

TOWN OF CAMDEN

CONTRACT DOCUMENTS AND SPECIFICATIONS

FOR

INNER HARBOR FLOAT REPLACEMENT



**Town of Camden
P.O. Box 1207
29 Elm Street
Camden, ME 04843**

DECEMBER 23, 2015

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Prepared By:

Gartley & Dorsky
ENGINEERING SURVEYING

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**DIVISION 0
TOWN OF CAMDEN
INNER HARBOR FLOAT REPLACEMENT
BIDDING AND CONTRACT REQUIREMENTS**

Scope of Work

The scope of this Division includes Bidding and Contract information and requirements.

Contents of Division

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Appended Material:

END OF SECTION 00000

**SECTION 00040
TOWN OF CAMDEN
INNER HARBOR FLOAT REPLACEMENT
INTRODUCTION**

1. GENERAL

A. This CONTRACT covers the Inner Harbor Float Replacement located in the Town of Camden, Maine. This CONTRACT covers all work to be performed.

2. DEFINITIONS

A. Definitions shall be as listed in Section 00510 Agreement. "OWNER" shall mean Town of Camden, acting through or by its authorized representative.

3. SCHEDULE

A. Construction shall be substantially complete in accordance with the following schedule:

Bids Due:	January 13, 2016
Award Contract	January 20, 2016
Commencement Date	January 20, 2016
Completion Date	April 8, 2016

4. OTHER CONSIDERATIONS

- A. Bidders are advised of the requirement to maintain vehicular access and operations to the existing facility and adjoining drive.
- B. Each BIDDER is responsible for inspecting the site and for reading and being thoroughly familiar with the CONTRACT DOCUMENTS. The failure or omission of any BIDDER to do any of the foregoing shall in no way relieve any BIDDER from any obligation in respect to its BID.
- C. Attention is drawn to the requirement to reconstruct all disturbed areas to their existing condition on the property. Reconstruction shall include but not be limited to replacement of plantings, surface materials, signage, finishes, etc. All work shall be performed as part of the LUMP SUM bid.

END OF SECTION 00040

SECTION 00100
TOWN OF CAMDEN
INNER HARBOR FLOAT REPLACEMENT
NOTICE AND INFORMATION TO BIDDERS

The Town of Camden will receive sealed bids for a project entitled: "**Inner Harbor Float Replacement**" in accordance with the NOTICE AND INFORMATION TO BIDDERS, CONSTRUCTION PLAN SHEET S1.0, BID FORM, AGREEMENT, and SPECIFICATIONS. All of the bid documents are a material part of this NOTICE and are incorporated by reference into this NOTICE.

The Select Board shall make an award of the contract by considering, among other things, the lowest price for a proposal meeting the bid specifications. The Town of Camden reserves the right to waive any formalities, to reject any or all bids, or to accept any bid it considers to be in the best interest of the Town after considering quality, function, service, and initial cost, without obligation to consider price only. The Town's decision in all cases will be final. Tabulation will be mailed to vendors upon request.

If a bidder finds discrepancies in, or omissions from the Project documents, or is in doubt as to the meaning of the Project documents, the bidder shall, at once, notify the Engineer, Gartley & Dorsky Engineering & Surveying, Inc. in writing; upon receipt of such notification, the Engineer shall send additional written clarification concerning the issues raised in the NOTICE to all prospective bidders.

Deviations from the Contract Documents: All deviations from the contract documents must be noted in detail by the bidder, in writing, at the time of submittal of the formal bid. Bidders are expressly informed that any material deviation from the contract documents may be a basis for rejection of the proposal by the Select Board at the time that the Board considers an award of the contract.

Prices must be firm for at least three (3) months. Project requires approval from the Town's Select Board prior to contractor being authorized to commence construction.

At the time of the opening of proposals, each bidder shall be presumed to have read and be thoroughly familiar with the construction plans in this BID NOTICE and all enclosures. The failure or omission of any bidder to receive or examine any form, instrument, or document shall in no way relieve any bidder from any obligation in respect to the proposal submitted. Any bidder to whom a contract is awarded shall be responsible for observing applicable standards for fair employment practices and work safety.

For purposes of this BID NOTICE and all Project documents, the term "bidder" shall mean any person, company or organization submitting a Proposal pursuant to this NOTICE and the term "bid" shall mean a Proposal submitted by a bidder.

