
SCOPE CHANGE AUTHORIZATION

Project: Lead and Copper Rule Revision
Water Service Line Inventory Development (RFP 24-150) **Date Prepared:** January 23rd, 2025

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: _____