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BID SCHEDULES

01/07

PART 1 GENERAL

1.1 BASIS OF BIDS

This contract will be awarded as one lump sum with Options as required for specifically selected work. Unit Prices have been included for items where quantities are estimated, but unknown.

- a. The low bidder for purposes of award will be determined as in Clause "FAR 52.217-4, Evaluation of Options Exercised at Time of Contract Award," of Section 00200, "Instructions to Bidders."
- b. The minimum bid guarantee shall be 100 percent of the amount of Item 001 01 through 001 05 Base Amount.
- c. If the options under Items 002 through 010 are exercised, additional bonding and consent of surety will be required. Consequently, the Performance Bond shall reflect 100 percent of the aggregate amount of Items 001 through 010. Payment Bonds shall reflect 50 percent of the aggregate amount of Items 001 through 010. See attached Consent of Surety Form.
- d. Options may be exercised at the time of award or within 365 calendar days after award by the Contracting Officer. A firm fixed bid price is required for Options. No provision is made for economic price adjustment. Method for evaluation for bids for award purposes is specified below.
- e. In the event there is a difference between a unit price and the extended total, the unit price will be held to be the intended bid. If the bidder shows only the total price but fails to enter a unit price, the total divided by the estimated quantity will be held to be the intended unit price.
- f. Any bid price for items indicated which are unbalanced as to price may be rejected as non-responsive. An unbalanced bid is one which is based on price significantly less than cost for some work and price which is significantly overstated for other work.
- g. Quantities for Bid Items are defined based on the best available information. Should quantities differ for Bid Items defined by unit prices below, the cost associated by the difference (plus or minus) in quantities will be reconciled based on the unit price provided.

1.2 BID ITEMS WITH UNIT PRICES

1.2.1 Bid Schedule

This contract will be solicited with bid items and unit prices required for specifically selected work. A description of the bid items and schedule of the unit price work is contained in Standard Form 1442, "Solicitation, Offer and Award." See Contract Clauses, "FAR 52.212-11, Variation in Estimated Quantity" and "FAR 52.236-16, Quantity Surveys."

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 Portsmouth Naval Shipyard, Kittery, ME

Bid Items with Unit Prices Form

eProjects # 1356489

Item 001 Base Amount

Basis of Bid for Item 001 shall be the Total Amount for Item 001 (Items 001 01 through 001 05), complete in accordance with the drawings and specifications, but not including work indicated or specified to be provided under any Bid Options.

(i) Item 001 01, Structural Repairs at Berth 11A

Provision of all work at Berth 11A.

Basis of Bid for Item 001 01 shall be the Total Amount for Item 001 01, but not including the work indicated or specified to be provided under any other Bid Item.

Item	Description	Estimated Quantity	Unit	Unit Price	Amount
001 01a	All work complete in accordance with the drawings and specifications but not including the work indicated or specified under 001 01b thru 001 01k.	1	LS	XXX	\$ _____
001 01b	King Piles	1641	LF	\$ _____	\$ _____
001 01c	Rock Anchors	4030	LF	\$ _____	\$ _____
001 01d	Support Piles	1031	LF	\$ _____	\$ _____
001 01e	Pile Jacket Repairs	1	LS	XXX	\$ _____
001 01f	Concrete Repair Type A	105	SF	\$ _____	\$ _____
001 01g	Concrete Repair Type A1	240	SF	\$ _____	\$ _____
001 01h	Concrete Repair Type B	90	SF	\$ _____	\$ _____

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Bid Items with Unit Prices Form					
001 01i	Concrete Repair Type B1	70	SF	\$ _____	\$ _____
001 01j	Concrete Repair Type C1	870	SF	\$ _____	\$ _____
001 01k	Concrete Crack Repair Type D	510	LF	\$ _____	\$ _____
Total Amount for Item 001 01, Structural Repairs at Berth 11A \$ _____					
(ii) Item 001 02, Structural Repairs at Berth 11B					
Provision of all work for Berth 11B.					
Basis of Bid for Item 001 02 shall be the Total Amount for Item 001 02, but not including the work indicated or specified to be provided under any other Bid Item.					
Item	Description	Estimated Quantity	Unit	Unit Price	Amount
001 02a	All work complete in accordance with the drawings and specifications but not including the work indicated or specified under 001 02b thru 001 02k.	1	LS	XXX	\$ _____
001 02b	King Piles	1699	LF	\$ _____	\$ _____
001 02c	Rock Anchors	2404	LF	\$ _____	\$ _____
001 02d	Support Piles	734	LF	\$ _____	\$ _____
001 02e	Pile Jacket Repairs	1	LS	XXX	\$ _____
001 02f	Concrete Repair Type A	55	SF	\$ _____	\$ _____
001 02g	Concrete Repair Type A1	290	SF	\$ _____	\$ _____
001 02h	Concrete Repair Type B	20	SF	\$ _____	\$ _____

