

PROFESSIONAL CONTRACT CHANGE ORDER

CO NUMBER	2
BID ITEM	24-150
DATE	2/19/2025

PROJECT TITLE Lead and Copper Rule Revision Water Service Line Inventory Development for AUD

ORIGINAL CONTRACT DATE 3/19/2024 **PROJECT NUMBER** AUD 2023-013

OWNER AUGUSTA, GEORGLA **PO NUMBER** 24AUA124

The following change is hereby made to the contract for the above project:

Description of Change (for a more detailed description see attached proposal):
 While Augusta Utilities submitted our initial lead service line inventory to US EPA by the deadline of October 16, 2024, the compulsory elements of the subsequent Lead Copper Rule Improvements (LCRI) require additional work to be done due to the methodology Augusta Utilities chose for the initial inventory. This change order will allow HDR Engineering, Inc. to complete the follow-up work of surveying approximately 400 sites. HDR's proposal is attached, for reference.




PAYEE HDR Engineering, Inc.

TOTAL AMOUNT OF THIS CHANGE ORDER \$ 95,000.00

The contract time will be INCREASED by 180 calendar days as a result of this change.

ORIGINAL CONTRACT AMOUNT	\$	280,000.00
PREVIOUS CHANGE ORDER (INCREASE)	\$	3,207.00
THIS CHANGE ORDER (INCREASE)	\$	95,000.00
TOTAL REVISED CONTRACT AMOUNT WITH CHANGE ORDER	\$	378,207.00

FUNDING NUMBER/ACCOUNT NUMBER	G/L 514043410	5212115
	J.L 82400010	5212115

PROPOSED BY:	 _____ CONSULTANT	DATE:	3-3-2025
REQUESTED BY:	 _____ AUDIT PROJECT MANAGER	DATE:	2-19-2025
SUBMITTED BY:	 _____ DEPARTMENT HEAD	DATE:	10mar25
FINANCE ENDORSEMENT:	_____ COMPTROLLER	DATE:	_____
RECOMMENDED BY:	_____ ADMINISTRATOR	DATE:	_____
APPROVED BY:	_____ MAYOR	DATE:	_____



* Please return to:
 Tess Thompson - Utilities - Walker St.

SCOPE CHANGE AUTHORIZATION

Project: Lead and Copper Rule Revision

Water Service Line Inventory Development **Date Prepared:** January 23rd, 2025
(RFP 24-150)

HDR Project No.: 10398343

Client: Augusta Utilities Department

Project Manager: Alex Pofahl

Scope Change No.: 2

DESCRIPTION OF SCOPE MODIFICATIONS AND JUSTIFICATION

The following changes to the scope of services included in the contract for the Lead and Copper Rule Revision Water Service Line Inventory Development executed on April 22nd, 2024:

- Additional verification services to inspect service lines from the verification pool (defined as non-lead service lines installed prior to 1990)

The aforementioned additional scope will assist Augusta Utilities Department (AUD) in preparing for the additional regulations set forth in the Lead and Copper Rule Improvements (LCRI) which was promulgated on October 30th, 2024 and builds upon the Lead and Copper Rule Revision (LCRR). The LCRI builds upon the 2021's LCRR requirement for water systems to create an initial inventory, to regularly update their inventory, and to identify the material of all service lines by the mandatory service line replacement deadline (2037).

Under the existing scope for this project, AUD and HDR partnered to complete the service line inventory utilizing a combination of field verifications at the meter box, historical records review, and predictive modeling. AUD has submitted a complete service line inventory to Georgia EPD ahead of the compliance deadline. This inventory contains no unknown, lead, or galvanized requiring replacement service lines.

However, as part of the LCRI, water systems are now required to validate a subset of non-lead service lines in their inventories by December 31, 2034. The validation pool includes all non-lead service lines except for those installed after the applicable Federal, State or local lead ban (1990 in Georgia), those that have been visually inspected at a minimum of two points, and previous lead or galvanized requiring replacement service lines that have already been replaced.

Based on this criteria, AUD's site validation pool is >50,000 and thus 384 validations are required by the LCRI. These validations must be randomly selected from the validation pool utilizing a random number generator or similar approach.

These validations include a visual inspection at a minimum of two points on the pipe exterior. These validations should be recorded and submitted to the state primacy agency (GA EPD) each year with the service line inventory updates.

DETAILED SCOPE OF SERVICES

Task 5 – LCRI Verification Support

In order to perform this task, HDR will conduct a desktop analysis to recommend sites for inspection. HDR will assemble the validation pool and utilize a random number generator to select 384 sites.

HDR will mobilize staff to perform visual inspections at the meter box. If either side of the service line (meaning the customer-owned and/or utility-owned portion) cannot be viewed and classified from the meter box, then the site will be flagged for future potholing (conducted by AUD staff or a third-party contractor) to classify the material of the service line.

