

ADDENDUM NO. 1

2019 - Interbrook Road over Johns Brook Bridge Replacement

Essex County, NY

March, 2019

TO ALL HOLDERS OF BIDDING DOCUMENTS:

This Addendum, issued to bid document holders of record, indicates clarifications to the bid documents for the *2019 - Interbrook Road over Johns Brook Bridge Replacement* project. All clarifications described herein shall be incorporated into the Contractor's bid proposal. This Addendum is part of the Contract Documents. Adjustments required by each item shall be understood to apply to all document references affected by the clarifications described.

1. **General:** A Pre-Bid meeting was held for the project at the site on March 20, 2019 at 10:00 AM. Minutes from the meeting are enclosed and are a part of this Addendum and the Contract Documents.
2. **General:** The contractor shall provide the lifting and placing services for the installation and removal of the temporary waterline support structure consisting of a wide flange steel beam that will be supplied by the owner. Delivery of the wide flange steel beam to the project site will be by the owner. Off-loading and loading services including all lifting equipment required for the installation and removal of the wide flange steel beam shall be provided by the contractor. The owner will supply and install the foundations for the temporary waterline support structure at the bearing locations. Upon removal of the temporary waterline support structure, the contractor shall remove the foundations and grade the areas affected during installation and removal to the final elevations indicated on the contract drawings. All work related to the temporary waterline support structure shall be coordinated with the owner.
3. **General:** There are no DBE/WBE/MBE goals for this project.
4. **Regarding Drawing No. N-1: General Notes, Note No. 8:** Add the following items under contractor submittals:
 - Pipe hanger shop drawings
 - Water line penetration at backwall seal and sleeve material shop drawings.
 - Temporary earth support system design calculations

- Temporary earth support system shop drawings
- 5. **Regarding Drawing No. N-1:** *Tree Removal Notes, Note No. 1:* Note No. 1 shall be revised to the following:
All tree removal shall be by the owner. Brush and stump removal shall be by the contractor and shall be limited to the areas within the tree clearing limits indicated on the drawings.
- 6. **Regarding Drawing No. N-2:** Attached drawing N-2 rev. 1 "Addendum No. 1" shall replace drawing N-2.
- 7. **Regarding Drawing No. C-2:** Attached drawing C-2 rev. 1 "Addendum No. 1" shall replace drawing C-2.

END OF ADDENDUM NO. 1
(attachments)

Pre-Bid Meeting Minutes

PRE-BID MEETING MINUTES

Report Date: March 22, 2019

Project: Interbrook Road over Johns Brook Bridge Replacement

Attending: Matthew Huntington, PE - Schoder Rivers Assoc.
Erik Sandblom, PE - Schoder Rivers Assoc.
Jim Dougan - Essex County DPW
Colin Dowd - Essex County DPW
Ryan Hall - Town of Keene Water Department
Joe Pete Wilson - Town of Keene
Mike Melton - Reale Construction
Tony Fernandez - ADK Concrete
Jeff Luck - Luck Brothers
John Curley - Alpine Construction
(Copy of attendance sheet is attached for information)

Distribution: Via posting on the Essex County Website as a part of Addendum No. 1 for access by all holders of bidding documents.

A scheduled pre-bid meeting was held for the above referenced project on March 20th at 10:00AM at the project site. The following items were discussed:

1. Huntington provided a general summary of the overall scope of work for the project with specific emphasis on division of work by the Owner, Contractor and Bridge Supplier.
2. Dougan provided a summary of the start and end dates for the project construction; stating that bids are scheduled to be opened on March 29th and that the contract for the work will most likely be awarded during the April Board of Supervisors meeting. He also stated that the project shall be substantially complete and open to traffic on or before July 30th.
3. Curley inquired about the location of a crane for setting the NEXT beam superstructure in relation to the newly constructed west abutment. Huntington stated that a crane staging plan will be a required project submittal document and the crane's location will be reviewed at that time.
4. Curley inquired if a professional engineer (PE) is required to prepare the dewatering plan for the site. Huntington noted the dewatering plan shall be prepared by PE licensed in the State of New York in accordance with dewatering notes 1-5 on drawing N-1 of the contract documents.
5. Huntington noted that the pipe hangers on the bridge superstructure and the pipe backwall penetration seal and sleeve materials will not be provided by the owner and shall be submitted for review by the contractor.
6. Fernandez inquired if the owner will be providing the road closure, detour and work zone signage. Dougan answered yes.
7. Wilson stated that the roadway is a major access point for hiking in the high peaks and emphasized public safety near the work zone. A shuttle operated by the Town will be provided for hikers to bypass the work zone and the Town will work with the contractor to minimize the amount of pedestrian traffic approaching the work zone.

The meeting adjourned at 10:30 AM.

Respectfully submitted:

A handwritten signature in black ink, appearing to read "Matthew Huntington". The signature is written in a cursive, flowing style.

Matthew Huntington, PE
Sr. Project Engineer

PREBID MEETING ATTENDANCE SHEET

Project: Interbrook Road over Johns Brook Bridge Replacement

Date: 3/19/2019
Job No. 18-392.07

[illegible]

MUNICIPAL WATER SERVICE MAIN NOTES

1.

WATER SERVICE MAIN MATERIALS SHALL BE PROVIDE BY THE OWNER FOR INSTALLATION BY THE CONTRACTOR. INSTALLATION SHALL CONFORM TO ALL TOWN OF KEENE REQUIREMENTS AND THESE DRAWINGS. ALL WATER FACILITIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT RULES, REGULATIONS, AND CONSTRUCTION STANDARDS OF AMERICAN WATER WORKS ASSOCIATION (AWWA), THE NEW YORK STATE DEPARTMENT OF HEALTH, AND THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION.
2.

WATER SERVICE MAIN INSTALLATION SHALL BE SEQUENCED AS FOLLOWS:

(A)

OWNER SHALL INSTALL TEMPORARY WATER SERVICE SUPPORT STRUCTURE AND PROVIDE TEMPORARY CONNECTION PIPING.

(B)

CONTRACTOR SHALL INSTALL DUCTILE IRON WYE AT EAST APPROACH AND EAST AND WEST HYDRANTS INCLUDING ASSOCIATED PIPING TO PROVIDE SERVICE TO THE HYDRANTS. TEMPORARY MECHANICAL JOINT PLUGS SHALL BE INSTALLED BETWEEN HYDRANT LOCATIONS TO DISCONTINUE SERVICE TO EXISTING WATER LINE ON THE BRIDGE.

(C)

OWNER SHALL INSTALL TEMPORARY WATER SERVICE BETWEEN HYDRANTS. TESTING AND DISINFECTION OF THE TEMPORARY WATER SERVICE SHALL BE THE RESPONSIBILITY OF THE OWNER.

(D)

CONTRACTOR SHALL PERFORM THE REMAINDER OF THE EXISTING WATER LINE REMOVAL WORK AND INSTALLATION OF THE NEW WATER SERVICE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

(F)

TESTING AND DISINFECTION OF THE NEW WATER SERVICE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. A REPRESENTATIVE OF THE TOWN WATER DEPARTMENT AND/OR OWNER SHALL BE ON SITE FOR ALL WATER LINE TESTING OPERATIONS.
3.

THE CONTRACTOR SHALL BE ALLOWED ONE (1) EIGHT (8) HOUR SHUTDOWN OF THE WATER SERVICE MAIN FOR THE INSTALLATION OF THE HYDRANTS AND ASSOCIATED PIPING AND ONE (1) EIGHT (8) HOUR SHUTDOWN OF THE WATER SERVICE MAIN FOR THE TIE-IN WORK UPON COMPLETION OF THE NEW SUPERSTRUCTURE AND NEW WATER MAIN SERVICE PIPING. THE CONTRACTOR SHALL PROVIDE A MINIMUM OF TWO (2) WEEKS NOTICE TO THE TOWN TO COORDINATE THE SHUTDOWN PERIOD AND AVOID ADVERSE EFFECTS TO THE TOWN'S WATER SYSTEM.
4.

