounds per square inch (lb/in^2), per ASTM D-732.
 - 5) The deck shall resist a minimum impact of no less than 120 foot pounds (ft-lb) near the center, or at the point where the deck is thinnest, per ASTM D-3029.
 - 6) The deck shall resist a minimum impact of no less than 150 foot pounds (ft-lb) within 16 inches (in) of the outside of the dock, per ASTM D-3029.

SPECIFICATIONS AND REQUIREMENTS (CONTINUED):

- j. Each dock section shall have molded-in female-type pockets spaced symmetrically along the top and bottom edges, around the entire perimeter of the dock section. These pockets shall be spaced at 19.5 inch (in) intervals, center line to center line, from each other or must be an approved equal as evaluated and approved by owner.
 - 1) The molded-in female-type pockets shall accept a male-type coupler which shall be secured into the female pocket with the use of a 0.5 inch (in) X 13 inch (in) coupler bolt and nut.
 - 2) The purpose of such connections is to provide for simple assembly and disassembly, as well as providing for the securing of one section to another. The connection will also provide for the ability to attach dock accessories to the dock sections.
 - 3) Each connection point shall allow for some slippage in the event that an extreme stress is applied. This slippage will allow for disconnection without causing damage either to the male-type couplers or the female-type pockets.
 - 4) The dock sections shall be connected at increments of 19.5 inches (in), in relation to each other. These connections may be made from any one side of any dock section to any other side of another dock section. These connections may also be used to connect dock sections of differing dimensions and shall provide for ease of assembly, whether the sections are to be assembled on land or in the water.
 - 5) The male-type coupler shall be constructed of recycled post/pre-consumer recycled tire rubber.
 - 6) Each male-type coupler shall withstand a pullout force of no less than 2500 pounds (lb.) before failure of coupler occurs.
 - 7) Each of the molded in female connection pockets shall provide for a pullout strength of no less than 3500 pounds (lb.), before damage is caused to the dock section.
 - 8) The accessories shall be connected to the dock system through the use of molded in coupler pockets around the perimeter of the dock sections by the use of either male or female type half-couplers. The male-type half-coupler (hardware connector, PN # S21140SS) shall have a 3.625 inch "T"-bolt embedded within it. The female type half-coupler (hardware connector, PN # S21141SS) shall have a 3.625 inch "T"-nut embedded within it. Both types of half-coupler shall withstand a pullout force of no less than 2600 pounds (lb.) before failure occurs.
 - k. The dock system shall be designed to allow for the use of piling of various sizes, spud pipes, cables, or chains attached to a bottom anchor, or stiff-arm attachments for anchorage. Calculations can be supplied at owner's request to support designed anchorage with the assumption that all collected data is accurate. Calculations, permitting, and State of Ohio licensed engineering design available at owner's expense.
 - l. The dock structure shall have the ability to accept railing which is constructed to meet the standards established by the Americans with Disabilities Act (ADA), States Organization for Boating Access (SOBA) and the National Uniform Building Code (NUBC). The railing shall be constructed of 1.5 inch (in) O. D., 14 gauge steel tubing. The steel tubing shall be finished either by a 0.003 inch (in) Hot-Dip Galvanizing or by powder coating painting process.
2. Roller Assisted Launch Ports
- a. Constructed from the exact same materials and specifications as the dock sections, see section 1.
 - b. The ports to have a lower freeboard of approximately 4" below the top walking surface of the floating dock section. This allows the ports to be at an appropriate lower height to position vessels at board-able heights and provides accessible foot rest height and space to facilitate stable sitting balance during use of the accessible slide board component. The attached launch ports and floating dock sections adjust to changing water levels together, maintaining system stability and accessible height differentials between the two system components.

