October 14, 2024

STATE OF RHODE ISLAND DEPARTMENT OF ADMINISTRATION

DIVISION OF PURCHASES BID NO. TCB. 24003969

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

RHODE ISLAND CONTRACT NO. 2024-CB-048 FEDERAL-AID PROJECT NO. BRO-044H(002)

BRIDGE GROUP 44H - NONQUIT POND

Nonquit Pond Bridge #292 and approximately 100 feet on each approach. This project includes the replacement of the single span bridge carrying Bridge Pond Road over the southern limit of Nonquit Pond in Tiverton, Rhode Island.

TOWN OF TIVERTON NEWPORT COUNTY

NOTICE TO PROSPECTIVE BIDDERS

ADDENDUM NO. 1

Prospective bidders and all concerned are hereby notified of the following changes in the Plans, Specifications, Proposal and Distribution of Quantities for this contract. These changes shall be incorporated in the Plans, Specifications, Proposal and Distribution of Quantities, and shall become an integral part of the Contract Documents.

A. Vendor Questions & Answers

Question 1. "Page 42 of the Dept of the Army General Permit located in the CS pages lists a TOY work window (work allowed) of October 15th to January 31st for tidal waters. Please confirm if the installation and removal of the control of water measures, called out on the plans, are required to follow this TOY work window?"

Answer: The TOY restrictions for in-water work, as noted on the Bridge General Plan on Sheet 22, note # 3, are February 1– June 30 and September 1 – November 30. These TOY restrictions were put in place based on consultation with RIDEM Marine Fisheries and National Marine Fisheries Service during consultations regarding Essential Fish Habitat and diadromous fish populations and supersede the tidal TOY restriction of February 1 to October 14 as noted under General Condition #17 in the RI General Permit. The written authorization under File No. NAE-2024-01611 issued by USACE will be amended to include the correct TOY restrictions for this project. Additionally, water controls shall not exceed 25% of the waterway width measured from MHW at any time of the year. The installation and removal of the control of water measures must be conducted only within the allowable work windows, which correspond to July 1 – August 31 and December 1 – January 31. Work contained within the cofferdam under "dry" conditions may be completed at any time.

Question 2. "General Plan sheet #7 note 2 and bridge general plan sheet #22 note 2 require the contractor to use maximum 60 lb sandbags across the salt marsh. mean low water is about 1'-10" above the river bottom and mean high water is about 4'-11" above river bottom. During any time of year, 60 lb sandbags will need to be stacked and will impart a load of significantly more than 60 lbs on the salt marsh. In the case of the average water level, it seems more feasible to use bulk sandbags filled high enough to dam the water. Will bulk sandbags be allowed if the water depth requires multiple lifts of 60" sandbags to control the water?"

Answer: The use of bulk sandbags instead of stacked 60 lb sand bags as a means of control of water measures is allowable.

Question 3. "Bridge General Plan sheet 22 appears to have a different TOY restriction than what is in the Dept of the Army General Permit. Please review and clarify the TOY restriction."

Answer: Refer to the response to item #1. The written authorization from USACE will be amended to reflect that the correct TOY restrictions are February 1– June 30 and September 1 – November 30.

Question 4. "The 2024 RI Standard Specifications defines mass concrete as any elements for which the concrete dimensions in three directions is 4 ft or greater. Plan sheet #17 calls for class MC 5,000psi concrete for abutment stems and wingwalls and MC 4,000psi concrete for pile caps and wall caps. None of these sections are 4 ft or greater in three dimensions. In fact, the wall stems are only 1.5 feet thick. Please clarify the concrete requirements and consider eliminating the class MC requirements, which appear unnecessary for these elements. Class MC concrete slows down the progress of the work and adds extra cost since it cures slower and requires additional engineering and construction requirements."

Answer: Plan Sheet 17 will be updated aby addendum. Abutment and wingwall pile cap concrete shall be Class XX ¾" f'c 4000. Abutment and wingwall stem concrete shall be Class HP ¾" f'c 5000.

Question 5. "CS-9 Note N states that parapets and end posts shall receive colored concrete. Please clarify which color is required?"

Answer: The color of the parapet and end post concrete shall be coordinated to match the color of the existing substructure foundation to remain. Selection of the color will be prior to the shop drawing phase by the Department.