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Bid Items with Unit Prices Form					
001 02i	Concrete Repair Type B1	30	SF	\$ _____	\$ _____
001 02j	Concrete Repair Type C1	495	SF	\$ _____	\$ _____
001 02k	Concrete Repair Type D	335	LF	\$ _____	\$ _____
Total Amount for Item 001 02, Structural Repairs at Berth 11B \$ _____					
(iii) Item 001 03, Structural Repairs at Berth 11C					
Provision of all work for repairs at Berth 11C.					
Basis of Bid for Item 001 03 shall be the Total Amount for Item 001 03, but not including the work indicated or specified to be provided under any other Bid Item.					
Item	Description	Estimated Quantity	Unit	Unit Price	Amount
001 03a	All work complete in accordance with the drawings and specifications but not including the work indicated or specified under 001 03b thru 001 03i.	1	LS	XXX	\$ _____
001 03b	Support Piles	653	LF	\$ _____	\$ _____
001 03c	Pile Jacket Repairs	1	LS	XXX	\$ _____
001 03d	Concrete Repair Type A	75	SF	\$ _____	\$ _____
001 03e	Concrete Repair Type A1	360	SF	\$ _____	\$ _____
001 03f	Concrete Repair Type B	5	SF	\$ _____	\$ _____
001 03g	Concrete Repair Type B1	85	SF	\$ _____	\$ _____
001 03h	Concrete Repair Type C1	965	SF	\$ _____	\$ _____

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Bid Items with Unit Prices Form					
001 03i	Concrete Crack Repair Type D	35	LF	\$ _____	\$ _____
Total Amount for Item 001 03, Structural Repairs at Berth 11C \$ _____					
(iv) Item 001 04, Base Bid In Lieu Fee (ILF) Payment Provision for the payment of the In Lieu Fee compensation to the State of Maine Department of Environmental Protection for the impacts associated with the Base Bid work.					
Total Amount for Item 001 04, Base Bid In Lieu Fee (ILF) Payment \$ _____					
(v) Item 001 05, Temporary High Pressure Air Compressor Equipment Provision for all work for the temporary High Pressure (HP) Air equipment. Basis of Bid for Item 001 05 shall be the Total Amount for Item 001 05, but not including the work indicated or specified to be provided under any other Bid Item.					
Item	Description	Estimated Quantity	Unit	Unit Price	Amount
001 05a	Delivery	3	Unit	\$ _____	\$ _____
001 05b	Rental	12	Month	\$ _____	\$ _____
Total Amount for Item 001 05, Temporary High Pressure Air Compressor Equipment \$ _____					
Total for Item 001 Base Amount \$ _____					

1.2.2 Bid Options

This contract will be solicited with options required for specifically selected work. A description of the options and schedule of the unit price work is contained in Standard Form 1442, "Solicitation, Offer and Award."

Bid Options Form					
eProjects # 1356489					
Item 002 Option 1 Berth 11C					
Basis of Bid for Item 002 shall be the Total Amount for Item 002 (Items 002 01 and 002 02), complete in accordance with the drawings and specifications, but not including work indicated or specified to be provided under any other Bid Options.					
(i) Item 002 01, Option 1 Bulkhead at Berth 11C					
Basis of Bid for Item 002 01 shall be the addition of the following work:					
Provision of all work associated with the shutter panel bulkhead at Berth 11C, including dredging, king piles, concrete shutter panels, steel wales, drilled rock anchors, cast-in-place concrete at upper portion of bulkhead, and all incidental and related work.					
Item	Description	Estimated Quantity	Unit	Unit Price	Amount
002 01a	All work complete in accordance with the drawings and specifications but not including the work indicated or specified under 002 01b and 001 01c.	1	LS	XXX	\$ _____
002 01b	King Piles	2361	LF	\$ _____	\$ _____
002 01c	Rock Anchors	3360	LF	\$ _____	\$ _____
Total Amount for Item 002 01, Option 1 Bulkhead at Berth 11C \$ _____					
(ii) Item 002 02, Option 1 In Lieu Fee (ILF) Payment					
Provision for the payment of the In Lieu Fee compensation to the State of Maine Department of Environmental Protection for the impacts associated with the Option 1 bulkhead work at Berth 11C.					