SPECIFICATIONS AND REQUIREMENTS (CONTINUED):

- c. As options, there are several different port options, entry sections and extension sections to allow for drive through configurations and single entry exits configurations.
 - d. Ports to be equipped with hand pull guide railings constructed from marine grade 6063 T6 marine grade aluminum of 1-1/2" round aluminum pull railings to assist users to move the vessel on to and off the launch ports into the water. The pull railings are positioned on each side of the launch ports, are spaced within accessible reach ranges; no greater than 21" from the center of launch port and extend a minimum of 92" beyond the launch port end out over the water. This rail extension beyond the launch port surface, guides vessels into position for entry/exit and provides a protected space where users can stabilize their vessel before entering open water. The pull railings also guide vessels into the proper entry/exit position on the launch port when moving vessels into position on the port launch.
 - e. Launch ports to be equipped with hull rollers are angled to form a cradle that stabilizes most hull designs during vessel boarding and launch port entry and exit, and the roller system reduces the pounds of force required to move a vessel into and out of the water enhancing accessibility and ease of use.
 - f. Launch ports equipped with hand pull guide rails and rolls create an elongated watercraft receiving cradle that provides rollability and stability to the watercraft allowing for ease of boarding, launching, entry and exiting.
3. Accessible sliding transfer bench system
- a. The dock system is equipped with at least one accessible transfer boarding bench positioned adjacent to the launch ports. Transfer boarding bench to be installed mounted to the dock sections with adjustable legs. This adjustability allows the bench to adjust vertically to accommodate variable boarding heights. Bench to be positioned such that the intergraded sliding transfer bench boards are overhanging the perimeter of the dock sections such that the sliding bench boards will extend out over and span the width of the launching ports and is supported on the lower rail on the launch port sign post. Hence, a boater can sit on the far end of the bench and be positioned over the watercraft. The boater can then use the bench transfer grab bar system to help lower him/her in the watercraft.
 - b. The transfer bench to be constructed from marine grade aluminum and custom aluminum extrusions. The bench is to include two levels of sit-able/transferable heights with a max difference of 4" change between levels. Both of these surfaces are to be covered with marine hardy board material with aluminum 1-1/2" grasp rails around the perimeter with slip resistant coatings.
 - c. The transfer bench body to house/store at least one sliding board transfer seats with easy to use full sized hand pull out straps provide stable seating/positioning centered over the vessel for both canoe & kayak height entry transfer assistance provided by 1-1/2" aluminum grab bar/hand rails with non-slip grip-able surface on all edges of the transfer bench.
 - d. All bench surfaces are smooth and non-abrasive with rounded edges.
4. Transfer assistance grab bar system
- a. The docking/launch system to be equipped with a transfer assistance grab bar system strategically mounted on the launch ports opposite the transfer bench to function as a sliding transfer bench support rail and to provide a variety of transfer assistance options for non-slip hand hold and arm rest options while transferring to/from or positioning over the watercraft.

SPECIFICATIONS AND REQUIREMENTS (CONTINUED):

- b. The transfer assistance grab bar system to be constructed from marine grade aluminum with a combination of round and square structural material. All edges to be smooth and covered with a non-slip surface.
- 5. User instruction signage
 - a. User instruction are provided including high contrast large print written words and color photographs to show the proper usage of the complete system
 - b. Instructional sign to be two sided and viewable from the dock side as well as the water side.
 - c. Signage can be mounted above the transfer assistance grab bar system.

1.10 ACCEPTANCE

In addition to Delivery and Acceptance, of the Special Contract Terms and Conditions, acceptance of the floating dock system shall be a date agreed upon by the dock manufacturer and ODNR. This date shall be after completion of all punch list items and a final inspection covering the floating dock system.

1.11 EXTENDED WRITTEN WARRANTY

The dock manufacturer shall furnish ODNR with a manufacturer's extended written warranty covering repair of any defects or damages, which may develop within 5 years from date of completion and acceptance of work performed under this contract, provided said defects or damages, in the judgment of ODNR, are caused by inadequate design of the floating dock systems for the conditions as specified or can be responsibly expected and providing ODNR operates the facility in accordance with acceptable procedures. If the defects and/or damages are not repairable, the defective or damaged portion shall be replaced to its original condition. This warranty covers all labor, material and shipping and handling costs used in the construction of the docks, but excludes deterioration due to the normal aging and weathering process of the wood and metal parts.

