



MEMORANDUM

Council Agenda
Item No. X. G
8/27/2024

The City of OKLAHOMA CITY

TO: Mayor and City Council

FROM: Craig Freeman, City Manager

Concurrence with the Oklahoma City Water Utilities Trust in approving Amendment No. 5 to the Contract for Engineering Services with Carollo Engineers, Inc., Project WY-0012, Distribution System Nitrification Evaluation, fee increase of \$412,322. Wards 1, 2, 3, 4, 5, 6, 7 and 8.

Location:

Citywide

Background:

This project conducts a comprehensive evaluation of the Oklahoma City water distribution system to assess the possibility of nitrification/water degradation, deliver a nitrification action plan (NAP), and provide estimated costs to implement and maintain the NAP. The NAP provides procedures for detecting, monitoring, and managing nitrification, including taking preventative actions, and responding to nitrification episodes.

Subsequent to execution of the original contract as previously amended, it has been determined to be in the best interest of the Oklahoma City Water Utilities Trust to direct the Engineer to provide characterization of galvanized iron pipe (GIP) for six initial sites, including sequential sampling, elemental analysis, scale solubility testing to confirm the nature of the GIP scale, and scale stability to the current scope to evaluate the lead service line (LSL) and cast-iron pipe in the pilot scale pipe loops.

The Engineer will also assess the GIP wall thickness as an indicator of the risk of pipe failure, provide additional LSL harvesting and evaluation, and project coordination and communication associated with the additional tasks.

Engineer:

Carollo Engineers, Inc.

Engineering Fee:

Original Contract Amount	\$394,430
Amendment No. 1	1,961,970
Amendment No. 2	112,830
Amendment No. 3	506,350
Amendment No. 4	1,368,480
Amendment No. 5	<u>412,322</u>
Revised Contract Amount	\$4,756,382

Source of Funds:

OCWUT-Water Trust Operating-Water Operating-Water Treatment All Plant-Project WY-0012-Professional Services-Other (360-3010-3901100-0660-WY-0012-52040046)

Review:

Public Works Department

Recommendation: Concur with the Oklahoma City Water Utilities Trust in approving the amendment.