

**RHODE ISLAND TURNPIKE AND BRIDGE AUTHORITY
JAMESTOWN, RHODE ISLAND**

CONTRACT NO. 22-08

**MOUNT HOPE BRIDGE AND NEWPORT PELL BRIDGE
ROADWAY DECK REPAIRS**

ADDENDUM No. 1

SEPTEMBER 19, 2023

ADDENDUM No. 1

Rhode Island Turnpike and Bridge Authority Contract 22-08
Mount Hope Bridge and Newport Pell Bridge Roadway Deck Repairs

ATTENTION BIDDERS

Please be advised, RITBA will be issuing Addendum 2 in the near future. Addendum 2 will extend the date for questions, the bid date, and other dates. Addendum 2 will provide additional clarification of working hours for the Mount Hope Bridge work.

INSTRUCTIONS TO BIDDERS:

Addendum No. 1 Includes

1. Pre-Bid Meeting PowerPoint Presentation. See Attachment D.
2. Answers to the following Pre-Bid questions:

Q1 – Please clarify the completion dates listed: one is 5/17/2024 (page A-3) and the other is 12/31/2025 (page I-31).

A1 – This will be addressed in Addendum 2.

Q2 – There is a note in the specs that says some repair areas are under the movable barrier on the Newport bridge and the removal and replacement of the median barrier to access the repair is incidental to the repair item. Please consider a separate pay item for the removal and replacement of the barrier.

A2 – No separate cost for work under the movable barrier is included - the barrier will be moved by RITBA if required for access to repairs.

Q3 – Please clarify Note 9 on Sheet 5 of 8 of the project plans regarding power washing.

A3 – Power washing relates to surface preparation for patches exposed to traffic for longer than 3 days before the application of sealer. See revised specification Section 818 included with this addendum.

Q4 – Will a staging/storage area be provided by RITBA at the Mt Hope Bridge and Newport Bridge?

A4 – See the Pre-Bid Meeting PowerPoint Presentation included with this Addendum.

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Q5 – Please confirm that the deck repair operations will be allowed to proceed, as has been typical in the past, in an orderly/efficient fashion progressing from one end of the bridge to the other rather than a “hop scotching” , location to location manner.

A5 – Yes, work will be progressed in a logical efficient fashion.

Q6 – Pg 6: complete all work on this Contract by May 17, 2024

Pg 68: 108.07 DETERMINATION AND EXTENSION OF CONTRACT TIME

Delete this subsection in its entirety and substitute the following:

Contractor shall complete all work by December 31, 2025.

Please clarify the dates.

A6 – See Answer A1 above.

Q7 – Pg 8: There is a Minority/Disadvantaged/Woman-Owned Business Enterprise Program for this project. The percentage goal for this project is 10% of the overall bid price (excluding Optional Pay Items).

Pg. 28: Contractor shall affirmatively strive for a minimum participation goal of 15% (to be split 7.5% Minority-Owned business, 7.5% Woman-Owned business) of the overall bid price of the above-named project (excluding Optional/On-Call Pay Items)

Pg 46: The percentage goal for this Contract is 10% of the overall bid price.

Please clarify the percentages.

A7 – See Section 3 below and Attachments B and C.

3. Revisions to the Supplementary Specifications include:

- i. In Proposal on Page P-1, REPLACE the last sentence with: “The percentage goal for this project is 15% of the overall bid price (excluding Optional Pay Items).”
- ii. In subsection 102.14, Page I-9, REPLACE the last sentence with: “The percentage goal for this Contract is 15% of the overall bid price.”
- iii. In subsection 818.03, Page II-4, ADD subsection 818.03.6 (See Attachment B)

4. Revisions to the following Drawings:

- i. None.

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REVISIONS TO CONTRACT DRAWINGS

No replacement drawings provided.

REVISIONS TO SUPPLEMENTARY SPECIFICATIONS

See Attachment B

REVISIONS TO PROPOSAL

See Attachment C

ADDITIONAL INFORMATION

See Attachment D

Attachments:

Attachment A – Not used

Attachment B – Revised Supplementary Specifications

Attachment C – Revised Proposal Sheet

Attachment D – Additional Information

Attachment E – Acknowledgement of Revisions

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ATTACHMENT B

REVISED SUPPLEMENTARY SPECIFICATIONS

By submission of a Proposal, each bidder and each person signing a Proposal that includes the Minority/Disadvantaged/Woman-Owned Business Enterprise Affidavit certifies that the organization shall affirmatively seek out and consider Minority/Disadvantaged/Woman-Owned Business Enterprises to participate in the contract, and develop and submit for approval to the Authority, within ten days of the receipt of bids, a Minority/Disadvantaged/Woman-Owned Business Enterprise Program in accordance with the provisions of the Minority/Disadvantaged/Woman-Owned Business Enterprise Affidavit.

