



City of Tacoma

Environmental Services Department

ADDENDUM NO. 1

DATE: 04/21/2023

REVISIONS TO:

Request for Bids Specification No. ES23-0015F

2022 Stormwater & Wastewater Ultraviolet Cured-In-Place Pipe Sewer Rehabilitation Project in Various Tacoma Locations - REBID

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 has been changed to 11:00 a.m., Pacific Time, Tuesday, May 2, 2023.

REVISIONS TO THE SPECIAL PROVISIONS:

- **Change No. 1 – Revision to Section 7-21.2(7) CIPP Structural Requirements**

Delete lines 5-10, Page 84, and replace with the following:

2. The required structural fiberglass reinforced UV CIPP wall thickness shall be determined using the Design Equations in the appendix of ASTM F1216. Design calculations shall be based, at minimum, on the physical properties and design parameters provided below:

| | |
|----------------------------------|----------------------|
| Pipe Condition | Fully Deteriorated |
| Design Safety Factor | 2.0 |
| Creep Retention Factor | 50% |
| Flexural Modulus (short-term) | 725,000 psi |
| Flexural Strength (short-term) | 6,500 psi |
| Ovality | 2% |
| Modulus of passive soil reaction | 1,000 psi |
| Groundwater Depth | Assume at surface |
| Soil Depth (above the crown) | varies |
| Live Loading | H-20 Highway Loading |
| Soil Load (assumed density)* | 134 pcf (lb/Cu.Ft.) |
| Minimum design service life | 50 years |

** No soils investigation related to this project has been performed.*



City of Tacoma

- **Change No. 2 – Revision to Section 7-20.3(5) CCTV Inspection**

Delete lines 33 - 36, Page 72, and replace with the following:

In addition, the Contractor shall perform stormwater and wastewater side sewer inspections where they exist via a mainline camera with a lateral launching setup. The lateral launch camera shall be capable of extending at minimum up to 15 feet from the mainline and shall include an on-screen footage counter.

QUESTIONS SENT TO THE CITY VIA EMAIL:

Question 1: There is currently 100 working days in the project, will the City consider additional days to the contract for acquiring the Railroad permit?

Answer 1: The City will not consider negotiating additional contract time for the sole purpose of procuring the railroad permit.

Question 2: Section 7-20.3 (6) requires all roots to be removed for lining. Can the City provide video so we can bid accordingly? Will the City consider adding a bid item for root removal?

Answer 2: Root removal is included in the unit Contract bid item, "Pre-Installation Cleaning and Inspection", per linear foot. The City doesn't currently have any videos on a public server to share with the Contractor at this time.

Question 3: Section 7-20.3(6)B Lining Feasibility mentions "metal rod removal". Can the City provide video of this segment?

Answer 3: The City has provided two video screenshots of the two metal rods, approximately 2' to 3' in length, in the 30-inch diameter concrete stormwater segment #6261645 in Appendix D of the Special Provisions.

Question 4: Please clarify which resin systems are allowed. Styrene-free or styrene resin systems?

Answer 4: Both styrene-free and styrene resins are utilized in this Project. Styrene-free resin is to be utilized only on wastewater segment #6253181, wastewater segment #6271969, and wastewater segment #6263953 on Sheet 4 of the Plans and on all stormwater segments.

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. ES23-0015F Addendum No. 1. The City reserves the right to reject any and all bids, including, in certain circumstances, for failure to appropriately acknowledge this addendum.

cc: Jordan Ennis, P.E., Environmental Services
Olivia Mathison, Environmental Services