Bids shall be placed in a sealed envelope marked "**Inner Harbor Float Replacement Bid**" and received in the Camden Town Office at 29 Elm Street, PO Box 1207, Camden, Maine 04843 on or before **2:00 p.m., January 13, 2016**. Prior to an award of the contract, no town official has been authorized to make any oral modifications or changes in the terms and specifications of this NOTICE.

END OF SECTION 00100

**SECTION 00310.1
TOWN OF CAMDEN
INNER HARBOR FLOAT REPLACEMENT
BID FORM**

The undersigned bidder acknowledges receipt of the NOTICE AND INFORMATION TO BIDDERS, BID FORM, SPECIFICATION AND CONSTRUCTION PLAN SHEET S1.0 entitled "**Town of Camden Inner Harbor Float Replacement**" respectively and hereby proposes to provide the work, which includes but is not limited to the construction and delivery of the floats including the float connection hardware, see Float Specifications for additional details. The Town of Camden will be responsible for float installation. Provide lump sum bid price for the work to be completed by the dates indicated on the bid schedule.

BID PRICE

**TOWN OF CAMDEN INNER HARBOR
FLOAT CONSTRUCTION & DELIVERY**

BASE BID: Composite Decking \$ _____

ALTERNATE BID: PT Decking \$ _____

Name of Individual / Company: _____

Address: _____

Printed Name of Person Signing Form: _____

Telephone: _____

Signature: _____

Date: _____

Completion Date Acknowledged _____ (**April 8, 2016**)

Addenda Acknowledged _____ (initial)

END OF SECTION 00310.1

SECTION 00510
TOWN OF CAMDEN
INNER HARBOR FLOAT REPLACEMENT
AGREEMENT

1. THIS AGREEMENT for the **Inner Harbor Float Replacement** is dated as of the _____ day of _____ in the year 2016 by and between the Town of Camden, (hereafter called "OWNER"), and _____, doing business as a _____ hereinafter called "CONTRACTOR."
2. WITNESS: That for and in consideration of payments and agreements hereinafter mentioned:
 - A. The CONTRACTOR may begin work on _____ and is to be completed by _____ in accordance with the bid documents. All construction dates will be contingent upon receiving approval of the pending permits. It is anticipated that permits will be obtained prior to the listed construction start date. If the start date is delayed the completion date may be extended if required.
 - B. The CONTRACTOR agrees to perform all of the WORK described in the CONTRACT DOCUMENTS and comply with the terms therein for the lump sum of \$ _____.
 - C. The CONTRACTOR shall purchase and maintain such insurance as will protect OWNER from claims set forth which may arise out of or result from the CONTRACTOR'S execution of the WORK, whether such execution be by the CONTRACTOR or by any SUBCONTRACTOR or by anyone directly or indirectly employed by any of them, or by anyone for whose acts any of them may be liable, as follows:
 - Claims under workers compensation, disability benefit and other similar employee benefit acts;
 - Claims for damages because of bodily injury, occupational sickness or disease, or death of employees;
 - Claims for damages because of bodily injury, sickness or disease or death of any person other than the CONTRACTOR'S employees;
 - Claims for damages insured by usual personal injury liability coverage which are sustained (1) by result of an offense directly or indirectly related to the employment of such person by the CONTRACTOR, or (2) by any other person;
 - Claims for damages because of injury to or destruction of tangible property, including loss of use resulting there from;
 - Certificates of Insurance acceptable to the OWNER shall be filed with the OWNER, upon request of OWNER. These Certificates shall contain a provision that coverages afforded under the policies will not be cancelled unless at least fifteen (15) days prior WRITTEN NOTICE has been given to the OWNER.
 - The CONTRACTOR shall procure and maintain, at the CONTRACTOR'S own expense, during the CONTRACT TIME, liability insurance as hereinafter specified:

- CONTRACTOR'S General Public Liability and Property Damage Insurance including vehicle coverage issued to the CONTRACTOR and protecting the CONTRACTOR from all claims for personal injury, including death, and all claims for destruction of or damage to property, arising out of or in connection with any operations under the CONTRACT DOCUMENTS, whether such operations be by the CONTRACTOR or by any SUBCONTRACTOR under the CONTRACTOR, or anyone directly or indirectly employed by the CONTRACTOR or by a SUBCONTRACTOR. Insurance shall be written with a limit of liability of not less than \$1,000,000 for all damages arising out of bodily injury, including death, at any time resulting there from, sustained by any one person in any one accident; and a limit of liability of not less than \$1,000,000 aggregate for any such damages sustained by two or more persons in any one accident. Insurance shall be written with a limit of liability of not less than \$400,000 for all property damage sustained by any one person in any one accident; and a limit of liability of not less than \$400,000 aggregate for any such damage sustained by two or more persons in any one accident.

