

Lilac Pedestrian Bridge
Hooksett, NH
D&K Project No. 622910

ADDENDUM NO. 1

February 24, 2017

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TO: PROSPECTIVE BIDDERS

FROM: DuBois & King, Inc.
831 Union Avenue, Suite 2
Laconia, NH 03246

This Addendum forms part of the Contract Documents and modifies the original Bidding Documents dated January 31, 2017. **NOTE: Contractor to Acknowledge receipt of this Addendum in the space provided on Page 1 of the Bid Form (Section 00410, Page 00410-1). Failure to do so may subject the Bidder to disqualification.**

I. CONTRACT DOCUMENTS (SPECIFICATIONS) CHANGES

A. SECTION 200 – INSTRUCTIONS TO BIDDERS

1. ARTICLE 7 – INTERPERTATIONS AND ADDENDA

- a. PARAGRAPH 7.01; second line, **replace** “Town Administrator in writing (or email)’ to “Engineer in writing (or email) or phone”.
- b. PARAGRAPH 7.01 – A; second line, **replace** “Dean E. Shankle, Jr., Town Administrator, at dshankle@hooksett.org” with “Robert H. Durfee, PE, Project Manager at rdurfee@dubois-king.com or (603) 524-1166 ext. 4504”.

B. SECTION 00410 – BID FORM

1. ARTICLE 5 – BASIS OF BID, Paragraph 5.01:

- a. **Revise** Bid Item 612.21944 to read “612.21945 14” HDPE Insulated Sewer at Approaches.....”
- b. **Revise** Bid Item 612.23944 to read “612.23945 14” HDPE Insulated Sewer Supported Under Bridge with Support Assemblies....”

C. SECTION 00850 – SPECIAL CONDITIONS

1. **Add a new paragraph 1.15** and the end of this section as follows:

1.15 UTILITY CONDUITS ON BRIDGE AND AT APPROACHES

Contractor shall install four (4) - 4” diameter telephone and cable conduits hung under (beneath) the bridge, and buried (underground) at each approach. Some of the materials for installation of conduits will be supplied to the Contractor by the Utilities (Comcast & Firstlight) at no cost.

- A. See Special Provision Section 676 – Cable and Telephone, for materials to be provided (supplied) by the Utilities, and for materials to be furnished by the Contractor, for installation of all utility conduits.

D. SPECIAL PROVISIONS, SECTION 611 – WATER INSTALLATION

1. Paragraph 2.5.1 Casing Pipe, **modify** the Casing Pipe Table as follows:

Nominal Casing Size shall be 24”

Outside Diameter shall be 24”
2. Paragraph 2.4.2 Pipe Insulation, **Delete paragraph in its entirety** and replace with the following:

2.4.2 Pipe Insulation shall be a foamed in place closed cell polyurethane which completely fills the annular space between the carrier pipe and the exterior casing insulation jacket. The insulation shall have the following physical properties: Minimum Density (lb. /cu. ft.) 2.0-3.0 per ASTM D-1621, 90-95% Closed Cell per ASTM D-2856, and “K” Factor BTU/Hr. sq. ft. F/in equal to 147 per ASTM C-177

3. Paragraph 2.4.3 Insulation Jacket, **Delete paragraph in its entirety** and replace with the following:

2.4.3 Insulation Jacket shall consist of a hard HDPE wrapped cover completely surrounding the pipe and insulation, and have a nominal diameter of 18”, capable of placement over a 12” HDPE (DIPS) water main with 2” of insulation. The jacket shall be factory wrapped around the insulated pipe and fittings, and sealed. Flanges shall be field insulated and field wrapped with the same jacket material, using a solvent adhesive system provided by the jacket manufacturer. Openings around the flanges shall be filled with a factory cut insulation filler, and welded into place. The entire system shall be sealed and completely water tight. Jacket shall be of a color that blends in with the surroundings (Brown or Black). Contractor shall provide color options for approval by Engineer and Town.

E. SPECIAL PROVISIONS, SECTION 612 – SANITARY SEWER INSTALLATION

1. **Remove** pay item 612.21944 12” HDPE Insulated Sewer at Approaches and replace with pay item 612.21945 14” SDR11 HDPE Insulated Sewer at Approaches.
2. **Remove** pay item 612.23944 12” HDPE Insulated Sewer Supported Under Bridge with Support Assemblies and replace with pay item 612.23945 14” SDR11 HDPE Insulated Sewer Supported Under Bridge with Support Assemblies.
3. Paragraph 1.1 – General Description of Work, **modify** the first sentence as follows:

Replace 12” HDPE with 14” HDPE.
4. Paragraph 2.2.2 High Density Polyethylene Pipe, **delete** the second sentence and replace as follows:

“Pipe shall be HDPE 4710 resin rated for 200 psi working pressure, SDR 11.”

5. Paragraph 2.2.8 Expansion Joint Fitting, **add a new sentence** at the end of the paragraph as follows:

“All surfaces to be in contact with wastewater shall be stainless steel”.

6. Paragraph 2.4.2 – Manhole Frames and Covers, **add a new sentence** to the end of the paragraph as follows:

“Manhole frame and cover shall be Model LA 326-1 as manufactured by East Jordan Iron Works or approved equal.”

7. Paragraph 2.5.1 Casing Pipe, **modify** the Casing Pipe Table as follows:

Replace 12” Carrier Pipe with 14” Carrier Pipe.

Nominal Casing Size shall be 24”.

Outside Diameter shall be 24”.