1.12 MEASUREMENT AND PAYMENT

- A. Work performed under this section shall be measured in the unit quantities as shown on the bid schedule.
- B. Payment for work performed under this section shall be made at the appropriate contract unit prices as shown on the price schedule.

SPECIFICATIONS AND REQUIREMENTS (CONTINUED):PART 2 MATERIALS (AS APPLICABLE)

2.01 STRUCTURAL STEEL

- A. All steel members of the structural frame shall be ASTM A-36 or stronger, with minimum material thickness of 3/16" for hot-rolled or cold-formed shapes.
- B. All steel members shall be hot dip galvanized after fabrication in accordance with ASTM A-123. All bolt holes, slots, etc. shall be drilled prior to galvanizing. Welding after galvanizing shall not be permitted.

2.02 STRUCTURAL ALUMINUM

All aluminum members of the structural frame, which directly connect the dock to the shore, shall be ASTM 6061 T-6 or equal, with minimum material thickness of 5/16 inch.

2.03 WOOD DECKING AND RUB RAILS

- A. Wood members shall be IPE Brazilian hardwood or approved equal.
- B. All wood decking shall be 2x8 or 2x6 wood planks with a consistent minimum thickness of 1.5", laid with the long axis of docks with a maximum span of 2 feet. Decking and rub rails shall not have any loose knots, wane or sap build-up showing.
- C. All lumber shall be air dried after treatment to a moisture content, which will result in a minimal amount of shrinkage after fabrication.

2.04 RIGID CONNECTIONS

Fastening of metal structural members to each other shall be a combination of bolts and welds. Bolted connections shall conform to standard AISC specifications with I lock washers or lock nuts. Welds shall be executed in accordance with the provisions of the American Welding Society specifications. All fasteners shall be stainless steel, hot dipped galvanized or cadmium plated with adequate coating thickness so that the fasteners will not show rust during the warranty period.

2.05 FLOTATION

- A. Flotation material shall be expanded-in-place polystyrene, with a minimum density of 0.9 pounds per cubic foot and water absorption of less than 3.0 pounds per cubic foot at seven days when tested by the "Hunt Absorption Test".
- B. Flotation encasement shall be high, medium or linear low density polyethylene, black in color, with no regrind material, totally watertight, and with the following properties:
 - 1. - minimum thickness: 0.150 inches (unless listed otherwise on the drawings)
 - 2. - minimum density: 0.939 grams per cubic centimeter
 - 3. - minimum ultimate tensile strength: 2600 pounds per square inch (ASTM D-638)
 - 4. - minimum flexural modulus: 97,000 pounds per square inch (ASTM D-790)

SPECIFICATIONS AND REQUIREMENTS (CONTINUED):

2.06 DOCK ACCESSORIES

- A. Dock cleats shall be cast malleable or gray iron and galvanized as manufactured by Peerless or approved equal. Bolts shall be A-325 minimum strength.
- B. Bumpers/rub strips shall be black vinyl or resilient rubber continuous along both sides and the free end of the finger dock and wherever else a boat will come in contact with the dock.

2.06 DOCK ANCHORAGE

Anchorage system(s) designed by the dock manufacturer shall utilize materials similar to those in dock construction and shall be approved by ODNR prior to fabrication.

2.07 BRIDGES

Structural members of bridges and all posts, railings, toe plates, etc. shall be of the same type metal and finish.

SPECIFICATIONS AND REQUIREMENTS (CONTINUED):PART 3 EXECUTION

3.01 GENERAL

- A. All floating docks and bridges shall be fabricated, from approved shop drawings, in the dock manufacturer's plant and be complete, with flotation, so that they can be lifted off the truck directly into the water at the project site.
- B. Field fabrication of individual components will not be allowed, with the exception of connecting assembled units together or placement of the anchorage system(s).