The percentage goal for this Contract is ~~15%~~10% of the overall bid price.

102.15 NON-MANDATORY PRE-BID CONFERENCE (Add this new Subsection)

The Rhode Island Turnpike and Bridge Authority will hold a non-mandatory pre-bid conference concerning this contract, titled, Contract 22-08 Mount Hope Bridge and Newport Pell Bridge Roadway Deck Repairs. The conference will be held via Teams format at 1:30 PM on September 12, 2023. All bidders are encouraged to have a representative in attendance – please email the email addresses of attendees to procurement@ritba.org.

END OF SECTION 102

DIVISION II

CONSTRUCTION DETAILS

The applicable requirements of the Standard Specifications shall apply except as modified and supplemented by the following and the Contract Drawings.

SECTION 818 – PORTLAND CEMENT CONCRETE BRIDGE DECK REPAIR

818.01 DESCRIPTION

Delete the first paragraph and replace with the following:

This work shall consist of: locating, under the direction of the Engineer, spalled or delaminated areas for the length and width of the Mount Hope bridge deck from curb to curb and abutment to abutment and performing concrete deck repairs.

Additionally, work shall include the following Optional Work to be performed at the direction of the Engineer: Locating spalled or delaminated areas on the Newport Pell Bridge deck within areas and to the extent directed by the Engineer and performing concrete repairs.

Work (both under base contract pay items and optional work pay items) shall include delineating the extents of individual spalls or delaminations under the direction of the Engineer; saw-cutting the perimeter as defined to depth shown on Contract Drawings; removing deteriorated concrete within sawcut limits; coating existing steel exposed by concrete removal with Zinc-Rich Rebar Primer; providing formwork as required for full depth patch repairs; and furnishing and placing rapid-setting concrete with aggregate, all as indicated in the Plans and in accordance with these Specifications. Removal of all debris to the satisfaction of the Engineer and proper disposal is considered incidental and shall be included within the Contract Unit Price per Square Foot Bid.

Newport Pell Bridge Specific Information:

The Contractor's attention is drawn to the fact that the Newport Pell Bridge has a movable median barrier. The median barrier will require localized movements to perform patch repairs located at the centerline of the bridge. Segments of the barrier can be moved locally to access the centerline deck area for repairs. Work associated with the movement/replacement of localized sections of the median barrier is incidental and will not be measured for separate payment.

All work for this item shall be coordinated with the RITBA maintenance department, other on-going bridge work that may require lane outages, and any other incidental work in accordance with the requirements of Subsection 104.08 of these Specifications.

Delete paragraphs (a) and (b) without replacement.

818.02 MATERIALS

818.02.1 Concrete

Delete the first paragraph in its entirety and replace with the following:

Cement for deck repairs on both the Newport Pell and Mount Hope Bridges shall be Quikrete® Rapid Road Repair with Fibers® meeting all minimum requirements corresponding to Class HP(AE) material as set forth in Subsections 601.01.1 and 601.03.1, Classification and Proportioning, respectively, with the following modifications, using the maximum aggregate extension specified by the manufacturer and accepted by the Engineer

Delete the last paragraph beginning with, “Field conditions...” in its entirety without replacement.

818.02.2 Epoxy Adhesive

Add the following:

Epoxy Adhesive shall be used as indicated in Contract Drawings.

818.02.3 Corrosion Inhibitors (Add this new section)

For both bridges, Conproco ECB or ThoRoc Zinc-Rich Rebar Primer or approved equal shall be applied to all cleaned steel surfaces in accordance with the manufacturer’s recommendations and accepted by the Engineer.

818.03 CONSTRUCTION METHODS

818.03.1 Removal of Deteriorated Concrete

In the third paragraph, replace “of 3/4-inch” with “as indicated on the Contract Drawings”.

In the fifth paragraph, replace “30-pound” with “20-pound” and “15-pound” with “10-pound”.

For Mount Hope only, delete the sixth paragraph in its entirety and replace with the following:

In areas where grid bars are found to be entirely surrounded by deteriorated concrete or where the entire cross bar is exposed by the removal of deteriorated concrete, additional concrete removal shall be performed to provide a minimum of $\frac{3}{4}$ -inch below the top surface of the cross bar and main bearing bar as applicable.

