



# Lead Service Line Replacement Plan

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0234804.01

**Village of Peoria  
Heights, Illinois**

April 2024

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## 1. INTRODUCTION

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

### 1.1 Background

The Village of Peoria Heights owns and operates a public, community water system that provides water to approximately 6,156 people. It operates under the Water System Name and Number: Peoria Heights, IL1434750. The system includes: the Water Treatment Plant, distribution system piping, five (5) wells, two (2) standpipe storage tanks, and one (1) elevated storage tank.

#### 1.1.1 Makeup of Customer Base

The current customer base consists of approximately 230 commercial metered services and 2,650 residential metered services. They have one large consumer, Peoria Golf Course, consuming approximately 25,000 gallons per day seasonally.

## 2. LEAD SERVICE LINE REPLACEMENT PLAN

### 2.1 Existing Service Line Inventory

The Village 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 private and public side of the service connection is quantified in Table 2-1 below. A high number of service lines of unknown material remain. These will be investigated via potholing and other approved methods as the Village continues the replacement of service lines. These numbers will continue to be updated as more information becomes available. Of the 2,840 service connections, the Village will be required to investigate, verify, and replace 1,841 total connections on both public and private sides for known lead, galvanized, and suspected lead services. 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	872	1,055
Plastic	141	209
Unknown, Not Lead	0	1
Cast / Ductile Iron or Transite	0	0
<b>Total Not Requiring Replacement</b>	<b>1,013</b>	<b>1,265</b>
Lead	166	205
Galvanized	109	185
Other	52	13
Unknown	1,500	1,169
<b>Total Requiring Replacement</b>	<b>1,827</b>	<b>1,575</b>

**FIGURE 2-1: CURRENT LEAD SERVICE LINE INVENTORY MAP**

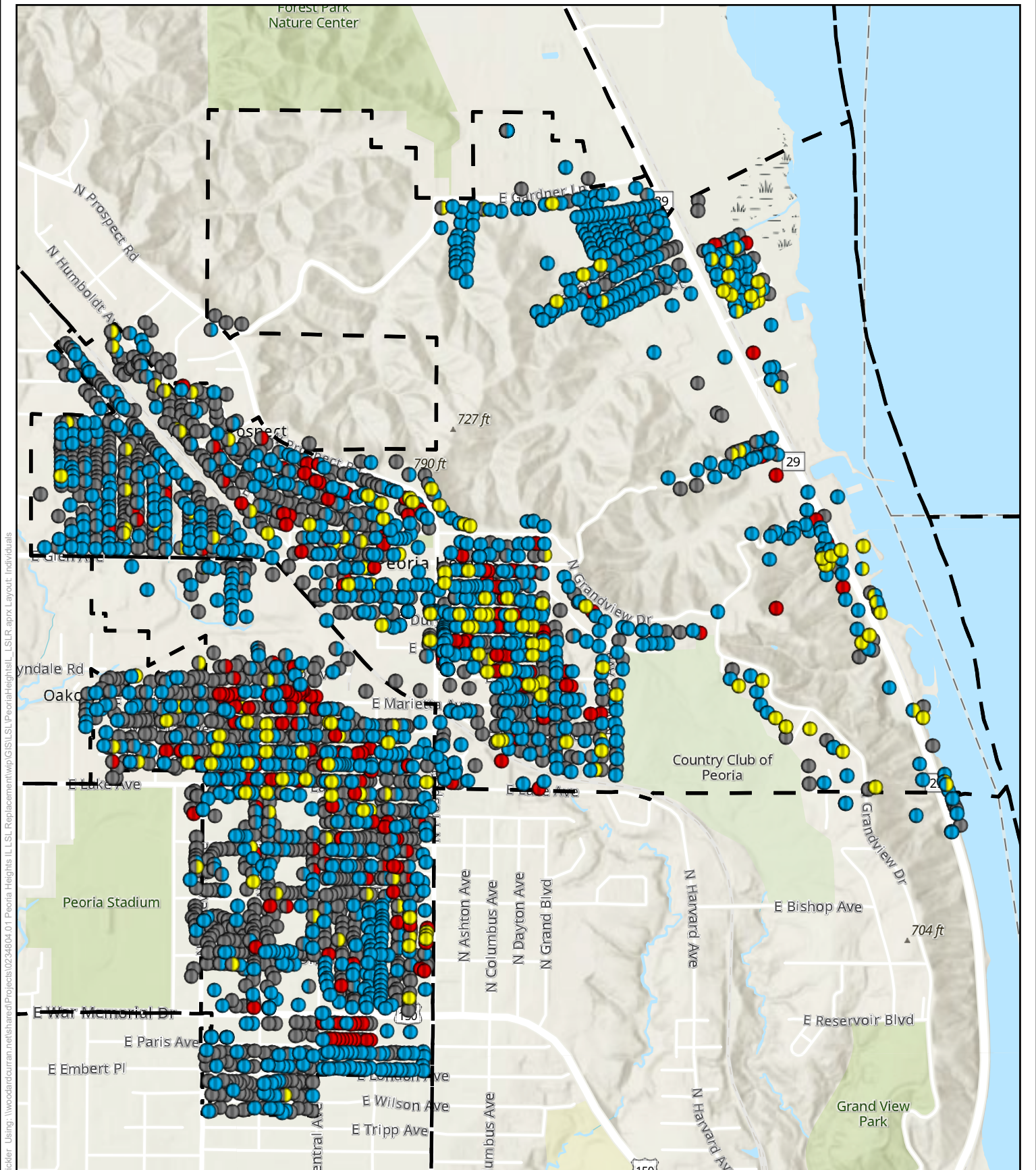


Figure Excerpted: 3/30/2024. By: KStreckler. Using: \woodardcurran\ne\shared\Projects\0234804.01\Peoria Heights IL LSI Replacement\wp\GIS\LSI\Peoria Heights IL LSI.aprx Layout: Individuals

# Lead Service Line Inventory

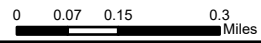
Peoria Heights, IL

## Legend

- Unknown | Unknown (1,178)
- Unknown | Lead (45)
- Unknown | Non-Lead (254)
- Unknown | Galvanized Requiring Replacement (66)
- Lead | Unknown (1)
- Lead | Lead (160)
- Lead | Non-Lead (5)
- Non-Lead | Unknown (3)
- Non-Lead | Non-Lead (1,001)
- Non-Lead | Galvanized Requiring Replacement (12)
- Galvanized Requiring Replacement | Non-Lead (3)
- Galvanized Requiring Replacement | Galvanized Requiring Replacement (106)
- Census Tracts



Project #: 0234804.01  
Map Created: March 2024



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## 2.2 Long-term Plans & Goals

Based on the current stage of the LSLI, the Village has identified a long-term plan to replace all lead and galvanized service lines within the service area. The Village has a total of 1,841 service lines requiring investigation and/or replacement. Following the guidelines in the Act, the Village will replace 6% (111 service lines) known or suspected lead or galvanized service lines per year over the next 17 years.