B. Document Attachments

- 1. 2024-CB-048 Plan Files
 - a. Plan Sheet 17

Delete Plan Sheet 17 in its entirety and replace it with revised Plan Sheet 17 (R-1) attached to this Addendum No. 1. The sheet has been revised.

- 2. 2024-CB-048 JS Pages
 - a. 938.1000

Delete Page JS-63 in its entirety and replace it with Page JS-63 (R-1) attached to this Addendum No. 1. The specification has been revised.

STEEL PILES:

• AMERICAN PETROLEUM INSTITUTE (API) N-80 THREADED PIPE, MINIMUM YIELD STRENGTH OF 80 KSI

STEEL PLATES:

AASHTO M270, GRADE 50

REINFORCING STEEL:

• AASHTO DESIGNATION M 31, GRADE 60

PRESTRESSING STEEL:

• UNCOATED SEVEN WIRE LOW-RELAXATION STRAND, AASHTO DESIGNATION M 203, GRADE 270

CONCRETE STRENGTHS:

CLASS HP ¾" f'c=8,000 PSI

PRESTRESSED BEAMS

• CLASS HP 3/4" f'c=5,000 PSI

PARAPETS, BACKWALLS, END DIAPHRAGMS, ENDPOSTS, CLOSURE POURS, CURTAIN WALLS, ABUTMENT CAPS

CLASS XX ¾" f'c=4,000 PSI

APPROACH SLABS, PILE CAPS, WALL CAPS

CLASS XX ¾" f'c=5,000 PSI

PATCHING MORTAR f'c=4,000 PSI

ABUTMENT STEMS, WINGWALLS

EXISTING ABUTMENT REPAIRS

FOUNDATIONS

- 1. THE FURNISHING AND INSTALLING OF THE DEEP FOUNDATIONS TYPES SPECIFIED IN THIS CONTRACT SHALL BE IN ACCORDANCE WITH THE RI STANDARD SPECIFICATIONS.
- 2. REFER TO THE BORING LOGS SHOWN ON THE "SUBSURFACE EXPLORATION PLAN" AND "SUBSURFACE EXPLORATION LOGS" SHEETS FOR GEOTECHNICAL DATA.

CONCRETE NOTES

- 1. CLASSES OF CONCRETE SHALL BE HIGH PERFORMANCE CLASS HP, CLASS MC, AND CLASS XX, AS DESCRIBED IN THE RI STANDARD SPECIFICATIONS AND THE SPECIAL PROVISIONS OF THE SPECIFICATIONS. REFER TO THE "MATERIAL" NOTES FOR CLASSES OF CONCRETE SPECIFIED FOR VARIOUS COMPONENTS.
- 2. THE CONTRACTOR MAY, AT THE APPROVAL OF THE ENGINEER, PROPOSE THE USE OF SELF-CONSOLIDATING CONCRETE FOR ANY CLASS OF CONCRETE ON THIS PROJECT. SECTION 606 "SELF CONSOLIDATING CONCRETE (SCC)", CONTAINS THE REQUIREMENTS FOR MODIFYING ALL CLASSES OF CONCRETE MIX DESIGN FOR SELF-CONSOLIDATING APPLICATIONS.
- 3. ALL PORTLAND CEMENT CONCRETE SHALL BE AIR-ENTRAINED.
- 4. ALL REINFORCING STEEL SHALL BE GALVANIZED. ALL WIRE TIES AND MISCELLANEOUS HARDWARE USED FOR PLACEMENT OF GALVANIZED REINFORCING SHALL ALSO BE GALVANIZED. GALVANIZED COATING FOR REINFORCING STEEL SHALL CONFORM TO ASTM A767 CLASS 1.
- 5. ALL CRITICAL LAP SPLICES SHALL BE AS SHOWN ON THE PLANS. ALL SPLICES NOT SHOWN ON THE PLANS SHALL BE LAPPED IN ACCORDANCE WITH THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS FOR CLASS B LAP SPLICES.
- 6. UNLESS OTHERWISE INDICATED ON THE PLANS, ALL MAIN REINFORCING BARS SHALL HAVE THE FOLLOWING MINIMUM COVER:

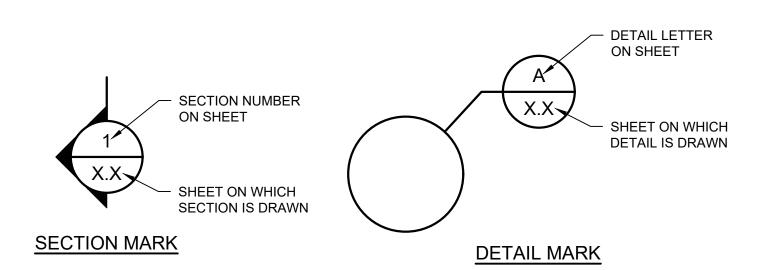
CONCRETE CAST AGAINST OR PERMANENTLY EXPOSED TO EARTH (FOOTINGS, ABUTMENT AND WALL FACES, BACKWALLS)

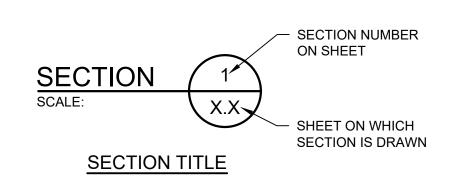
CONCRETE DIRECTLY EXPOSED TO SALT WATER 4"

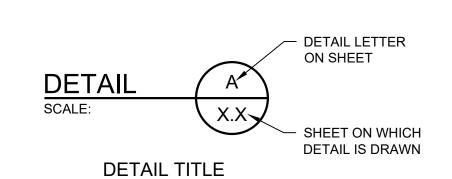
ALL OTHER BARS

7. COVER TO TIES AND STIRRUPS MAY BE 0.5 INCH LESS THAN THE ABOVE VALUES SPECIFIED FOR MAIN REINFORCING, BUT IN NO CASE LESS THAN 1.5 INCHES.

- HORIZONTAL CONSTRUCTION JOINTS OTHER THAN THOSE SHOWN ON PLANS WILL NOT BE PERMITTED WITHOUT A WRITTEN REQUEST BY THE CONTRACTOR AND PRIOR AUTHORIZATION BY THE ENGINEER.
- 9. UNLESS OTHERWISE NOTED ON THE PLANS, ALL EXPOSED CONCRETE SURFACES VISIBLE IN ELEVATION TO ONE FOOT BELOW FINAL GROUND LINE (AND THE UNDERSIDE OF ALL CONCRETE DECK SLABS OUTSIDE OF THE FASCIA BEAMS), SHALL RECEIVE A CONCRETE SURFACE RUBBED FINISH IN ACCORDANCE WITH THE RI STANDARD SPECIFICATIONS.
- 10. THE ENTIRE TOPSIDE SURFACES OF ABUTMENT BEAM SEATS, AS WELL AS VERTICAL FACES OF BACKWALLS, SHALL BE PROVIDED WITH A FILM-FORMING SEALER (M12.03.1) CONCRETE SURFACE TREATMENT-PROTECTIVE COATING IN ACCORDANCE WITH SECTION 820 OF THE RI STANDARD SPECIFICATIONS.
- 11. THE ENTIRE SURFACE OF THE PARAPETS/BARRIERS SHALL BE PROVIDED WITH A PENETRANT SEALER (M.12.03.2) CONCRETE SURFACE TREATMENT-PROTECTIVE COATING IN ACCORDANCE WITH SECTION 820 OF THE RI STANDARD SPECIFICATIONS.
- 12. ALL EXPOSED EDGES AND REENTRANT CORNERS NOT OTHERWISE DETAILED ON THE PLANS SHALL HAVE A MINIMUM ¾" CHAMFER.
- 13. ALL JOINT SEALANT SHALL BE POLYURETHANE, POLYURETHANE ELASTOMERIC, OR SILICONE SEALANT AS DESIGNATED ON THE PLANS. THE COLOR OF THE JOINT SEALANT, WHERE EXPOSED, SHALL BE NEUTRAL (LIGHT GRAY OR TAN). THE COLOR OF THE SEALANT, WHERE NOT EXPOSED, WILL BE AT THE DISCRETION OF THE CONTRACTOR.