THE FOLLOWING MATERIALS SHALL BE PROVIDED BY THE OWNER FOR INSTALLATION BY THE CONTRACTOR:

—

(1)

8"Ø DI WYE

—

(2)

8"Ø 22.5' DI BENDS

—

(4)

8"Ø 11.25' DR-11 HDPE BENDS

—

(3)

3/4"Ø BALL VALVE CURB STOPS AND BOXES

—

(3)

3/4"Ø CORPORATION STOPS (BALL STYLE)

—

(2)

8x6x8 DI TEES

—

(8)

6"Ø DI MECHANICAL JOINT RESTRAINING GLANDS

—

(12)

8"Ø DI MECHANICAL JOINT RESTRAINING GLANDS

—

(6)

8"Ø DI MECHANICAL JOINT ADAPTORS

—

(4)

6"Ø DI MECHANICAL JOINT ADAPTORS

—

(2)

HYDRANTS

—

(2)

8"Ø DR-11 HDPE WALL ANCHORS

—

8"Ø DR-11 HDPE PRE-INSULATED ADN UN-INSULATED PIPE

—

6"Ø AND 8"Ø CLASS 52 DUCTILE IRON PIPE

—

(3)

8"Ø HDPE TO DI ADAPTORS

—

(3)

8"Ø 45° DI MECHANICAL JOINT ELBOWS

—

(3)

8"Ø GATE VALVES W/6'-0" TELESCOPING RISERS

—

(2)

6"Ø GATE VALVES W/6'-0" TELESCOPING RISERS

—

(3)

8"Ø MECHANICAL JOINT MALE PLUG
5.

WATER LINES SHALL BE TESTED IN ACCORDANCE WITH AWWA C600 REQUIREMENTS.
6.

ALL WATER MAINS SHALL BE DISINFECTED IN ACCORDANCE WITH THE LATEST AWWA STANDARDS FOR THE DISINFECTION OF WATER MAINS DESIGNATION C-851.FOLLOWING FLUSHING, WATER SAMPLES SHALL BE COLLECTED FROM THE MAIN AND EACH BRANCH. FIRE HYDRANTS ARE NOT ACCEPTABLE SAMPLING POINTS. WATER SAMPLES SHALL BE COLLECTED AND THE MAIN SHALL NOT BE PLACED IN SERVICE UNTIL THE WATER HAS BEEN APPROVED AND NOTIFICATION THEREOF RECEIVED.
7.

PROVIDE THRUST BLOCKS IN ACCORDANCE WITH THE THRUST BLOCK DETAIL INDICATED ON DRAWING C-5 AT ALL DUCTILE IRON FITTINGS.
8.

WATER LINE SEAL AND SLEEVE AT BACKWALL PENETRATION SHALL BE A LINK-SEAL MODULAR SEAL UNIT MODEL NO. LS-475-C-18 AND SLEEVE UNIT MODEL NO. WS-18-37-S-20.0 (FABRICATED OR FIELD MODIFIED TO MATCH SUPERSTRUCTURE SKEW) AS MANUFACTURED BY GPT INDUSTRIES OR APPROVED EQUIVALENT.
9.

PIPE HANGERS SHALL BE COOPER B-LINE ADJUSTABLE DOUBLE ROLLER STYLE MODEL NO. B3122A-14 AS MANUFACTURED BY EATON CORPORATION OR APPROVED EQUIVALENT.

MICROPILE NOTES

1.

MICROPILE FOUNDATIONS SHALL BE DESIGNED AND INSTALLED IN CONFORMANCE WITH NYSDOT SPECIAL SPECIFICATIONS 551.99400017 AND 551.99450017. PILES SHALL BE SUFFICIENTLY SIZED TO RESIST THE MINIMUM UNFACTORED PILE DESIGN REACTIONS SHOWN ON DWG. S-4.
2.

