

Bridge 2 Structural Steel Recoating and Repairs
Portsmouth Naval Shipyard, Kittery, ME

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."
- b. 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.
- c. 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.
- d. 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.
- e. 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."

CLIN 0001 Form (Bridge 2 Structural Steel Recoating and Repairs Base Bid)
The Total Amount for CLIN 001 shall provide the full project scope, complete and in place in accordance with the drawings and specifications even if not specifically listed below.
CLIN 0001AA Recoat Steel Elements
Provision of all work for recoating the steel elements of the bridge.
Basis of Bid for CLIN 0001AA shall be the Total Amount for CLIN 0001AA, but

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CLIN 0001 Form (Bridge 2 Structural Steel Recoating and Repairs Base Bid)					
not including the work indicated or specified to be provided under any other CLIN.					
CLIN 0001AA \$					
CLIN 0001AB Repair Structural Steel Elements					
Provision of all work for repairing structural steel elements of the bridge.					
Basis of Bid for CLIN 0001AB shall be the Total Amount for CLIN 0001AB, but not including the work indicated or specified to be provided under any other CLIN.					
CLIN 0001AB \$					
CLIN 0001AC Repair East Safety Railings					
Provision of all work for repairing the east safety railings.					
Basis of Bid for CLIN 0001AC shall be the Total Amount for CLIN 0001AC, but not including the work indicated or specified to be provided under any other CLIN.					
CLIN 0001AC \$					
CLIN 0001AD Repair West Safety Railings					
Provision of all work for repairing the west safety railings.					
Basis of Bid for CLIN 0001AD shall be the Total Amount for CLIN 0001AD, but not including the work indicated or specified to be provided under any other CLIN.					
CLIN 0001AD \$					
CLIN 0001AE Repair Expansion Joints					
Provision of all work for repairing the expansion joints.					
Basis of Bid for CLIN 0001AE shall be the Total Amount for CLIN 0001AE, but not including the work indicated or specified to be provided under any other CLIN.					
CLIN	Description	Estimated Quantity	Unit	Unit Price	Amount
	All work completed in accordance with the drawings and specifications for CLIN 0001AE	2	EA	\$ _____	\$ _____
CLIN 0001AE \$					
CLIN 0001AF Reconstruct North Approach					
Provision of all work for the north approach reconstruction.					
Basis of Bid for CLIN 0001AF shall be the Total Amount for CLIN 0001AF, but not including the work indicated or specified to be provided under any other CLIN.					
CLIN 0001AF \$					
CLIN 0001AG Repave Bridge and South Approach					
Provision of all work for repaving bridge and south approach.					

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CLIN 0001 Form (Bridge 2 Structural Steel Recoating and Repairs Base Bid)
<p>Basis of Bid for CLIN 0001AG shall be the Total Amount for CLIN 0001AG, but not including the work indicated or specified to be provided under any other CLIN.</p> <p style="text-align: right;">CLIN 0001AG \$ _____</p>
<p>CLIN 0001AH Repair Concrete Bridge Deck</p> <p>Provision of all work for repairing concrete bridge deck.</p> <p>Basis of Bid for CLIN 0001AH shall be the Total Amount for CLIN 0001AH, but not including the work indicated or specified to be provided under any other CLIN.</p> <p style="text-align: right;">CLIN 0001AH \$ _____</p>
<p>CLIN 0001AI Provide Vehicle Barrier</p> <p>Provision of all work for providing vehicle barrier.</p> <p>Basis of Bid for CLIN 0001AI shall be the Total Amount for CLIN 0001AI, but not including the work indicated or specified to be provided under any other CLIN.</p> <p style="text-align: right;">CLIN 0001AI \$ _____</p>
<p>CLIN 0001AJ Provide Guardrail Markers</p> <p>Provision of all work for providing the guardrail markers.</p> <p>Basis of Bid for CLIN 0001AJ shall be the Total Amount for CLIN 0001AJ, but not including the work indicated or specified to be provided under any other CLIN.</p> <p style="text-align: right;">CLIN 0001AJ \$ _____</p>
<p>CLIN 0001AK Provide Archaeological Monitoring</p> <p>Provision of all work related to providing archaeological monitoring during soil disturbing activities.</p> <p>Basis of Bid for CLIN 0001AK shall be the Total Amount for CLIN 0001AK, but not including the work indicated or specified to be provided under any other CLIN.</p> <p style="text-align: right;">CLIN 0001AK \$ _____</p>
<p style="text-align: center;">Total Amount for CLIN 0001 (CLINS 0001AA - 0001AK) \$ _____</p>

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1.2.2 Bid Options

1.2.2.1 Bridge 2 Structural Steel Recoating and Repairs Bid Options

The Bridge 2 Structural Steel Recoating and Repairs 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."

