

Lead Service Line Replacement Plan

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1. INTRODUCTION

The City of Carlinville, IL (City), located in Macoupin County, is submitting its first draft of the Lead Service Line Replacement (LSLR) Plan outlining the City's approach to replacing all lead and galvanized service lines within the City's service area. Replacement of lead and galvanized service lines is necessary to improve the health and safety of the City's residents and is required by the Illinois Lead Service Line Replacement and Notification Act (the Act), codified as 415 ILCS 5/17.12. This act requires the submission of a LSLR Plan yearly on April 15 from 2024 through 2027 to the Illinois Environmental Protection Agency. The final LSLR Plan is due April 15, 2027. Following the final submission, the City will continue to submit an updated plan annually for the first 10 years. After this period of time, the City will submit the report every three years until all lead and galvanized service lines have been replaced.

1.1 Background

The City of Carlinville owns and operates a public, community water supply that provides water to approximately 6,100 people. The City's community water supply is named Carlinville Public Water Supply (PWS) and operates under the Water System ID# IL1170150. Carlinville PWS has 3,041 metered service connections including residential, commercial, and industrial customers, namely Blackburn College and Prairie Farms Dairy. Of these users, there are over 25 high-risk facilities identified that are further detailed in Section 2.2.1. The City has not started city-wide lead service line replacements and thus the only lines replaced since 2020 are those associated with water main replacements.



2. LEAD SERVICE LINE REPLACEMENT PLAN

2.1 Existing Service Line Inventory

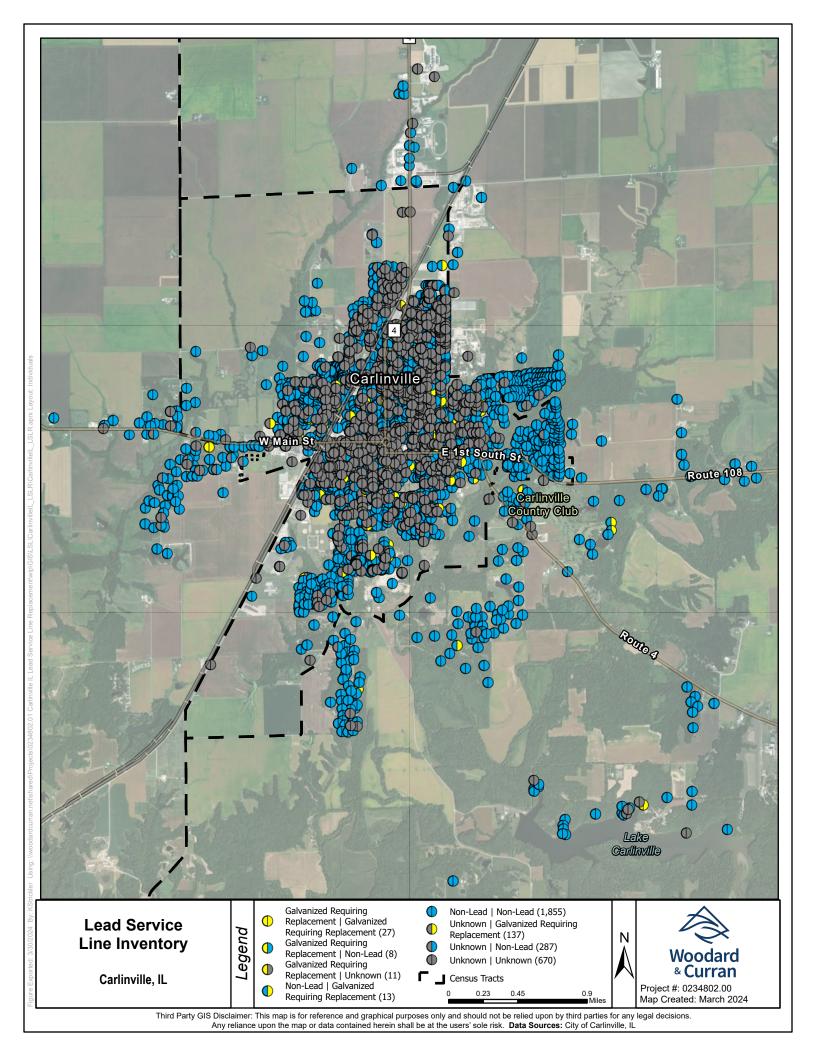
The City has compiled a Lead Service Line Inventory (LSLI), to the best extent possible utilizing local construction records, historical knowledge, public outreach, and/or visual inspections. The material classification for both the private and public side of the service connection is quantified in Table 2-1 below. A high number of unknown service line materials remain. These will be investigated via potholing or other approved methods as the City continues the replacement of service lines. These numbers will continue to be updated as more information becomes available. Of the 3,041 service connections, the City will be required to investigate, verify, and accordingly replace 1,178 total connections. This includes public-side only, private-side only, and full replacements, dependent on material. Figure 2-1 provides a map showing the current LSLI.

TABLE 2-1: SERVICE LINE MATERIAL CLASSIFICATION

Service Line Material	Private Side Quantity	Public Side Quantity
Copper	1,693	1,883
Plastic	183	279
Unknown, Not Lead	0	0
Cast / Ductile Iron or Transite	0	0
Total Not Requiring Replacement	1,876	2,162
Lead	0	0
Galvanized	45	178
Unknown	1,120	701
Total Requiring Replacement	1,165	879



FIGURE 2-1: CURRENT LEAD SERVICE LINE INVENTORY MAP





2.2 Long-term Plans & Goals

Based on the current stage of the LSLI, the City has identified a long-term plan to replace all lead and galvanized service lines within the service area. Since the total number of service lines requiring investigation and/or replacement is 1,178, based on regulations in the Act, the City must replace 7% of those lines per year, over 15 years. The yearly replacement rate currently stands at 83 lines per year.

2.2.1 Prioritization of High-Risk Facilities

High-risk facilities are facilities that have the greatest risk associated with its occupants drinking lead-contaminated water due to known health risks; the greatest risk being to young children and pregnant women. High-risk facilities include preschools, day care centers, day care homes, group day care homes, parks, playgrounds, hospitals, and clinics, as well as any high-risk areas identified by the City. As part of the public outreach, the City will ask any and all high-risk facilities, namely day care homes, to identify themselves and provide their address so they can be added to the priority list. These facilities will be prioritized during phase two of the service line investigation and replacements.