Bid Options Form	
Total Amount for Item 002 02, Option 1 In Lieu Fee (ILF) Payment \$_____	
Total Amount for Item 002 \$_____	
Item 003, Option 2 Extend Depth of Shutter Panels at Berth 11A	
Basis of Bid for Item 003 shall be the addition of the following work complete:	
Provision of all work associated with furnishing and installing concrete shutter panels at the east end of Berth 11A to a deeper elevation between King Piles 3 and 6, as indicated on the drawings. The work includes the additional dredging, temporary support of excavation and all incidental and related work.	
Total Amount for Item 003 \$_____	
Item 004, Option 3 Extend Depth of Sheeting at Berth 11A	
Basis of Bid for Item 004 shall be the addition of the following work complete:	
Provision of all work associated with furnishing and installing the steel sheet piling at the east end of the Berth 11A to a deeper tip elevation, as indicated on the drawings, and all incidental and related work.	
Total Amount for Item 004 \$_____	
Item 005, Option 4 Extend Depth of Sheeting and Increase Wall Capacity at Berth 11A	
Basis of Bid for Item 005 shall be the addition of the following work complete:	
Provision of all work associated with furnishing and installing the steel sheet piling at the east end of Berth 11A to a deeper tip elevation, as indicated on the drawings. The work also includes increasing the size of the cover plates on the steel sheet piling, upsizing of the wales and rock anchors as indicated on the drawings, and all incidental and related work.	
Total Amount for Item 005 \$_____	

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Bid Options Form
<p>Item 006, Option 5 Service Platform at Berth 11C</p> <p>Basis of Bid for Item 006 shall be the addition of the following work complete:</p> <p>Provision of all work associated with furnishing and installing a steel service platform on the elevated timber deck at Berth 11C. The work also includes modifications to the existing framing and wharf necessary to support the platform as indicated on the drawings, and all incidental and related work.</p>
<p>Total Amount for Item 006 \$ _____</p>
<p>Item 007, Option 6 Equipment Platform</p> <p>Basis of Bid for Item 007 shall be the addition of the following work complete:</p> <p>Provision of all work associated with furnishing and installing a steel equipment platform on the elevated timber deck. The work also includes select concrete deck demolition and restoration, two equipment platform support piles, needle beam, modifications to the existing framing and wharf necessary to support the platform as indicated on the drawings, and all incidental and related work.</p>
<p>Total Amount for Item 007 \$ _____</p>
<p>Item 008, Option 7 Service Boom Foundations</p> <p>Basis of Bid for Item 008 shall be the addition of the following work complete:</p> <p>Provision of all work associated with furnishing and installing the framing and modifications to the existing framing and wharf necessary to accommodate service booms as indicated on the drawings, and all incidental and related work.</p>
<p>Total Amount for Item 008 \$ _____</p>
<p>Item 009, Option 8 Fiber Optics</p> <p>Basis of Bid for Item 009 shall be the addition of the following work complete:</p> <p>Provision of all work associated with furnishing and installing fiber optic lines and all incidental and related work as indicated on the drawings.</p>
<p>Total Amount for Item 009 \$ _____</p>

Item 010, Option 9 Telephone
Basis of Bid for Item 009 shall be the addition of the following work complete: Provision of all work associated with furnishing and installing telephone lines and all incidental and related work as indicated on the drawings.
Total Amount for Item 010 \$ _____

1.2.3 Explanation of Bid Items

Total amount of Base Amount Item 001 shall provide the full project scope, excluding Bid Options defined below, complete in place in accordance with the drawings and specifications even if not specifically listed.
Explanation of specific work items as defined as follows:

001 01: Structural Repairs at Berth 11A includes removal and disposal of existing timber fender system, curbs, and miscellaneous items, providing steel sheet pile and rock socketed king piles with concrete shutter panel bulkheads, rock anchors and support piles from Drydock No. 1 to the west end of Berth 11A (defined herein as King Pile No. 31); providing probes, dredging and sediment disposal, temporary support of excavation, concrete shutter panels, steel wales, cast-in-place concrete above shutter panels; providing backfill under the existing wharf behind the bulkheads; providing a new deck between the bulkhead and the existing wharf deck, extending storm drainage discharge pipes through the bulkhead, removing and reconstructing areas of existing concrete wharf deck for fill placement, providing access covers in the existing concrete deck, providing deck fittings, repairing the existing wharf (deck, beams, pile caps and pile jackets), lighting, utilities, duct bank repairs, temporary HP Air Compressor, wheeler line work; providing lighted warning signs, and incidental and related work. The work includes all work associated with bulkhead, king piles, rock anchors, support piles, and repair work as described herein.

