



CITY OF TACOMA
Public Works Engineering Division

ADDENDUM NO. 3

DATE 2/7/2025

REVISIONS TO:

**Request for Bids Specification No. PW24-0291F
Sheridan Arterial Improvements Project Phase 1 S 72nd St. to S 64th**

NOTICE TO ALL BIDDERS:

This addendum is issued to clarify, revise, add to or delete from, the original specification documents for the above project. This addendum, as integrated with the original specification documents, shall form the specification documents. The noted revisions shall take precedence over previously issued specification documents and shall become part of this contract.

REVISIONS TO THE SUBMITTAL DEADLINE:

The submittal deadline remains 11:00 a.m., Pacific Time, Tuesday, February 11, 2025.

REVISIONS TO THE SPECIAL PROVISIONS:

Special Provision section 7-17 Sanitary Sewers is replaced with section 7-17 labeled Addendum #3.

NOTE: Acknowledge receipt of this addendum by initialing the corresponding space as indicated on the signature page. Vendors who have already submitted their bid/proposal may contact the Purchasing Division at 253-502-8468 and request return of their bid/proposal for acknowledgment and re-submittal. Or, a letter acknowledging receipt of this addendum may be submitted in an envelope marked Request for Bids Specification No. PW24-0291F Addendum No. 3. The City reserves the right to reject any and all bids, including, in certain circumstances, for failure to appropriately acknowledge this addendum.

cc: Jon Kulju, Public Works Engineering

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7-17 SANITARY SEWERS
(*****)

7-17.1 Description

This section is supplemented with the following:

All references to sanitary sewer shall also mean storm sewer.

7-17.2 Materials

This Section is revised to read:

Pipe materials used for storm and sanitary sewers shall be as shown on plans. All references to PVC shall mean Solid Wall PVC Sewer Pipe in accordance with Section 9-05.12(1). Profile Wall PVC will not be permitted.

PVC SDR 35 Pipe; Nominal Pipe Sizes 15-inch and smaller shall be rated SDR 35 or greater pipe wall thickness.

PVC Pipe 18" Dia. and larger; Nominal Pipe Sizes 18-inch and greater shall be rated SDR 26 or have a pipe wall thickness for minimum Pipe Stiffness of 115 psi. per ASTM F679-21.

Ductile Iron (DI) Pipe; Lined Ductile Iron Pipe per Standard Specification Section 9-05.13.

7-17.3 Construction Requirements

7-17.3(2)A General

The first paragraph is revised to read:

Sewers and appurtenances shall be cleaned and tested after backfilling by either exfiltration or low-pressure air method at the option of the Contractor, except where the ground water table is such that the Engineer may require the infiltration test.

7-17.3(2)H Television Inspection

This Section is revised to read:

The Contractor shall video inspect all sewer pipes that the Contractor has constructed. The Contractor shall provide the TV inspection files to the Engineer prior to final acceptance. The Contractor shall achieve final acceptance of the sewer construction by the Engineer in writing prior to paving where paving occurs over sewers.

The Contractor is to provide the City 72 hours of advanced notice so that a City representative may be present during the inspection if so elected. The video shall be submitted for review which may take up to ten (10) working days. If more than ten (10) working days are required for the Engineer's review of the videos, an extension of time will be considered in accordance with 1-08.8. At a minimum, the video files shall meet the technical requirements of 7-17.3(3). No claim will be allowed for damages, or extensions of time resulting from the rejection of a video due to not meeting the technical requirements, or issues as seen visually with the constructed assets as shown by the video.

1 The City of Tacoma shall pay for the initial TV inspection by the linear foot of inspected pipe as
2 specified in Sections 7-17.4 and 7-17.5.

3
4 The Contractor shall bear all costs incurred in correcting any deficiencies found during television
5 inspection including the cost of any additional cleaning and television inspection that may be
6 required by the Engineer to verify the correction of said deficiency.

7
8 The Contractor shall be responsible for all costs incurred in any television inspection performed
9 solely for the benefit of the Contractor.