The City has identified the following as high-risk facilities. Locations requiring replacement are bolded.

- Carlinville Area Hospital
- Hallmark Healthcare of Carlinville
- Lakeside Healthcare
- Carlinville Rehabilitation and Health Care Center
- Carlinville High School
- Carlinville High School Football Field
- Carlinville Primary School
- Carlinville Intermediate School
- Roe #40 District Carlinville
- Cross Church Preschool
- Zion Lutheran Preschool
- Carlinville Head Start
- Children's Garden Learning Center

- Macoupin Center for the Developmentally Disabled
- Forever Friends Family Childcare
- Loveless Park
- Carlinville Park District
- Carlinville Country Club
- Village at Morse Farms
- The Cottages
- Patterson House Group Homes
- Macoupin County Housing Olroyd Court
- Carlinville Associates
- Congregate Housing at Walnut Villa Apartments
- Macoupin County Fairgrounds Buildings



2.2.2 One-Year Replacement Plan and Schedule

Year one of the service line replacement efforts will begin in 2024. Since there are no known lead service lines, the City is prioritizing all galvanized and unknown service lines outside of its main census tract. The City is prioritizing all the galvanized and unknown service lines that lie outside its main census tract to complete these outlier locations so future phases can focus on clusters of known or unknown services. This project has a scheduled bid opening of April 23, 2024 with an anticipated construction start date of June 1, 2024. This first phase will replace a total of 42 lines due to current funding availability. As more funding becomes available, the City will continue to prioritize high-risk facilities, then known galvanized lines within the main census tract, then unknowns. A map showing the service lines to be replaced in Phase 1 is included in Appendix A.

2.2.3 Two – Five-Year Replacement Plan and Schedule

For years two through five of the replacement plan, the City will investigate and/or replace a minimum of 83 galvanized and/or unknown service lines per year. High-risk facilities will be prioritized during phase two of investigation and replacement. Once high-risk facilities and known galvanized lines are addressed, investigation and subsequent replacement of unknown service lines will take place. Maps showing the service lines that are planned to be replaced in Phases two through four are provided in Appendices B, C, and D, respectively. Phase five is shown as a regional replacement area in Appendix E.

2.2.4 Six – Ten-Year Replacement Plan and Schedule

Years six through ten will continue with material investigations and/o the replacement of a minimum of 83 service lines, as required, of currently unknown materials in varying regions of the City. The replacement regions have been prioritized based off a suspected lead service line map provided by the community water supply. A combined Phases five through 15 map is included in Appendix E.

2.2.5 11 – 15-Year Replacement Plan and Schedule

Years 11 through 15 will continue with material investigations and/or the replacement of a minimum of 83 service lines, as required, of currently unknown materials in varying regions of the City. The replacement regions are prioritized based on a suspected lead service line map provided by the community water supply. With the current inventory, all replacements should be complete by year 15. As unknown service connections are investigated, it is likely that many will not require replacement, thus reducing the total number of assumed lead lines. This could shorten the period of time needed to complete lead service line replacements within the City's service area, potentially eliminating the need for at least year 15. A combined Phases 5-15 is included in Appendix E.

2.2.6 16 – 30-Year Replacement Plan and Schedule

Based on the replacement schedule outlined in the Act, communities with less than 1,200 service lines needing replacement should finish the work within 15 years. It is not anticipated that service line replacement work will exceed the 15-year mark for the City.



2.2.7 Anticipated Lead Service Line Locations

The community water supply has provided W&C with a map marked with suspected areas of lead service lines. This map was referenced when sequencing the phases replacing unknown service lines.

2.3 Lead Service Line Replacement Procedure

Lead service lines will be replaced in full. No partial service line replacements will occur. This will be executed by following the procedure detailed below and summarized in Figure 2-2.

Customers will then be notified at least 45 days in advance of replacement and provided with a Consent Form to be completed by the Customer to allow the replacement of the service line. Customers will then be notified again, 15 days in advance of the replacement detailing the work and its potential effects. The City (or its Contractor) will confirm the appointment date with the Customer.

On the day of replacement, the City or its Contractor will confirm the pipe material at the three locations including: the meter, the water main (extending 2 feet from the main along the service), and the curb stop (extending two feet towards the main and to the property line in the opposite direction along the service) to verify existing service line materials. If lead, galvanized, or unknown materials are found, City or Contractor will continue with the service line replacement.

For every service replacement, a new corporation and curb stop will be installed. The existing service will be replaced with new polyethylene piping in the same location as the existing service. The existing service is to be removed and disposed of.

City or Contractor will connect the new water service to the existing service or interior plumbing equipment 18 inches beyond the interior building foundation wall or to the first shut-off valve (whichever is shorter) and will install a new angle ball meter valve between the foundation wall and the connection to existing plumbing.

Following the replacement of a service line, the Customer will be provided with a flushing protocol, pitcher filter and replacement cartridges, and a notification that the City will provide sampling at 3 to 6 months post-replacement.

At 3-months post replacement, the City will send notice to customers that they will provide post-replacement sampling kits at no cost to analyze for the presence of lead. The City or Contractor will make three attempts (monthly, beginning at 3 months) to contact customers for post-replacement sampling. The City will provide sampling results to the Customer once received.

The 15-day notification letter, flushing protocol, pitcher filter notification, and sampling notification are included in Appendix F.



