

Minneapolis Public Works

Nicollet Mall Sanitary Sewer Relocation Phase II

City Project No. 600D 4541

OP 8263 – Bids for Nicollet Mall Sanitary Sewer Reconstruction – Phase 2

ADDENDUM No. 1

March 30, 2016

This Addendum No. 1 responds to questions raised at the pre-bid meeting held on March 28, 2016 and any questions received in writing through March 29, 2016.

Questions Received

1. Question 1: *Where are the locations of the anticipated point repairs on the existing 24-inch brick sewer?*

Response:

Point repairs are required at approximately station 107+16 and 107+30, immediately north of the manhole located in the intersection of 5th Street South and Nicollet Mall. The Statement of Estimated Quantities includes an additional four locations, in the event that the Contractor identifies other areas needing point repair along the alignment of the existing 24-inch brick sewer to be sliplined. Contractor shall field verify the location of damage by CCTV inspection prior to conducting work.

2. Question 2: *Are existing condition inspection videos available.*

Response:

Videos are available along Nicollet Mall from 6th Street S to Washington Ave S for assistance in preparing bids only. Contractor shall rely on CCTV inspection videos obtained as a part of the Nicollet Mall Sanitary Sewer Reconstruction-Phase 2 project for technical decisions. Existing video includes fifteen (15) *.mpeg files from 6th Street S to Washington Ave S. The videos will be sent to each planholder of record via a secure file transfer initiated by CDM Smith. It is the contractor's responsibility to obtain access to the FTP site and obtain means to view the video files.

3. Question 3: *Can Hobas pipe be used for sliplining?*

Response:

Hobas pipe can be used for sliplining, if desired by the Contractor, and the Special Provisions are modified accordingly as indicated below.

4. Question 4: *Can pipe jacking be used to complete the tunneling?*

Response: Pipe jacking may be considered during the submittal review process based on planning and documentation developed by the Contractor. Bidding should be based on the existing Drawings and Special Provisions.

5. Question 5: *Can suppliers count toward DBE goals?*

Response:

Suppliers can count toward DBE goals, provided that they are a registered DBE.

6. Question 6: *Is Xcel Energy working between 6th Street South and Washington Avenue South?*

Response:

Xcel Energy will be working at 6th Street South, but all work is anticipated to be complete prior to the Notice to Proceed for this Project. Xcel is expected to be working in various other locations between 6th and Washington, however. Coordination with Xcel will be necessary.

7. Question 7: *What is the completion date or number of days to complete?*

Response:

The completion date is November 1, 2016.

Specification Modifications

SP-46 (2503) SLIPLINING shall be modified by deleting the existing paragraphs and replacing them with the following:

Scope of Work

1. Furnish all labor, materials, equipment and incidentals required to slipline existing sewer mains by installing HDPE or Centrifugally Cast Fiberglass Reinforced Polymer Mortar (CCFRPM) pipe into the existing sewer, complete as shown on the Drawings and specified herein. Work will include, but is not limited to, installation of pipe by sliplining into an existing pipe, grouting of annular space, grouting of manhole benches to match inverts of the sliplined pipe, testing and all other related work.

Submittals

5. Submit detailed information describing the method the contractor shall use to perform installation of the HDPE or CCFRPM pipe during sliplining operations. Detailed information will discuss confirmation that the liner can be installed with no obstructions, access to pit location / pit size,

confirmation that the push / pull stress are not in excess of the pipe's material properties, protection methods for the leading edge of the pipe during slipliner installation, protection against rebound forces (i.e., the sudden release of potential energy when compressed pipes overcome static friction forces or obstacles in the host pipe), protection of the annulus between the existing pipe and the HDPE or CCFRPM pipe, flow control, installation methods and restoration of sewers in the access pit locations.

HDPE Pipe

5. Pipe shall have a stiffness of DR26. This shall correspond to the following parameters:
 - a. Host Pipe ID = 24-in with two areas of known damage that will be repaired prior to sliplining per Specification 02800. Note that other damaged areas may be present and the contractor shall select installation pit locations accordingly and based on pre-installation CCTV inspections.

Installation of Slip Liner Pipe

3. Jointing
 - b. When cutting pipe is required, the cutting shall be done by a machine specifically designed for cutting the selected pipe material. The cut shall leave a smooth cut at right angles to the axis of the pipe.

SP-46 (2503) SLIPLINING shall be modified by adding the following to the Special Provisions:

Reference Standards

1. American Society for Testing and Materials (ASTM)
 - l. ASTM D3262 – Standard Specification for 'Fiberglass' Sewer Pipe
 - m. ASTM D4161 – Standard Specification for 'Fiberglass' Pipe Joints Using Flexible Elastomeric Seals.
 - n. ASTM D2412 – Standard Test Method for Determination of External Loading Characteristics of Plastic Pipe by Parallel Plate Loading
 - o. ASTM D3681 – Standard Test Method for Chemical Resistance of 'Fiberglass' Pipe in a Deflected Condition
 - p. ASTM D638 – Test Method for Tensile Properties of Plastic