### 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 areas identified by the Village. These facilities will be prioritized when LSL inventory investigation and replacements begin. As part of the public outreach, the Village will ask any and all high-risk facilities, namely day care homes, to identify themselves and provide their address so that they can be added to the priority list.

The Village has identified the following as high-risk facilities. Only one facility (bolded) needs service line replacement.

- **St. Thomas Community Center**
- Aperion Care
- Peoria Christian Middle School
- St. Thomas Catholic School
- Peoria Heights Grade School
- Peoria Heights High School
- Galena Park Terrace
- Springfield Clinic
- Montessori School of Peoria
- Cadence Academy Preschool
- St. Thomas Apostle Catholic Church

### 2.2.2 One-Year Replacement Plan and Schedule

Year one of the lead service line replacement efforts is planned to begin in 2024. During this phase, the Village will prioritize all known lead or galvanized lines in the more disadvantaged of its two main census tracts as part of the Act's requirement and funding opportunities. After known lead and galvanized service lines are replaced, the Village will then focus on service lines with unknown materials in the same census tract. A map of service lines to be replaced in Phase one is included in Appendix A.

### 2.2.3 Two – Five-Year Replacement Plan and Schedule

Phases two through five of the replacement plan will continue to focus on service lines in the Village's more disadvantaged census tract. By this point, all known lead or galvanized lines in the tract will have been replaced in Phase one, so Phases two through five will focus on the service lines with no material classification. Areas with verified high concentrations of lead service lines will be prioritized during the investigation and replacement of unclassified service lines. During this time, it is possible a service line will



be investigated and not be lead or galvanized and thus not require replacement. If this happens, another service line from the next phase will be added to the current list so the Village can reach its goal of 111 service line replacements per year. A map indicating the planned regions of replacement for Phases two through six is included in Appendix B.

#### **2.2.4 Six – Ten-Year Replacement Plan and Schedule**

Phases six and seven will plan to finish the replacement of service lines in the Village's more disadvantaged census tract. Phase seven also plans to incorporate the four service lines of currently known material that lie outside the Village's two main census tracts. The lines to be replaced in Phase six are shown in Appendix B while the lines planned to be replaced in Phase seven are shown in Appendix C.

Phases eight and nine plan to focus on the known lead and galvanized service lines in the Village's second main census tract. The lines planned for replacement during Phases eight and nine are shown in Appendix D and Appendix E, respectively.

Phase 10 will start the investigation of service lines with unclassified materials in the Village's second main census tract. Similarly to Phases two through five, areas with verified high concentrations of lead service lines will be prioritized during the investigation and replacement of unclassified service lines. During this time, it is possible a service line will be investigated and not be lead or galvanized and thus not require replacement. If this happens, another service line from the next phase will be added to the current list so the Village can reach its goal of 111 service line replacements a year. Maps depicting Phases 10 through 15 of replacement can be found in Appendix B.

#### **2.2.5 11 – 15-Year Replacement Plan and Schedule**

Phases 11 through 15 will continue with the investigations and the replacement of unclassified service lines in the Village's second main census tract. Areas with high concentrations of known lead service lines will continue to be prioritized during these phases. During this time, it is possible a service line will be investigated and not be lead or galvanized and thus not require replacement. If this happens, another service line from the next phase will be added to the current list so the Village can reach its goal of 111 service line replacements a year. A map of service lines to be replaced in Phases 10 through 15 can be found in Appendix B.

#### **2.2.6 16 – 30-Year Replacement Plan and Schedule**

##### Phase 16:

Phase 16 will plan to replace the final remaining service lines. With the current inventory status, it's expected that Phase 16 will include the replacement of 79 lines. As unknown service connections are investigated, it is likely that many will be materials not requiring 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 Village's service area, potentially removing the need for Phase 16 altogether. A map of the planned service lines to be replaced in Phase 16 is included in Appendix F.

##### Phases 17-30:

Based on the replacement schedule outlined in the Act, communities with 1,200 – 5,000 service lines needing replacement should finish the work within 17 years. It is not anticipated that service line replacement work will exceed the 16-year mark for the Village, due to replacing double the required amount in Phase one.

### **2.2.7 Anticipated Lead Service Line Locations**

As discussed in the above sections, several service lines of unknown material remain on the Village's service line inventory. Investigations will be completed in unison with the replacement efforts. Service line replacements will first prioritize known lead or galvanized requiring replacement, followed by the unknown material service lines. These unknown lines will be sequenced for replacement based on the anticipated number of lead or galvanized lines in the area. This is determined by reviewing surrounding known service line materials, and the dates of construction, if known.

### **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 Village (or its Contractor) will confirm the appointment date with the Customer.

On the day of replacement, the Village 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, Village or Contractor will continue with the service line replacement.

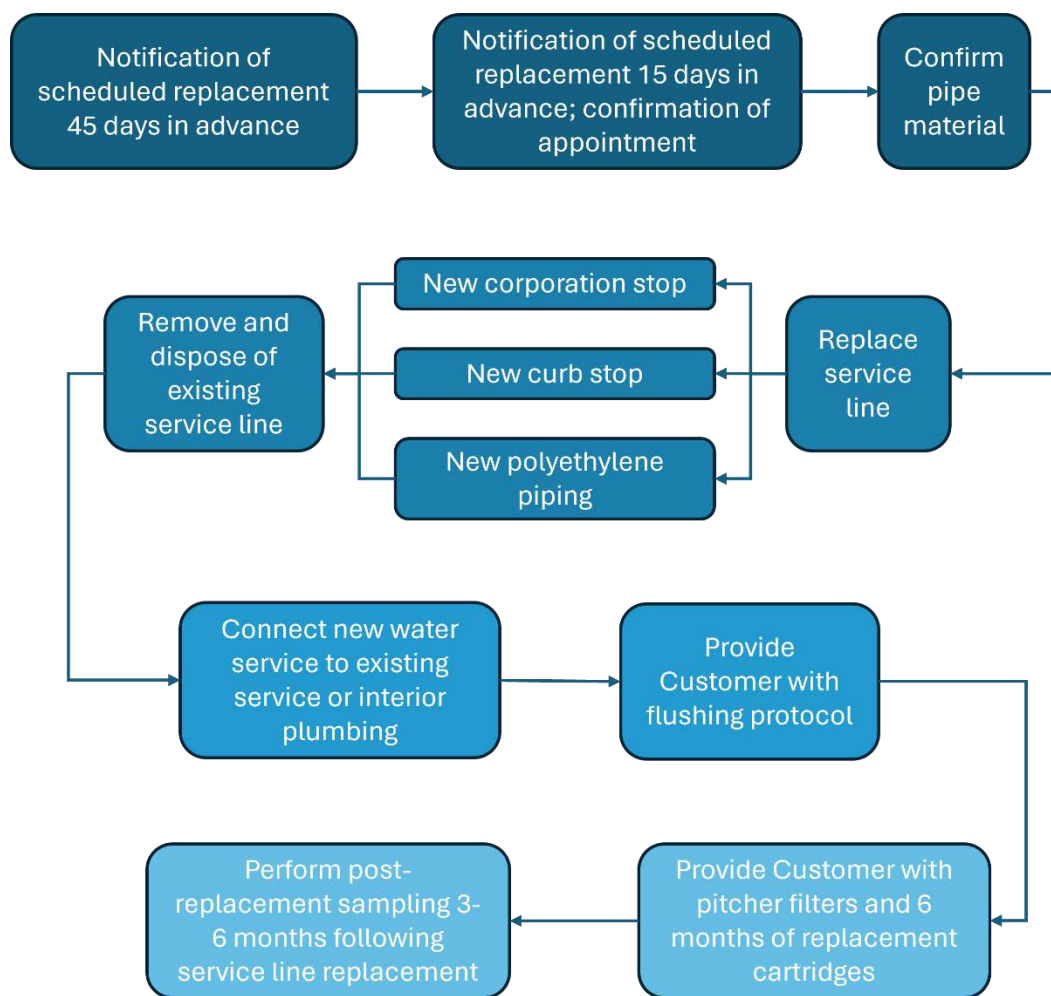
For every service replacement, a new corporation and curb stop will be installed. The existing service will be replaced with new polyethylene piping in the same location as the existing service. The existing service is to be removed and disposed of.