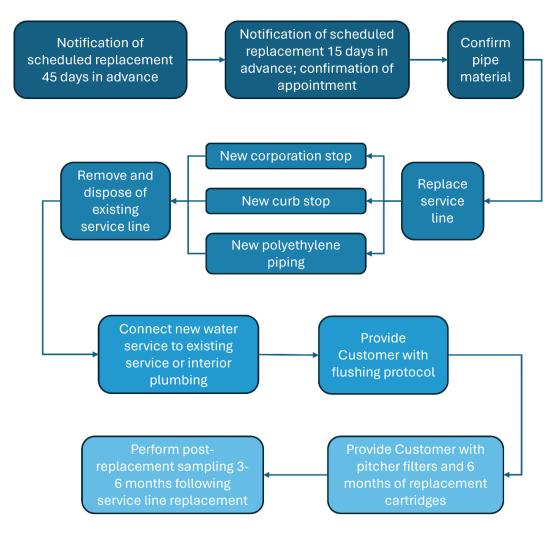


FIGURE 2-2: SERVICE LINE REPLACEMENT PROCEDURE

2.4 Public Outreach

The City will publish this LSLR Plan along with the LSLI on the City's website by April 15, 2024. The announcement will include information on a public comment period including how to comment, the deadline for comments, and the date of a City Council meeting where the comments will be addressed (date TBD). A similar informational advertisement will be published in the City newspaper to notify citizens where to find the LSLR and LSLI online. Additionally, in the Fall / Winter of 2023, public outreach letters were mailed to all residents with service lines of unknown material requesting that they either self-classify their service line material (using the guide provided) or request for a member of the water department to investigate the line.

2.5 Good Faith Effort

In order to encourage diversity in hiring, the City will make a good faith effort to hire contractors and vendors owned by minority persons, women, and persons with a disability for no less than 20% of the total contracts following Section 2 of the Business Enterprise for Minorities, Women, and Persons with Disabilities



Act. This 20% of contracts is split among the groups as follows: 11% awarded to minority-owned businesses, 7% awarded to women-owned businesses, and 2% awarded to businesses owned by persons with a disability. Following subsection (n) of 415 ILCS 5/17.12, the City will take the following steps to make a good faith effort.

- 1. When economically feasible, the City will divide projects into contracts of smaller size to allow small business contractors and vendors to have the ability to qualify in the applicable bidding process.
- The City will solicit through reasonable and available means the interest of businesses that have the capability to perform the work of the contract with sufficient time to allow certified businesses to respond.
- 3. The City will provide interested certified businesses with adequate information about the plans, specifications, and requirements of the contract, including addenda, in a timely manner to assist them in responding to the solicitation.
- 4. The City will meet in good faith with interested certified businesses that have submitted bids.
- 5. The City will effectively use the services of the State, minority or women community organizations, minority or women contractor groups, local, State, and federal minority or women business assistance offices, and other organizations to provide assistance in the recruitment and placement of the certified businesses.
- 6. The City will make efforts to use the appropriate forums for purposes of advertising subcontracting opportunities suitable for certified businesses.



3. COSTS & FINANCING

3.1 Cost Estimates

Table 3-1 shows a detailed construction cost estimate for LSLR within the City. For Fiscal Year (FY) 2025, the total construction costs are anticipated to be **\$783,000**. This cost estimate will also be updated following bid openings to more accurately reflect the unit prices in the region.

TABLE 3-1: FISCAL YEAR 2025 CONSTRUCTION COST ESTIMATE

CITY OF CARLINVILLE, IL - LSLR					
Bid Item	Description	Quantity	Unit Price	Unit	Total Price
1	Mobilization / Demobilization	1	\$20,000	LS	\$20,000
2	Traffic Control	1	\$10,000	LS	\$10,000
3	Inspection Pits in Unpaved Areas	83	\$500	EA	\$41,500
4	Inspection Pits in Paved Areas	83	\$1,000	EA	\$83,000
5	Water Service Replacement - Property Line to Building Interior (Private Side)	83	\$2,000	EA	\$166,000
6	Long Water Service Replacement - Water Main to Property Line (Public Side)	42	\$4,500	EA	\$189,000
7	Short Water Service Replacement - Water Main to Property Line (Public Side)	41	\$3,000	EA	\$123,000
8	1-inch Curb Stop and Box	81	\$600	EA	\$48,600
9	1-1/2-inch Curb Stop and Box	1	\$1,000	EA	\$1,000
10	2-inch Curb Stop and Box	1	\$1,200	EA	\$1,200
11	Hot Mix Asphalt Surface Replacement	62	\$300	TON	\$18,600
12	Portland Cement Concrete Roadway Pavement, 8-inch (Replacement)	62	\$100	SY	\$6,200
13	Portland Cement Concrete Driveway Pavement, 6-inch (Replacement)	12	\$100	SY	\$1,200
14	Concrete Sidewalk Removal and Replacement	185	\$100	SY	\$18,500
15	Curb and Gutter Removal and Replacement	415	\$50	LF	\$20,750
16	Lead Removal Pitcher Including 6 Month Supply of Replacement Filters	83	\$95	EA	\$7,885
17	Post-Replacement Water Sampling	83	\$41	EA	\$3,403
	Subtotal				\$783,000
	Contingency		3%		\$23,000
	TOTAL BASE BID CONST	TRUCTION (COST ESTI	MATE	\$783.000

Table 3-2 provides the anticipated FY 2025 total project cost, including design and construction engineering and other professional services.



TABLE 3-2: TOTAL FISCAL YEAR 2025 PROJECT COST ESTIMATE

	Non-Escalated Fiscal Year 2025 Total Project Cost Estimate Table		
1	Design Engineering (including planning and form preparation):	\$16,000	
2	Construction Engineering (including bidding):	\$40,000	
3	Other Professional Services (separate legal, loan admin, etc.):	\$16,000	
4	Construction:	\$760,000	
5	Contingency (at 3% of estimated construction costs):	\$23,000	
6	Total Estimated Project Costs:	\$855,000	

A cost escalation table for the next four years is provided in Table 3-3. This shows the total project cost from Table 3-2 escalated by 3% each year.