CCFRPM Pipe

1. Manufacturer shall use only polyester resin systems with a proven history of performance in this application. The historical data shall have been acquired from a composite material of similar construction and composition as the proposed product.
2. The reinforcing glass fibers used to manufacture the components shall be of highest quality commercial grade e-glass filaments with binder and sizing compatible with impregnating resins.
3. Sand shall be minimum 98% silica with a maximum moisture content of 0.2%.
4. Resin additives shall not detrimentally effect performance of the product.
5. Gaskets shall be supplied by a qualified gasket manufacturer and be suitable for the service intended.
6. Manufacture pipe by the centrifugal casting process to result in a dense, nonporous, corrosion-resistant structure. The interior surface of the pipes exposed to sewer flow shall be manufactured using a resin which shall provide crack resistance and abrasion resistance. The exterior surface of the pipes shall be comprised of sand / resin layer which provides UV protection to the exterior.
7. Unless otherwise specified, the pipe shall be field connected with low profile, fiberglass bell spigot joints when the fit requires. Either joint shall use elastomeric sealing gaskets as the sole means to maintain joint tightness.
8. Fittings (e.g., tees) shall be capable of withstanding operating conditions when installed. They may be contact molded or manufactured from mitered sections of pipe joined by glass fiber reinforced overlays.
9. Pipe shall have a stiffness of SN72. This shall correspond to the following parameters:
 - a. Host Pipe ID = 24-in with two areas of known damage that will be repaired prior to sliplining per Specification 02800. Note that other damaged areas may be present and the contractor shall selected installation pits accordingly and based on pre-installation CCTV inspections.
 - b. Nominal Size of Slipliner = 18-in (Pipe OD = 19.5-in)
 - c. Minimum Wall Thickness = 0.44-in
 - d. Average Inner Diameter = 18.62-in
 - e. Pipe shall have a flush bell spigot.

10. The slip liner material shall be watertight.
11. Join pipes in straight alignment then deflect as required. Do not allow the deflection angle to exceed deflection permitted by the manufacturer.

SP-19 (1806) DETERMINATION AND EXTENSION OF CONTRACT TIME shall be deleted and replaced with the following:

The provisions of Section 1806 are supplemented with the following:

This contract time is specified as a fixed calendar final completion date of November 1, 2016. These completion dates may only be extended in accordance with Section 1806.2.

The Contractor shall make it a priority to complete the work on 4th Street as soon as possible in the project schedule. The Contractor shall then make it a priority to complete all work south of 5th Street, as feasible.

To meet substantial completion requirements, all improvements shown in the plans and specifications shall be completed and approved. The Contractor shall request substantial completion acceptance in writing from the Engineer for consideration.

To meet the requirements for final completion, the Contractor shall meet the terms of all substantial completion items. In addition, all project cleanup and final punch list items shall be completed. The Contractor shall request final completion acceptance in writing from the Engineer for consideration.

The Contractor should propose a construction phasing plan at the Pre-construction meeting for the City to review and approve or modify.

OP # 8263 – NICOLLET MALL SANITARY SEWER RECONSTRUCTION – PHASE 2

PRE-BID MEETING DATE \ TIME: March 28TH, 2016 AT 2:00 PM

DEPARTMENT: PUBLIC WORKS

NAME: DAVID GRAHAM
COMPANY: PCROADS, LLC
ADDRESS: 14123 42ND ST. NE ST. MICHAEL MN 55376
PHONE: 763-497-6100
E-MAIL ADDRESS: DGRAHAM@PCROADS.COM

NAME: Aaron Hoefs
COMPANY: Minger Construction
ADDRESS: 620 Corporate Drive, Jordan MN 55352
PHONE: 612-418-7363
E-MAIL ADDRESS: Aaronh@mingerconst.com

NAME: Bill Luck
COMPANY: CDMSmith
ADDRESS: 7650 Currell Blvd ^{Suite 300} Woodbury MN
PHONE: 651 252 3803
E-MAIL ADDRESS: luckwf@cdmsmith.com

NAME: Amy Prok
COMPANY: CDMSmith
ADDRESS: 7650 Currell Blvd Suite 300 Woodbury, MN
PHONE: 651 252 3794
E-MAIL ADDRESS: ProkAE@cdmsmith.com

OP # 8263 – NICOLLET MALL SANITARY SEWER RECONSTRUCTION – PHASE 2
PRE-BID MEETING DATE \ TIME: March 28TH, 2016 AT 2:00 PM
DEPARTMENT: PUBLIC WORKS

NAME: Max Seitz
COMPANY: Lametti & Sons Inc.
ADDRESS: 16028 Forest Blvd. N. Hugo, MN 55038
PHONE: 651-426-1380
E-MAIL ADDRESS: _____

NAME: Patricia Minger
COMPANY: Minger Construction Inc
ADDRESS: 620 Corporate Drive Jordan, MN 55352
PHONE: 952-368 9200
E-MAIL ADDRESS: _____

NAME: From the City
COMPANY: Jeremy Stehlo
ADDRESS: Dave Schlueter
PHONE: _____
E-MAIL ADDRESS: _____

NAME: _____
COMPANY: _____
ADDRESS: _____
PHONE: _____
E-MAIL ADDRESS: _____