



SHOREWOOD
STREETLIGHT REPLACEMENT
PROGRAM



2026 PHASE 2
STREETLIGHT
REPLACEMENT
PROJECT

Shorewood Public Works
March 5, 2026

2025 Streetlight Replacement Program

Public Information Meeting

- Agenda
 - Introductions
 - Presentation
 - Question & Answer
 - Breakout session



Streetlight Replacement Program

Our Goals

- Tonight:
 - Project Status Update
 - Enhance your understanding of the project
 - Be accessible to address your questions or concerns
- Throughout the project:
 - Manage disruption and inconvenience
 - Complete a quality project
 - Be accessible to address your concerns

Our Team

- Village of Shorewood
 - Leeann Butschlick, DPW Director
 - Dan Heyen, DPW Superintendent
 - Miguel Villarreal, Fleet & Facilities Foreman
- KL Engineering
 - Jake Joyal, Project Manager
 - Travis Brush, Construction Engineer
 - Chris Halverson, Electrical Inspector
- MP Systems
 - Rick Paddock, Project Manager
 - Adam Boyung, Project Foreman



Streetlight Replacement Program

- Shorewood's street lighting system consists of nearly 1,200 streetlights, comprised of a combination of 120/240V (commercial corridors) and 480V (residential blocks) lighting circuits.
- Streetlights are a mix of direct burial concrete light poles (residential blocks) and metal light poles mounted to concrete bases (commercial corridors).
- Circuiting uses a combination of wire in conduit and direct bury wire.
- Phase 1 was completed in November 2025. One service was added, 216 light poles and luminaires replaced.



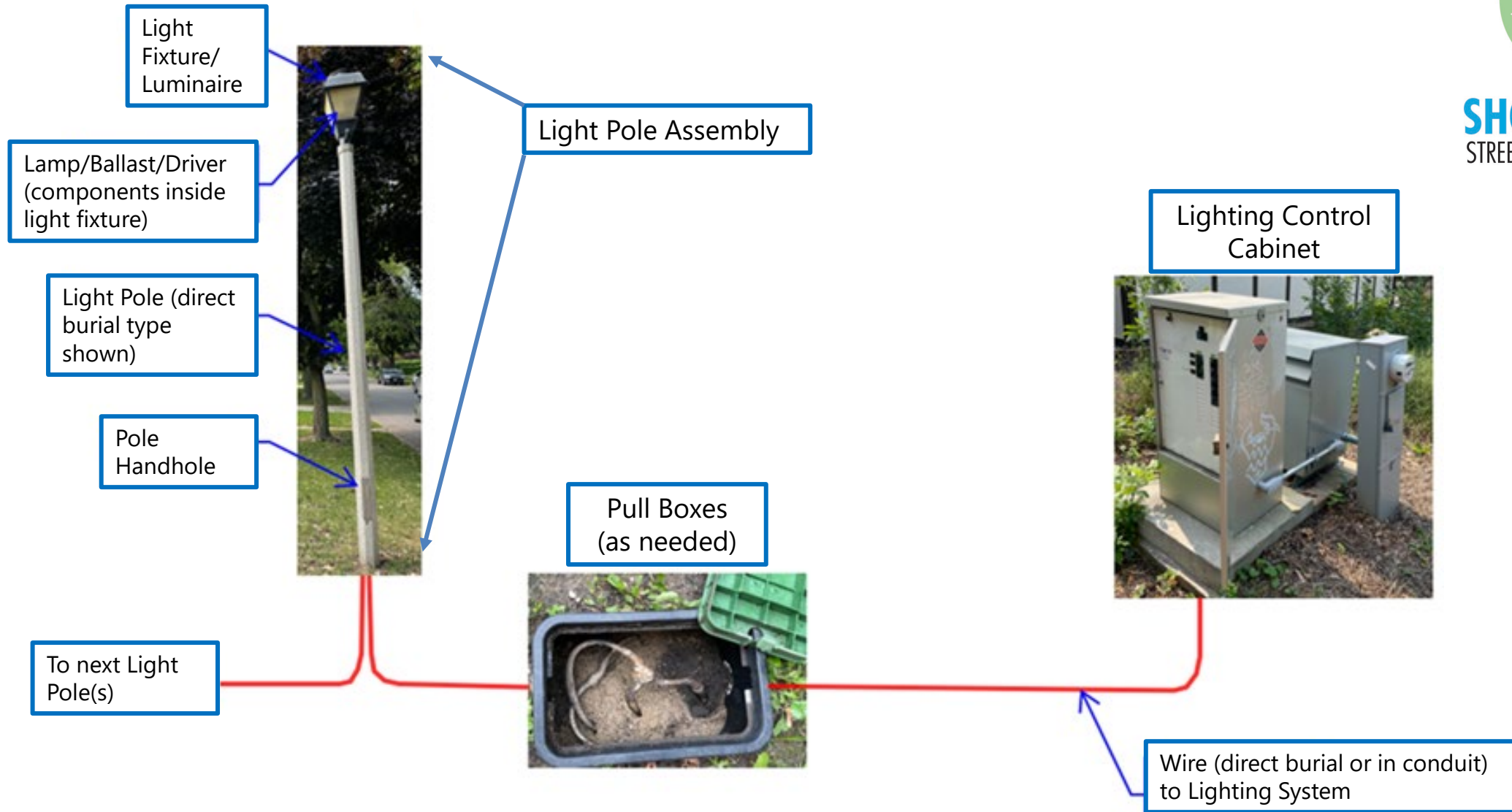
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Streetlight Replacement Program



