



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276 • (217) 782-3397

JB PRITZKER, GOVERNOR

JOHN J. KIM, DIRECTOR

Project Summary and Preliminary Environmental Impacts Determination

Date: MAR 07 2023

Loan Applicant: Lincolnwood

IEPA Loan Project Number: L176169

To all interested persons:

Section 662.330 of the Illinois Procedures for Issuing Loans from the Public Water Supply Loan Program requires that the Illinois Environmental Protection Agency (IEPA) conduct an assessment of the environmental impacts of proposed water supply projects to be funded with loans. This review is carried out in conjunction with the Agency's review of the applicant's project plan.

Prior to final approval of the project plan, the public's comments are sought regarding environmental impacts of the proposed project. Unless new information obtained through the public comment process causes reconsideration, the Agency will approve the project plan at the close of the public comment period.

The applicant will make the attached Project Summary and Preliminary Environmental Impacts Determination (PEID) available for public inspection. Within 60 days of receiving this letter the applicant must conduct a public hearing regarding both the PEID and project planning. Advertisement of the hearing must be made at least 10 days in advance. The advertisement must include the purpose of the project along with the date, time, and location of the hearing. A comment period of at least 10 days shall be provided after the hearing in which written comments may be submitted to the loan applicant or to the IEPA contact person identified in the attached document.

For information purposes only, a copy of this document is being provided to your local newspaper of record.

Your participation in this process is appreciated.

Sincerely,

Heidi Allen
Pre-Construction Unit Manager
Infrastructure Financial Assistance Section
Bureau of Water

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Attachment

Project Summary and Preliminary Environmental Impacts Determination (PEID)

The following project summary and environmental assessment has been prepared by the IEPA to assist the loan applicant in complying with public notice requirements. Information in this report was obtained, in part, from the following: Lead Service Replacement Project, IEPA Public Water Supply Loan Program (PWSLP) Project Plan, submitted by Christopher B Burke Engineering, LTD for the Village of Lincolnwood, Cook County IL, in March 2022 and additional information received by the IEPA through October 2022.

Part I - Project Information

Project Name: Lead Service Line Replacement

Loan Applicant: Village of Lincolnwood (Village)

County: Cook

Project Numbers: L176169

Current Service Population: 12,091

Future Service Population (30 year): 15,304

Project description: The project consists of removal and replacement of approximately 651 service lines over five years within the Village. Phase one will replace 77 lead service lines (LSLs). Phase two will replace 134 LSLs. Phase three will replace 100 LSLs. Phase 4 will replace 145 LSLs. Phase five will replace 195 LSLs.

Project Location: See the attached project location maps for specific areas planned for construction.

Project Justification: The Village owns and operates a water distribution system that includes 63 miles of water main, two underground water reservoirs and one elevated storage tank. Finished water is received from the City of Evanston. The water distribution system is in good overall condition; however, the Village has identified approximately 1,846 known or suspected LSLs within the community. Service lines are small pipes that carry drinking water from the water mains into homes. Older service lines may be constructed from lead. Older household plumbing fixtures and faucets may also contain lead. Lead can enter drinking water when corrosion of pipes and/or fixtures occurs. Lead is a toxic metal that can accumulate in the body over time. The adverse health effects of lead exposure in children and adults are numerous and well documented. Eliminating lead service lines will reduce exposure to residents living in homes currently utilizing LSLs. The new service lines will be copper. The proposed projects will reduce the risk of lead exposure to the citizens of the community.

Estimated Construction Start Dates: Phase 1 January 2024, Phase 2 January 2025, Phase 3, January 2026, Phase 4 January 2027, Phase 5 January 2028

Estimated Construction Completion Dates: Phase 1 December 2024, Phase 2 December 2025, Phase 3 December 2026, Phase 4 December 2027, Phase 5, December 2028

Project Cost Estimate: Phase 1 \$784,000, Phase 2 \$1,456,000, Phase 3 \$1,008,000, Phase 4 \$1,344,000, Phase 5 \$2,352,000.

Project Cost Estimates: The total for these first five phases is \$6,944,000.