MINIMUM PILE LENGTHS INDICATED ON DWG. S-4 ASSUME THE PILE IS EMBEDDED ENTIRELY WITHIN BEDROCK. IF BEDROCK IS NOT ENCOUNTERED AT THE PILE DEPTHS INDICATED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY.
3.

A MINIMUM OF ONE TEST PILE SHALL BE LOADED TO TWICE THE DESIGN LOAD. THE LOAD TEST SHALL BE PERFORMED IN ACCORDANCE WITH ASTM D 1143-81. STANDARD TEST METHODS FOR DEEP FOUNDATIONS UNDER STATIC AXIAL COMPRESSIVE LOAD.

ROCK EXCAVATION NOTES

1.

ALL WORK SHALL CONFORM TO NYSDOT STANDARD SPECIFICATION SECTIONS 107-05 AND 203-3 UNLESS NOTED OTHERWISE.
2.

BLASTING SHALL BE PERFORMED BY A LICENSED CONTRACTOR IN A METHOD THAT LIMITS THE PEAK PARTICLE VELOCITY, AS MEASURED AT THE CLOSEST ADJACENT EXISTING OFF-SITE STRUCTURES AND AT THE PROPERTY LINES, TO A PEAK VALUE OF LESS THAN 1.5 INCHES PER SECOND.
3.

THE PEAK AIRBLAST OVERPRESSURE LIMIT SHALL BE LIMITED TO LESS THAN 0.14 PSI AT THE NEAREST ADJACENT OCCUPIED STRUCTURE.
4.

BLAST VIBRATIONS SHALL BE MONITORED AT PROPERTY LIMITS AND PRE-CONDITION SURVEYS SHALL BE PERFORMED ON ADJACENT STRUCTURES THAT MAY BE AFFECTED BY THE WORK.
5.

BLASTING SHALL BE CAREFULLY CONTROLLED TO PREVENT OVER BLASTING IN ORDER TO PREVENT FUTURE UNDERMINING OF THE NEW BRIDGE ABUTMENT FOOTING.
6.

THE CONTRACTOR SHALL SUBMIT A BLASTING PLAN FOR REVIEW PRIOR TO COMMENCING WORK. THE BLASTING PLAN SHALL INCLUDE THE PROPOSED BLASTING SCHEDULE, BLASTING METHODS, METHODS FOR NOTIFYING NEARBY RESIDENTS PRIOR TO BLASTING, PRE-BLAST SURVEY RESULTS AND SIMILAR ITEMS.

TEMPORARY EARTH SUPPORT SYSTEM NOTES

1.

IF A TEMPORARY EARTH SUPPORT SYSTEM FOR THE SAFE EXCAVATION AND CONSTRUCTION OF THE EAST ABUTMENT SUBSTRUCTURE IS DEEMED NECESSARY IN THE OPINION OF THE CONTRACTOR, A PROFESSIONAL ENGINEER LICENSED TO PRACTICE IN NEW YORK STATE SHALL BE RETAINED BY THE CONTRACTOR TO DESIGN A TEMPORARY EARTH SUPPORT SYSTEM FOR THE EXCAVATION AND CONSTRUCTION OF THE NEW BRIDGE SUBSTRUCTURE. THE CONTRACTOR SHALL SUBMIT A TEMPORARY EARTH SUPPORT SYSTEM PLAN AND DESIGN CALCULATIONS FOR REVIEW. THE SUBMITTAL SHALL INCLUDE ASSUMPTIONS MADE REGARDING SOIL PROPERTIES, GEOMETRY OF THE EXCAVATION, LATERAL PRESSURE DIAGRAM, LOCATIONS AND MAGNITUDES OF ALL SURCHARGE LOADS, DEFLECTION ANALYSIS AND A PROPOSED MONITORING PROGRAM FOR THE CONSTRUCTION PERIOD.
2.

EACH COMPONENT OF THE EXCAVATION SUPPORT SYSTEM SHALL BE DESIGNED TO SUPPORT THE MAXIMUM COMBINATION OF LOAD THAT CAN OCCUR.
3.