001 02: Structural Repairs at Berth 11B includes removal and disposal of existing timber fender system, FRP Catwalk, fabricated bollards at existing master piles, and miscellaneous items; providing a rock socketed king pile with concrete shutter panel bulkhead, rock anchors and support piles at Berth 11B (between and including King Pile Nos. 31 and 58) and a return bulkhead under the existing wharf deck (return wall soldier piles, sheeting and lagging); providing probes, dredging and sediment disposal, temporary support of excavation, concrete shutter panels, steel wales, cast-in-place concrete above shutter panels; providing backfill under the existing wharf behind the bulkheads; providing a new deck between the bulkhead and the existing wharf deck, extending storm drainage discharge pipes through the bulkhead, removing and reconstructing areas of existing concrete wharf deck for fill placement, providing access covers in the existing concrete deck, providing deck fittings, repairing the existing wharf (deck, beams, pile caps and pile jackets), utilities, temporary HP Air Compressor, and duct bank repairs; providing lighted warning signs, and incidental and related work. The work includes all work associated with bulkhead, king piles, rock anchors, support piles, and repair work as described herein.

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001 03: Structural Repairs at Berth 11C includes support piles (from King Pile No. 58 to the west end of Berth 11C) and repairing the existing wharf (deck, beams, pile caps and pile jackets); providing utilities, lighted warning signs, and incidental and related work. The work includes all work associated with support piles, and repair work as described herein.

001 01b and 001 02b: King Piles include provision of all work associated with the King Piles including but not limited to furnishing labor, materials, tools, equipment and incidentals required for drilling and concreting the rock sockets, furnishing and installing King Piles, pile cut off, and all incidental and related work.

001 01c and 001 02c: Rock Anchors include provision of all work associated with the Rock Anchors including but not limited to furnishing labor, materials, tools, equipment and incidentals required for drilling, grouting and testing for the rock anchors, and all incidental and related work.

001 01d, 001 02d and 001 03b: Support Piles include provision of all work associated with the crane rail beam support piles including but not limited to furnishing labor, materials, tools, equipment and incidentals required for installation of the piles, jacking brackets, jacking, driving the H-Piles, pile testing, pile cut off, connections to the existing crane beams, concrete encasement of the connection, and all incidental and related work. Return wall soldier piles and equipment platform piles are not part of this item and are included as part of their respective Lump Sum items.

001 01e, 001 02e and 001 03c Pile Jack Repairs include provision of all work associated with the repair of the existing pile jackets including but not limited to furnishing labor, materials, tools, equipment and incidentals required for the removal and disposal of unsound material, cleaning, installation of corrosion protection, concrete fill and installation of jackets, and all incidental and related work.

001 01f, 001 02f and 001 03d: Concrete Repair Type A includes the price for all work associated with the repair of horizontal (topside) deck surfaces up to 1-1/2" deep or less than 10 square feet. Work includes but is not limited to furnishing labor, materials, tools, equipment and incidentals required for sawcutting, local demolition, surface preparation, reinforcing, patching and curing, and all incidental and related work.

001 01g, 001 02g and 001 03e: Concrete Repair Type A1 includes the price for all work associated with the repair of vertical and overhead surfaces up to 1-1/2" deep or less than 10 square feet. Work includes but is not limited to furnishing labor, materials, tools, equipment and incidentals required for sawcutting, local demolition, surface preparation, reinforcing, patching and curing, and all incidental and related work.

001 01h, 001 02h and 001 03f: Concrete Repair Type B includes the price for all work associated with the repair of horizontal (topside) deck surfaces greater than 1-1/2" deep and greater than 10 square feet. Work includes but is not limited to furnishing labor, materials, tools, equipment and incidentals required for sawcutting, local demolition, surface preparation, reinforcing, patching and curing, and all incidental and related work.

001 01i, 001 02i and 001 03g: Concrete Repair Type B1 includes the price

for all work associated with the repair of vertical and overhead deck, beam and pile cap surfaces greater than 1-1/2" deep and greater than 10 square feet. Work includes but is not limited to furnishing labor, materials, tools, equipment and incidentals required for sawcutting, local demolition, surface preparation, reinforcing, patching and curing, and all incidental and related work.

001 01j, 001 02j and 001 03h: Concrete Repair Type C1 includes the price for all work associated with the repair of overhead repair of the bottom encasement of the beam and pile caps greater than 1-1/2" deep. Work includes but is not limited to furnishing labor, materials, tools, equipment and incidentals required for sawcutting, local demolition, surface preparation, reinforcing, patching and curing, and all incidental and related work.