Part II – Project Affordability for Residents and Utility Customers

The Village is proposing to finance the \$6,944,000 cost of the lead service line replacement project with a loan from the IEPA Public Water Supply Loan Program (PWSLP). The current loan program base interest rate is 1.24%. The loan program rules include provisions for incentives such as reduced interest rates, partial principal forgiveness (a reduction in the amount of principal borrowed that would otherwise have to be repaid), and extended repayment periods for qualifying applicants. All loans are subject to the interest rate and incentives in effect at the time a loan agreement is issued. The Agency adjusts the interest rate annually on July 1st.

The Agency will be receiving federal funds from 2023 through 2028 that will be available for lead service line replacement. The funds available will not meet the demand for funding all lead service line replacements in Illinois. Funds will be issued in the form of a loan and some applicants may qualify for principal forgiveness, some applicants may qualify for a loan with a 0% interest rate and other applicants may qualify for a loan with the normal base interest rate in effect at the time of loan issuance.

If this project is unable to obtain any principal forgiveness and the funding is in the form of a \$6,944,000 loan with an interest rate of 1.04% (base interest rate of 1.24% minus the environmental discount of 0.2%) with a term of twenty years, the annual repayment would be approximately \$384,710.

Projects which obtain planning approval prior to March 31st each year are scored and ranked for distribution of available funds under the parameters of the PWSLP for the upcoming fiscal year. The parameters and listing of projects with funds reserved are defined within the annual Intended Use Plan which is produced prior to the beginning of the upcoming fiscal year beginning July 1st each year.

Source of Loan Repayment: The Village has a long term plan for their billing system which outlines regular rate increases on an annual basis. The project will not cause the Village to enact any other unscheduled rate increases due to the cost of this project.

Current Average Monthly Residential Cost of Service: \$64.75

Average Monthly Residential Water Use: 12,100 gallons

Number of Residential Customers or Service Connections: 4,232

How is the monthly residential rate/cost of service calculated? Water and sewer are billed together at the rate of \$8.69 per 1000 gallons of water used as well as a \$0.38 charge for debt service and a \$1.00 sewer user fee. Additionally there is a monthly meter fee of \$4.50 and a \$3.15 capital improvement fee. $(\$10.07 \times 12.1) + \$3.15 + \$4.50 = \129.50 Half of this charge is \$64.75.

Median Household Income (MHI): \$90,422

Financial Evaluation of the proposed Project: To evaluate the costs of the proposed project for the community, a percentage comparison of the MHI to the average, annual cost for water service is utilized. The MHI listed above is from the current fiscal year's census information. The annual water cost of \$777.00 is 0.86% of the MHI for Lincolnwood water users. The percentage is for comparison only and has no impact on whether a project qualifies for funding from the IEPA. The percentage comparison and MHI are two of several criteria used to determine whether a loan project qualifies for interest rate reductions or principal forgiveness.

Part III – Environmental Review and Impacts

Project Construction impacts: Temporary adverse environmental impacts such as construction-associated noise, blowing dust, air emissions, soil erosion, and minor traffic disruptions will likely occur during construction. These temporary impacts will be minimized through provisions defined in the contract documents (i.e. implementation of soil erosion controls, proper traffic control, set construction hours). The project has been reviewed by various federal and state agencies for potential environmental impacts and determined unlikely to pose significant environmental risk. From the information provided, no significant impacts are expected to rare or endangered species, historical or cultural resources, prime agricultural land, stream crossings, wetlands, floodplains, or any other sensitive areas.

The disturbance of the existing lead water service lines during the replacement process may contribute to higher levels of lead at the homeowner's interior faucets. It is recommended that the interior plumbing be thoroughly flushed before resuming domestic consumption of the water within the home. We have attached the recommended flushing guidelines that should be given to each customer.

The project has been reviewed by the Illinois Historic Preservation Division of the Illinois Department of Natural Resources (IDNR) State Historic Preservation Office (SHPO) for compliance with the National Historic Preservation Act, Section 106. SHPO indicated that based upon the information provided, no historic properties are affected.

