

EXECUTIVE PROJECT SUMMARY

PROJECT TITLE: Lead Service Line Replacement				
FUNDING RECIPIENT (ENTITY): City of Franklin				
COORDINATES: 43.4442432,-71.6472988				
PUBLIC WATER SYSTEM: Franklin Water Works			PWS #: 0851010	
ENVIRONMENTAL REVIEW POINT OF CONTACT: Jenna Rzasz				
ORGANIZATION: Tata & Howard, Inc.				
EMAIL ADDRESS: jrzasz@tataandhoward.com				
PROJECT LOCATION(S)				
ADDRESS	TOWN	COUNTY	TAX MAP	TAX LOT
City-wide	Franklin	Merrimack	multiple	multiple

PROJECT BACKGROUND

The City of Franklin has water infrastructure that dates back to the 1800s. Today, the infrastructure serves approximately 7,000 people daily. On average, the City uses about 573,060 gallons of water per day. The City of Franklin's drinking water comes from 3 well fields, which are filtered through the water treatment plant within the city. There are 57 miles of water main in Franklin.

PURPOSE AND NEED

Because the City's infrastructure dates back to the 1800s, the material of many service lines within the City is unknown. The City will work to identify the material that makes up the nearly 1,600 service lines that are currently classified as "unknown" material. It is possible that these service lines could be lead or galvanized requiring replacement (GRR). According to the Environmental Protection Agency's Lead and Copper Rule Revisions, all service lines that are made of lead or GRR need to be replaced. This project will allow the City to identify and replace service lines to comply with the EPA regulations. Lead contamination in water can cause lead poisoning, which poses a health risk, especially for children and pregnant women. The quality of water will improve following the replacement of any lead service lines.

Provide background of this infrastructure including year of construction: See lead service line inventory.

ALTERNATIVES ANALYSIS

There are no alternatives. Replacement of lead and/or galvanized service lines is required by federal rule.

PROJECT DETAILS

All 1,577 locations with unknown service line material will be identified in order to determine if they are lead or galvanized and therefore need to be replaced. Once the material is identified, all lead or galvanized requiring replacement service lines will be removed. New copper lines will be installed, most likely with 3/4" or 1" diameters. There will be no major infrastructure alterations through construction, given that the new lines are being laid exactly where the existing lines operated. Only a small disturbance is required for this project. No expansion or increase of the water system is required.

For the purposes of this review, it should be assumed that all unknown service lines have the potential to require replacement. Though the majority will not need to be replaced, it is not possible to know which ones will require replacement until the identification work is complete. The City seeks to be able to replace any lead or galvanized requiring replacement (GRR) service lines that are discovered. Therefore, this environmental review is being completed to encompass all potential impact areas.

FUNDING PLAN

The City of Franklin voted to authorize funding in the amount of \$3,650,000 for this project on 09/03/2024.

The estimated cost of the overall project is \$3,650,000. The funding plan for this project is outlined below.

Funding Source	Loan Amount	Grant Amount	Loan/Grant Number
Drinking Water State Revolving Fund (DWSRF)	\$3,650,000	\$0	0851010-08