3.02 DOCK SUBSTRUCTURE

- A. Modifications to structural frame for anchorage system, attachments, etc. shall be factory fabricated prior to dock assembly and galvanized.
- B. All dock and bridge units shall have 4 lifting rings attached directly to the structural frame at approximately quarter points for lifting units into and out of the water.
- C. A suitable lifting frame shall be supplied and shipped first or with the first shipment of docks delivered to the site and shall remain the property of ODNR. Lifting frames shall be designed to provide vertical lifts for all dock sections and shall include a complete set of chains with snap hooks.
- D. The contractor shall use the lifting frame to unload the dock sections and to place the docks into the water.
- E. All structural steel frames shall be hot-dip galvanized as per Section 2.01 B after being completely assembled and all welds, drilled holes, etc. are performed.

3.03 FLOTATION

- A. Individual flotation units shall be attached directly to the structural frame, using a minimum 3/8" bolt, washer and nut fastener which have a life expectancy as long as the flotation unit itself. Fasteners are all not permitted to penetrate float encasements under any circumstances. All mounting slots of float must be bolted to the frame if dock is exposed to wave action, otherwise at least four mounting slots must be used to mount float.
- B. Both sides and ends of float must be supported by the dock frame. Minimum frame support of float drum must be every 48" by 48" or 16 square feet.
- C. Flotation units shall be attached in such a manner as to allow easy removal or replacement of damaged units.
- D. Flotation shall be designed and protected so that no damage occurs during shipping, handling, or under normal use. Docks, which arrive on the job site with damaged flotation units, shall have floats replaced at no cost to the State (ODNR).

SPECIFICATIONS AND REQUIREMENTS (CONTINUED):

3.04 DECKING ON DOCKS

- A. Deck boards shall be laid along the long axis of docks with "best side" up and if no best side then bark side up. Factory spacing between boards shall be set at 1/8 inch. When butting deck boards offset each joint and attach to next double metal structural support.
- B. Docks 20 feet or less in length shall have single length deck boards. Docks over 20 feet long require multiple boards with offset joints. Minimum board length is 12 feet, if possible, and never less than 8 feet.
- C. Deck boards shall be attached to structural supports with self-tapping flat head screws at a maximum of 2-foot centers, 2 screws at intermediate supports and 3 screws at deck board ends and joints. Deck screws shall be zinc or cadmium plated and be driven flush with the upper surface of the decking so as to not splinter or split the board or enable water to pond in screw head. Stainless steel flat head screws shall be used with aluminum frames.
- D. Structural metal supports for deck boards shall be a minimum of 2 inches wide with double supports at all deck board splices including each offset joint location.
- E. Butted boards shall be of the same size and thickness aligning with each other and have square cut ends.
- F. At the ends of individual docks units, the deck boards shall be chamfered or rounded to about 45 degrees back between 1/8 inch and 1/4 inch.
- G. Wood rub rails shall be 2x8 boards, with single planks in runs up to 20 feet. Lengths over 20 feet shall be made up of multiple long lengths with minimum 8-foot lengths, where possible. Joints shall fall a minimum of 2 feet away from structural frame joints.

3.05 BRIDGES

- A. Floating dock bridges, unless specified as aluminum, shall be of similar construction and materials as floating docks, with the exception that flotation in bridges may be encased pre-formed billets instead of the specified flotation units.
- B. Bridge decking shall meet the requirements of dock decking as per Section 2.03 except that boards shall be at right angles to the length of the bridge and shall be supported in the middle of the span.
- C. Bridges shall have railings on both sides with a top rail at 42 inches and a mid rail at approximately 21 inches.
- D. Ends of top handrails shall run the full length of the bridge horizontally and then curve downward to the base of the bridge extending past the ends of the bridge a minimum of 1 foot. Ends shall be curved or mitered.
- E. All bridge deck floors shall be covered with a non-skid rubber mat the entire width and length of the bridge as manufactured by Koneta Industrial Products, Part #802003, Type Nyracord Counter Tred, or approved equal. The mat shall be fastened on approximately 1-foot centers with flat head or oval head screws. Provide beveled ends with a slope no greater than 2:1 on rubber matting per ADA guidelines.

3.06 CONNECTIONS

- A. Connections between docks, bridges, and shoreline abutments or dock abutments (where required) shall be made flexible as indicated on the approved shop drawings. Connections shall be made by double shear connectors at the outer edges of dock or bridge units with a maximum opening of 1½ inches.