818.03.2 Preparation of Sound Concrete and Reinforcing

In the second paragraph, replace all references to “epoxy adhesive” with “epoxy adhesive or ThoRoc Zinc-Rich Rebar Primer as indicated on the Contract Drawings”.

At the end of this section, add the following paragraph:

Following the manufacturer’s recommended cure period, all surfaces shall be moistened with clean water and all excess standing water removed by vacuuming or clean rags for a saturated surface dry condition.

818.03.3 Forms for Full Depth Removal

Add the following at the end of this subsection:

Newport Pell Bridge: Under the Formwork Installation Optional Work Contract Allowance, full depth joint repairs shall be performed as directed by the RITBA utilizing time and materials costs for the additional work of installing the required formwork (including labor, equipment, and material specific to that work), with all other costs covered by the daily and unit price costs provided for the partial depth repairs. Forms installed for full-depth patch repairs are the responsibility of the Contractor and the Contractor shall ensure that the forms, while left in place, are sound and intact and that there is no danger of the form or any part thereof falling. The forms shall be removed by the Contractor before the end milestone date of the contract or within one year of installation or when required due to form condition – whichever comes first.

818.03.4 Epoxy Adhesive

Add the following:

Epoxy Adhesive shall be used as indicated in Contract Drawings.

818.03.5 Placing and Finishing Concrete

Add the following to the end of the first paragraph:

The elevation of the patches, when fully cured shall match the elevation of the adjacent existing concrete as closely as possible to minimize effects to ride quality.

Add the following at the end of the second paragraph:

The surface of the new concrete shall be provided with a surface texture to match the existing surface as closely as possible. At each differing surface texture, the Contractor shall provide a plan for providing this finish to the Engineer before the start of work and perform a minimum of five square feet sample for approval by the Engineer before the start of work. Immediately following float finishing, the surface shall be transversely broomed to an amplitude of at least 1/16-inch.

Curing shall be performed as required by the manufacturer of the repair material. Traffic may be permitted on full and partial depth patch repairs after curing periods as defined by the manufacturer and as approved by the Engineer.

Delete the fourth and fifth paragraphs in their entirety without replacement.

Add the following paragraph:

Once patching is started, it shall be continued on a daily basis, weather and lane outages permitting, and completed in one continuous operation.

818.03.6 Application of Penetrating Sealer to Patches (Add this new section)

Newport/Pell Bridge: After the patched area has cured completely, and not later than 3 days after the patch is placed, apply penetrating sealer on patch area to at least 3 inches beyond the perimeter of the patch on all sides. The area to be sealed should be clean and sound with the surface preparation as required by the manufacturer's specifications. The cost for cleaning and application of the sealer to patches is to be included in the square foot unit price for deck patch repairs.

Mount Hope Bridge: After the patched area has cured completely, apply penetrating sealer on patch area to at least 3 inches beyond the perimeter of the patch on all sides. The area to be sealed should be clean and sound with surface preparation as required by the manufacturer's specifications. Patches may remain unsealed for up to one month; patches older than 3 days shall be pressure washed as part of the surface preparation. The cost for cleaning and application of the sealer to patches is to be included in the square foot unit price for deck patch repairs.

818.04 METHOD OF MEASUREMENT

Delete and replace with the following:

For both bridges:

Work under this Specification will be measured by the number of square feet of patch repairs actually made in accordance with the Plans under the Pay Items and Optional Work Pay Items included in this Specification

and/or as directed by the Engineer. For Joint Header Patching measurement, at locations where repairs are made to both the vertical and horizontal face, measurement shall be made for the full square footage along the horizontal face plus the square footage along the vertical face excluding the top three inches of the face along the length of the repair. This is to preclude the corner portion of the joint header from being measured twice for payment.

Work for the installation of under deck formwork at full depth joint header repairs at locations on the Newport Pell Bridge directed by the RITBA shall be measured for payment based on submitted and approved Time and Materials documentation in accordance with the Contract Specifications and Special Provisions to include all labor, materials, and equipment required for the installation and removal of full depth joint header repair formwork below the deck.

For the Mount Hope Bridge the costs of Maintenance and Protection is not measured separately but included in the unit price for patch repairs.