D. SUBCONTRACTING

- The CONTRACTOR may utilize the services of specialty SUBCONTRACTORS on those parts of the PROJECT which, under normal contracting practices, are performed by specialty SUBCONTRACTORS.
- The CONTRACTOR shall not award WORK to SUBCONTRACTOR(S), in excess of fifty percent (50%) of the CONTRACT PRICE, without prior written approval of the OWNER.

E. The term "CONTRACT DOCUMENTS" means and includes the following:

1. Contract Documents and Specifications Packet
2. Plan Sheet S1.0:Town of Camden Inner Harbor Float Replacement

F. ADDENDA

No. _____, dated _____
No. _____, dated _____

G. This OWNER will pay to the CONTRACTOR in a lump sum at the satisfactory completion of the PROJECT in conformance with the CONTRACT DOCUMENTS.

H. This AGREEMENT shall be binding upon all parties hereto and their respective heirs, executors, administrators, successors, and assignees.

I. Liquidated damages of \$100.00 per day will be assessed against the contractor for each day beyond the stated contract period until work is complete.

IN WITNESS WHEREOF, the parties hereto have executed, or caused to be executed by their duly authorized officials, this AGREEMENT in duplicate each of which shall be deemed an original on the due date written above.

OWNER & ADDRESS FOR NOTICES:

**Town of Camden
P.O. Box 1207
29 Elm Street
Camden, Maine 04843**

BY: _____
Printed Name of Individual Signing:

Attest: _____

CONTRACTOR:

_____ Address for giving notices: _____

BY: _____
Printed Name of Individual Signing:

Attest: _____

(CORPORATE SEAL)

END OF SECTION 00510

SECTION 00850
TOWN OF CAMDEN
INNER HARBOR FLOAT REPLACEMENT
DRAWING & ADDITIONAL ITEM INDEX

<u>DRAWING NO.</u>	<u>TITLE</u>
S1.0	INNER HARBOR FLOAT REPLACEMENT

<u>ADDITIONAL ITEM</u>	<u>TITLE</u>
NONE	

END OF SECTION 00850

SECTION 00900
TOWN OF CAMDEN
INNER HARBOR FLOAT REPLACEMENT
ADDENDA & MODIFICATIONS

PART 1 - GENERAL

1.1 DESCRIPTION

- A. No interpretation of the meaning of the Contract Documents will be made to any bidder orally. Every request for such interpretations or questions, to be given consideration, must be received in the Engineer's office in writing (preferably via email) no later than the date specified in the bidder's information. Any and all such interpretations and supplemental instructions pertaining to General Bidders, will be in the form of written Addenda to the CONTRACT DOCUMENTS, which, if issued, will be sent by the Engineer to all persons on record as having received a complete set of CONTRACT DOCUMENTS (at the respective email addresses furnished for such purposes). Such Addenda will be issued not later than 48 hours prior to time set for opening of General Bids,
- B. Failure of any bidder to receive any such Addenda shall not relieve such bidder from any obligation under his bid as submitted. All Addenda so issued shall become part of the CONTRACT DOCUMENTS.

END OF SECTION 00900

SECTION 00950
TOWN OF CAMDEN
INNER HARBOR MARINA IMPROVEMENTS
SPECIAL CONDITIONS

PART 1 - GENERAL

1.1 SCHEDULE OF OPERATIONS

- A. The Contractor shall, in good workmanlike manner, perform, or cause to be performed, all work and furnish all supplies and materials, machinery, equipment, facilities and means, except as herein otherwise expressly specified, necessary or proper to complete all the work required by this Contract, in accordance with the provisions of the Contract Documents, including all subdivisions thereof, and in accordance with the directions of the Engineer as given from time-to-time during the progress of the work. He shall furnish, erect, maintain, and remove such construction plant and such temporary works as may be required. He alone shall be responsible for the safety, efficiency, and adequacy of his plant, appliances, and methods, and for any damage which may result from their failure or their improper construction, maintenance, or operation.