SPECIFICATIONS AND REQUIREMENTS (CONTINUED):

- B. Structural parts of connectors shall be of the same base metal as the dock's structural frame. Bolts, lock nuts and washers shall be stainless, galvanized or cadmium plated steel.
- C. Connections shall not protrude above the level of the deck and shall present a relatively smooth top surface with no sharp edges, or upward projections. Connections may have sufficient "play" to permit them to work freely, but such "play" shall be controlled to prevent no more than 1/2 inch transverse movement. The maximum difference between the bolt diameter and hole diameter shall be 1/16 inch.
- D. When required, bridge to shore connectors shall be fabricated and then hot-dipped galvanized prior to shipping. The dock manufacturer shall supply shore connectors (especially connectors cast into concrete abutments) in a timely fashion so as not to delay other items of work.
- E. Special connections (i.e. wheeled ramps, cover plates, etc.) shall be approved by ODNR prior to manufacture of the dock(s).

3.07 DOCK ACCESSORIES (AS APPLICABLE)

- A. Dock cleats shall be bolted thru the deck boards and into the dock structural framework. Bolts shall be galvanized or cadmium plated. Cleats shall be provided where shown on the drawing.
- B. Exposed corners of floating docks shall have vertical pieces of bumper material attached the full depth of the rub rail.
- C. The dock manufacturer shall provide spare parts (amount based on 1% of total dock construction) consisting of deck screws, boat cleats, bumpers/rub strip, nuts, bolts, washers, connecting pins, or safety snap pins to ODNR prior to final acceptance of project.

3.08 DOCK ANCHORAGE SYSTEM

- A. The dock manufacturer shall provide all necessary attachment points, braces, spud slots, etc. as required by the dock anchorage system, whether existing, designed by ODNR, or designed by the dock manufacturer.
- B. If docks are to be attached to existing piles, abutments, etc., the contractor/dock manufacturer has the responsibility to coordinate the location of all attachments.

3.09 WINTERIZATION SYSTEM

Equipment, tie-off cables, connectors, and tools needed for approved winterization plans are to be provided by the contractor/dock manufacturer.

END OF SECTION

ATTACHMENT A:
BIDDER PRIOR PROJECTS AND REFERENCES

This Invitation to Bid (ITB) includes a Bidder Prior Projects and References form as Attachment A (see the form on following page). The Bidder must include a minimum of three (3) references for organizations and/or clients for whom the Bidder has successfully provided services on projects that were similar in their nature, size, and scope to the Work. These references must relate to work that was completed within the past five (5) years. Bidder must describe how the related service shows the Bidder's experience, capability and capacity to develop this Project's deliverables and/or to achieve this Project's milestones. Failure to recreate the form accurately may lead to the rejection of the Bid.

When contacted, each reference should be willing to discuss the Bidder's previous performance on projects that were similar in their nature, size, and scope to the Work.

Information obtained from Bidder Prior Projects and References form and Bidder References provided may be used to determine if bidder is responsive and/or responsible.

ATTACHMENT A (CONTINUED)
BIDDER PRIOR PROJECTS AND REFERENCES

Three (3) professional references who have received services from the Bidder in the past five (5) years

Company Name:	Contact Name:	
Address:	Phone Number:	
	E-Mail Address:	
Project Name:	Beginning Date of Project: (Month/Year)	Ending Date of Project: (Month/Year)
Description of project size, complexity and the Bidder's role in this project (use additional pages if needed).		

Company Name:	Contact Name:	
Address:	Phone Number:	
	E-Mail Address:	
Project Name:	Beginning Date of Project: (Month/Year)	Ending Date of Project: (Month/Year)
Description of project size, complexity and the Bidder's role in this project (use additional pages if needed).		

Company Name:	Contact Name:	
Address:	Phone Number:	
	E-Mail Address:	
Project Name:	Beginning Date of Project: (Month/Year)	Ending Date of Project: (Month/Year)
Description of project size, complexity and the Bidder's role in this project (use additional pages if needed).		