- 14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREVENTING CONCRETE STAINS OR DISCOLORATIONS DURING CONSTRUCTION UNTIL SUCH TIME WHEN THE SURFACES ARE APPROVED AND ACCEPTED. ANY CONCRETE STAINS OR DISCOLORATIONS OCCURRING PRIOR TO ACCEPTANCE OF THE SURFACES SHALL BE REMOVED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE STATE.
- 15. UNLESS OTHERWISE NOTED ON THE PLANS, JOINT FILLER IS TO BE A PREFORMED, NON-EXPANSIVE, NON-EXTRUDING TYPE IN ACCORDANCE WITH SECTION M.02.11.1 OF THE RI STANDARD SPECIFICATIONS.
- 16. EMBEDMENT LENGTHS FOR DRILLED AND GROUTED DOWELS SHALL BE IN ACCORDANCE WITH SECTION 819 OF THE RI STANDARD SPECIFICATIONS.
- 17. IN ACCORDANCE WITH THE RI STANDARD SPECIFICATIONS, ALL METAL TIES, NON-METALLIC TIES OR ANCHORAGES WHICH ARE REQUIRED FOR CONCRETE FORMWORK SHALL BE SO CONSTRUCTED THAT THEY CAN BE REMOVED TO AT LEAST ONE INCH BELOW THE EXPOSED SURFACE OF THE CONCRETE WITHOUT CAUSING DAMAGE TO THE CONCRETE SURFACE. SNAP TIES MAY BE USED ONLY IF APPROVED BY THE ENGINEER. IF THE CONTRACTOR PROPOSES TO USE THEM, A CATALOG CUT AND OTHER NECESSARY INFORMATION MUST BE SUBMITTED TO THE ENGINEER TO DEMONSTRATE THAT THE TIES WILL SNAP-OFF FAR ENOUGH INTO THE CONCRETE TO ALLOW FOR PROPER PATCHING. SNAP TIES MUST PROVIDE ADEQUATE STRENGTH TO SUPPORT THE FORMS. ALL CAVITIES SHALL BE FILLED WITH AN APPROVED CEMENT MORTAR MEETING THE REQUIREMENTS OF ASTM C 928.
- 18. WATER STOPS ARE REQUIRED FOR HORIZONTAL AND VERTICAL CONSTRUCTION JOINTS IN ABUTMENTS AND WALLS WHEN EXPOSED TO BACKFILL EARTH MATERIAL. WATER STOPS SHALL BE INSTALLED AT THE LOCATIONS DETAILED ON THE PLANS, AT THE LOCATIONS AS SPECIFIED ABOVE AND AT ALL LOCATIONS AS DIRECTED BY THE ENGINEER, ALL IN ACCORDANCE WITH SECTION 812 OF THE RI STANDARD SPECIFICATIONS.