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Streetlight Replacement Program

In June 2022, Village Board approved use of ARPA funds to complete a Streetlight System Replacement Plan.

- Replace Aging Infrastructure
 - Existing System Approximately 50-years Old in Most Areas
 - Typical Life Expectancy: 30-40 years
 - More Recent Installations on Capital Dr, Oakland Ave, Lake Dr, Phase 1 (NW).
- Correct Existing Infrastructure Code-Related Issues
 - System is ungrounded with outdated voltage configuration
 - Can lead to undetected cable faults.
 - Insufficient working space around fire station lighting controllers
 - Existing pull boxes in some areas can be opened without tools
 - Many light poles not 22 feet minimum required for existing voltage
- Convert to LED for Energy Savings



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Fire Station Lighting Controller



Existing Pull Box

Streetlight Replacement Program

- KL Engineering was selected to design a new system.
- Implementation Plan includes five phases constructed over five years (2025-2029) at a projected total construction cost of nearly \$15M.
- Phase 1 was complete for \$1,727,585
- Phase 2 has been awarded for \$1,742,957

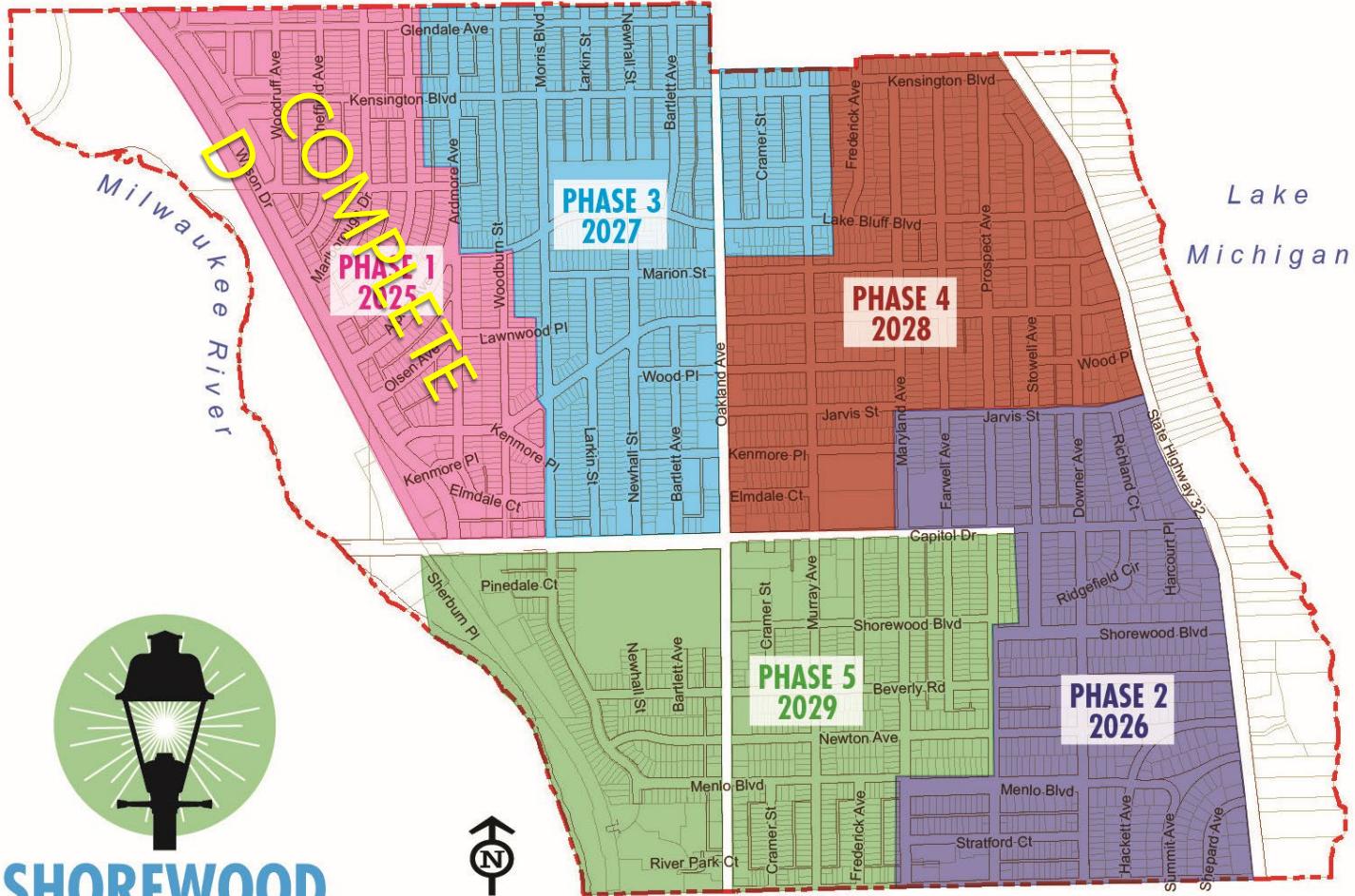


480v System Cost Per Phase			
<u>Phase</u>	<u>Lighting Units</u>	<u>Estimated Cost Per Phase</u>	<u>Final Cost Per Phase</u>
1	216	--	\$ 1,727,585.00
2	202	\$ 1,742,957.00	--
3	224	\$ 2,847,510.40	--
4	213	\$ 3,112,577.52	--
5	214	\$ 3,221,006.02	--
Total	1069	\$12,651,635.94	