818.05 BASIS OF PAYMENT

Delete the first paragraph and replace with the following:

Optional Work on the Newport Pell Bridge:

The accepted quantities for work under this Specification, with the exception of the installation and removal of full depth joint header repair under deck formwork will be paid for at the Contract unit price per square foot as listed in the Proposal under the Pay Items included under this Specification. The prices so-stated constitute full and complete compensation for all labor including sounding to delineate repairs, support for review of repairs and final approval of repair locations by RITBA, tools, materials, equipment, demolition, surface preparation, repair materials, furnishing and application of Zinc-Rich Rebar Primer, Epoxy Adhesive, and all other incidentals required to complete the work, complete and accepted by the Engineer.

Work for the installation of under deck formwork at full depth joint header repairs at locations directed by the RITBA shall be paid for by Time and Materials in accordance with the Contract Specifications and Special Provisions to include all labor, materials, and equipment required for the installation and removal of full depth joint header repair formwork below the deck.

For the Mount Hope Bridge:

Revise the last sentence in the first paragraph to read as follows:

The prices so-stated constitute full and complete compensation for all labor including sounding to delineate repairs, Traffic Control, tools, materials, equipment, surface preparation, ThoRoc Zincrich Rebar Primer® and all

other incidentals required to complete the work, complete and accepted by the Resident.

The material specified is rapid setting for Type 2 Repairs

For both bridges, delete paragraph a. in its entirety without replacement.

<u>Pay Item</u>	<u>Payment Reference Description</u>	<u>Pay Unit</u>
MH 1	Deck Concrete Repair	Square Foot

<u>Optional Work Pay Item</u>	<u>Payment Reference Description</u>	<u>Pay Unit</u>
NP 2	Bridge Deck Patch Repairs	Square Foot
NP 3	Full Depth Joint Header Under Deck Formwork	Lump Sum

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ATTACHMENT C

REVISED PROPOSAL SHEET

RHODE ISLAND TURNPIKE AND BRIDGE AUTHORITY

PROPOSAL

CONTRACT 22-08

MOUNT HOPE BRIDGE AND NEWPORT PELL BRIDGE
ROADWAY DECK REPAIRS

SEPTEMBER 7, 2023

The undersigned Bidder has carefully examined the site of the work described herein; has become familiar with local conditions and the character and extent of the work; has carefully examined the Drawings, the Specifications, which consist of the Rhode Island Standard Specifications for Road and Bridge Construction, 2004 Edition Amended March 2018, including subsequent corrections and addenda through November 2021 and Special Provisions of the Rhode Island Turnpike and Bridge Authority, the Proposal form, the form of Contract Agreement, and the form of Bid Bond, which are acknowledged to be a part of this Proposal, and they thoroughly understand their stipulations, requirements, and provisions.

The undersigned Bidder has determined the quality and quantity of equipment and materials required; has investigated the location and determined the sources of supply of the materials required; has investigated labor conditions; and has arranged for the continuous prosecution of the work herein described.

The undersigned Bidder hereby agrees to be bound by the award of the Contract and, if awarded the Contract on this Proposal, to execute upon receipt of Notice of Award the required Contract Agreement, the required Performance Bond, and certificates of required insurance, of which Contract this Proposal, the Drawings for the work, and the Specifications as above indicated shall be a part.

The undersigned Bidder further agrees to provide all necessary equipment, tools, labor, incidentals, and other means of construction to do all the work, and furnish all the materials of the specified requirements that are necessary to complete the work in accordance with the Proposal, the Drawings, and the Specifications and agrees to accept therefore, as payment in full, the Contract Unit Price for the actual quantities of work described in the Specifications as set forth in this Proposal.

Any "Extra Work" or "Force Account Work" will be paid for as set forth in the Standard Specifications Subsections 104.05 and 109.04, and the undersigned Bidder hereby agrees to accept payment therefore as stated therein.

There is a Minority/Disadvantaged/Woman-Owned Business Enterprise Program for this project. The percentage goal for this project is ~~15%~~10% of the overall bid price (excluding Optional Pay Items).