TABLE 3-3: FOUR-YEAR COST ESCALATION

Cost Escalation (Assumed 3% per Year)		
Year	Cost	
Total Estimated Project Costs (Fiscal Year 2026)	\$881,000	
Total Estimated Project Costs (Fiscal Year 2027)	\$908,000	
Total Estimated Project Costs (Fiscal Year 2028)	\$936,000	
Total Estimated Project Costs (Fiscal Year 2029)	\$965,000	

3.2 Customer Affordability

TABLE 3-4: CURRENT WATER RATES

Water Charges	Wate	er Inside City	Wa	ter Outside City
Minimum Charge up to 1,500 gallons	\$	17.35	\$	26.03
Next 8,500 gallons	\$	11.56	\$	17.35
Next 10,000 gallons	\$	7.95	\$	11.94
Next 130,000 gallons	\$	7.22	\$	10.84
Over 150,000 gallons	\$	3.49	\$	6.38
Bulk 200,000+ gallons	\$	3.49	\$	6.38
Resellers	\$	8.33		

The average water use per customer is approximately 4,898 gallons per month (including both inside and outside City customers). The average water bill per customer inside the city is approximately \$56.63 (\$17.35).



for first 1,500 gallons + \$39.28 for remaining 3,398 gallons, at \$11.56 per 1,000 gallons). The average water bill per customer outside the city is approximately \$84.99 (\$26.03 for first 1,500 gallons + \$58.96 for remaining 3,398 gallons, at \$17.35 per 1,000 gallons). The weighted average water bill per customer is approximately \$60.18, considering approximately 87.5% of the customers are inside the city and 12.5% fall outside the city (inside City bill X 87.5% weighting factor + outside City bill X 12.5% weighting factor or \$56.63 X 0.875 + \$84.99 X 0.125).

Wastewater service users pay \$7.78 per 1,000 gallons of water used. Average use per customer is 4,898 gallons. Therefore, the average wastewater bill is \$38.11 (\$7.78 X 4,898 gallons)

Median Household Income (MHI) in Carlinville is \$53,583. Carlinville ratepayers currently pay an average of \$60.18 for water service, and \$38.11 for sewer service. The average combined water and sewer bill is \$98.28/month, or \$1,179.38 a year. The average water and sewer charge is currently 2.2% of MHI.

3.3 Payment Structure Options

The cost of replacing service lines in Carlinville is estimated at \$855,000/year in 2024 dollars. Replacements are expected to take place over the next fifteen (15) years. Three options were considered:

Option 1 – Financing all costs using state LSLR loan

The state of Illinois offers a 30-year loan @ 0% interest for lead service line replacements. If the City can take advantage of this program, they would borrow \$15.9 million over the next 15 years. By 2038, annual debt service payments would be \$530,069/year. These payments would continue through 2053, and then steadily decrease (as debt is amortized and retired) until they end in 2068.

There are currently around 3,041 service connections to the water system. Based on recent census data, the population in Carlinville is decreasing by 0.35% per year. If this trend continues, the number of connections will decrease to 2,747 by 2053. Therefore, in 2053 the debt service cost will be \$182.859/connection (\$501,569/2,747 users). Total water and sewer costs would equal \$1,361.97 (\$1,179.38 current costs + \$182.59 in new debt service costs). This projected bill is 2.54% of MHI.

Option 2 - Paying cash for all LSLR

The cash option would have utility users pay cash for all service line replacements in the year the work is done, without any borrowing. The cost of all the work is projected to be \$15.05 million from 2024 to 2038. The costs per water connection run from \$290.64/user (2025) up to \$446.41/user (2038). When these service line replacement costs are added to the existing water & sewer bills, the average bill will increase to \$1,625.79/year by 2038. This is 3.03% of current MHI. This option has a larger impact on user bills for the next 15 years, but there is no long-term debt service. All work would be fully paid for when it is completed in 2038.

Option 3 - Financing all costs using state LSLR loan, with 49% principal forgiveness

The state of Illinois offers a 30-year loan @ 0% interest for lead service line replacements. Principal forgiveness is also available to disadvantaged communities. If Carlinville can qualify for this program with principal forgiveness, they would borrow \$7.67 million over the next 15 years. By 2038, annual debt service

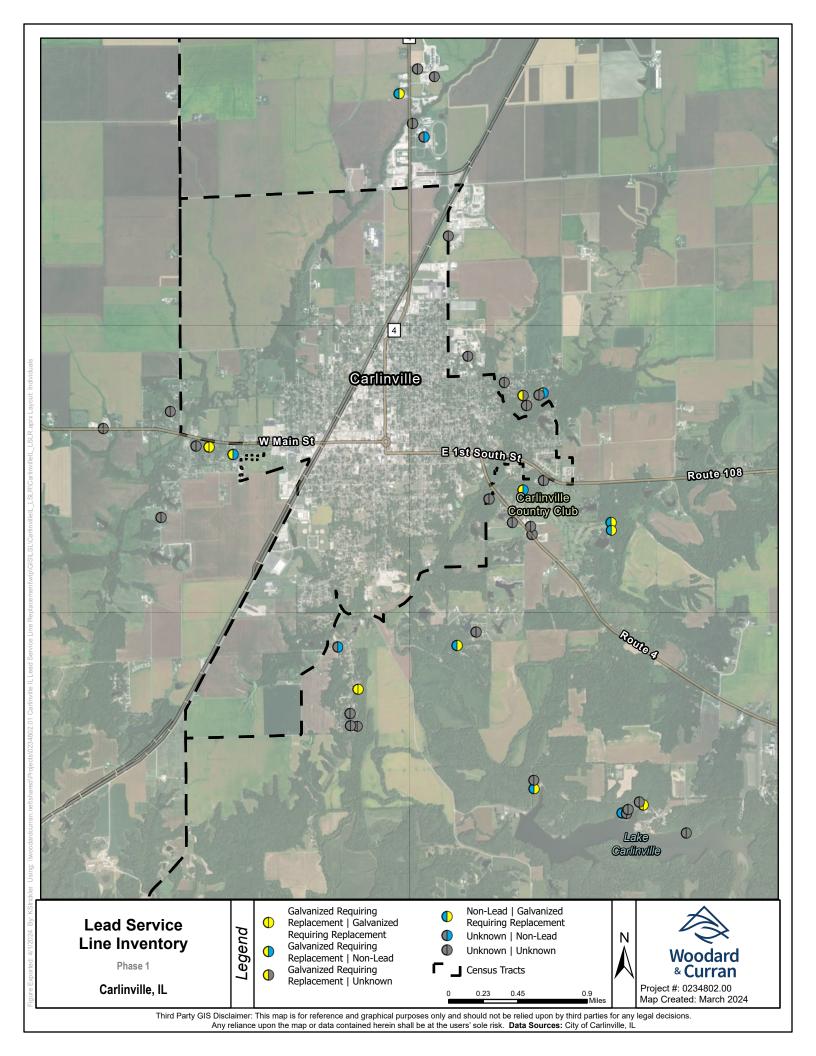


payments would be \$255,800/year. These payments would continue through 2053, and then steadily decrease until they end in 2068.