10 11 **7-17.3(3) Technical Requirements**

12 *Add the following new section:*

13 14 **General**

15 The Contractor shall hire a third-party television inspection company to perform television
16 inspection services on all new full segments and partial segments of sanitary and storm sewer
17 mains and side sewers, including the connection point between new and existing pipes, and
18 newly constructed manholes. The television inspection subcontractor must attend the Pre-
19 Construction Conference in order to discuss the submittal process and required formatting of
20 videos and databases, as described in this Section.

21 22 **Schedule & Review Requirements**

23 CCTV inspections shall be performed in accordance with the excavation and paving criteria
24 defined in Section 1-08.4 of these Specifications. Final pavement restoration shall not occur
25 until the Contracting Agency has approved all applicable pipe segments, video files, and
26 databases within the paving limits.

27
28 The Contractor shall provide the Contracting Agency 72 hours of advance notice so that the
29 Engineer may be present during the inspection if so elected. The inspection video and
30 associated database file for each pipe segment, including all side sewers (if applicable), shall be
31 submitted to the Contracting Agency for review and approval within ten (10) working days of the
32 installation. The Engineer may take up to three working days to review the files. If more than
33 three working days are required for the Engineer's review of the videos, an extension of time will
34 be considered in accordance with Section 1-08.8. No claim will be allowed for damages and no
35 extension of time will be granted resulting from the rejection of a video or database due to not
36 meeting the technical requirements or construction defects identified in the video.

37 38 **Inspection and Video Criteria**

39 CCTV inspection work shall be completed by certified National Association of Sewer Service
40 Companies (NASSCO) Pipeline Assessment and Certification Program (PACP) trained
41 operator(s) using established PACP coding and observations. Coding and observation results
42 shall be recorded and presented on a per asset basis, from structure to structure. A pipe asset
43 is defined as one continuous pipe from the upstream structure to the downstream structure.
44 Footage shall be recorded with the starting and ending points being the center of the manholes
45 and/or catch basins, with the exception that if partial segments are constructed in this Contract,
46 including side sewers, the inspection only needs to show all new work up to and including the
47 connection to the existing pipe. Inspections shall be performed after the manhole has been
48 channeled and the camera operator shall pan around and record the inside of each manhole
49 and/or catch basin constructed in this project at the start and end of each inspection. The

1 television camera shall have a resolution of 700 lines minimum and shall have a source of
2 illumination attached to it.

3
4 The video files shall be recorded and submitted in WMV format and include an unmodified
5 NASSCO-PACP Certified Access Database conducted entirely in digital format with electronic
6 reference to the survey which is intended to be imported into the Contracting Agency's viewing
7 software, GraniteNet. The PACP database must be in MDB format and shall include the
8 Contracting Agency's SAP ID for pipe segments and structures. No other file formats will be
9 accepted unless approved by the Contracting Agency.

10
11 All videos and database files shall be submitted via the Internet web-based project management
12 communications tool, e-Builder software. The Contractor shall review each video and database
13 prior to submitting to confirm formatting is correct and no pipe repairs are needed.

14
15 The Contractor shall provide video identifying each pipe segment by manhole, catch basin, and
16 pipe segment SAP ID numbers. The inspection shall identify all connections, general conditions
17 of the sewer pipelines, problem areas, location of all connections or problem areas by linear
18 footage, and observations concerning the condition of the pipe joints. The camera system used
19 shall be capable of travelling up to 500 linear feet.

20
21 Although newly constructed, the sewers will likely be in service with flow present during
22 inspections. The Contractor shall clean the main within 24 hours of the CCTV inspection. The
23 lens shall remain clean and clear for the duration of the inspection. Should the lens become
24 soiled, or fogged, or otherwise impaired to any degree that impedes the ability to clearly see the
25 condition of the pipe, the inspection shall be halted to clean and clear the lens. No additional
26 compensation will be made for re-inspections required by the Contracting Agency due to soiled,
27 fogged, or otherwise impaired camera lenses.