Options Form (Bridge 2 Structural Steel Recoating and Repairs)					
CLIN 0002: Option 01 - Additional Recoating of Steel Elements					
Basis of Bid for CLIN 0002 shall be the addition of the following work complete:					
Provision of all work associated with cleaning and recoating an additional 1,000 square feet of steel.					
CLIN	Description	Estimated Quantity	Unit	Unit Price	Amount
	All work completed in accordance with the drawings and specifications for CLIN 0002	1,000	SF	\$ _____	\$ _____
CLIN 0002 \$ _____					
CLIN 0003: Option 02 - Additional Steel Repairs					
Basis of Bid for CLIN 0003 shall be the addition of the following work complete:					
Provision of all work associated with providing an additional 1,500 lbs of steel repairs assuming that each repair piece is on the order of magnitude of 150 lbs.					
CLIN	Description	Estimated Quantity	Unit	Unit Price	Amount
	All work completed in accordance with the drawings and specifications for CLIN 0003	1,500	LBS	\$ _____	\$ _____
CLIN 0003 \$ _____					

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CLIN 0004: Option 03 - Additional Approach Repaving					
Basis of Bid for CLIN 0004 shall be the addition of the following work complete:					
Provision of all work associated with providing an additional 10,000 square feet of paving adjacent to the site.					
CLIN	Description	Estimated Quantity	Unit	Unit Price	Amount
	All work completed in accordance with the drawings and specifications for CLIN 0004	10,000	SF	\$ _____	\$ _____
CLIN 0004 \$ _____					
CLIN 0005: Option 04 - Additional Concrete Bridge Deck Spall Repairs					
Basis of Bid for CLIN 0005 shall be the addition of the following work complete:					
Provision of all work associated with repairing an additional 250 square feet at a 4-inch depth of concrete spall repairs.					
CLIN	Description	Estimated Quantity	Unit	Unit Price	Amount
	All work completed in accordance with the drawings and specifications for CLIN 0005	250	SF	\$ _____	\$ _____
CLIN 0005 \$ _____					
CLIN 0006: Option 05 - Provide High-Performance Waterproofing Membrane					
Basis of Bid for CLIN 0006 shall be the addition of the following work complete:					
Provision of all work associated with providing approximately 667 square yards of waterproofing membrane onto the concrete bridge deck.					
CLIN	Description	Estimated Quantity	Unit	Unit Price	Amount
	All work completed in accordance with the drawings and specifications for CLIN 0006	667	SY	\$ _____	\$ _____
CLIN 0006 \$ _____					

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1.2.3 Explanation of Bid Items

1.2.3.1 Explanation of Bridge 2 Structural Steel Recoating and Repairs
Bid Items

The total amount of Base Amount CLIN 0001 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:

CLIN 0001AA: Recoat Steel Elements - includes all Bridge 2 Structural Steel Recoating and Repairs work not included in CLIN 0001AB through 0001AK and includes, but is not limited to, installation of a containment system; removal and disposal of existing coating system; cleaning and preparing the steel; installation of the coating system; providing all necessary labor, material, and incidentals for all other work associated with the recoating of the bridge's steel elements.

CLIN 0001AB: Repair Structural Steel Elements - includes all Bridge 2 Structural Steel Recoating and Repairs work not included in CLIN 0001AA and 0001AC through 0001AK and includes, but is not limited to, removal and disposal of heavily corroded steel elements; providing steel repairs; providing all necessary labor, material, and incidentals for all other work associated with the repairing of the structural steel elements.

CLIN 0001AC: Repair East Safety Railings - includes all Bridge 2 Structural Steel Recoating and Repairs work not included in CLIN 0001AA to 0001AB and 0001AD through 0001AK and includes, but is not limited to, removal of heavily corroded elements; providing steel repairs; removal and disposal of the existing coating system; cleaning and recoating the east safety railings; providing all necessary labor, material, and incidentals for all other work associated with repairing the east safety railings.

CLIN 0001AD: Repair West Safety Railings - includes all Bridge 2 Structural Steel Recoating and Repairs work not included in CLIN 0001AA to 0001AC and 0001AE through 0001AK and includes, but is not limited to, removal of the west safety railings; providing a temporary railing; providing steel repairs; removal and disposal of the existing coating system; shop coating the railings; re-installation of the railings; providing all necessary labor, material, and incidentals for all other work associated with repairing the west safety railings.

CLIN 0001AE: Repair Expansion Joints - includes all Bridge 2 Structural Steel Recoating and Repairs work not included in CLIN 0001AA to 0001AD and 0001AF through 0001AK and includes, but is not limited to, removal and disposal of existing expansion joint armoring; partial removal of the concrete deck and back walls; providing expansion joint armoring; providing steel reinforcement and concrete repairs; field welding the joint at the phased joint location; providing a compression seal; providing all necessary labor, material, and incidentals for all other work associated with repairing the expansion joints.