There are currently around 3,041 service connections to the water system. Based on recent census data, the population in Carlinville is decreasing by 0.35% per year. If this trend continues, the number of connections will decrease to 2,747 by 2053. Therefore, in 2053 the debt service cost will be \$93.12/connection (\$255,800/2,747 users). Total water and sewer costs would equal \$1,272.50 (\$1,179.38 current costs + \$93.12 in new debt service costs). This projected bill is 2.37% of MHI.

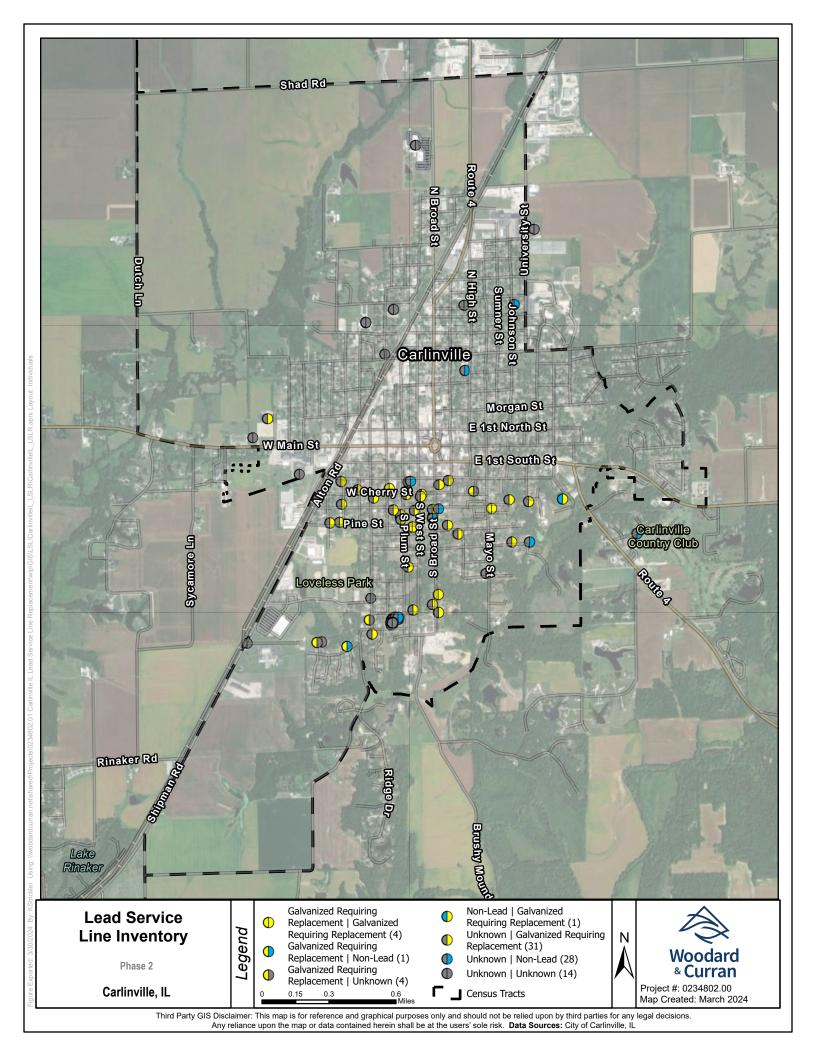


APPENDIX A: LEAD SERVICE LINE INVENTORY MAP – PHASE 1 REPLACEMENTS