Village 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 Village will provide sampling at 3 to 6 months post-replacement.

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



**FIGURE 2-2: SERVICE LINE REPLACEMENT PROCEDURE**

## 2.4 Public Outreach

The Village will publish this LSLR Plan along with the LSLI on the Village’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 Village council meeting where the comments will be addressed (date still to be determined by the Village). A similar informational advertisement will be published in the Village newspaper to notify citizens where to find the LSLR and LSLI online. Additionally, in the Fall / Winter of 2023-24, 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.

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 Village 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 Village will take the following steps to make a good faith effort.

1. When economically feasible, the Village 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.
2. The Village 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 Village 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 Village will meet in good faith with interested certified businesses that have submitted bids.
5. The Village 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 Village 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 service line replacement within the Village for Fiscal Year (FY) 2025. In FY 2025, the total construction costs are anticipated to be **\$2,039,000** since the Village is planning to replace 222 lines, funding dependent. This cost estimate will be updated following bid openings to more accurately reflect the unit prices in the region.

**TABLE 3-1: FY 2025 CONSTRUCTION COST ESTIMATE (222 SERVICE LINES REPLACEMENTS)**

VILLAGE OF PEORIA HEIGHTS, IL - LSLR					
ENGINEER'S COST ESTIMATE					
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	222	\$500	EA	\$111,000
4	Inspection Pits in Paved Areas	222	\$1,000	EA	\$222,000
5	Water Service Replacement - Property Line to Building Interior (Private Side)	222	\$2,000	EA	\$444,000
6	Long Water Service Replacement - Water Main to Property Line (Public Side)	111	\$4,500	EA	\$499,500
7	Short Water Service Replacement - Water Main to Property Line (Public Side)	111	\$3,000	EA	\$333,000
8	1-inch Curb Stop and Box	220	\$600	EA	\$132,000
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	167	\$300	TON	\$50,100
12	Portland Cement Concrete Roadway Pavement, 8-inch (Replacement)	167	\$100	SY	\$16,700
13	Portland Cement Concrete Driveway Pavement, 6-inch (Replacement)	31	\$100	SY	\$3,100
14	Concrete Sidewalk Removal and Replacement	494	\$100	SY	\$49,400
15	Curb and Gutter Removal and Replacement	1110	\$50	LF	\$55,500
16	Lead Removal Pitcher Including 6 Month Supply of Replacement Filters	222	\$95	EA	\$21,090
17	Post-Replacement Water Sampling	222	\$41	EA	\$9,102
	<b>Subtotal</b>				\$1,979,000
	Contingency		3%		\$60,000
<b>TOTAL BASE BID CONSTRUCTION COST ESTIMATE</b>					<b>\$2,039,000</b>

The cost estimate shown in Table 3-2 provides the basis for all future years past FY 2025 where 111 lines are planned to be replaced. The total construction cost in 2024 dollars is \$1,037,000.

**TABLE 3-2: CONSTRUCTION COST ESTIMATE FOR REPLACEMENT OF 111 SERVICE LINES**

VILLAGE OF PEORIA HEIGHTS, IL - LSLR					
ENGINEER'S COST ESTIMATE					
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	111	\$500	EA	\$55,500
4	Inspection Pits in Paved Areas	111	\$1,000	EA	\$111,000
5	Water Service Replacement - Property Line to Building Interior (Private Side)	111	\$2,000	EA	\$222,000
6	Long Water Service Replacement - Water Main to Property Line (Public Side)	56	\$4,500	EA	\$252,000
7	Short Water Service Replacement - Water Main to Property Line (Public Side)	55	\$3,000	EA	\$165,000
8	1-inch Curb Stop and Box	109	\$600	EA	\$65,400
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	83	\$300	TON	\$24,900
12	Portland Cement Concrete Roadway Pavement, 8-inch (Replacement)	83	\$100	SY	\$8,300
13	Portland Cement Concrete Driveway Pavement, 6-inch (Replacement)	16	\$100	SY	\$1,600
14	Concrete Sidewalk Removal and Replacement	247	\$100	SY	\$24,700
15	Curb and Gutter Removal and Replacement	555	\$50	LF	\$27,750
16	Lead Removal Pitcher Including 6 Month Supply of Replacement Filters	111	\$95	EA	\$10,545
17	Post-Replacement Water Sampling	111	\$41	EA	\$4,551
	<b>Subtotal</b>				\$1,006,000
	Contingency		3%		\$31,000
<b>TOTAL BASE BID CONSTRUCTION COST ESTIMATE</b>					<b>\$1,037,000</b>

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

**TABLE 3-3: TOTAL FY 2025 PROJECT COST ESTIMATE**

<b>FY25 Total Project Cost Estimate Table (222 Service Line Replacements)</b>		
1	Design Engineering (including planning and form preparation):	\$41,000
2	Construction Engineering (including bidding):	\$102,000
3	Other Professional Services (separate legal, loan admin, etc.):	\$41,000
4	Construction:	\$1,979,000
5	Contingency (at 3% of estimated construction costs):	\$60,000
6	Total Estimated Project Costs:	\$2,039,000

Table 3-4 provides the anticipated total project cost, including design and construction engineering and other professional services for the replacement of 111 service lines as planned following Phase one, in 2024 dollars.