28
29 The Contractor shall maintain sufficient light levels within the main to allow for visual inspection
30 of the pipe walls for a minimum of four feet for all pipe sizes. Additionally, the Contractor shall
31 make certain that the light levels are not so bright that visual inspection is impeded.

32
33 The CCTV Inspection shall be a continuous, unedited video and shall include the following
34 information:

- 35 • Date of Inspection
- 36 • Main segment number
- 37 • Upstream and downstream manhole and/or catch basin numbers
- 38 • Current distance along the mainline

39
40 In addition, the Contractor shall perform wastewater side sewer inspections where they exist via
41 a mainline camera with a lateral launching setup. The lateral launch camera shall be capable of
42 extending at least 30 feet from the main into side sewers and shall include an on-screen footage
43 counter. The quality of the side sewer inspection shall meet the same requirements as the
44 mainline camera. The lateral launch camera must be self-leveling and shall also include a
45 sonde transmitter to locate the side sewer in the event of a defect. All side sewer inspections
46 within a given segment shall be incorporated into the same video and database file as the
47 mainline inspection.

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7-17.4 Measurement

This section is supplemented with the following:

Removal and replacement of unsuitable backfill material will be determined by the cubic yard in place, based on a neat line measurement per this Section and Section 2-09. Any removal and replacement of unsuitable material outside neat line measurement shall be incidental to the Bid item.

Horizontal Limits: The horizontal limits shall be as defined in Section 2-09.4.

Longitudinal Limits: The longitudinal limits shall be as defined in Section 2-09.4.

Lower Limits: The lower limits shall be the top of the pipe zone as shown on Standard Plan No. SU-16.

Upper Limits: The upper limits shall be the subgrade elevation of the proposed roadway section or pavement patch section.

All costs associated with the disposal of material located above the upper limits shall be included in the unit contract price for other items of work, unless a proposal item is included for this specific item of work.

Pipe zone limits are as defined in Standard Plan SU-16.

TV inspection shall be measured per linear foot of pipe actually inspected by TV camera recording, only for the initial inspection performed by the Contractor.

7-17.5 Payment

The first paragraph is supplemented with the following:

“PVC Storm Sewer Pipe ___ In. Diam.”, per linear foot.

“Ductile Iron Storm Sewer Pipe ___ In. Diam.”, per linear foot.

The second paragraph is revised to read:

The unit Contract price per linear foot for sewer pipe of the kind and size specified shall be full pay for the furnishing, hauling, and assembling in place the complete installation, including but not limited to, disposal of material excavated within the pipe zone, furnishing and installing pipe bedding and backfill material within the pipe zone, and all wyes, tees, special fitting, joint materials, and other appurtenances necessary for the completion of the installation to the required line and grade, unless proposal items are included for these specific items of work.

The pay item “Removal and Replacement of Unsuitable Material” is revised to read:

“Removal and Replacement of Unsuitable Material”, per cubic yard.

The unit Contract price per cubic yard for “Removal and Replacement of Unsuitable Material” shall be full pay for all work required to load, haul and dispose of the unsuitable material as

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1 specified in Section 7-08.3(1)A and to furnish, place and compact suitable backfill material as
2 specified in Section 7-08.3(3).

3
4 For the purpose of providing a common proposal for bidders, the proposal quantity for "Removal
5 and Replacement of Unsuitable Material" is based on removal and replacement of all backfill
6 material.

7
8 *This Section is supplemented with the following:*

9
10 "Testing Sewer Pipe", per linear foot

11
12 The unit Contract price per linear foot for "Testing Sewer Pipe" shall be full pay for all labor,
13 material and equipment required to conduct the leakage tests required in accordance with
14 Section 7-17.3(2).

15
16 "TV Inspection", per linear foot

17
18 The unit Contract price per linear foot for "TV Inspection" shall be full compensation to TV
19 inspect all sewer pipe in accordance with Section 7-17.3(2)H.

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22

END OF SECTION