THE TEMPORARY EARTH SUPPORT SYSTEM IS ANTICIPATED TO CONSIST OF DRIVEN OR DRILLED IN SOLIDER PILES WITH LAGGING, OTHER SOIL SUPPORT OR MODIFICATION METHODS THAT MAY BE SUITED TO THE CONDITIONS AND CONTRACTOR'S CAPABILITIES AND EQUIPMENT ALL DEPEND UPON THE ACTUAL EXCAVATION LIMITS AND THE GRADE REQUIRED FOR THE PARTICULAR CONTRACTOR'S EQUIPMENT AND METHODS PLANNED.

1

REVISIONS		
REV.	DATE	DESCRIPTION
0	3/8/19	BID AND CONSTRUCTION
1	3/22/19	ADDENDUM No. 1



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SR

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SCALE:	AS SHOWN	DRAWN BY:	SRA
DATE:	2/27/2019	ENG. BY:	MEH
PROJ. NO:	18-392.04	CHK'D BY:	CBS

CLIENT NAME
ESSEX COUNTY DEPARTMENT
OF PUBLIC WORKS
Elizabethtown, NY

DRAWING TITLE
INTERBROOK ROAD BRIDGE
OVER JOHNS BROOK
BRIDGE REPLACEMENT

NOTES

DRAWING NO. N-2	SHT. 2 OF 2 REV. 1
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Lands Now or Formerly of

Marion C. Renz

Book 481 Page 253

62.15-1-13.000

BENCHMARK
CAPPED IRON PIN 13+03.40
ELEVATION 202.21'

BRIDGE RAIL FOR LOW VOLUME
BRIDGES TO BOX BEAM GUIDE RAIL
TRANSITION BENT TO RADIUS
R=10.00'.

LIMITS OF NEW ASPHALT
CONC. PAVEMENT AT $\frac{1}{2}$
STA. 5+11.53.

CAST-IN-PLACE CONC.
APPROACH SLAB.

WEST WATER SERVICE SITE
PLAN ON DWG. C-4.

EXIST. 15"Ø CORRUGATED
PLASTIC PIPE CULVERT TO
REMAIN.

$\frac{1}{2}$ FIX. BRG. @ $\frac{1}{2}$ RD. STA.
3+50.58 = BASELINE STA.
11+01.38, 11.05' RT.

RIPRAP ANGULAR HEAVY STONE
FILLING MIN. 2.00' THK. $\pm 1,280$
S.F., MAX. SLOPE 1V:1.5H, KEY
IN EMBANKMENT. PLACE ON
GEOTEXTILE BEDDING FABRIC.

BRIDGE RAIL FOR LOW VOLUME
BRIDGES TO BOX BEAM GUIDE RAIL
TRANSITION BENT TO RADIUS R=53.00'.

PT $\frac{1}{2}$ RD. STA. 2+77.37
= BASELINE STA.
10+29.77, 26.26' RT.

$\frac{1}{2}$ EXP. BRG. @ $\frac{1}{2}$ RD. STA.
2+85.08 = BASELINE STA.
10+37.31, 24.66' RT.

Lands Now or Formerly of

M. Mavin Howley

Book 1450 Page 37

62.15-1-14.000

Lands Now or Formerly of

Robert C. Wei

Book 1334 Page 127

62.15-1-15.000

PC $\frac{1}{2}$ RD. STA. 1+00.00 =
BASELINE STA. 9+30.83,
166.16' RT.

LIMITS OF NEW ASPHALT CONC.
PAVEMENT. $\frac{1}{2}$ STA. 0+40.92.

Lands Reputedly of

Marion C. Renz

Book 481 Page 253

62.15-1-13.000

TYPE IIA GUIDE RAIL END
SECTION.
BOX BEAM GUIDE RAIL,
 ± 37 L.F.

BRIDGE RAIL FOR LOW VOLUME
BRIDGES TO BOX BEAM GUIDE RAIL
TRANSITION.