**ATTACHMENT B
BIDDER PERFORMANCE FORM**

The Bidder must provide the following information for this section, if requested, within five (5) calendar days after request/notification by the Office of Procurement Services. Please indicate yes or no in each column as applicable for the past seven (7) years:

Yes/No	Description
	The Bidder has had a contract terminated for default or cause. If so, the Bidder must submit full details, including the other party's name, address, and telephone number.
	The Bidder has been assessed any penalties in excess of five thousand dollars (\$5,000), including liquidated damages, under any of its existing or past contracts with any organization (including any governmental entity). If so, the Bidder must provide complete details, including the name of the other organization, the reason for the penalty, and the penalty amount for each incident.
	The Bidder was the subject of any governmental action limiting the right of the Bidder to do business with that entity or any other governmental entity.
	Has trading in the stock of the company ever been suspended? If so, provide the date(s) and explanation(s).
	The Bidder, any officer of the Bidder, or any owner of a twenty percent (20%) interest or greater in the Bidder has filed for bankruptcy, reorganization, a debt arrangement, moratorium, or any proceeding under any bankruptcy or insolvency law, or any dissolution or liquidation proceeding.
	The Bidder, any officer of the Bidder, or any owner with a twenty percent (20%) interest or greater in the Bidder has been convicted of a felony or is currently under indictment on any felony charge.

If the answer to any item above is affirmative, the Bidder must provide complete details about the matter. While an affirmative answer to any of these items will not automatically disqualify a Bidder from consideration, at the sole discretion of the State, such an answer and a review of the background details may result in a rejection of the Bidder's bid submittal. The State will make this decision based on its determination of the seriousness of the matter, the matter's possible impact on the Bidder's performance on the project, and the best interests of the State.

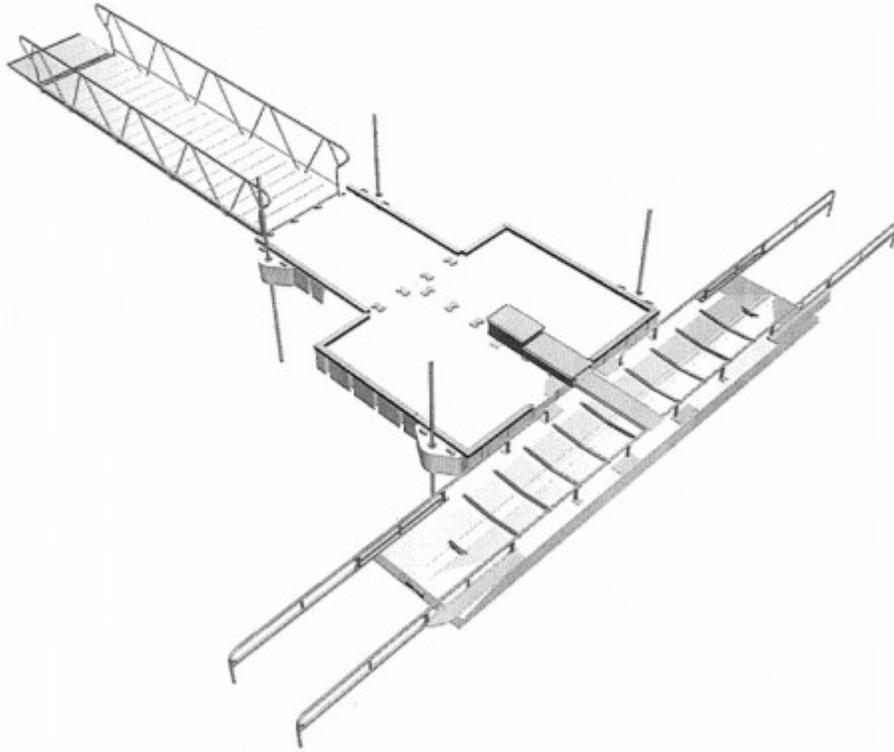
ATTACHMENT C:
FOR REFERENCE ONLY – NOT A SPECIFICATION
PICTURE (1 of 2) OF A CURRENT DOCK AT ADAMS LAKE STATE PARK