CLIN 0001AF: North Approach Reconstruction - includes all Bridge 2 Structural Steel Recoating and Repairs work not included in CLIN 0001AA to 0001AE and 0001AG through 0001AK and includes, but is not limited to, removal and disposal of existing pavement and pop-up barrier's concrete slab; removal and disposal of three site bollards; excavating and disposal

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of soil; removal and disposal of existing pop-up barrier controls; removal and disposal of existing traffic lights; removal and disposal of the existing pop-up barrier's underground conduits; removal and disposal of existing pop-up barrier; removal and disposal of existing concrete sidewalk; compacting base material; forming and placing reinforced concrete pop-up barrier slab; providing underground electrical and hydraulic lines; providing electrical lines from the pop-up barrier system to the gate house; providing controls at the existing gate house; providing traffic lights; providing signage; providing and monitoring erosion and sediment control measures; providing all necessary labor, material, and incidentals for all other work associated with the north approach reconstruction.

CLIN 0001AG: Repave Bridge and South Approach - includes all Bridge 2 Structural Steel Recoating and Repairs work not included in CLIN 0001AA to 0001AF and 0001AH through 0001AK and includes, but is not limited to, removal and disposal of existing pavement; providing sub-base material; compacting base material; providing pavement; providing pavement markings; providing all necessary labor, material, and incidentals for all other work associated with the repaving of the bridge and south approach.

CLIN 0001AH: Repair Concrete Bridge Deck - includes all Bridge 2 Structural Steel Recoating and Repairs work not included in CLIN 0001AA to 0001AG and 0001AI through 0001AK and includes, but is not limited to, removal and disposal of deteriorated concrete; providing repairs to the concrete deck; providing all necessary labor, material, and incidentals for all other work associated with the repairing of the concrete bridge deck.

CLIN 0001AI: Provide Vehicle Barrier - includes all Bridge 2 Structural Steel Recoating and Repairs work not included in CLIN 0001AA to 0001AH and 0001AJ to 0001AK and includes, but is not limited to, performing selective demolition of the concrete sidewalk and bridge deck; providing the concrete vehicle barrier and rail on both sides of the bridge; providing all necessary labor, material, and incidentals for all other work associated with providing the vehicle barrier.

CLIN 0001AJ: Provide Guardrail Markers - includes all Bridge 2 Structural Steel Recoating and Repairs work not included in CLIN 0001AA to 0001AI and 0001AK includes, but is not limited to, providing object markers on the south approach guardrail located on both sides of the bridge; providing all necessary labor, material, and incidentals for all other work associated with providing object markers.

CLIN 0001AK: Provide Archaeological Monitoring - includes all Bridge 2 Structural Steel Recoating and Repairs work not included in CLIN 0001AA to 0001AJ and includes, but is not limited to, providing all necessary labor, material, and incidentals for archaeological monitoring of soil disturbance activities within the project site.

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1.2.4 Explanation of Bridge 2 Structural Steel Recoating and Repairs Bid Options:

CLIN 0002: Option 01 - Additional Recoating of Steel Elements includes the added price for all work associated with removal and disposal of the existing coating system; cleaning and preparing the steel elements; installation of the coating system; providing all necessary labor, material, and incidentals for all other work associated with the recoating of the additional bridge's steel elements. (Note: this excludes the work included in base bid CLINs).

CLIN 0003: Option 02 - Additional Steel Repairs includes the added price for all work associated with removal and disposal of heavily corroded steel elements; providing steel repairs; providing all necessary labor, material, and incidentals for all other work associated with repairing the structural steel elements. (Note: this excludes the work included in the base bid CLINs).

CLIN 0004: Option 03 - Additional Approach Repaving includes the added price for all work associated with removal and disposal of existing pavement; providing pavement; providing pavement markings; providing all necessary labor, material, and incidentals for all other work associated with the repaving of the additional approach areas adjacent to the project site. (Note: this excludes the work included in the base bid CLINs).

CLIN 0005: Option 04 - Additional Concrete Bridge Deck Spall Repairs includes the added price for all work associated with removal and disposal of deteriorated concrete; providing repairs to the concrete deck; providing all other necessary labor, material, and incidentals for work related to repairing the concrete bridge deck. (Note: this excludes the work included in the base bid CLINs).

CLIN 0006: Option 05 - Provide High-Performance Waterproofing Membrane includes the added price for all work associated with preparing the existing concrete deck; providing a high-performance waterproofing membrane and providing all other incidental and related work. (Note: this excludes the work included in the base bid CLINs).