1.2 ACCIDENT PREVENTION

- A. The contractor shall comply with all recommendations and requirements for accident prevention of the Associated General Contractors of America and the American Standards Association Standard A10.2. The Field Superintendent of the Contractor shall conduct regular and frequent inspections of the site for compliance with safety regulations, stating in writing to the Engineer each month that he has done so.

1.3 COORDINATION OF THE WORK

- A. The Contractor and all his Sub-Contractors shall coordinate their work with all adjacent work and shall cooperate with all other trades so as to facilitate general progress of the work. Each trade shall afford all other trades every reasonable opportunity for the installation of their respective work and for the storage of their materials and equipment. The Contractor shall be responsible for coordination.
- B. Each Sub-Contractor shall assume responsibility for the correctness and adequacy of his work. Each Sub-Contractor shall be responsible for and pay all damages done by his work or his workmen.
- C. The Contractor shall cooperate with, and provide access and working area to the Owner's Contractors for the performance of specific work assigned to them.

1.4 AS BUILT DRAWINGS

- A. The Contractor and all Sub-Contractors shall keep one set of prints up to date showing the actual work "as built" for all items of work. "As built" drawings will be turned over to the Engineer at the completion of the work.

1.5 CONSTRUCTION HOISTS

- A. The Contractor shall provide and pay for hoisting machinery and/or crane service as necessary to lift all personnel and materials for all operations, both his and his Sub-Contractors, of sufficient capacity and speed to produce no delay in the completion of the work.

END OF SECTION 00950

SECTION 01100
TOWN OF CAMDEN
INNER HARBOR FLOAT REPLACEMENT
FLOAT SPECIFICATIONS

PART 1 – GENERAL

1.01 GENERAL

- A. Contractor shall provide all necessary labor, tools and material to construct twenty eight (28) floats in accordance with the INNER HARBOR FLOAT CONSTRUCTION section.
- B. Contractor shall deliver the float sections to the site; Coordinate delivery with client.
- C. Floats will be installed by the client.

1.02 QUALIFICATIONS

- A. Contractor shall have a minimum of three (3) years of experience manufacturing floats.

1.03 SUBMITTALS

- A. Submit shop drawings and a list of hardware. Drawings shall detail the following elements:
 - 1. All framing elements, including skids, main and secondary joists, spanner boards, decking and bracing.
 - 2. All hardware connection assemblies, including face and backing plates, brackets, hinges and float connecting pins.
 - 3. Flotation drum locations and mounting details.
 - 4. Calculations that show freeboard with no live load and with maximum live loads when drums are submerged. Additional flotation shall be provided at gangway landings to maintain level float with no live load.
- B. Certifications and Warranties
 - 1. Timber material pressure treated certifications shall be provided.
 - 2. The float drum supplier shall provide a written warranty that certifies the product to include all labor and materials for repairs required during a fifteen (15) year period from the date of installation. Warranty exclusion may be made for storm damage with sustained wave action in excess of three (3) feet.

PART 2 – PRODUCTS

2.01 FLOATS - GENERAL

- A. Timber floats shall be of the following sizes, as shown on the plan:
 - 1. Fifteen (15) - 16'x3.5' replacement floats
 - 2. Three (3) - 12' x 3.5' replacement floats
 - 3. Six (6) - 6' x 24' replacement floats
 - 4. Four (4) – 6' x 32' replacement floats
- B. Gaps Between Floats:
 - 1. Gap between adjacent deck boards at intersecting float locations shall be approximately ¼”.

2. Float connection hardware shall be designed to have a 4" gap between intersecting float sections.
3. Provide a 2x6 ledger flush with the top surface of the frame on the end of each intersecting float (installed between hardware). Fasten ledger to frame with 3/8" diameter hot-dipped galvanized carriage bolts spaced 2'-0" o.c. (max).
4. Install the end piece of decking at intersecting floats to bear on ledger and extend 3/8" beyond face of ledger.
5. Resulting gap between deck boards shall be approximately 1/4".

2.02 MANUFACTURERS

- A. Float drums, hardware and fasteners:
 1. Custom Float Services, South Portland, Maine
 2. Sea Port Marine Corporation, Chesapeake, Virginia
 3. Approved equal.
- B. Fendering: EdgePro, Marietta, Ohio or approved equal.