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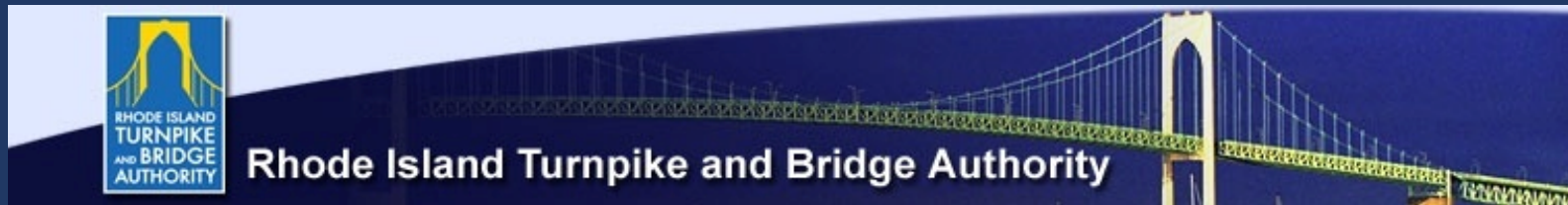
Mount Hope Bridge and Newport Pell Bridge Roadway Deck Repairs

ATTACHMENT D

ADDITIONAL INFORMATION

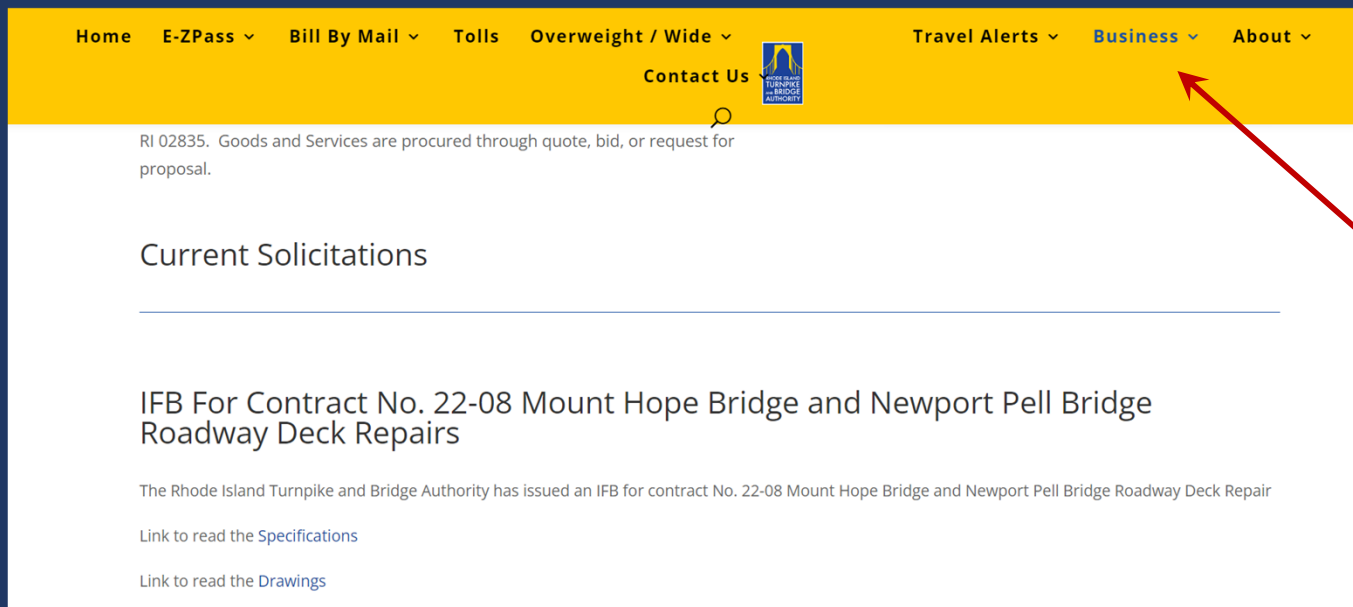
CONTRACT 22-08
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Pre-Bid Meeting
September 12, 2023



INTRODUCTIONS AND SIGN-IN

- ▶ Introductions
- ▶ Obtain contract documents including future Addenda from RITBA website:
 - ▶ [Procurement | Rhode Island Turnpike and Bridge Authority \(ritba.org\)](https://www.ritba.org)



The screenshot shows the website's navigation bar with a yellow background. The menu items are: Home, E-ZPass, Bill By Mail, Tolls, Overweight / Wide, Contact Us, Travel Alerts, Business, and About. A red arrow points to the 'Business' menu item. Below the navigation bar, the page content includes a search bar, a notice about procurement (RI 02835), and a section titled 'Current Solicitations'. The first solicitation listed is 'IFB For Contract No. 22-08 Mount Hope Bridge and Newport Pell Bridge Roadway Deck Repairs'. Below this title, there are two links: 'Link to read the Specifications' and 'Link to read the Drawings'.