Streetlight Replacement Program



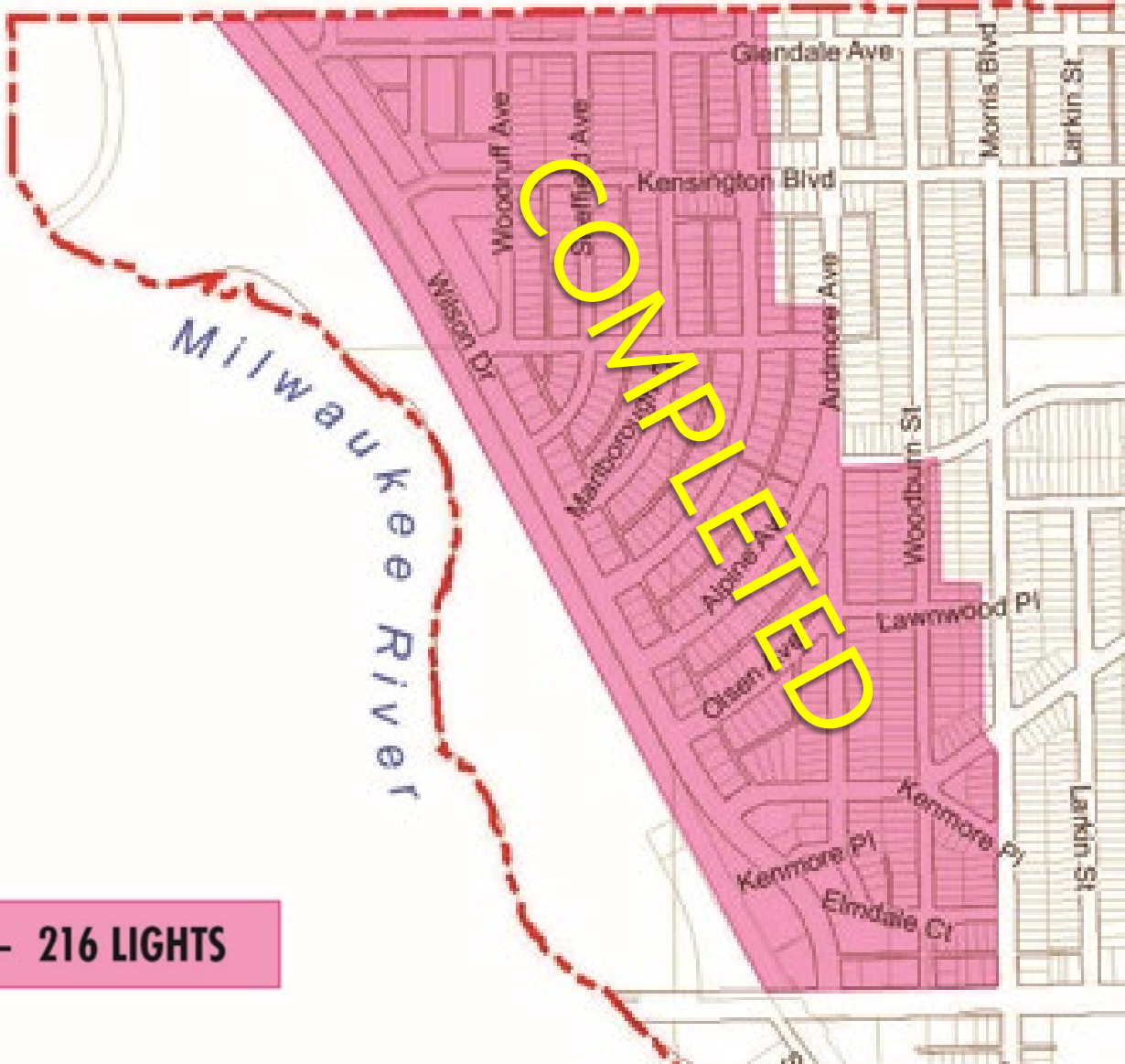
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- PHASE 1
2025
- PHASE 2
2026
- PHASE 3
2027
- PHASE 4
2028
- PHASE 5
2029

