

**Request for Qualifications and Cost Proposal**  
**for**  
**Mooring System Purchase, Inspection, Maintenance and Relocation**  
**4/14/2015**

1. PROPOSER INFORMATION

The New Hampshire Department of Environmental Services (DES), Waste Management Division intends to enter into a 4 year contract agreement with a single vendor based upon specific performance terms and conditions using a standard rate schedule for: the purchase and installation of mooring systems and additional mooring weight; mooring system inspection, repair and maintenance; and mooring system relocation. These tasks will be conducted primarily in the Upper and Lower Little Bay areas and the Piscataqua River, and possibly, along the entire NH seacoast.

DES will evaluate the Requested Qualifications Statements (RFQ) packages received from all responsive, interested vendors and score the qualifications and standard rate structure/cost proposal based upon evaluation criteria. The company that earns the highest score will be awarded the contract. The cost proposal prices of the selected vendor will be incorporated into the contract as the unit prices, or where applicable, total task price.

All interested vendors will be evaluated based on the Item #8 evaluation criteria defined below:

2. SCOPE OF WORK: ABILITY TO PERFORM TASKS LISTED BELOW

**Task 1: Provide and Install Complete Mooring Systems.**

Provide and install complete mooring systems that will be used for boat/barge moorings or oil spill boom tethering. A mooring system will consist of: one 5,000 lb. granite mooring block, 5/8" chain, 32" mooring ball, and all connecting hardware including shackles and swivel.

**Task 2: Provide and Install Additional Weight to Existing Moorings.**

Provide and install 5,000 lb. granite mooring blocks to be added to existing mooring system blocks (see Diagram # 1) to increase the overall weight of the existing mooring system (additional weights). The existing granite block shall be attached to the additional weight with 5/8" chain. These added mooring blocks must be placed in an orientation as directed by DES.

**Specific to Tasks 1 and 2:**

Contact: DES contact must be informed of delivery date(s) and arrangements must be made to assure that DES staff have the option to be allowed the opportunity to be on-scene during the delivery and installations to verify the product and correct placement. DES can re-direct locations while on-scene, if DES deems it necessary.

Warranty: All work shall be warranted for a period of 1 year from installation, including, but not limited to:

- Connectors (shackles) remain in place.
- Chain integrity
- Block integrity

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**Task 3: Conduct Annual Mooring Inspections, Repairs and Maintenance:**

Perform annual inspections and maintenance on all DES moorings, including visual inspection of chain, connections, mooring blocks, mooring block steel eyes, chains linking two mooring blocks together and buoys. Inspection includes: determining the location of the mooring by GPS, assessing the condition of each part, recording such information, and determining if items need immediate replacing due to corrosion or damage. These inspections shall be performed by utilizing a diver to make actual visual observations of the underwater portions. Maintenance includes: cleaning-off marine growth and checking tightness of all connections.

The vendor will provide a verbal report within 24 hours on the findings to DES with recommendations for any repairs needed. Additionally, a written inspection report shall be submitted to DES within 30 days of the inspection date. In the case that any unsafe condition is found during an inspection which the vendor determines requires immediate repair, the vendor shall contact DES for permission to proceed with the repairs. The vendor will be responsible for providing repair materials/parts and conducting the maintenance either on site or at their shop.

**Task 4: Seasonal Buoy Change-out and Repairs:**

The vendor shall replace the buoys before every winter season (after November 1 each year) and before every summer season (after April 1 each year) with buoy devices designated by DES. The vendor will coordinate with DES on the exact schedule for replacements. The winter buoy device will generally consist of a 32 inch diameter hard plastic mooring ball, and the summer buoy device will be a USCG Fast Water Ionomer Foam Can Buoy. (See attached Specifications). The vendor shall utilize all appropriate vessels, crew and materials to efficiently detach buoys and reattach the designated seasonal buoys. All necessary repairs shall be made to attach and secure each buoy device to the appropriate moorings. Any pennants attached to the buoys shall be removed or transferred per DES instructions. The vendor shall provide year round secure storage of all detached DES buoys. See Diagram # 1, Boom Tether Moorings for current locations.

**Task 5: Re-locate Mooring Systems to New Location:** The vendor will be required to move moorings per the direction of DES, as needed. This may entail moving single 5,000 lb moorings and/or moorings that consist of two 5,000 lb. blocks connected by chain (likely requiring the utilization of a diver). The vendor shall use GPS to place moorings at designated locations.