ATTACHMENT D:
FOR REFERENCE ONLY – NOT A SPECIFICATION
PICTURE (2 of 2) OF A CURRENT DOCK AT ADAMS LAKE STATE PARK



EXHIBIT 1:
FOR REFERENCE ONLY
SKETCH OF DOCK (QUOTE) FOR ADAMS LAKE STATE PARK



Approximate Dimensions:

- Three 80" x 10' Dock Sections
- 5' x 20' Aluminum gangway
- 40' wide overall
- 46' long overall

EXHIBIT 2:
FOR REFERENCE ONLY – NOT A SPECIFICATION
SAMPLE PARTS LIST FROM A PREVIOUS QUOTATION – PIKE LAKE AND SCIOTO TRAIL

Qty	Description
3	Dock Sections 80" x 10'
12	Couplers
4	HD Pipe Sleeves
1	Aluminum Gangway
1	Roller Kit
1	Trans Plate
2	Supplemental Floats
4	Galvanized Pipes 3" x 21'
4	Augers
1	Install Tool
2	Socket Tools
1	MAX to Dock Hinge Kit
1	Short MAX to MAX Coupler Kit
1	Pull Thru Launch
1	Universal ADA Transfer Bench
4	PVC 3" x 5' Covers
6	Security Curbing
24	Curbing Screws
1	AL Gangway Hinge Kit

EXHIBIT 3:
FOR REFERENCE ONLY – NOT A SPECIFICATION
SAMPLE PARTS LIST FROM A PREVIOUS QUOTATION – PIKE LAKE

Qty	Description
17	2'X4'X8" EAGLE FLOAT DRUM
84	3/8"X4" LAG BOLT SET HDG
84	5/8" WASHER HDG
16	INSIDE CORNER
8	OUTSIDE CORNER END
6	OUTSIDE CORNER MALE
2	OUTSIDE CORNER FEMALE
4	SINGLE "T" FEMALE
4	BACKUP PLATE
20	ANGLE BRACE
40	WASHER PLATE
4	10" HOOP PILE HOLDER W/ROLLER
240	1/2"X3" CARRIAGE BOLT SET HDG
9	2"X8"X12' SYP S4S MCA
8	2"X8"X4' SYP S4S MCA
2	2"X8"X10' SYP S4S MCA
4	2"X6"X4' SYP S4S MCA
31	12' SIESTA - GOLDEN TEAK
285	SIESTA CLIPS
285	#7 FINISH SCREW - SIESTA
7	WHITE RUBRAIL-3 CHMBR-10'LIGHT
4	CORNER BUMPER - WHITE
16	RING NAILS (25 PKG)

EXHIBIT4:
FOR REFERENCE ONLY – NOT A SPECIFICATION
SAMPLE PARTS LIST FROM A PREVIOUS QUOTATION – SHAWNEE

Qty	Description
2	Coupler Drive Socket
1	80" Hinge to Dock Kit
6	Security Curbing 2.5" x 3.5" x 116"
1	Half Hexagon
1	Launch to Dock Adaptor
2	Dock Sections 80" x 10'
1	Drive Through Launch
12	Coupler Sets
4	Galvanized Pipe 3" x 20'
1	ADA Transfer Station
1	In Water Installation Tool
1	5' x 20' Gangway
1	Bearing Kit for Galvanized Roller
1	Swim Ladder
36	Security Curbing Screws
2	Supplemental Floats
1	Transition Plate

EXHIBIT5:
FOR REFERENCE ONLY – NOT A SPECIFICATION
SAMPLE PARTS LIST FROM A PREVIOUS QUOTATION – TAR HOLLOW

Qty	Description
3	Dock Sections 80" x 10'
12	Couplers
4	HD Pipe Sleeves
1	Install Tool
2	Socket Tools
1	MAX to Dock Hinge Kit
1	Short MAX to MAX Coupler Kit
1	Pull Thru Launch
1	Universal ADA Transfer Bench
6	Security Curbing
24	Curbing Screws
1	Hinge Kit