Lands Now or Formerly of

Reynolds Family, LLC

Book 1258 Page 265

62.15-1-24

WEST CAST-IN-PLACE
CONC. ABUTMENT &
WINGWALLS.

NEW BRIDGE STRUCTURE:
PRECAST CONCRETE NEXT BEAM ON NEW
CAST-IN-PLACE CONC. ABUTMENTS WITH
CAST-IN-PLACE CONC. WINGWALLS WITH
25.769° SKEW, 24.00' CLEAR TRAVEL WAY
AND $\pm 57.32'$ WATERWAY OPENING.

LOCATION OF RELOCATED 8"Ø
INSULATED HDPE POTABLE
WATER MAIN BELOW NEW
BRIDGE DECK. SEE STRUCTURAL
DWG'S FOR DETAILS.

RIPRAP ANGULAR HEAVY STONE FILLING
MIN. 2.00' THK. ± 866 S.F., MAX.
SLOPE 1V:1.5H, KEY IN EMBANKMENT.
PLACE ON GEOTEXTILE BEDDING
FABRIC.

8"Ø DUCTILE IRON WATER VALVE
SUPPLIED BY OWNER. SEE DETAIL ON
DWG. C-5. INSTALL PLUG SUPPLIED BY
OWNER AT END OF VALVE.

TYPE IIA GUIDE RAIL END
SECTION.

BOX BEAM GUIDE RAIL,
 ± 15 L.F.

LIMITS OF NEW ASPHALT CONC.
PAVEMENT @ BASELINE STA.
10+18.27, 27.27' LFT.

BRIDGE RAIL FOR LOW VOLUME
BRIDGES TO BOX BEAM GUIDE RAIL
TRANSITION BENT TO RADIUS
R=18.00'.

SITE PLAN

1" = 20'

Lands Now or Formerly of

Douglas and Marie K. B. McKeige

Book 1679 Page 32

62.15-1-23.200

PC $\frac{1}{2}$ RD. STA. 2+24.73 =
BASELINE STA. 9+87.90,
55.81' RT.

EAST WATER SERVICE SITE
PLAN ON DWG. C-4.

EAST CAST-IN-PLACE CONC.
ABUTMENT & WINGWALLS.

CAST-IN-PLACE CONC.
APPROACH SLAB.

POSITIVE DRAINAGE ($\pm 2\%$) TO
THE NORTHWEST AT SMITH WAY
INTERSECTION.

TEMPORARY EARTH SUPPORT SYSTEM AS
REQ'D FOR ABUTMENT CONSTRUCTION. SEE
NOTES, DWG. N-2.

12"Ø CORRUGATED PLASTIC
PIPE CULVERT TO REMAIN. CUT
PIPE AT NEW RIPRAP GRADE.

BEGIN PROPOSED NEW
ALIGNMENT OF INTERBROOK
ROAD, $\frac{1}{2}$ STA. 1+00.00.

TYPE IIA GUIDE RAIL END
SECTION.

BOX BEAM GUIDE RAIL,
STRAIGHT SECTION, 24 L.F.

RIPRAP ANGULAR HEAVY STONE
FILLING MIN. 2.00' THK. ± 426
S.F., MAX. SLOPE 1V:1.5H, KEY
IN EMBANKMENT. PLACE ON
GEOTEXTILE BEDDING FABRIC.



UNITS: FEET

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Elizabethtown, N.Y.

DRAWING TITLE
INTERBROOK ROAD BRIDGE
OVER JOHNS BROOK

SITE PLAN

DRAWING NO. C-2 SHT. 2 OF 5
REV. 1

LEGEND

- UTILITY WIRES
- EXIST. CONTOUR
- EXIST. 3-ROD R.O.W.
- PROPOSED NEW CONTOUR
- PROPOSED NEW CONTOUR BELOW BRIDGE
- PROPERTY LINE
- EXIST. EDGE OF STREAM

B1

SOIL BORING LOCATIONS