Task 5 Assumptions

- HDR will utilize a GIS-based application to document the material classification for these field verifications and turn over the CSV file and annotated photos to AUD. This task does not include any further revisions to the initial inventory.
- Should the customer-owned portion of the service line not be visible from the meter box, AUD will coordinate access to private property for potholing as required. If access cannot be granted, then HDR will coordinate another site through the random number generator. AUD will document the initial site access challenges for GA EPD.
- For sites that require potholing, AUD will schedule the work orders to perform the work. AUD will coordinate with HDR to either be present during the potholing effort to classify the material, or will coordinate with HDR to collect the required data and photos to classify the material.

Task 5 Deliverables

- Results of Verifications in CSV (GIS-based) and photo formats.

Project Budget

The following table shows the budget for Task 5 and the revised overall fee. Tasks 1 through 4 are complete at the time of this change order.

Task	Contract Fee	Change Order 1 Adjustments	Proposed Change Order 2 Adjustments	Total Fee by Task
1 - Concurrence Plan	\$ 38,000	\$ -	\$ -	\$ 38,000
2 - Service Line Inventory via Predictive Modeling	\$ 175,000	\$ -	\$ -	\$ 175,000
3 - Field Inspections with photo annotations and index	\$ 67,000 (\$67/EA)	-\$38,793	\$ -	\$ 28,207
4 - LSLR Plan	\$ 42,000	+\$ 42,000	\$ -	\$ 42,000
5 - LCRI Field Verification Support	\$ 0	\$ -	+\$ 95,000	\$ 95,000
Totals	\$ 280,000	+\$ 3,207	+\$ 95,000	\$ 378,207

Preliminary Schedule

The additional work will take 6 months. This deliverable will be incorporated into the current schedule as summarized below.

PROJECT MILESTONES

Task Name	Completion Date
Anticipated NTP	February 2025
Field Verification Completion	August 2025

CONTRACT MODIFICATIONS

The effect of these changes to the work plan is as follows:

- Fee for New Scope: \$95,000
- Previous Work Plan Not to Exceed Authorized Amount: \$283,207
- New Work Plan Not to Exceed Authorized Amount: \$378,207
- Change in Contract Time: 6 months

Approved by City of Augusta: _____

Date: _____

Approved by HDR Engineering, Inc.: _____

Date: _____

AUGUSTA, GEORGIA

PURCHASE ORDER

SUITE 606, PROCUREMENT DEPARTMENT
535 TELFAIR STREET, MUNICIPAL BUILDING 1000
AUGUSTA, GEORGIA 30901-2377
PHONE: (706) 821-2422

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PURCHASE ORDER NO.
24AUA124

REQUISITION/QUOTE NO.
R391502

DATE 06/14/24	DEPARTMENT 043410	VENDOR PHONE #
VENDOR # 21240	E-VERIFY # 42021	EMAIL

PURCHASE ORDER NUMBER ABOVE
MUST APPEAR ON ALL INVOICES,
SHIPPING PAPERS, AND PACKAGES.

VENDOR HDR ENGINEERING 1201 PEACHTREE STREET, NE COLONY SQUARE, SUITE 600 ATLANTA, GA 30361	ATTN: CO1 BID NUMBER: 24-150 CONTRACT #: 24AUA124 BUYER: NANCY
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SHIP TO: AUGUSTA UTILITIES ADMIN 452 WALKER STREET SUITE 200 AUGUSTA, GA 30901	BILL TO: AUGUSTA, GEORGIA ACCOUNTING DEPARTMENT, SUITE 800 535 TELFAIR STREET, MUNICIPAL BUILDING 1000 AUGUSTA, GA 30901-2379 (706) 821-2335 ALL INVOICES AND CORRESPONDENCE MUST BE SENT TO ABOVE ADDRESS REGARDLESS OF SHIPPING DESTINATION.
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ITEM #	QUANTITY	UNIT	PRODUCT ID	DESCRIPTION	UNIT PRICE	AMOUNT
0001	1	LS		LEAD AND COPPER RULEE REVISION WATER SERVICE LINE INVENTORY DEV. APPROVED BY COMMISSION 3/19/24, ITEM #14 514-04-3410/52-12115	280,000.00	280,000.00
0002	1	EACH		LEAD AND COPPER RULE REVISION DEVLEOPMENT OF A LEADD SERVICE LINE REPLACEMNT G/L 514-04-3410/52-12115 J/L 82400010-5215115	3,207.00	3,207.00

CORRECTION:
10/5/24 INITIALS Nw

DATE: INITIAL:

CONDITIONS - READ CAREFULLY

1. The purchaser is exempt by statute from payment of Federal, State and Municipal sales, excise and other taxes.
2. Shipping charges prepaid by vendor.
3. Payment will be made on complete shipments only unless otherwise requested.
4. DELIVERY TICKET MUST ACCOMPANY GOODS.
5. No back orders. We will reorder if available.
6. Please make deliveries between 9 A.M. and 4 P.M.
7. All goods received with subsequent privilege to inspect and return at Vendor's expense if defective or not in compliance with our specifications.
8. Indoor delivery if necessary.
9. Payment Net 30 or according to contract.

Sent by:

OCT 14 2024

Tess Thompson

REQUISITIONER

NET TOTAL..... 283,207.00

APPROVED FOR ISSUE

Darrell White
INTERIM PROCUREMENT DIRECTOR