**TABLE 3-4: TOTAL PROJECT COST ESTIMATE FOR 111 SERVICE LINE REPLACEMENTS**

<b>Non-Escalated Total Project Cost Estimate Table</b>		
1	Design Engineering (including planning and form preparation):	\$21,000
2	Construction Engineering (including bidding):	\$52,000
3	Other Professional Services (separate legal, loan admin, etc.):	\$21,000
4	Construction:	\$1,006,000
5	Contingency (at 3% of estimated construction costs):	\$31,000
6	Total Estimated Project Costs:	\$1,131,000

A cost escalation table for the next four years is provided in Table 3-5. This shows the total project cost from Table 3-4 escalated by 3% each year.

**TABLE 3-5: FOUR-YEAR COST ESCALATION**

<b>Cost Escalation (Assumed 3% per Year)</b>	
<b>Year</b>	<b>Cost</b>
Total Estimated Project Costs (FY 2026)	\$1,165,000
Total Estimated Project Costs (FY 2027)	\$1,200,000
Total Estimated Project Costs (FY 2028)	\$1,236,000
Total Estimated Project Costs (FY 2029)	\$1,274,000

### 3.2 Customer Affordability

**TABLE 3-6: CURRENT WATER RATES**

Residential		
Water Charges	Rate*	Minimum Charge
First 6,000 gallons	\$ 14.04	\$ 84.02
Next 4,000 gallons	\$ 7.66	
Next 20,000 gallons	\$ 5.22	
Next 10,000 gallons	\$ 2.41	
Next 10,000 gallons	\$ 2.29	
Over 50,000 gallons	\$ 2.08	
*All rates are per 1,000 gallons		

Village water usage is billed monthly to businesses and quarterly to residents. The average water bill per residential customer is approximately \$131.97 per quarter (average quarterly water consumption of 10,433 gallons: minimum charge for first 6,000 gallons of \$84.02 + \$30.64 for next 4,000 gallons at \$7.66 per 1,000 gallons + \$2.31 for last 433 gallons at \$5.22 per 1,000 gallons + \$15 for infrastructure maintenance fee at \$5 per month).

Median Household Income (MHI) in Peoria Heights is \$59,286. Peoria Heights ratepayers currently pay an average of \$528.77 per year for water service. The average water charge is currently 0.89% of MHI.

### 3.3 Payment Structure Options

The cost of replacing service lines in the Village is estimated at \$2,039,000 for Phase 1 and \$1,131,000/year in 2024 dollars for the remaining phases. Replacements are expected to take place over the next seventeen (17) 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 Village can take advantage of this program, they would borrow \$25.6 million over the next 17 years. By 2040, annual debt service payments would be \$852,933/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 2,889 service connections to the water system. Based on recent census data, the population in the Village is decreasing by 0.403% per year. If this trend continues, the number of connections will decrease to 2,570 by 2053. Therefore, in 2053 the debt service cost will be \$331.88/connection (\$852,933/2,570 users). Total water costs per ratepayer would equal \$860.65 (\$528.77 current costs + \$331.88 in new debt service costs). This projected bill is 1.45% 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 \$25.6 million from 2024 to 2040. The costs per water connection run from \$705.78/user (2024) to \$673.43/user (2040). When these LSLR costs are added to the existing water bills, the average bill will increase to \$1,202.20/year by 2040. This is



2.03% of current MHI. This option has a larger impact on user bills for the next 17 years, but there is no long-term debt service. All work would be fully paid for when it is completed in 2040.

**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 the village can qualify for this program with 49% principal forgiveness, they would borrow \$13.1 million over the next 17 years. By 2040, annual debt service payments would be \$436,001/year. These payments would continue through 2053, and then steadily decrease until they end in 2068.

There are currently 2,889 service connections to the water system. This number is projected to decrease to 2,570 by 2053. Therefore, in 2053 the debt service cost will be \$169.65/connection (\$436,001/2,570 users). Total billed water per user would equal \$698.42 (\$528.77 current costs + \$169.65 in new debt service costs). This projected bill is 1.18% of MHI.

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

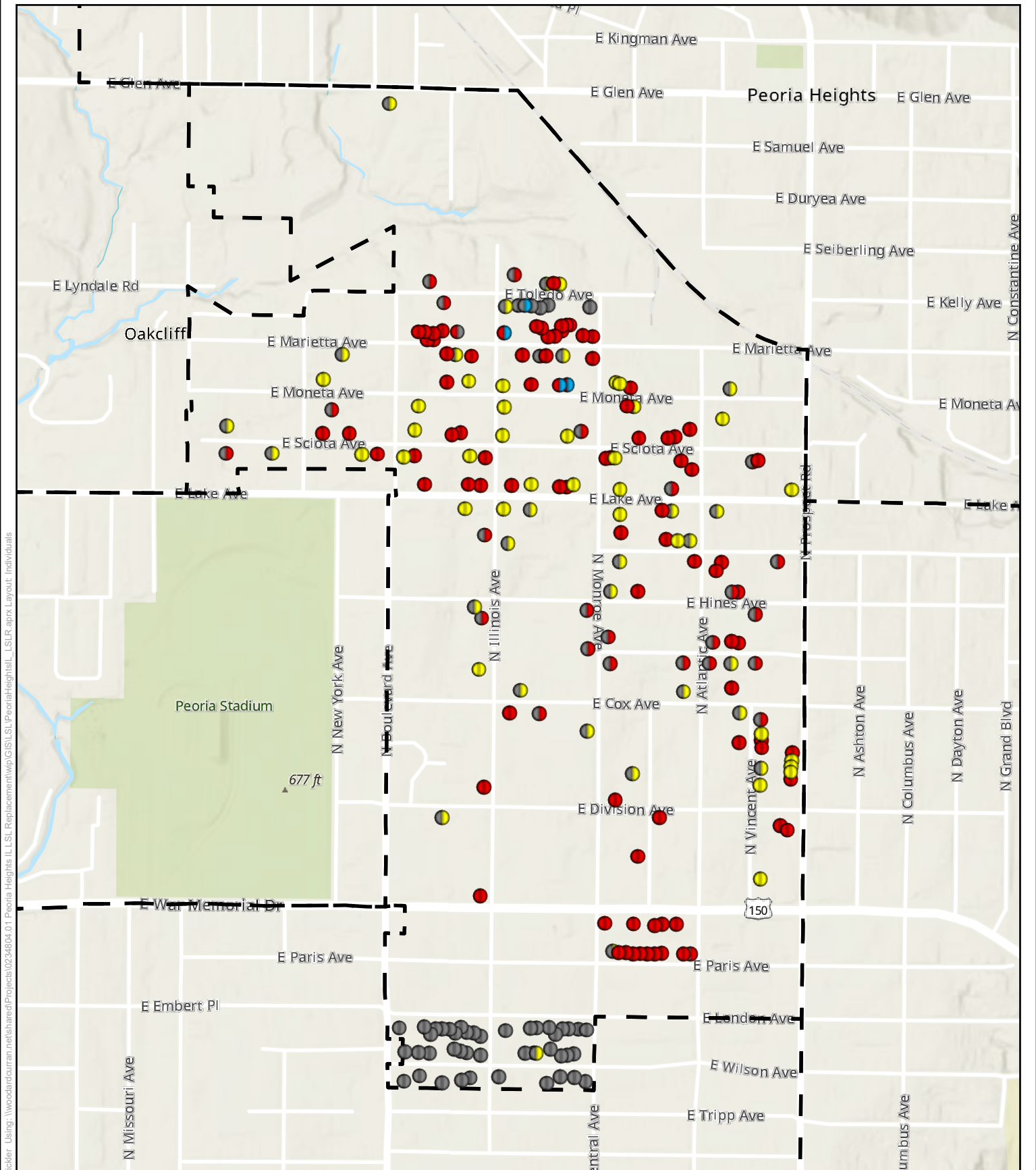


Figure Exposed: 3/30/2024. By: KStrickler. Using: \\woodandcurran.net\shared\Projects\0234804.01\Peoria Heights IL LSI Replacement\wp\GIS\LSI\PeoriaHeights\_ILSLR.aprx Layout: Individuals