The project was also reviewed by IDNR to determine compliance with the Illinois Endangered Species Act, Illinois Natural Areas Preservation Act, and the Illinois Wetlands Act. The initial EcoCAT review indicated protected resources and wetlands within 250 feet. A follow up letter from IDNR indicated that adverse effects are unlikely and terminated their consultation under 17 Ill. Adm. Code Part 1075 and Part 1090.

Since wetlands were indicated to be present within 250 feet of the project in the initial review, a consultation with the Army Corps of Engineers (ACOE) will be required. If the ACOE requires a permit, or mitigative measures the Village agrees to abide by these rulings.

Public comments are invited on the proposed project. For further information contact:

Fred Blanford, Project Manager
Bureau of Water, IFAS
Illinois Environmental Protection Agency
1021 North Grand Avenue East
P.O. Box 19276
Springfield, Il 62794-9276
(217) 782-2027

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Attachment B

Customer Flushing After Lead Service Line Replacement

The replacement of lead service lines may temporarily increase lead concentrations in drinking water due to the release of metal from scale on pipes in the home that have not been replaced. The lead concentration should decrease after time. The contractor has flushed the new service line to your home. It is strongly recommended that the interior plumbing also be flushed now that the new service line is installed. See the flushing procedure below that is recommended by the American Water Works Association.

Instructions for Customer Flushing of Interior Plumbing

1. Find all the faucets that will drain, including the basement and all floors in your house.
2. Remove aerators and screens whenever possible, including the shower heads, from all faucets you plan to flush.
3. Include the laundry tubs, hose-bibs, bathtubs, and showers as flushing points.
4. After all the aerators are off, open the faucets in the basement or lowest floor in the house. Leave all faucets running at highest rate possible, using cold water.
5. After the faucets are all open in lowest floor, open the faucets on next highest floor of the house. Continue until faucets are open on all floors.
6. After all faucets are opened, leave the water running for at least 30 minutes.
7. After 30 minutes, turn off the first faucet you opened and continue to turn off other faucets in the same order you turned them on.
8. Clean aerators/screens at each faucet. You may need to replace screens/aerators if too old or worn.

Water Testing Following Replacement

Approximately one month after service line replacement, collection of a sample for lead testing is recommended. The sample should be a first-draw sample after water has not been used for at least 6 hours. The sample must be collected from a tap used frequently inside the home, preferably from the kitchen. Collect the sample with the aerator on, at maximum flow, and in a wide-mouth sample bottle.

As a precaution, until the sample is collected and analyzed, the customer should do a mini-flush of premise plumbing by running tap water each morning or when the water sits in the pipe for at least 6 hours. Flush for 5 minutes to displace water that has been sitting in the pipes inside the house and in the service line. This could include taking a shower, running the dishwasher, flushing a toilet, collecting water for plants/garden, or running the faucet. The customer should do this before using any water for drinking, cooking, infant formula, and so on. Daily mini-flushes should continue for six months or until lead sample results show the lead level is below the regulatory guideline. The customer should clean debris from aerators and screens once a month for six months. After six months, clean debris twice a year.