2.03 HARDWARE

- A. Structural steel shapes shall conform to ASTM A36 and be hot dip galvanized after fabrication in accordance with ASTM A-123.
- B. All exterior hardware including all meal brackets and timber connection assemblies shall be 3/8" thick (minimum) hot-dipped galvanized steel
- C. All interior connecting hardware including all corner pieces, connections and attachments to have backing plates shall be 1/4" (minimum) thick hot-dipped galvanized steel.
- D. Connecting hardware shall be 3/8" thick plate with 2- and 3- tab (1/2 inch) connections to accept a 1" diameter hot-dipped galvanized steel pin (min).
- E. All corner and joist construction joints shall be reinforced with exterior or interior hardware.
- F. Mooring chain attachment hardware shall be equivalent to Custom Float DH-CRLGSQ. Provide one for each mooring chain shown on the plan.
- G. Cleats:
 - a. Cleats shall be 10" long heavy duty hot dip galvanized equivalent to Sea Port Marine 10" Heavy Cleat.
 - b. Two (2) cast dock cleats shall be provided on both sides of each 3.5' wide finger float; Eight (8) additional cast dock cleats shall be provided on select main floats as shown on the plan.
 - c. Cleats shall be fastened to the float frame with through-bolts and steel backing plates and shall not interfere with safe travel along floats.

2.04 FASTENERS

- A. All hardware shall be fastened with A301 1/2" diameter hot-dipped galvanized carriage bolts.
- B. Exposed bolts shall be carriage bolts or countersunk to prevent damage to boats.
- C. Decking shall be fastened to each framing member with (2) stainless steel #10 x 4" square drive 316 stainless steel decking screws located as per decking manufacturer's specification.

2.05 FLOTATION

- A. Each timber float section shall have 16” (minimum) Premierfloat drums (or equal) through bolted to the timber frame with ½” diameter hot-dipped galvanized carriage bolts.
- B. Float drums shall be rotationally molded polyethylene shell filled with expanded polystyrene meeting Army Corps of Engineers absorption rate standards. Minimum wall thickness shall be 3/16”.hardware.
- C. Unless specified on the drawings, the number of flotation units installed on each float shall be adequate to provide a stable float platform that meets the following criteria:
 - 1. Float freeboard (no live load) shall be 17” plus or minus 1”. No timber material (with the exception of the skids) shall be immersed in water when no live load is applied.
 - 2. Aggregate float live load capacity (maintaining positive freeboard) shall be 30 psf.

2.06 TIMBER

- A. Float framing shall be pressure treated (PT) Southern Yellow Pine No. 2; 1.0 pcf CCA or approved equal.
- B. Main members shall be nominal 4-inch wide; secondary and fascia members may be nominal 2-inch wide.
- C. Exposed decking, trim, fascia boards and other elements subject to human contact shall be pressure treated (PT) Southern Yellow Pine No. 1; 0.60 pcf ACQ or approved equal.
- D. Interior frame and drum joists shall be 4x8 (minimum); any intermediate joists shall be 2x8 (minimum); outer skirt boards shall be 2x10 (minimum). Spanner board provided for side impact strength in the width direction shall be 2x8 (minimum). Spacing between framing members shall not exceed 24” on-center or specified minimum per decking manufacturer.
- E. Bottom Skids: Two (2) sets of 4x8 #2 grade (or better) 2.50 CCA pressure treated (PT) southern yellow pine bottom skids shall be provided for each section of float. Skids shall be suspended by 2.50 CCA 4x8 and 2x8 uprights with galvanized hardware and bolts.

2.07 DECKING

- A. Decking Material:
 - a. **Base bid:** Decking surface shall be Correctdock composite decking (or approved equal). Decking shall be gray in color.
 - b. **Alternate:** Decking surface shall be 2x6 pressure treated (PT) Southern Yellow Pine No. 1 (or better).
- B. Gaps between deck boards shall be approximately 1/8”.

2.08 FENDERING

- A. Fendering: Edgepro model 5008 dock bumpers (or equal; color: white) shall be included on both sides of each 3.5’ wide finger float and on select main floats as shown on the plan.
- B. Fendering shall be fastened with stainless steel #12 x 1 ¼” pan head screws (or equal) at 6” on-center (typical).

2.09 FLOAT CONSTRUCTION

- A. Dinghy Ties: Continuous dinghy tie-ups shall be provided on select main floats as shown on the plan.
- B. Construct per plan detail. Provide a 2x4 pressure treated (PT) Southern Yellow Pine No. 1 continuous member as shown; provide 2x4 pressure treated (PT) Southern Yellow Pine No. 2 blocking as shown and at intervals indicated.

END OF SECTION 01100