Streetlight Replacement Program

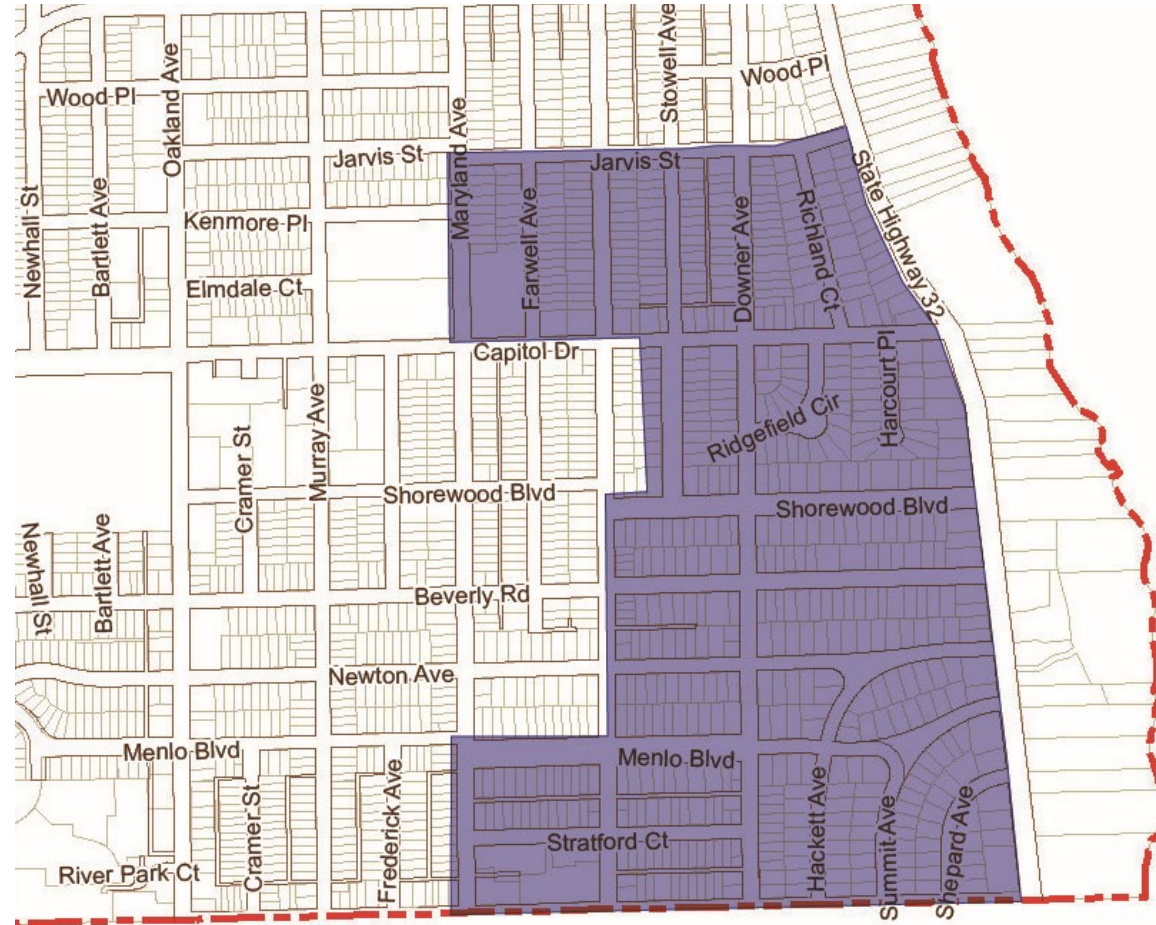


PHASE 1 – 2025 – 216 LIGHTS

Streetlight Replacement Program



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PHASE 2 – 2026 – 202 LIGHTS

Streetlight Replacement Program

What to expect – Work Schedule

- Work to begin mid-March
 - Starting in the NW corner of Phase 2
- Underground Infrastructure Installation (Conduit & Pull Boxes)
 - Project Milestone: June 13, 2026 – 50% underground completion
 - Project Milestone: August 28, 2026 – 100% underground completion
- Above-ground Infrastructure Installation (Lighting Units)
 - May – October
- Substantial Completion
 - October 2, 2026
- Final Completion
 - October 30, 2026



Streetlight Replacement Program

What to expect – Work Progress



- Work will span entire blocks.
- Work will predominantly be performed in the parkway (between the sidewalk and curb) or within the Village right-of-way:
 - The majority of the disruption will be excavation in grassy area.
 - Driveway approaches may be impacted on rare occasion; residents will receive direct notification in these instances.
 - Some utility daylighting at roadway crossings.

Streetlight Replacement Program

What to expect – Outages



- New infrastructure will be installed with minimal disruption to existing street lighting.
- When necessary, streetlight outages are restricted by contract as follows:
 - Notification of outage must be received 2 working days prior
 - 2 adjacent blocks at a time.
 - 3 consecutive nights.

Streetlight Replacement Program

What to expect – Restoration

- Excavated or disturbed areas will be covered and made safe until restoration.
- Parkway turf restoration:
- Sidewalk & driveway approaches:
 - Cores will be temporarily plugged.
 - Restoration will include replacement of entire panel.



Streetlight Replacement Program

Project Communication

- Sign up for weekly email updates
www.villageofshorewood.org/notifyme
- Project web page
www.villageofshorewood.org/streetlights

