

VILLAGE OF ROSCOE

AGENDA ITEM - STAFF REPORT



Agenda Item: Approval of a Mosquito Management Agreement with Clarke Environmental Mosquito Management, Inc. (2026–2028)

Date: March 7, 2026 / rev. 04/02/2026

Meeting: Village Board – April 7, 2026

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Department: Administration

Overview/Background Information

The Village of Roscoe has historically contracted with Clarke Environmental Mosquito Management, Inc. (“Clarke”) to provide professional mosquito control services within the Village. The most recent agreement covered the 2023–2025 mosquito seasons and residents have generally expressed satisfaction with the services provided under that contract.

The agreement before the Board would renew the Village’s mosquito management program for the **2026 through 2028 seasons**.

Mosquito management programs such as this are commonly implemented by municipalities throughout northern Illinois as a public health measure. In addition to reducing nuisance mosquito populations, the program helps monitor and reduce the risk of mosquito-borne illnesses such as **West Nile Virus**, which continues to be present throughout Illinois each year.

Mosquitoes are not only a nuisance but can also carry diseases that pose risks to residents. Recent surveillance data indicates that **West Nile virus remains active throughout Illinois**, with **142 confirmed human cases and seven deaths reported in the state during 2025**.

Because mosquito populations and disease risk are closely tied to weather conditions, population levels can fluctuate significantly year to year. Monitoring and targeted treatment programs help communities manage these risks and respond quickly when mosquito populations increase.

Key Issues

Clarke provides an **Integrated Mosquito Management Program**, which focuses on surveillance, targeted larval control, and limited adult mosquito treatments when necessary.

Monitoring and Surveillance

- Mosquito population monitoring using a network of traps
- Weather monitoring and mosquito migration prediction
- Identification of mosquito species and potential disease vectors
- Monthly operational reports and an annual program report

Larval Control

- Treatment of catch basins and standing water areas where mosquitoes breed
- Use of slow-release biological larvicides designed to control mosquitoes before they emerge

Adult Mosquito Control

- Up to **three truck-mounted ultra-low-volume (ULV) treatments** if mosquito populations reach nuisance or public health thresholds

Public Service and Reporting

- A citizen mosquito hotline for resident concerns
- Geographic information system (GIS) mapping and recordkeeping
- Compliance with all local, state, and federal regulations

This integrated approach focuses first on **preventing mosquito breeding**, allowing treatments to be targeted only when needed rather than applying pesticides on a fixed schedule.

Safety and Environmental Considerations

The mosquito management program uses products that are registered and regulated by the U.S. Environmental Protection Agency and other regulatory agencies. Treatments are applied in very small quantities and are designed to target mosquitoes while minimizing impacts to other wildlife and the environment.

Additionally, the program relies heavily on surveillance data to guide treatment decisions, ensuring that control measures are applied only when mosquito populations reach thresholds that warrant action. This targeted approach reduces unnecessary pesticide use while maintaining protection for residents.

Fiscal Note/Budget Impact

Clarke has proposed renewing the Village's mosquito control program for the 2026–2028 mosquito seasons.

- **2026 program cost:** \$24,424
- **Payment schedule:** Two payments (May 1 and July 1)
- **2027–2028 cost adjustments:** Limited to increases not exceeding the **Consumer Price Index (CPI)**
- Additional treatments beyond the core program would only occur if necessary and would be billed separately.

Clarke has also indicated that the **2026 program cost will remain at the same level as the 2025 season**, helping the Village maintain program continuity without an increase for the upcoming year.

Action Required/Recommendation

The Village has had a long-standing working relationship with Clarke Environmental and has been satisfied with the quality of services provided. The proposed agreement allows the Village to continue its mosquito management program using a proven approach focused on **public health protection, targeted treatment, and environmental responsibility**.

Staff recommends that the Village Board approve the resolution authorizing the Village President to enter into the **2026–2028 mosquito management agreement with Clarke Environmental Mosquito Management, Inc.**

Attachments

Village of Roscoe - 2026 Mosquito Control Agreement
Village of Roscoe Renewal Letter 2026-2028
Clarke Environmental Mosquito Management, Inc - Village of Roscoe Annual Report 2025
Resolution – Approving Agreement with Clarke Environmental