001 01k, 001 02k and 001 03i: Concrete Crack Repair Type D includes the price for all work associated with the repair of cracks in the deck, beams and pile caps. Work includes but is not limited to furnishing labor, materials, tools, equipment and incidentals required for routing the crack, cleaning, surface preparation, patching/sealing the crack, and all incidental and related work.

001 04: Base Bid In Lieu Fee (ILF) Payment includes the price for the ILF compensation payment to be made by the Contractor to the State of Maine Department of Environmental Protection for the environmental impacts resulting from the base bid work.

001 05: Temporary High Pressure Air Compressor Equipment includes the added price for all work associated with furnishing, installing, servicing and demobilizing the temporary high pressure air compressor, and all incidental and related work. The work includes all work associated with the delivery and rental as described below.

001 05a: Delivery of the temporary HP Air compressor includes the added price for all work associated with furnishing, installing, setup, testing, demobilization and removal of the compressor from the Shipyard and all incidental and related work. Relocate the temporary HP Air compressor from Berth 11C to Drydock 1 and back, including connecting, testing and all related work. These relocations will be paid for as a delivery.

001 05b: Rental of the temporary HP Air compressor includes the added price for all work associated with renting and servicing the temporary HP Air compressor and all incidental and related work.

1.2.4 Explanation of Bid Options:

002 01 Option 1: Bulkhead at Berth 11C includes the price for removal and disposal of existing timber fender system, FRP Catwalk, fabricated bollards at existing master piles, and miscellaneous items; providing a rock socketed king pile and concrete shutter panel bulkhead with rock anchors at Berth 11C and support piles (between King Pile Nos. 59 and 93, including the shutter panels, wales and rock anchors between King Piles 58 and 59) and installing the return bulkhead (return wall soldier piles, sheeting and lagging) at the west end of Berth 11C in lieu of the return at King Piles 58; providing probes, dredging and sediment disposal, temporary support of excavation, concrete shutter panels, steel wales, cast-in-place concrete above shutter panels; providing backfill under the existing wharf behind the bulkheads; providing a new deck between the

bulkhead and the existing wharf deck, extending storm drainage discharge pipes through the bulkhead, removing and reconstructing areas of existing concrete wharf deck for fill placement, providing access covers in the existing concrete deck, providing deck fittings and utilities; providing lighted warning signs, and incidental and related work. The work includes all work associated with bulkhead, king piles and rock anchors as described herein.

002 01b Option 1: Bulkhead includes the added price for all work associated with the bulkheads as explained for item 001 01b above.

002 01c Option 1: King Piles includes the added price for all work associated with the king piles as explained for item 001 01c above.

002 01d Option 1: Rock Anchors includes the added price for all work associated with the rock anchors as explained for item 001 01d above.

002 02: Option 1 In Lieu Fee (ILF) Payment includes the price for the ILF compensation payment to be made by the Contractor to the State of Maine Department of Environmental Protection for the environmental impacts resulting from the Option 1 work.

003 Option 2: Extend Depth of Shutter Panels at Berth 11A includes the added price for all work associated with furnishing and installing the additional concrete shutter panels to the depths shown on the drawings. The work includes additional dredging and associated work, temporary excavation support, grouting and all incidental and related work.

004 Option 3: Extend Depth of Sheeting at Berth 11A includes the added price for all work associated with furnishing and installing the additional steel sheet piling to the depths shown on the drawings. The work includes all incidental and related work.

005 Option 4: Extend Depth of Sheeting and Increase Wall Capacity at Berth 11A includes the added price for all work associated with furnishing and installing the additional steel sheet piling and increasing the capacity of the bulkhead in this area to the depths shown on the drawings. The work includes additional depth of the sheets, increased size of the cover plates, wales and rock anchors, and all incidental and related work.

006 Option 5: Service Platform at Berth 11C includes the added price for all work associated with furnishing and installing the service platform at Berth 11C, including the supports and modifications to the existing framing, and all incidental and related work.

007 Option 6: Equipment Platform includes the added price for all work associated with furnishing and installing the equipment platform, including two equipment platform piles, needle beam, select concrete deck demolition and restoration, the supports and modifications to the existing framing, and all incidental and related work.

008 Option 7: Service Boom Foundations includes the added price for all work associated with furnishing and installing the foundations for service booms, including the supports and modifications to the existing framing, and all incidental and related work.

009 Option 8: Fiber Optics includes the added price for all work associated with furnishing and installing the fiber optics as indicated on the plans, and all incidental and related work.

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010 Option 9: Telephone includes the added price for all work associated with furnishing and installing the telephone as indicated on the plans, and all incidental and related work.

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