# Lead Service Line Inventory

Phase 1

Peoria Heights, IL

## Legend

- Census Tracts
- Unknown | Unknown (48)
- Unknown | Lead (26)
- Unknown | Non-Lead (1)
- Unknown | Galvanized Requiring Replacement (29)
- Lead | Unknown (1)
- Lead | Lead (84)
- Lead | Non-Lead (3)
- Galvanized Requiring Replacement | Galvanized Requiring Replacement (30)



Project #: 0234804.01  
Map Created: March 2024

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**APPENDIX B: LEAD SERVICE LINE INVENTORY MAP – PHASES 2-6 AND PHASES 10-15 REPLACEMENTS**

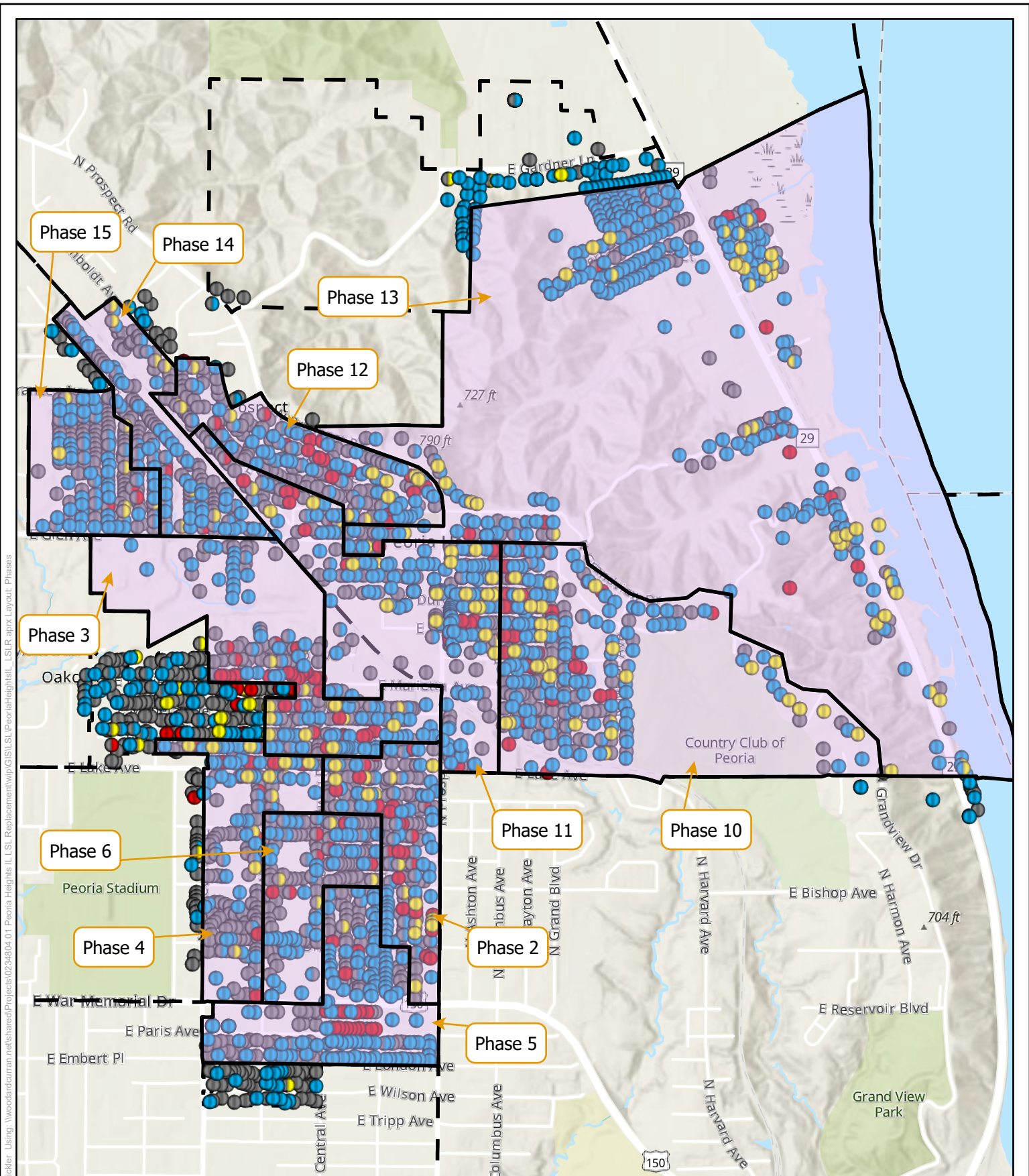
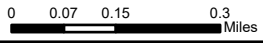


Figure Excerpted: 3/30/2024. Using: \woodardcurran\ne\shared\Projects\0234804.01\Peoria Heights IL LSL Replacement\wp\GIS\SLI\_Peoria\High\SLI\_Peoria.aprx Layout: Phases

# Lead Service Line Inventory

## Peoria Heights, IL



### Legend

- Unknown | Unknown (1,178)
- Unknown | Lead (45)
- Unknown | Non-Lead (254)
- Unknown | Galvanized Requiring Replacement (66)
- Lead | Unknown (1)
- Lead | Lead (160)
- Lead | Non-Lead (5)
- Non-Lead | Unknown (3)
- Non-Lead | Non-Lead (1,001)
- Non-Lead | Galvanized Requiring Replacement (12)
- Galvanized Requiring Replacement | Non-Lead (3)
- Galvanized Requiring Replacement | Galvanized Requiring Replacement (106)
- Census Tracts
- Phase Polygons



Project #: 0234804.01  
Map Created: March 2024

Third Party GIS Disclaimer: This map is for reference and graphical purposes only and should not be relied upon by third parties for any legal decisions. Any reliance upon the map or data contained herein shall be at the users' sole risk. **Data Sources:**

