Tacoma

CITY OF TACOMA

Environmental Services Department

ADDENDUM NO. 3 **DATE:** July 7, 2022

REVISIONS TO:
Request for Bids Specification No. ES22-0009F
2022 Stormwater & Wastewater Ultraviolet Cured-In-Place Pipe Sewer Rehabilitation Project in Various Tacoma Locations

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, July 19, 2022.

REVISIONS TO THE SPECIAL PROVISIONS:

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

  Delete this section and replace it with the following:

1. The thickness of each fiberglass reinforced UV CIPP liner installed shall be determined using calculation methods that are consistent with industry standards, City of Tacoma design requirements, and the requirements of all applicable ASTMs. The Contractor's Design Engineer shall submit stamped and signed designs prior to the installation of any liner. The design calculations shall be stamped and submitted by an engineer licensed within the state of Washington. The designs shall include a step-by-step calculation that shows all equations, defines all variables, lists all assumptions, and clearly indicates all values used for the design.

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	6,500 psi
Ovality	2%
Modulus of passive soil reaction	1,000 psi
Groundwater Depth	Assume at surface
Soil Depth (above the crown)	See Plan Set (varies)
Live Load	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.*

- **Change No. 2 – Revision to Section 1-08.5 Time for Completion**

  The supplemental text at the end of this section is revised to read:

  This project shall be physically completed within 100 working days. The City will consider negotiating additional contract time for the sole purpose of material procurement related to supply chain issues with the low bidder.

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. ES22-0009F 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: Jordan Ennis, P.E., Environmental Services
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