DES shall make all mooring assignments based on its own schedule and each shall be confirmed with the vendor's designated contact/coordinator prior to work.

**Task 6: Other Maintenance:** Perform other maintenance tasks as they arise, such as making adjustments to mooring configuration, moving moorings due to shifting ice, untangling moorings, chain length adjustment and replacement, and search for missing moorings. Other additional, unanticipated, maintenance tasks may be required as directed by DES. The vendor shall provide a detailed estimate of the cost to conduct undesignated and/or unanticipated work assignments

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requested by DES. DES reserves the right to reject the vendor's estimates and proposals, and negotiate the cost or select another vendor.

The vendor shall have equipment and diver(s) on staff capable of performing the required tasks listed above. The preferred vendor shall be able to provide these services with equipment that is owned, or leased, by the vendor and staged on the water in the Portsmouth/Newington area.

The vendor must have GPS equipment capable of three decimal place accuracy. The vendor will be required to place mooring systems, and the additional 5,000 lb blocks in exact locations, using GPS, as directed by DES. DES shall be informed of all work before it commences and allowed the opportunity to be on scene during work.

Location for all Tasks: Locations are as included in attached diagrams A, B, and D. Locations may change by a small distance within the Upper Bay and Little Bay areas per DES direction.

Each prospective vendor shall prepare and provide to the state the following documentation in response to the RFQ and Cost Proposal:

**3. COMPANY EXPERIENCE**

- a.** Provide detailed information that shows at least (5) years significant experience in: the design, installation, inspection, maintenance and location of mooring systems and placing additional weight at existing mooring systems, of which (2) years experience has been on mooring systems in the Upper and Lower Little Bay areas and the Piscataqua River.
- b.** Provide evidence of experience in the procurement of mooring materials and the delivery of materials, as appropriate.
- c.** Provide evidence of ability to locate moorings to three decimal point GPS level of accuracy.

**4. LOCATION**

- a.** Indicate the primary shop(s)/dock/marina from which to mobilize staff and equipment. Include an area map showing the dock(s) to be used, marina and/or shop, and main office. Estimate the time to mobilize staff and equipment onto the river/bay upon a DES request.

**5. EQUIPMENT AND SUBCONTRACTS:**

- a.** Provide a complete list of registered vessels, boats, cranes and diving equipment that is owned by the company and would be used in the work on this contract.
- b.** Provide the names, addresses, contact names and telephone numbers for each subcontractor intended to be used under this contract. Specify the materials and/or equipment to be supplied under this contract by each sub-contractor.

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**6. COST PROPOSAL:**

- a. Provide costs for performing annual inspection and maintenance on a single mooring, including crew, vessel, crane, divers, fuel and all tools, and a total bid amount for inspection and maintenance on all (i.e.  $\leq 19$ ) moorings. DES anticipates that the cost per inspection for multiple moorings will be less than a single mooring inspection. Refer to page 6 for cost proposal sheet.

Any annual inspection and maintenance that DES requests to be done that is less than, or greater than, the total of 19 would be compensated on a pro-rata basis based upon the cost for a single mooring.

- b. Provide a cost for moving a single mooring including crew, vessel, crane, diver, and all materials; and a cost for moving multiple moorings. DES anticipates that the cost to move multiple moorings may be less per mooring based on the reduction of mobilization and demobilization costs than a single mooring move.
- c. Provide bid costs for typical mooring system repairs and materials, as required in the Cost Proposal. Repair items are to be provided and installed based on maintenance and repair recommendations under Task 3, 4, 5, and 6

In the event additional, unanticipated, repairs [not covered in the cost proposal] are needed to complete an assignment, DES shall negotiate a price and delivery with the vendor and note the authorization on the invoice rendered by the vendor. DES shall compensate for other services based on proposed time and materials rates.

**7. INSURANCE**

The vendor will be required to comply with the standard State contract terms and conditions language (see attached Contract Agreement Form P-37). The vendor must submit a current liability insurance certificate and demonstrate ability to comply with the minimum insurance coverage under Provision Number 14.

**8. RELATIVE WEIGHTING OF CRITERIA**

Upon completion of the review of the submittal the DES Selection Committee will score and rank the bidders based on the following weighting of the above criteria. The DES Selection Committee will score the submittals for each of the following categories. The respondent with the highest total score will be awarded the contract.