**APPENDIX C: LEAD SERVICE LINE INVENTORY MAP – PHASE 7  
REPLACEMENTS**

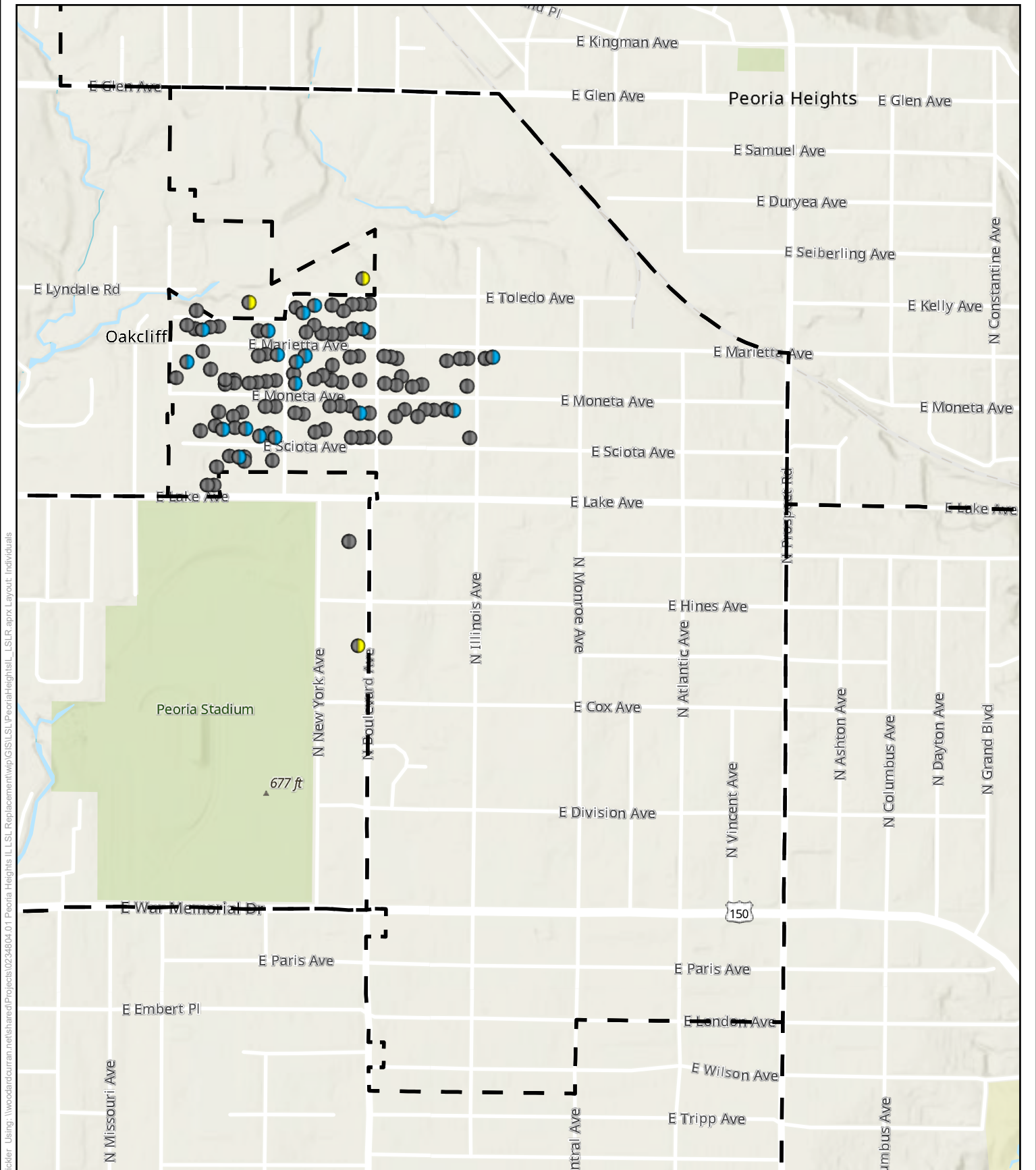
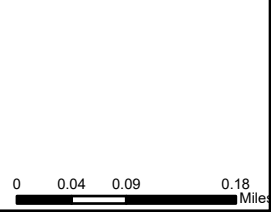


Figure Exposed: 3/30/2024. By: KStreckler. Using: \\woodardcurran.net\shared\Projects\0234804.01\Peoria Heights IL LSI Replacement\wp\GIS\LSI\PeoriaHeights\_ILSR.aprx Layout: Individuals

**Lead Service Line Inventory**  
Phase 7  
Peoria Heights, IL

- Legend**
- Census Tracts
  - Unknown | Unknown (90)
  - Unknown | Non-Lead (18)
  - Unknown | Galvanized Requiring Replacement (3)



Project #: 0234804.01  
Map Created: March 2024

Third Party GIS Disclaimer: This map is for reference and graphical purposes only and should not be relied upon by third parties for any legal decisions. Any reliance upon the map or data contained herein shall be at the users' sole risk. **Data Sources:**