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VILLAGE OF LINCOLNWOOD

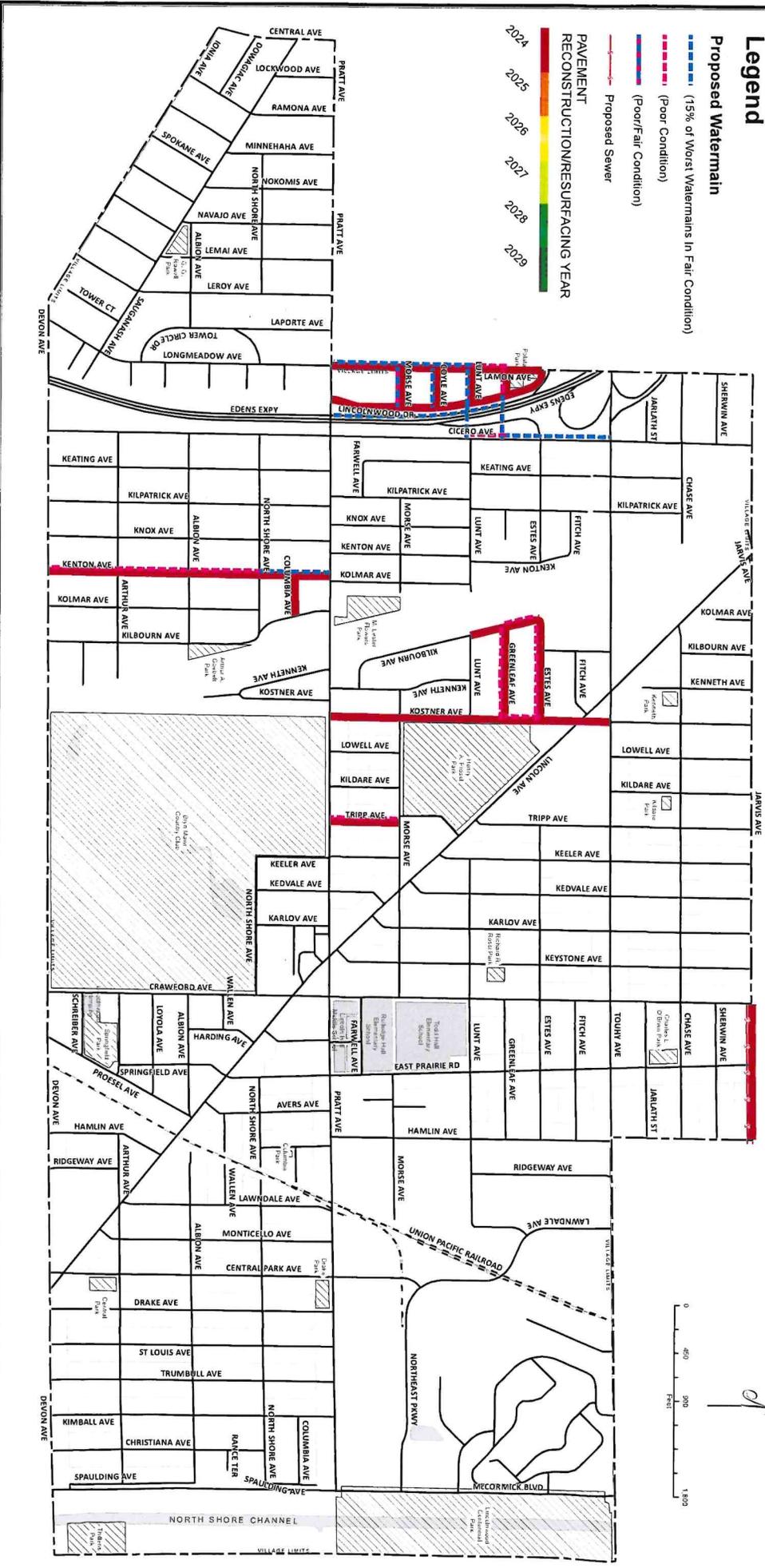
COOK COUNTY, ILLINOIS

10 YEAR INFRASTRUCTURE PLAN CY: 2024
IMPROVEMENTS



Legend

- Proposed Watermain (15% of Worst Watermains In Fair Condition)
 - (Poor Condition)
 - (Poor/Fair Condition)
 - Proposed Sewer
- PAVEMENT RECONSTRUCTION/SURFACING YEAR**
- 2024
 - 2025
 - 2026
 - 2027
 - 2028
 - 2029