SECTION & DETAIL DESIGNATIONS

LIST OF ABBREVIATIONS

2024-CB-048 2024 | 17

<u>A</u>		<u>F</u>		<u>O</u>	
ABUTMENT	= ABUT.	FABRICATE	= FAB.	ON CENTER	= O.C.
ALTERNATE	= ALT.	FACE TO FACE	= FTOF	OPENING	= OPNG.
ANCHOR BOLT	= A.B.	FAR FACE	= F.F.	OPTIONAL	= OPT.
AND	= &	FAR SIDE	= F.S.	OUTSIDE DIAMETER	= O.D.
APPROVED	= APPD.	FLANGE	= FLG.	<u>P</u>	
APPROXIMATE	= APPROX.	FLAT HEAD	= F.H.	— PLATE	= P
AT	= @	FOOTING	= FTG.	POINT OF CURVATURE	= P.C.
AVERAGE	= AVG.	FOUNDATION	= FDN.	POINT OF TANGENCY	= P.T.
В		FURNISH, FABRICATE &	F F O F	POINT OF VERTICAL	
= BACK TO BACK	= B TO B	ERECT	= F.F. & E.	CURVATURE	= P.V.C.
BASELINE	= B	<u>G</u>		POINT OF VERTICAL INTERSECTION	= P.V.I.
BEAM	= BM.	GAGE	= GA.	POINT OF VERTICAL	
BEARING	= BRG.	GALVANIZE	= GALV.	TANGENCY	= P.V.T.
BETWEEN	= BTWN	GRADE	= GR.	POLYVINYL CHLORIDE	= PVC
BITUMINOUS	= BIT.	GRATING	= GRTG.	POUNDS PER SQUARE FOOT	= P.S.F.
BOLT CIRCLE	= B.C.	GROUND	= GND.	POUNDS PER SQUARE INCH	= P.S.I.
		Н		R	
BOTTOM	= BOT.	— HEIGHT	= HGT.	— RADIUS	= RAD.
BUILDING	= BLDG.	HEXAGON	= HEX.	RAILROAD	= RR
BUILDING LINE	= B.L.	HIGH POINT	= HP	REHABILITATION	= REHAB
<u>C</u>		HORIZONTAL	= HORIZ.	REINFORCING	= REINF.
CENTER TO CENTER	= CTOC	I		REMOVE & DISPOSE	= R & D
CENTERLINE	= ©	<u>-</u> INCH	= IN.	REMOVE & STOCKPILE	= R&S
CIRCLE	= CIR.	INFORMATION	= INFO.	REQUIRED	= REQD.
CLASS I CONTROLLED LOW STRENGTH MATERIAL	= CLSM	INSIDE DIAMETER	= I.D.		- NEQD.
CLEARANCE	= CL.	INVERT	= I.D. = INV.	<u>S</u>	- CCII
COLUMN	= COL.	J	— IIVV.	SCHEDULE	= SCH.
CONCRETE	= CONC.	_	ı	SCHEMATIC	= SCHEM
CONDUIT	= COND.	JOINT	= JT.	SECTION	= SECT.
CONNECTION	= CONN.	<u>L</u>		SHEET	= SH.
CONSTRUCTION	= CONST.	LENGTH	= LGTH. OR LEN	SIDEWALK	= SW
CONTRACTION	= CONTR.	LIGHTING	= LTG.	SOUTHBOUND	= S.B.
CONTROL OF WATER	= C.O.W.	LOAD AND RESISTANCE FACTOR DESIGN	= LP	SPACES	= SP.
COUNTERSINK	= C.O.W. $=$ CSK.	LONG	= LG.	STATION	= STA.
COUPLING	= CSK. = CPLG.	LOW POINT	= LP	STAY IN PLACE	= S.I.P.
	= CPLG.	M	Li	SYMMETRICAL	= SYM.
<u>D</u>		MATERIAL	= MATL.	<u>T</u>	
DETAIL	= DET.	MAXIMUM	= MAX.	TOP	= T
DIAGONAL	= DIAG.			TOP AND BOTTOM	= T&B
DIAMETER	= DIA.	MEAN HIGH WATER	= M.H.W.	TOP OF WALL	= T.O.W.
DIAPHRAGM	= DIAPHM.	MEAN SEA LEVEL	= M.S.L.	TYPICAL	= TYP.
DIMENSION	= DIM.	MINIMUM	= MIN.	<u>V</u>	
DRAIN	= DR.	MISCELLANEOUS	= MISC.	VARIES	= VAR.
DRAWING	= DWG.	<u>N</u>		VERTICAL	= VERT.
<u>E</u>		NEAR FACE	= N.F.	VERTICAL CURVE	= V.C.
EACH	= EA.	NEAR SIDE	= N.S.	W	
EACH FACE	= E.F.	NORTHBOUND	= N.B.	— WELDED WIRE FABRIC	= W.W.F
EACH WAY	= E.W.	NORTHBOUND	= N.B.	WESTBOUND	= W.B.
EASTBOUND	= E.B.	NORTHEAST EXTREME TEE	= NEXT	WIDE FLANGE	= W
ELEVATION	= EL.	NOT TO SCALE	= N.T.S.	WITH	= W/
EQUAL	= EQ.	NUMBER	= NO.	WORKING POINT	= W.P.
EXISTING	= EXIST.			-	
EXPANSION	= EXP.				

ADDENDUM NO. 1





RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:

CHECKED BY:

DATE:

REVISIONS

REVISIONS

NO. DATE BY NO. DATE

1 10/14/24 VHB

OF: 45

BRIDGE GROUP 44H - NONQUIT POND

BRIDGE NOTES - 2

938.1000 PRICE ADJUSTMENTS

Description.

- a) Liquid Asphalt Cement. The Base Price of Liquid Asphalt Cement as required to implement Subsection 938.03.1 of the Standard Specifications is \$\frac{560.00}{2}\$ per ton.
- b) Diesel Fuel. The Base Price of Diesel Fuel as required to implement Subsection 938.03.2 of the Standard Specifications is \$\(\) per gallon.
- c) Steel. The Base Price of Steel as required to implement Subsection 938.03.3 of the Standard Specifications. The following page provides the base prices for structural steel and rebar for this Contract.