**APPENDIX D: LEAD SERVICE LINE INVENTORY MAP – PHASE 8  
REPLACEMENTS**



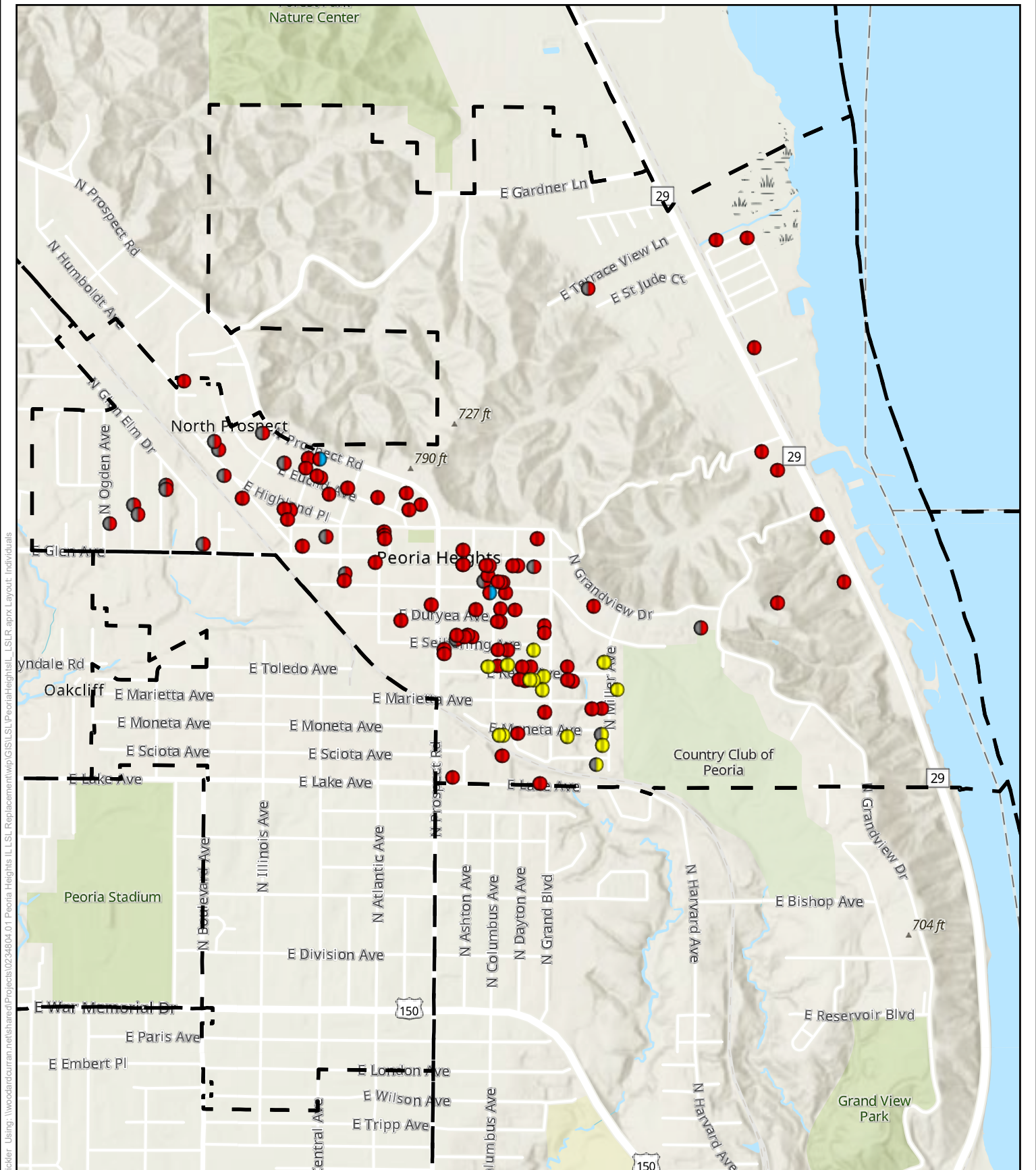


Figure Exposed: 3/30/2024. By: KStreckler. Using: \woodardcurran\ne\shared\Projects\0234804.01\Peoria Heights IL LSL Replacement\wp\GIS\SLI\PeoriaHeights\_IL\_SLR.aprx Layout: Individuals

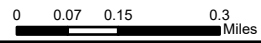
# Lead Service Line Inventory

Phase 8

Peoria Heights, IL

## Legend

- Census Tracts
- Unknown | Lead (19)
- Unknown | Galvanized Requiring Replacement (2)
- Lead | Lead (75)
- Lead | Non-Lead (2)
- Galvanized Requiring Replacement | Galvanized Requiring Replacement (13)



Project #: 0234804.01  
Map Created: March 2024

Third Party GIS Disclaimer: This map is for reference and graphical purposes only and should not be relied upon by third parties for any legal decisions. Any reliance upon the map or data contained herein shall be at the users' sole risk. **Data Sources:**

**APPENDIX E: LEAD SERVICE LINE INVENTORY MAP – PHASE 9  
REPLACEMENTS**

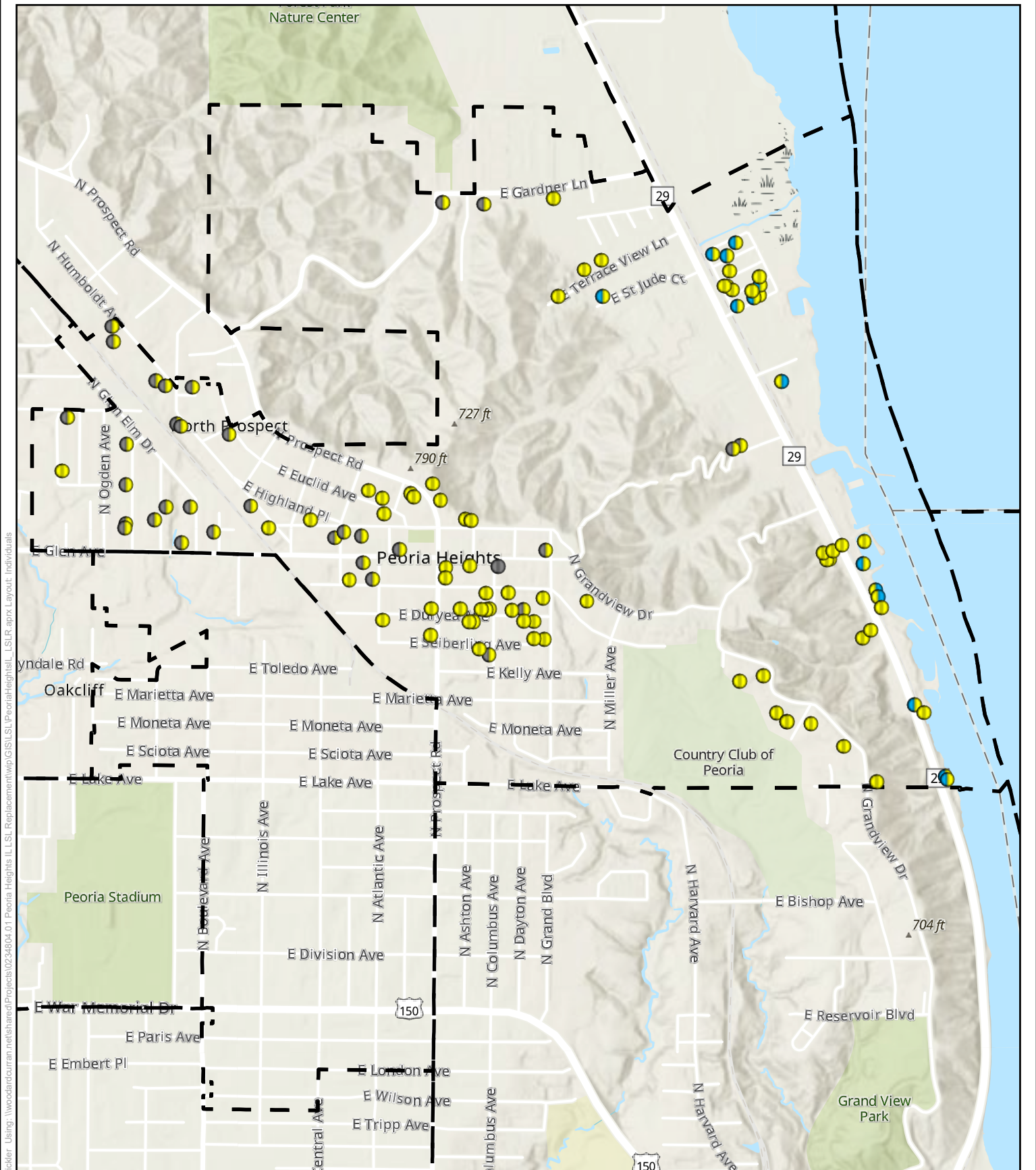


Figure Exposed: 3/30/2024. By: KStreckler. Using: \woodardcurran\en\shared\Projects\0234804.01\Peoria Heights IL LSL Replacement\wp\GIS\LSL\PeoriaHeights\_IL\_SLR.aprx Layout: Individuals