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VILLAGE OF LINCOLNWOOD

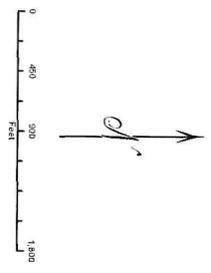
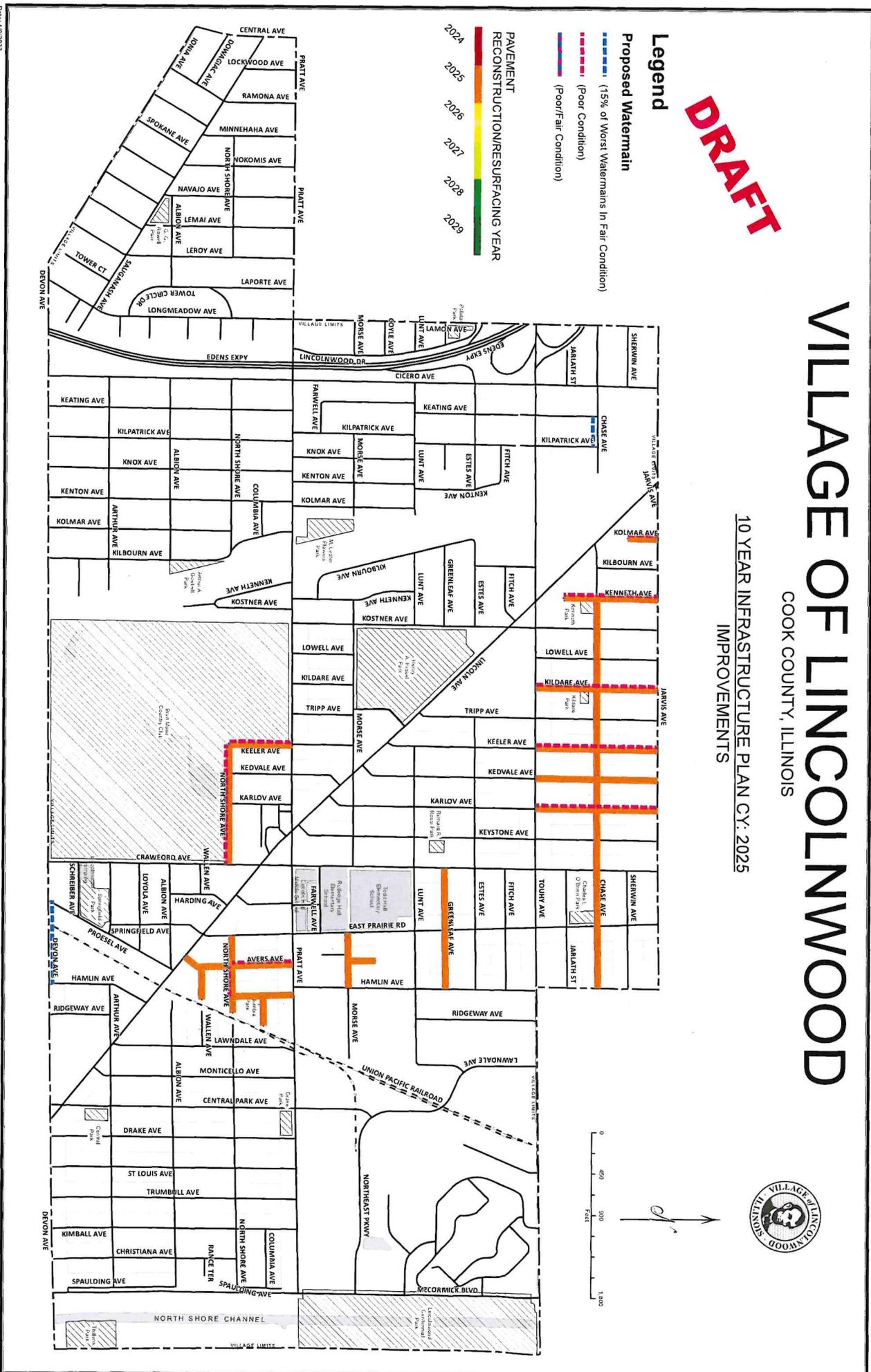
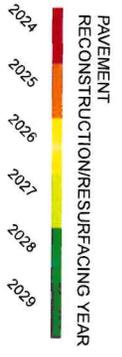
COOK COUNTY, ILLINOIS

10 YEAR INFRASTRUCTURE PLAN CY: 2025
IMPROVEMENTS



Legend

- Proposed Watermain (15% of Worst Watermains In Fair Condition)
- (Poor Condition)
- (Poor/Fair Condition)



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VILLAGE OF LINCOLNWOOD

COOK COUNTY, ILLINOIS

10 YEAR INFRASTRUCTURE PLAN CY: 2027
IMPROVEMENTS



Legend

- Proposed Watermain (15% of Worst Watermains In Fair Condition)
- (Poor Condition)
- (Poor/Fair Condition)

