

TOWN OF KILLINGWORTH, CONNECTICUT
CONTRACT DOCUMENTS
FOR
REPLACEMENT OF CULVERT CARRYING BETHKE ROAD
OVER POWDER MEADOW BROOK
KILLINGWORTH, CT

ADDENDUM NO. 1
June 12, 2020

All BIDDERS are hereby notified and warned of the following addition to the CONTRACT DOCUMENTS:

1. Attached are minutes of the 06-09-2020 Pre-Bid Meeting.

END OF ADDENDUM NO. 1



Nathan L. Jacobson & Associates, Inc.

Nathan L. Jacobson & Associates, P.C. (NY)
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Consulting Civil and Environmental Engineers Since 1972

REPORT OF MEETING

To: File Date: June 9, 2020
From: Matthew D. Carroll
NLJA #: 0055-0085
Project: Replacement of Culvert Carrying Bethke Road over Powder Meadow Brook,
Killingworth, Connecticut
Subject: Pre-Bid Meeting Minutes
Copies: Addendum No. 1, Catherine Iino, Howard Pfrommer, P.E., DocStar

On this date, a pre-bid meeting was held at the project site commencing approximately at 11:00AM. The following were present at the meeting:

Tom Machnik, Machnik Bros., estimating@machnikbros.com
Isaac Abraham, Arborio Corporation, enr@arboriocorp.com
Scott Hines, Schumack, shines@schumackconstruction.com
Joe Michelangelo, Colonna Concrete, joe@colonnaconcrete.com
Luke St. Amour, Hemlock Construction, hemlockconst@gmail.com
Shane Douglas, NJR Construction, sdouglas.njr@gmail.com
Matt Masse, Cariate Developers, Inc., dispatch@cariatidevelopers.com
John Neely, Winthrop Construction, nlyjhn@yahoo.com
Jeannie Warner, Black & Warner, bwcci@sbcglobal.net
Gino Troiano, TradeMark Contractors, LLC, Gino@TradeMark-Contractors-LLC.com
Walt Adametz, Road Foreman, Town of Killingworth, publicworks@townofkillingworth.org
Matthew Carroll, Nathan L. Jacobson & Associates, Inc., mattcarroll@nlja.com

The following items were discussed:

1. The pre-bid meeting is not mandatory.
2. Minutes of the pre-bid meeting will be issued in an addendum.
3. The Project generally includes the complete replacement of an existing corrugated metal pipe culvert with a precast reinforced concrete box culvert and associated roadwork.
4. The project is fully funded by the Town of Killingworth.
5. The engineer's opinion of probable construction costs is in the \$350,000 to \$400,000 range.
6. Technical portions of the project manual substantially follow Division II and III from the CTDOT Form 818.
7. Bidding Documents are available for free download from the Project's bidding service webpage. To download Bidding Documents: go to the bidding service homepage listed below; select this project's solicitation; sign in and/or register as directed; and select the Bidding Documents for download. A nonrefundable \$35 fee to the bidding service is required to submit an electronic Bid. Digital ID is not required for this online bid.



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8. The bid period is 06-02-2020 to 06-22-2020 (21 days).
9. Bids are due on Tuesday, 06-22-2020 by 2:00 PM through the bidding service website.
10. Bidders will receive "preliminary" bid results shortly after bid opening via the bidding service.
11. Supplemental reports are available as described on p. 148 of the Project Manual. After downloading bidding documents, send an e-mail to mattcarroll@nlja.com to request pdfs of these supplemental documents:
 - a. Geotechnical Report.
12. A complete set of bid submission documents includes the following documents as described on p. 23 of the Project Manual:
 - a. Bid
 - b. Bid Bond
 - c. Non-Collusion Affidavit
 - d. Statement of Bidders' Qualifications
 - e. DAS Prequalified Certificate and Update (Bid) Statement if the Bid exceeds \$500,000.
 - f. Evidence of authority to do business in the State of CT.
 - g. Contractor's license number.
13. The bid/project is set-up as a lump sum with five unit price items, as described on p. 29 of the Project Manual. The word "Additional" when in the description of a Bid item, is used to indicate that the Work described in said Bid item is in addition to similar Work already shown on, and required by, the Contract Documents, payment for which is already included in the various other Bid items (in this case only Bid Item 1). Payment for bid items containing the word "Additional" in the description of such item will only be made for the quantities of such additional item As Ordered By The Engineer (A.O.B.E.).
14. The owner has 60 days to award the contract after bids are opened.
15. Performance and payment bonds are required, each in the amount of 100% of the bid.
16. Contract time is 90 days from notice to proceed to substantial completion, and; 120 days from notice to proceed to readiness for final payment (as described on p. 47 of the Project Manual). Liquidated damages are \$300 per day and \$100 per day, respectively, as described on p. 48 of the



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Project Manual.

17. Based on an anticipated 08-03-2020 construction start, the date of substantial completion is 10-31-2020, and; readiness for final payment is 11-30-2020.
18. The typical U.S. Army Corps of Engineers/CTDEEP June 1 to Sept 30 in-river unconfined construction activity window applies to the project.
19. Cutting of trees greater than or equal to 3" diameter has been performed by the Town. The awarded contractor is responsible for removal of felled trees and grubbing stumps, as well as additional selective clearing of woody vegetation as needed to perform the work.
20. Town will continue coordinating with Eversource for dropping of power lines as shown on Construction Drawings Sheet 3. Contractor will be responsible for providing protection to any lines that may remain.
21. Contractor designed cofferdam is anticipated to enable construction in the dry. Contractor shall submit a design to the Engineer for informational purposes only.
22. Contractor is responsible for quality control testing; owner is responsible for acceptance testing as they deem appropriate.
23. Contractor will need to submit a load rating report to the engineer in accordance with the CTDOT Load Rating Manual.
24. Besides culvert barrel, cut-off walls, return walls and wingwalls may be precast.
25. It is planned to close the road for construction and implement a 3± mile detour route.
26. This is a Prevailing Wage Rate project. Refer to p. 159 of the Project Manual for wage rate information.
27. The Town has obtained the following permits:
 - a. Town of Killingworth Inland Wetlands and Watercourses Commission
 - b. Town of Killingworth Planning and Zoning Commission
 - c. U. S. Army Corps of Engineers, General Permit, Self-Verification - File Number: NAE-2020-00024.