• **SAFETY and SECURITY ARE TOP PRIORITY**

- Safety Officer on-site as needed and available at all times (Specification Section 999)
- Protection of adjacent vehicular traffic and marine traffic below from falling/flying debris and materials and from equipment
- Work Plan to include measures for all control of debris and materials for all phases of work
- Section 108.05 – Background checks and E-verify for all contractor and subcontractor personnel
 - No felons – do not submit

Pay Items and Quantities

CONTRACT 22-08 PAY ITEMS AND QUANTITIES

PAY ITEM	SPEC SECT	PAY ITEM NAME	QUANTITY	UNIT
1	103	PERFORMANCE BOND	1	LS
2	103	PAYMENT BOND	1	LS
MH 1	818	DECK CONCRETE REPAIR	6000	SF
MH 2	104	POLICE DETAIL	1	AL
MH 3	936	MOBILIZATION	1	LS
OPTIONAL WORK PAY ITEMS				
PAY ITEM	SPEC SECT	PAY ITEM NAME	QUANTITY	UNIT
NP 1	104	OPTIONAL WORK - MPT FOR DAILY LANE CLOSURES	60	EA
NP 2	818	OPTIONAL WORK - NEWPORT BIDGE DECK PATCH REPAIRS	5000	SF
NP 3	818	OPTIONAL WORK ALLOWANCE - NEWPORT FULL DEPTH JOINT HEADER UNDER DECK FORMWORK	1	LS
NP 4	936	OPTIONAL WORK - NEWPORT BRIDGE MOBILIZATION	1	LS
VMS 1	925	OPTIONAL WORK - PROVIDE VMS SIGN	1	LS
MR 1	953	OPTIONAL WORK ALLOWANCE - MISCELLANEOUS REPAIRS	1	LS

Scope of Work – Mount Hope

- Work performed at the Mount Hope Bridge Deck
 - Traffic control; alternating traffic in one open lane
 - Locating the limits of spalled and delaminated concrete
 - Partial depth removal; slightly below top of grid bars
 - Rust inhibitor on grid bars and place new concrete
 - Open to traffic in same shift



Scope of Work – Newport Pell

- Optional work performed at the Newport Pell Bridge Deck
 - Locating the limits of spalled and delaminated concrete
 - Partial depth removal and repair of deteriorated concrete
 - Full depth removal and repairs of deteriorated concrete of the joint headers
 - Miscellaneous Repairs



Contractor's Mobilization Area

- Area at the Mount Hope Bridge North Anchorage
- Area at the Newport Pell Bridge West Abutment

SCHEDULE

- NTP – October 23, 2023
 - Complete removal and repair of deteriorated concrete on Mount Hope Bridge deck by May 17, 2024
 - Complete removal and repair of deteriorated concrete on Newport Pell Bridge deck by December 31, 2025

Maintenance and Protection of Traffic

- Section 104.08
- Mount Hope is incidental to the work
- Newport is an optional daily Pay Item
- Coordinate with other work on the bridge
 - Request lane closure 2 weeks in advance
 - Weekly work schedule submission
 - Daily coordination required
- Review the Specifications!

Quality Control and Quality Assurance

- Contractor performs all Quality Control functions, Authority performs Quality Assurance only
- QC Officer part of Qualifications - on site as needed and available at all times.

Miscellaneous

- Reference Drawings
 - Provided within Contract Drawings for Reference – all dimensions to be field verified by the Contractor
- Invoice Submittals
 - Standard AIA Form
 - By-item backup
 - Certification by Resident Engineer
 - Sub/vendor payment certification

Bid Package

- All Forms in Specifications
- Costs in Separate Package
- Follow Directions in Specifications Package/Notice to Contractor

Qualifications

- Qualification forms must be submitted with bid/proposal
- Identify similar work in references
- Staff included on Qualification Forms must be provided to project – Subsection 108.05

Bid Schedule

- Questions in written format e-mailed by 4 PM September 14, 2023 to e-mail addresses included in Bid Documents – NO QUESTIONS ANSWERED AFTER DEADLINE
- Addendum with answers distributed Close of Business September 19, 2023
- Proposal due 10:00 AM September 28, 2023
 - There will be a public bid opening at RITBA offices

No Site Visit

- Bidders free to look at sites from areas open to general public.

Questions?

- Ask official questions in writing.
- Discussions at this meeting are unofficial unless documented via Addendum.

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ATTACHMENT E

ACKNOWLEDGEMENT OF REVISIONS

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END OF ADDENDUM NO. 1
AND ATTACHMENTS