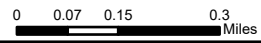
# Lead Service Line Inventory

Phase 9

Peoria Heights, IL

## Legend

- Census Tracts
- Unknown | Unknown (1)
- Unknown | Galvanized Requiring Replacement (32)
- Non-Lead | Galvanized Requiring Replacement (12)
- Galvanized Requiring Replacement | Non-Lead (3)
- Galvanized Requiring Replacement | Galvanized Requiring Replacement (63)



Project #: 0234804.01  
Map Created: March 2024

Third Party GIS Disclaimer: This map is for reference and graphical purposes only and should not be relied upon by third parties for any legal decisions. Any reliance upon the map or data contained herein shall be at the users' sole risk. **Data Sources:**

**APPENDIX F: LEAD SERVICE LINE INVENTORY MAP – PHASE 16  
REPLACEMENTS**

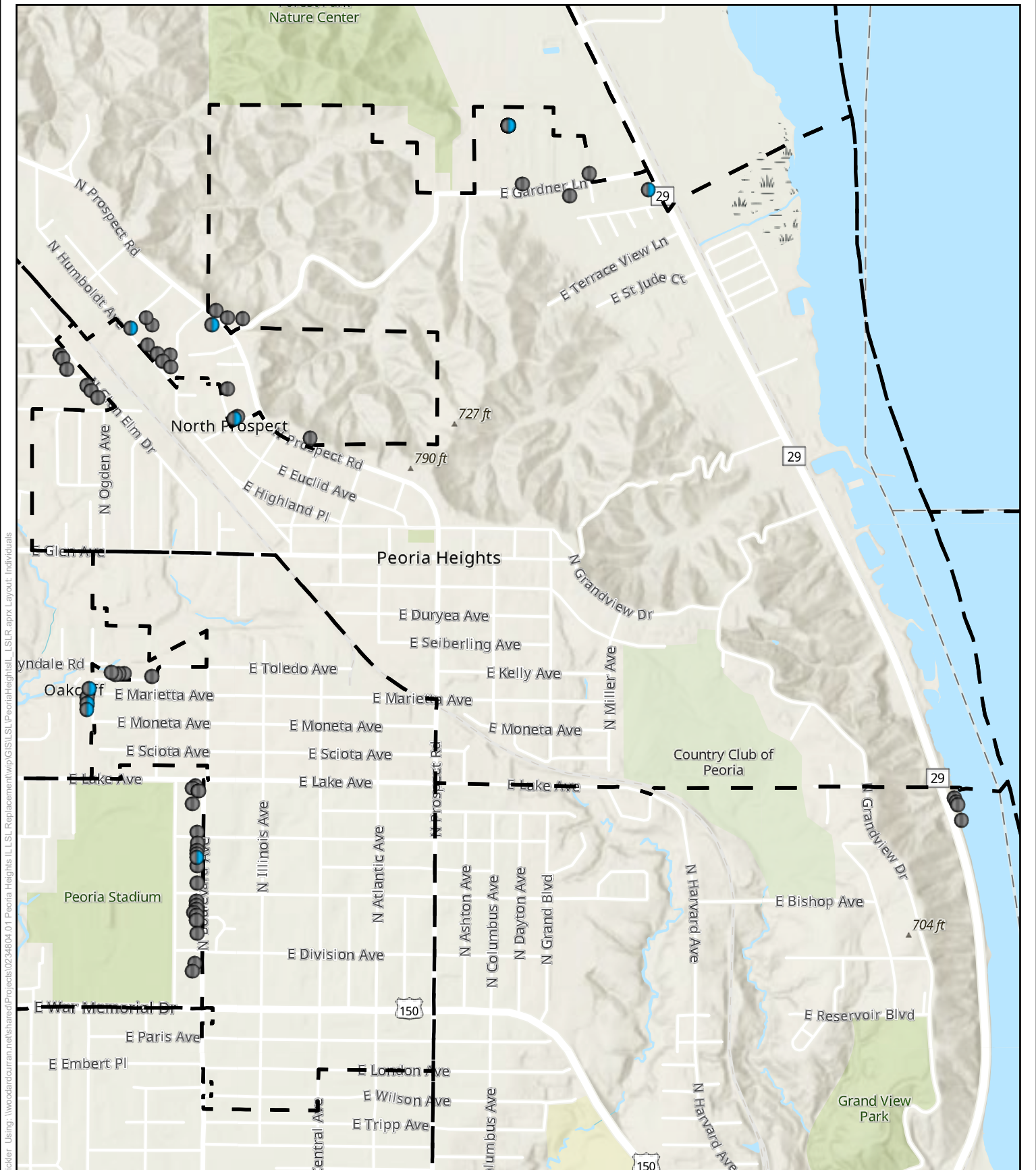


Figure Excerpt: 3/30/2024. By: KStreckler. Using: \woodardcurran\ne\shared\Projects\0234804.01\Peoria Heights IL LSL Replacement\wp\GIS\SLI\PeoriaHeights\_IL\_SLR.aprx Layout: Individuals

# Lead Service Line Inventory

Phase 16

Peoria Heights, IL

## Legend

- |  |                     |   |
|--|---------------------|---|
| Census Tracts                              | Lead   Unknown      | Non-Lead   Galvanized Requiring Replacement                         |
| Unknown   Unknown                          | Lead   Lead         | Galvanized Requiring Replacement   Non-Lead                         |
| Unknown   Lead                             | Lead   Non-Lead     | Galvanized Requiring Replacement   Galvanized Requiring Replacement |
| Unknown   Non-Lead                         | Non-Lead   Unknown  |   |
| Unknown   Galvanized Requiring Replacement | Non-Lead   Non-Lead |   |



Project #: 0234804.01  
Map Created: March 2024

Third Party GIS Disclaimer: This map is for reference and graphical purposes only and should not be relied upon by third parties for any legal decisions. Any reliance upon the map or data contained herein shall be at the users' sole risk. **Data Sources:**

**APPENDIX G: LEAD SERVICE LINE REPLACEMENT SUPPORTING DOCUMENTS**

## 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 język, który będzie dla Państwa zrozumiały.

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

اس نوٽس 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 نوٽس کا مکمل طور پر اس زبان میں ترجمہ کروائیں جو آپ سمجھتے ہوں اور ممکن ہے کہ آپ کے کوئی فیصلہ لینے سے قبل اس نوٽس 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 Village of Peoria Heights, 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 all 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 Village of Peoria Heights, 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 village. 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 Village of Peoria Heights 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**

*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 Monmouth, 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 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 Monmouth 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.



**Woodard  
& Curran**

[woodardcurran.com](http://woodardcurran.com)