8. Paragraph 2.6 Pipe Roller Supports, **Delete paragraph** and replace with the following:

2.6 Pipe Roller Supports shall be cast iron with low carbon steel axle. Pipe roller shall be sized for carrier pipe with insulation and jacketing. Roller shall meet Federal Specification A-A-1192A (Type 42) and Manufacturers’ Standardization Society SP–69 (Type 41) figure No. 142 roller size 20 as manufactured by Carpenter & Paterson, Inc., or equivalent. Rollers shall be hot dip galvanized.

9. Paragraph 2.8.2 Pipe Insulation, **Delete paragraph** and replace with the following:

2.8.2 Pipe Insulation shall be shall be a foamed in place closed cell polyurethane which completely fills the annular space between the carrier pipe and the exterior casing. The insulation shall have the following physical properties: Minimum Density (lb. /cu. ft.) 2.0-3.0 per ASTM D-1621, 90-95% Closed Cell per ASTM D-2856, and “K” Factor BTU/Hr. sq. ft. F/in equal to 147 per ASTM C-177.

10. Paragraph 2.8.3 Insulation Jacket, **Delete paragraph** and replace with the following:

2.8.3 Insulation Jacket shall consist of a hard HDPE wrapped cover completely surrounding the pipe and insulation, and have a nominal diameter of 20”, capable of placement over a 14” HDPE (DIPS) water main with 2” of insulation. The jacket shall be factory wrapped around the insulated pipe and fittings, and sealed. Flanges shall be field insulated, and field wrapped with the same jacket material, using a solvent adhesive system provided by the jacket manufacturer. Openings around the flanges shall be filled with a factory cut insulation filler, and welded into place. The entire system shall be sealed and completely water tight. Jacket shall be of a color that blends in with the surroundings (Brown or Black). Contractor shall provide color options for approval by Engineer and Town.

11. Insert Paragraph

3.4.6.5 Sewer Video Inspection

3.4.6.5.1 All pipelines will be subject to the scrutiny of a video inspection prior to acceptance. Just before the video inspection, a sufficient amount of water colored with red dye shall be flushed through the pipelines to saturate the potential low spots so they may be detected during inspection. Low spots holding water in excess of 1 inch or 5% of the pipe diameter, whichever is less, will be considered unacceptable. The video inspection will be at the Contractor's expense.

3.4.6.5.2 If unacceptable low spots exist, the Contractor shall repair or replace sewer, as necessary, as well as re-inspect and test at the Contractor's expense.

3.4.6.5.3 The video inspection shall be copied to a DVD and submitted to the Engineer prior to acceptance of the pipeline(s).

II. PLANS (DRAWINGS) CHANGES

A. SHEET 2 – GENERAL NOTES AND QUANTITIES

1. GENERAL NOTES, NOTE #1, **CHANGE**:

“85 PLF Sewer Line” to “115 PLF Sewer Line”

“85 PLF Water Line” to “90 PLF Water Line”

2. PROJECT NOTES, NOTE #11, **change** first line from “ALL WORK MUST” to “SOME WORK MUST.....”

3. SUMMARY OF BRIDGE AND ROADWAY QUANTITIES.

a. **Change** Item 612.21944 12” HDPE to Item 612.21945 14” HDPE.....

b. **Change** Item 612.23944 to 12” HDPE..... to Item 612.23945 14” HDPE.....

B. SHEET NO 8 – SUPERSTRUCTURE REPLACEMENT PLAN

1. In Plan view, **change** proposed 12” Ø sewer line to 14” Ø sewer line.

C. SHEET NO 12 & SHEET NO 13 – UTILITY PLAN (1 OF 2) & UTILITY PLAN (2 OF 2)

1. **Replace** references to 12” HDPE SEWER with 14” HDPE SEWER.

D. SHEET NO 15 – WATER AND SEWER DETAILS (1 OF 2)

1. **Delete** OUTSIDE DROP MANHOLE DETAIL

2. **Revise** INSIDE DROP MANHOLE DETAIL – ALTERNATE TO OUTSIDE DROP detail title to “DROP MANHOLE DETAIL” and add “Note 1. ALL DROP MANHOLES SHALL BE INSIDE DROP.”

3. **Replace** references to 12" HDPE SEWER with 14" HDPE SEWER.
4. **Revise** the invert elevation out of SMH-3 from 191.99 to 189.99.
5. **Revise** the slope of pipe between SMH-3 and SMH-4 from 10.67% to 3.98%.

E. SHEET 16 – WATER AND SEWER DETAILS (2 OF 2)

1. TRENCH INSULATION DETAIL TABLE; **Revise** Row 1 by replacing 5'-1" – 5'-6" with 5'-1" – 6'-0" under the column COVER (FEET), and by replacing 1 with 2 under the column RIGID INSULATION THICKNESS.
2. CONCRETE ABUTMENT PENETRATION DETAIL and ROLLER AND HANGER DETAIL; **replace** references to 12" HDPE SEWER and **insert** 14" HDPE SEWER.
 - a. ROLLER AND HANGER DETAIL, **remove** reference to 18" Nom. Dia. Pipe Roller and insert Note 1, as follows:

"NOTE 1. PIPE ROLLER SUPPORTS SHALL BE SIZED ACCORDING TO CARRIER PIPE DIMENSIONS WITH 2" OF PIPE INSULATION AND HDPE JACKETING."
 - b. **Change** double key nut size and galvanized thread rod size from 1" to 1 ¼" for sewer pipe only.
 - c. **Change** 3" pipe insulation w/PVC jacketing to 2" pipe insulation w/HDPE jacketing.

III. **ADDITIONAL INFORMATION OR CLARIFICATION**

NONE.

END OF ADDENDUM