- o Location = 15%
- o Company Experience = 20%
- o Equipment and subcontracts = 15%
- o Price Schedule = 50%

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**9. PROPOSAL INQUIRIES**

Questions concerning the RFQ and cost proposal should be addressed in writing or via e-mail to the following DES contacts:

Primary: Carroll Brown PH: 603-271-3000; e-mail: carroll.brownjr@des.nh.gov  
 Secondary: Steven Croce PH: 603-271-2229; e-mail: steven.a.croce@des.nh.gov

Address: New Hampshire Department of Environmental Services, Waste Management Division  
 PO Box 95, 29 Hazen Drive,  
 Concord, NH 03302-0095

All inquiries should be made prior to April 20, 2015. Responses to inquiries will be forwarded to all prospective vendors by April 27, 2015. All prospective vendors shall submit their qualifications packages and cost proposals **to DES on or before the close of business [COB] on April 30, 2015.**

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**Materials Specification**

Mooring block material	Granite
Mooring block connector	1 ¼" diameter cold rolled steel loop installed in block
Chain	1) Mooring systems = 5/8" HG long link (up to 60' per mooring) 2) added weight = 5/8" HG long link (15' per mooring)
Location method	GPS to three decimal points.
Mooring balls/buoys	Used by NHDES and/or US Coast Guard Specification: Winter Ball = 32 Inch hard skinned mooring ball, similar to Taylor CW Mooring Buoy 32"; Summer Buoy = Class 5-Fast Water Ionomer Foam Can Buoy
Connectors	Galvanized steel shackles: 7/16" to ¾"; galvanized swivels: ½" to ¾"

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**Cost Proposal**

Tasks	Unit Cost (\$)	DES Estimated # of Units	Cost Unit Cost X # of Units (\$)
<b>TASK 1: Provide and Install Complete Mooring Systems (NEW) *</b>	--	--	--
Install complete mooring systems: include price of all materials (DES to supply mooring buoy) with up to 60' of chain		4	
<b>TASK 2: Provide and Install Additional Weight to Existing Moorings *</b>	--	--	--
Add one 5,000 lb. block to an existing mooring. Connect blocks together with chain.		8	
<b>TASK 3: Conduct Annual Mooring Inspections, Repairs and Maintenance *</b>	--	--	--
Perform annual inspection and maintenance check on one (1) mooring.		1	
Perform annual inspection and maintenance on all moorings. (Currently 19 exist)	--	Total price	
Additional cost per mooring for depths over 50'.		2	
<b>TASK 4: Conduct Seasonal Buoy Change-outs and Repairs *</b>	--	--	--
Perform Winter Season Buoy Change-outs/Repairs		Cost per Buoy	
Perform Summer Season Buoy Change-outs/Repairs		Cost per Buoy	
<b>TASK 5: Re-locate Mooring Systems to New Location *</b>	--	--	--
Move one single weight mooring (5,000 lb) (no diver required)		1	
Move one 2 weight mooring (2 X 5,000 lb) (diver required)		5	
Move multiple moorings in a single trip	--	Total Price	
<b>TASK 6: Other Maintenance and Repairs *</b>	--	--	--
Modifying chain length		5	
Replacing buoy (not including buoy cost)		2	
Replace mooring eyebolt		2	
Replace a Pennant		3	
Search for lost moorings (vessel, crew, and fuel)		Cost per Hour	