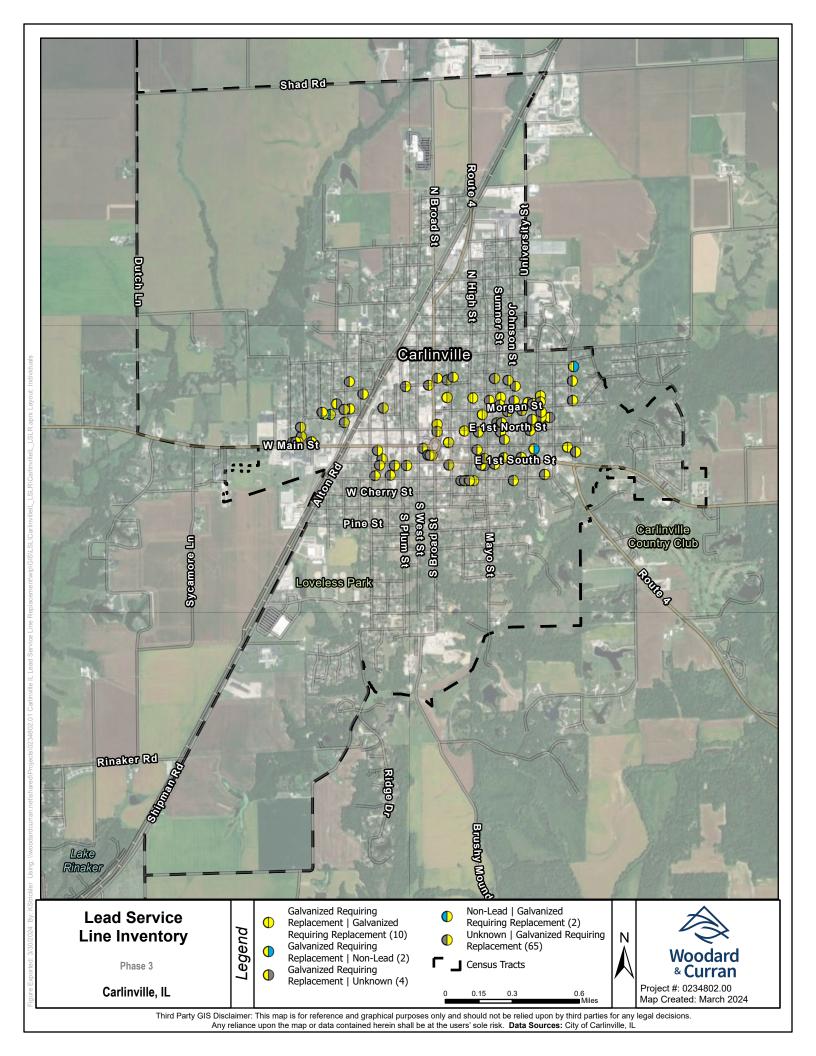


APPENDIX B: LEAD SERVICE LINE INVENTORY MAP – PHASE 2 REPLACEMENTS



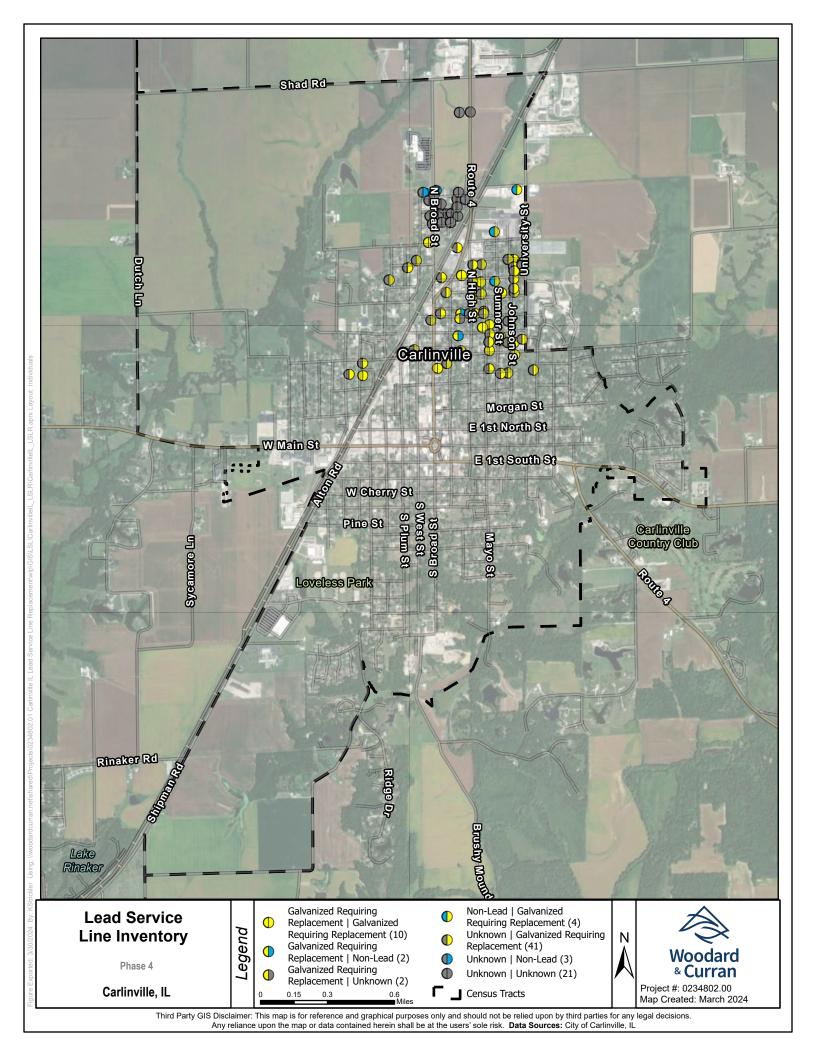


APPENDIX C: LEAD SERVICE LINE INVENTORY MAP – PHASE 3 REPLACEMENTS



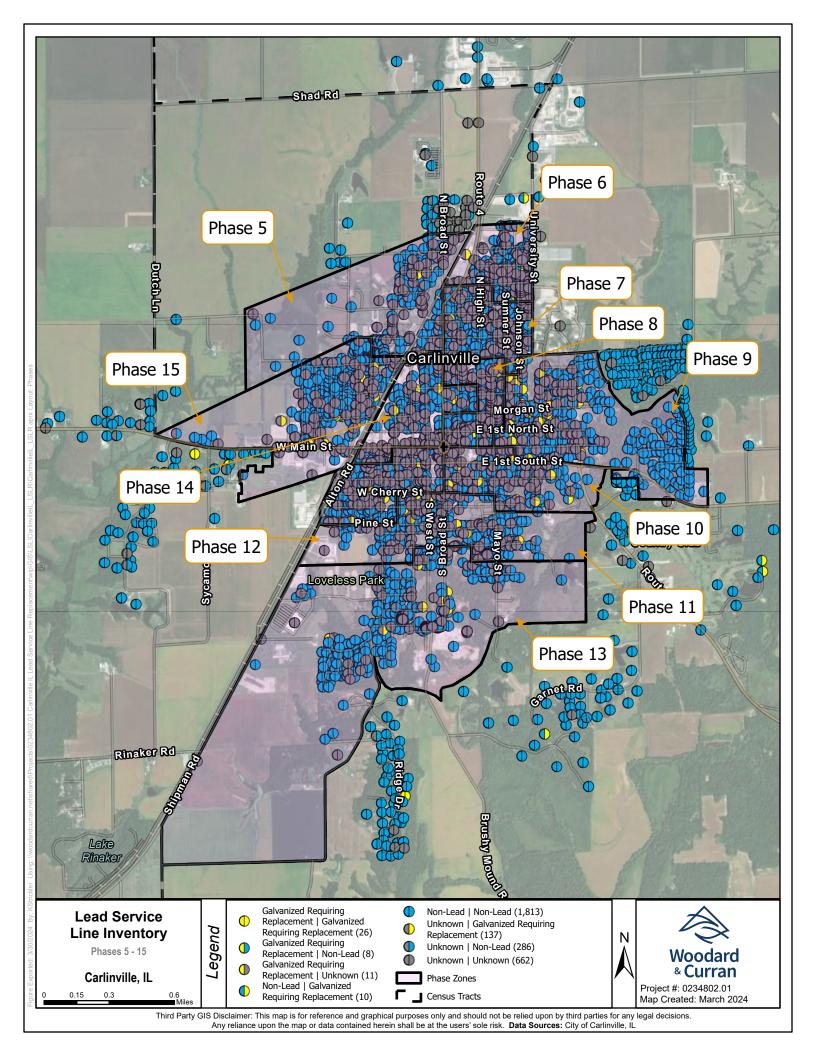


APPENDIX D: LEAD SERVICE LINE INVENTORY MAP – PHASE 4 REPALCEMENTS





APPENDIX E: LEAD SERVICE LINE INVENTORY MAP – PHASES 5-15 REPLACEMENTS





APPENDIX F: LEAD SERVICE LINE REPLACEMENT SUPPORTING DOCUMENT

Lead Informational Notice

IMPORTANT INFORMATION ABOUT YOUR DRINKING WATER

Dear Water Customer:	Today's Date:

This notice contains important information about your water service and may affect your rights. We encourage you to have this notice translated in full into a language you understand and before you make any decisions that may be required under this notice.

Diese Mitteilung beinhaltet wichtige Informationen über Ihre Wasserversorgung und könnte Ihre Rechte beeinflussen. Wir bitten Sie, dass Sie diese Mitteilung vollständig in eine Sprache übersetzen lassen, die Sie verstehen, bevor Sie eventuelle Entscheidungen treffen, welche im Zusammenhang mit dieser Benachrichtigung erforderlich sind.

Ang abisong ito ay naglalaman ng mahalagang impormasyon tungkol sa iyong serbisyo sa tubig at maaaring makaapekto sa iyong mga karapatan. Hinihikayat namin kayo na isalin nang buo ang abisong ito sa wikang naiintindihan ninyo at bago kayo gumawa ng anumang mga desisyon na maaaring kailanganin sa abisong ito.

આ સૂચનામાં તમારી પાણીની સેવા વિશે મહત્વપૂર્ણ માહિતી શામેલ છે અને તમારા અધિકારોને અસર કરી શકે છે. અમે તમને પ્રોત્સાહિત કરીએ છીએ કે તમે આ સૂચના હેઠળ જરૂરી હોય તેવા કોઈપણ નિર્ણયો લો તે પહેલાં તમે આ સૂચનાને તમે સમજો છો તે ભાષામાં સંપૂર્ણ ભાષાંતર કરો.

Niniejsze zawiadomienie zawiera ważne informacje na temat Państwa przyłącza wodociągowego i może mieć wpływ na Państwa prawa. Przed podjęciem jakichkolwiek decyzji, które mogą być wymagane na mocy niniejszego zawiadomienia, zachęcamy Państwa do przetłumaczenia całości niniejszego zawiadomienia na jezyk, który będzie dla Państwa zrozumiały.

لمحتوي هذا الإشعار على معلومات مهمة حول خدمة المياه لديك، وقد يؤثر على حقوقك. قبل اتخاذ أي قرارات قد تكون مطلوبة بموجب هذا الاشعار فإننا نشجعك على ترجمته بالكامل إلى لغة تفهمها.

اس نوٹس میں آپ کی پانی کی سروسز سے متعلق اہم ترین معلومات موجود ہیں اور یہ آپ کے حقوق کو متاثر کر سکتا ہے۔ ہم آپ کو ترغیب دیں گے کہ آپ اس نوٹس کا مکمل طور پر اس زبان میں ترجمہ کروائیں جو آپ سمجھتے ہو∪ اور ممکن ہے کہ آپ کے کوئی فیصلہ لینے سے قبل اس نوٹس کے تحت یہ درکار بھی ہو۔

Este aviso contiene información importante sobre su servicio de agua y puede afectar sus derechos. Lo animamos a que traduzca este aviso a un idioma que comprenda antes de tomar cualquier decisión que pueda ser necesaria en virtud del mismo.

이 통지서에는 귀하의 권리에 영향을 미칠 수 있는 수도 서비스에 관한 중요한 정보가 제시되어 있습니다. 이 통지서에서 요구하는 결정을 내리기 전에 이 통지서를 귀하가 이해할 수 있는 언어로 번역하시기 바랍니다.

本通知包含有关您的供水服务的重要信息,可能会影响到您的权利。在您做出本通知所要求的任何决定之前,我们鼓励您将本通知完整地翻译成您可理解的语言。

Lead Informational Notice

IMPORTANT INFORMATION ABOUT YOUR DRINKING WATER

Our water system will soon begin a water line maintenance and/or construction project that may affect the lead concentrations in your drinking water. Lead, a metal found in natural deposits, is harmful to human health, especially young children, and pregnant women. It can cause damage to the brain and kidneys and can interfere with the production of red blood cells that can carry oxygen to all parts of your body. The most common exposure to lead is swallowing or breathing in lead paint chips and dust. However, lead in drinking water can also be a source of lead exposure. In the past, lead was used in some water service lines and household plumbing materials. Lead in water usually occurs through corrosion of plumbing products containing lead; however, disruption (construction or maintenance) of lead service lines may also temporarily increase lead levels in the water supply. This disruption may be sometimes caused by water main maintenance/replacement.

The purpose of this notice is for informational purposes only. While it's not known for certain whether this construction project will adversely affect the lead (if present) plumbing in and outside your home, below describes some information about the project and some preventative measures you can take to help reduce the amount of lead in drinking water.