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28. Certificates of insurance and copies of full insurance policies will be required for approval prior to the Town's execution of the Agreement.
29. Interpretation questions received after 06-16-2020 may not be answered.
30. The Town added the following:
 1. Contractor to remove steel plates and deliver to the Town Garage, 323 Route 81.
 2. Construction Drawings Sheet 4 of 14 callout "4" YELLOW CENTERLINE EPOXY RESIN PAVEMENT MARKING" shall now read "4" YELLOW CENTERLINE PAINTED PAVEMENT MARKINGS. Attached hereto is Section 12.09 Painted Pavement Markings of the Standard Specifications. Subsections 12.09.04 through 12.09.05 are not applicable to this Contract.
 3. ***After the meeting concluded:*** The Town added that existing upstream and downstream headwall stone masonry shall be delivered to the Town Garage, 323 Route 81. Construction Drawings Sheet 14 of 14 Project Notes 25. Salvage Items shall now include "Existing Headwall – Return to Town".
31. Questions received and answered during the meeting:
 - Q1. Will the Town accept a 4" temporary centerline marking?
 - A1. Town answered yes; see Item 30.2 above for specifications.
 - Q2. Will the Town accept a 4" temporary centerline?
 - A2. Town answered yes; see Item 30.2 above for specifications.
 - Q3. Will precast culvert products delay the project?
 - A3. As of a month ago, three of four precast manufacturers contacted said it is possible to deliver products this construction season, with the caveat that their production schedule may change.



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The meeting concluded at approximately 11:20 AM.

Statement of Accuracy:

We believe this Report of Meeting accurately reflects what transpired at this meeting. This Report of Meeting will be filed as part of the permanent records for this project. Any questions regarding discrepancies and/or exclusions must be received in writing (emailed comments to mattcarroll@nlja.com will be acceptable) at the office of Nathan L. Jacobson & Associates, Inc. for possible amendment within ten (10) working days from receipt of this Report of Meeting. If no questions are received, this Report of Meeting will be considered approved as written.

Submitted By:

Matthew D. Carroll

END OF REPORT OF MEETING

SECTION 12.09
PAINTED PAVEMENT MARKINGS

12.09.01—Description: This item shall consist of furnishing and installing painted pavement markings, hot applied painted pavement markings and painted legend, arrows and markings, of the type and color specified at the locations indicated on the plans and in conformity with the plans, these specifications, and as directed by the Engineer.

Painted legend, arrows, and markings includes paint installed with a hand striping machine such as: stop bars, crosswalks, parking stalls, lane arrows, legends, markings within gore areas, and painting of paved islands or medians.

Painted pavement markings and hot applied painted pavement markings include paint installed with a truck-mounted painting machine such as center lines, lane lines and shoulder lines.

The exact location for passing zones will be determined by the Engineer prior to the application of the pavement markings. The Engineer shall be notified a minimum of 2 weeks before the anticipated date of painting, to allow time for the determination of the passing zone locations.

12.09.02—Materials: Materials for this work shall meet the requirements of M.07.20 for waterborne pavement marking paint, M.07.21 for hot-applied waterborne pavement marking paint and M.07.30 for glass beads, Type 1 (smaller beads).

12.09.03—Construction Methods: Pavement areas to be painted shall be dry and sufficiently cleaned of sand and road debris so as to provide an acceptable bond between the paint and the pavement.

Paint shall be applied at a rate of 100 to 115 s.f./gal., with glass beads Type 1 (smaller beads) applied at a rate of 6 lb./gal. of paint for painted pavement markings and painted legend, arrows, and markings, and 8 lb./gal. of paint for hot-applied painted pavement markings.

Hot-applied paint shall be applied at a temperature of 130°F to 145°F at the spray gun.

All painting shall be performed in a neat and workmanlike manner. The lines shall be sharp and clear with no feathered edging or fogging, and precautions shall be taken to prevent tracking by tires of the striping equipment. Paint shall be applied parallel to the centerline or as shown on the plans with no unsightly deviations.

After application, the paint shall be protected from crossing vehicles for a time at least equivalent to the drying time of the paint.

12.09.04—Method of Measurement: Painted pavement markings and hot-applied pavement markings will be measured for payment by the number of linear feet of paint applied by a truck-mounted painting machine on the pavement and accepted. Painted legend, arrows and markings will be measured for payment by the number of square feet of paint installed with a hand striping machine on the pavement and accepted.

12.09.05—Basis of Payment: This work will be paid for at the Contract unit price per square foot for "Painted Legend, Arrows and Markings" and per linear foot of paint for "Painted Pavement Markings" and "Hot-Applied Painted Pavement Markings," of the width and color specified, installed on the pavement and accepted. This price shall include all pre-marking layout, cleaning of pavement, paint, glass beads, application of paint and glass beads, protection during drying and all materials, equipment, tools and labor incidental thereto.

Pay Item	Pay Unit
Painted Legend, Arrows and Markings	s.f.
Painted Pavement Markings (Width) (Color)	l.f.
Hot-Applied Painted Pavement Markings (Width) (Color)	l.f.