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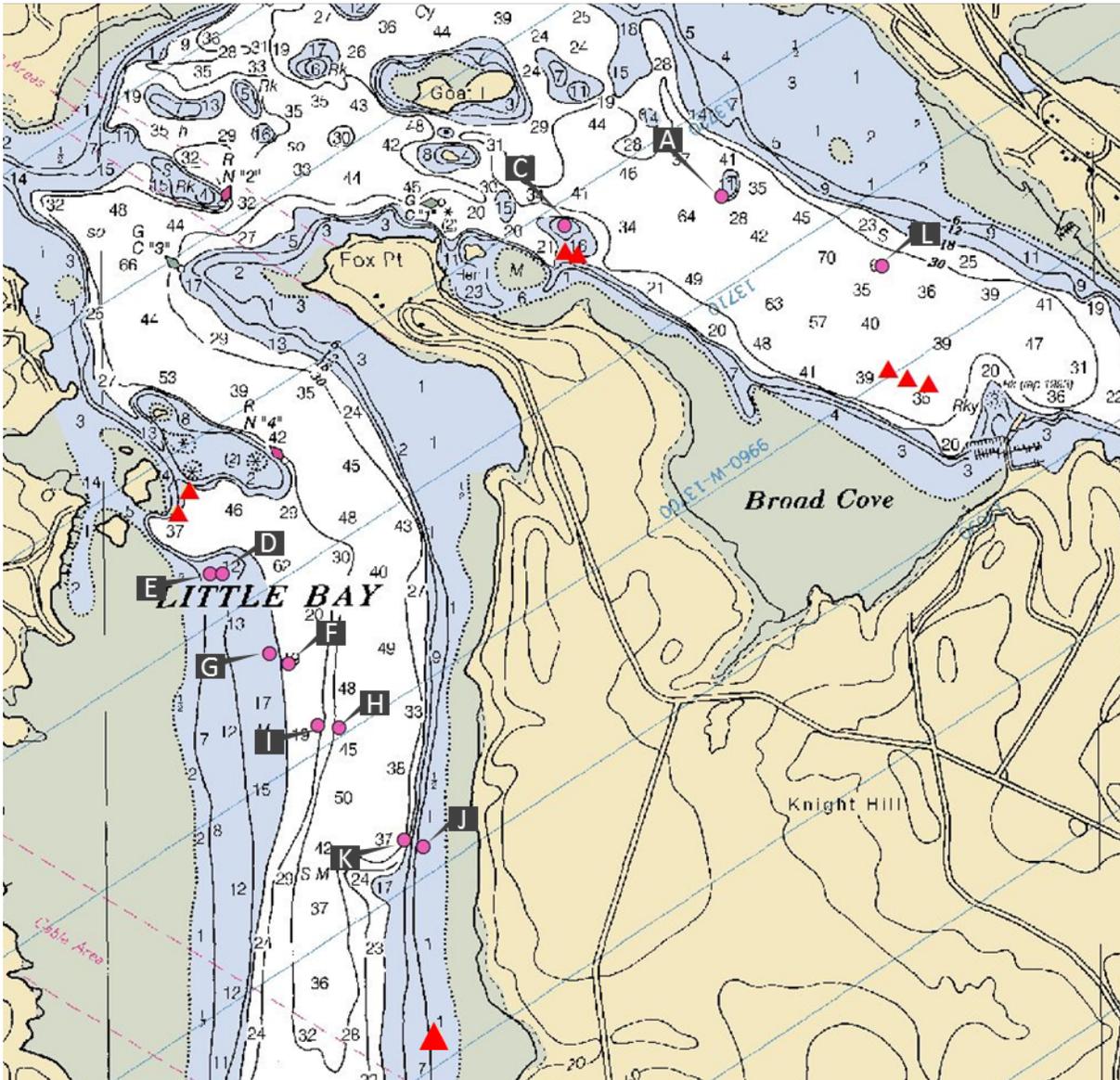
<b>COST OF MATERIALS</b>	--	--	--
Cost per foot of 5/8" HG Long Link Chain		200 ft	
Cost each for 3/4" galvanized shackle		3	
Mooring block and eye bolt		6	
Mooring block delivery and staging		5	
Cost for new mooring eyebolt		3	
Cost for new 3/4" swivel		3	
Pennant, 1" x 20 ft., w/ metal thimble on one end		5	
Pennant, 3/4" x 20 ft.,		3	
Mooring Ball, 32" hard skinned with 3" tube-thru-center construction		4	
Can Buoy, Class 5 fast water ionomer foam		2	

\* Includes all costs for vessel, crew, crane, fuel and tools.

**TOTAL (All TASKS & MATERIALS) = \_\_\_\_\_**

Note: Quantities listed are approximate and for bid comparisons only. Actual quantities will be determined by DES and may require a contract extension should the quantities increase from the maximum listed above

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**NH DES  
Diagram # 1  
Existing Mooring Locations  
&  
Associated Tasks**

● = Boom Tether Moorings: (11)  
(currently there is no Mooring "B")  
Requires:  
- Annual inspection  
- Winter/Summer season  
buoy/ball change out

▲ = Boat/Barge Moorings: (8) round 32" ball  
Requires:  
- Annual inspection

Location of any new moorings to be placed  
not determined at this time