Project Start Date:	Project expected to be completed by:
Project location and description:	

What you can do to reduce lead exposure in drinking water during this construction project:

- Run your water to flush out lead. If the plumbing in your home is accessible; you may be able to inspect your own plumbing to determine whether you have a lead service line or lead solder. Otherwise, you will most likely have to hire a plumber.
 - If you do not have a lead service line, running the water for 1 2 minutes at the kitchen tap should clear the lead from your household plumbing to the kitchen tap. Once you have done this, fill a container with water and store it in the refrigerator for drinking, cooking, and preparing baby formula throughout the day.
 - If you do have a lead service line, flushing times can vary based on the length of your lead service line and the plumbing configuration in your home. The length of lead service lines varies considerably. Flushing for at least 3 5 minutes is recommended.
- Use cold water for drinking, cooking, and preparing baby formula. Do not cook with or drink water from the hot water tap; lead dissolves more easily into hot water. Do not use water from the hot water tap to make baby formula.
- Look for alternative sources or treatment of water. You may want to consider purchasing bottled water or a water filter that is certified to remove "total lead".
- Clean and remove any debris from faucet aerators on a regular basis.
- Do not boil water to remove lead. Boiling water will not reduce lead.
- Purchase lead-free faucets and plumbing components.
- Remove the entire lead service line.
- Test your water for lead. Call us at: _______to find out how to get your water tested for lead. While we do not do the testing, we can provide a list of laboratories certified to do the testing. Laboratories will send you the bottles for sample collection. Please note that we are not affiliated with any laboratory, and they will charge you a fee.
 - If test results indicate a lead level above 15 ug/L, bottled water should be used by pregnant women, breast-feeding women, young children, and formula-fed infants.

Lead Service Line Replacement Program

Flushing Procedures

This notice contains important information about your drinking water. Have someone translate it for you or speak with someone who understands it.

Dear Water Customer.

For the City of Carlinville, the health and safety of the public is our top priority. We deliver safe, clean water to our community and are taking action to ensure that continues into the future through the replacement of all lead service lines in our water system.

You are receiving this notice because part or all of the water service line to your property has been replaced. After replacement, it is very important to flush your plumbing to ensure any lead particles disturbed during construction are removed from the system before use.

The following should happen immediately after your service line replacement:

- 1. Turn off or bypass any water softener or filtration system.
- 2. Remove all aerators or screens from all faucets and clean debris with vinegar solutions if needed.
- 3. Turn on cold-water faucets on the lowest floor and leave all faucets running at the highest rate that the drain will allow. Do not use any hot water.
- 4. Turn on cold-water faucets on the next highest floor. Continue until are faucets are running. Record the order the faucets were turned on.
- 5. Leave water running for at least 15 minutes. Turn off the faucets in the order they were turned on and reattach aerators or screens to all faucets.
- 6. Continue to use your system as normal with the provided pitcher filter for 6-months and collect the required faucet sample 3-6 months after the date of replacement for analysis at a certified water quality laboratory. See separate notices for details about both.

Lead Service Line Replacement Program

Pitcher Filter Guidance

This notice contains important information about your drinking water. Have someone translate it for you or speak with someone who understands it.

Dear Water Customer.

For the City of Carlinville, the health and safety of the public is our top priority. We deliver safe, clean water to our community and are taking action to ensure that continues into the future through the replacement of service lines made of lead or lead-containing materials throughout the city. A water service line is the pipe that connects your home or business to the water distribution system.

You are receiving this notice because the water service line to your property will soon be replaced. The City of Carlinville is supplying you with (Manufactures Name of Pitcher Filter) lead removal pitcher and filter certified or tested to NSF/ANSI Standard 53 and (# of Filter Replacement Cartridges) filter replacement cartridges to be replaced (Manufacturer Specific Language on useful life of filter, e.g. "Rated for 2 Months of Usage Each Based on 2 Gallons of Water Consumption Per Day"). This will provide you a supply of replacement cartridge estimated for 6 months post service line replacement. The actual number of replacement cartridges needed per household will range based on water usage and household size.

You should begin using your pitcher and filter for all water consumption immediately after your lead service line is replaced. This measure is intended to mitigate any potential elevated lead concentrations in your drinking water following your lead service line replacement. Lead is not dangerous unless ingested and you are able to shower and bathe normally immediately after your system is properly flushed. However, you should utilize your pitcher filter for all consumptive use to minimize exposure to lead. Follow the below instructions as well as the manufacturer's instructions for proper flushing and filter cartridge removal and replacement, to ensure proper use and removal of lead.

The following should happen immediately after replacement:

- 1) Use this filter pitcher for all water that you consume for drinking, cooking, and making baby formula for 6 months following your lead service line replacement.
- 2) Each time you fill the pitcher, fill it with cold fresh tap water after allowing the water to run for at least 5 minutes.
- 3) For this 6-month period, you have been provided an initial (# of Filter Replacement Cartridges) filter replacement cartridges (Manufacturer Specific Language on useful life of filter, e.g. "Rated for 2 Months of Usage Each Based on 2 Gallons of Water Consumption Per Day").
- 4) Follow the manufacturer's instructions for filters, which have been provided with the filters. The filter provided to you is (Manufactures Name & Model). Filter cartridges should be replaced when the filter indicates such. For (Manufactures Name & Model), (Insert Statement on How Indication is Shown on the Specific Model).

Should you require additional filter replacement cartridges within 6-month period, please call (*Appropriate Contact Information*) to exchange previously used filter replacement cartridges with new filter replacement cartridges.

- 5) Clean faucet aerators/screens every 3 to 4 weeks.
- 6) Please remember to take a lead water sample in your home 3-6 months after your service line replacement using the sampling kit and instructions provided by the city or its contractor. See separate informational letter for sampling instructions.

MANUFACTURER'S INSTRUCTIONS (TO BE DETERMINED)

Lead Service Line Replacement Program

Sampling Instructions

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You are receiving this notice because some or all of the water service line to your property has been replaced as part of the Lead and Copper Rule Revisions (LCRR) (40CFR Parts 141 and 142, January 2021). Per LCRR requirements, the City of Carlinville is seeking a tap sample to be collected and analyzed at a laboratory within 3 to 6 months after the replacement of your water service. Follow the below instructions for the final step in the replacement process:

Homeowner Tap Sample Instructions:

- 1. Water must be stagnant in the pipes for 6-12 hours before sampling. Collecting samples early mornings or evenings after returning home are common times to ensure the water has been stagnant water.
- 2. Find a kitchen or bathroom faucet and remove any treatment device or filter. Place the open sample container below the faucet and gently open the cold-water tap. Fill the entire container.
- 3. Tightly cap the sample container, review the label, and fill out the top portion of the next attached page.
- 4. Place the sample kit outside the residence in the location of the kits delivery for department staff to pick up.
- 5. Results will be provided when reports are generated for the state unless excessive lead levels are found. In that case, you will be notified immediately.



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