



### AGENDA ITEM EXECUTIVE SUMMARY

Agenda Item:	Authorization to Accept a Proposal to Conduct Mosquito Abatement, Clarke Environmental Mosquito Management, Inc.		
Presenter & Title:	Richard Babica, Director of Public Works		
Date:	April 14, 2020		
<b>Please Check Appropriate Box:</b>			
	Committee of the Whole Meeting		Special Committee of the Whole Meeting
X	City Council Meeting		Special City Council Meeting
	Public Hearing		Other -
Associated Strategic Plan Goal/Objective: QL-1			
Estimated Cost: \$50,538.00		Budgeted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Other Funding? <input type="checkbox"/> Yes <input type="checkbox"/> No
If "Other Funding," please explain how the item will be funded:			
<b>Executive Summary:</b>			
<p>The FY21 Annual Budget provides \$60,000 within the General Fund to conduct Mosquito Abatement. The attached proposal from Clarke is an optional extension of the service contract approved at the July 6, 2015 City Council Meeting. Clarke Environmental has been providing Mosquito Abatement services for the City since 2014 and staff is confident in their ability and recommends the City exercise the contract extension option. Services included; Public Education/Outreach, monitoring, larval control and adulticide applications as warranted.</p>			
<b>Attachments:</b> <i>(please list)</i>			
<ul style="list-style-type: none"> <li>• Resolution</li> <li>• Clarke Environmental Mosquito Management, Inc. Proposal dated April 6, 2020</li> </ul>			
<b>Voting Requirements:</b>			
<p><i>This motion requires 7 affirmative votes for passage.</i></p> <p><i>The Mayor may vote on three occasions: (a) when the vote of the aldermen or trustees has resulted in a tie; (b) when one half of the aldermen or trustees elected have voted in favor of an ordinance, resolution, or motion even though there is no tie votes; or (c) when a vote greater than a majority of the corporate authorities is required by state statute or local ordinance to adopt an ordinance, resolution, or motion.</i></p>			
<b>Recommendation / Suggested Action:</b> <i>(how item should be listed on agenda)</i>			
<p>Recommend approval of Resolution authorizing the City Administrator to accept proposal from Clarke Environmental Mosquito Management, Inc., of St. Charles, Illinois to conduct the 2020-2021 Mosquito Abatement Program in the amount not to exceed \$50,538.00.</p>			

**RESOLUTION NO. 2020-28**

**RESOLUTION AUTHORIZING ACCEPTANCE OF  
A PROPOSAL TO CONDUCT MOSQUITO ABATEMENT FOR  
FY 2020-2021**

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**BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF GENEVA, KANE COUNTY, ILLINOIS**, as follows:

**SECTION 1:** That the City Administrator is hereby authorized to accept, on behalf of the City of Geneva, a Proposal to complete the 2020 - 2021 Mosquito Abatement Program for the City of Geneva, in the form attached hereto at Exhibit "A."

**SECTION 2:** This Resolution shall become effective from and after its passage as in accordance with law.

**PASSED** by the City Council of the City of Geneva, Kane County, Illinois, this \_\_\_\_ day of \_\_\_\_\_, 2020

**AYES:** \_\_ **NAYS:** \_\_ **ABSENT:** \_\_ **ABSTAINING:** \_\_ **HOLDING OFFICE:** \_\_

Approved by me this \_\_\_\_ day of \_\_\_\_\_, 2020.

\_\_\_\_\_  
Mayor

ATTEST:

\_\_\_\_\_  
City Clerk

**Part I. General Service**

- A. Aerial Survey and Geographic Information System (GIS) Mapping
- B. Computer System and Record Keeping Database
- C. Public Relations and Educational Brochures
- D. Mosquito Hotline Citizen Response – citizens may report nuisance mosquitos at [www.clarkeportal.com/hotline](http://www.clarkeportal.com/hotline) or 800-942-2555
- E. Comprehensive Insurance Coverage naming the City of Geneva additionally insured
- F. Program Consulting and Quality Control Staff
- G. Monthly Operational Reports, Periodic Advisories, and Annual Report
- H. Regulatory compliance on local, state, and federal levels

**Part II. Surveillance and Monitoring**

- A. Floodwater Mosquito Migration Model:  
The use of weather data and computer model to predict the arrival of *Aedes vexans* brood (hatch) and peak annoyance periods. (Clarke will contact the City of Geneva representative and inform him of the impending brood arrival.)
- B. Survey & Mapping
  - 1. Program provides for larval site survey map of potential mosquito breeding areas for the community.
- C. Arbovirus Surveillance:
  - 1. Gravid Trap: Operation of one (1) traps to collect *Culex* mosquitoes. Mosquitoes will be collected, identified to species, and pooled for disease assay. Samples will be tested at Clarke laboratories utilizing RAMP technology for West Nile Virus.
  - 2. Clarke New Jersey Light Trap Network: Operation of four (4) traps within the City of Geneva to monitor and evaluate adult mosquito activity.
  - 3. Clarke New Jersey Light Trap Network to monitor and evaluate adult mosquito activity.
- D. Weather Monitoring – Operational Forecasts

**Part III. Larval Control**

- A. Targeted Mosquito Management System (TMMS™) computer database and site management.
- B. Larval Site Monitoring:
  - 1. One (1) complete inspections of all sites as outlined by most recent Clarke GIS Survey.
  - 2. Three (3) targeted inspections of all breeding areas as determined by the Clarke Targeted Mosquito Management System™.
  - 3. Inspections of sites called in by residents on the Mosquito Hotline.
- C. Prescription Larval Control treatments will be performed with *Bacillus sphaericus*, *Bacillus thuringiensis israelensis* - Bti, methoprene, temephos, and/or Natular® (Spinosad) mosquito larvicide as described in the following sections.
  - 1. Helicopter Larval Control: Treatments using a single brood product of all acres for floodwater mosquito control.
  - 2. Catch Basins: One treatment of all catch basins, inlets and manholes using an extended residual slow release insecticide for up to 150 day control.

**Part IV. Adult Control** will be performed with Duet, Biomist, or other pyrethroid mosquito adulticide as described in the following sections.

- A. Adulticiding in mosquito harborage areas:
  - 1. Four (4) scheduled truck Ultra Low Volume (ULV) treatments using a pyrethroid insecticide for any community special events. (Swedish Days)
- B. Adulticiding in Residential Areas:
  - 1. Four (4) community-wide truck ULV treatments of all streets using Duet, Biomist®, or other pyrethroid insecticide.
- C. Adulticiding Operational Procedures
  - 1. Notification of community contact.
  - 2. Weather limit monitoring and compliance.
  - 3. Notification of residents on Clarke Call Notification List.
  - 4. ULV particle size evaluation.
  - 5. Insecticide dosage and quality control analysis.

**Total 2020 Estimated Price \*\*****\$50,538.00**

**Agreement Payment Plan:**

For Parts I, II, III and IV as specified in the 2020 Service Agreement, the total for 2020 program is \$51,034.00. Any additional treatments beyond the core program will be invoiced when the treatment is completed. City of Geneva has the option to extend this program for 2021 and 2022 at rates not to exceed a 5% annual increase.

PAYMENT PLAN	
Month	2020
June 1	\$25,269.00
July 1	\$25,269.00
<b>TOTAL</b>	<b>\$50,538.00</b>

**Approved Contract Period and Agreement:**

Please check one of the following contract periods:

- 2020 Season
- 2020 thru 2022 Season

(New areas to be covered in 2021 - 2022 will be pro-rated to the program price at the rates in effect at the time.)

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**\*\*NPDES Permit:** A National Pollutant Discharge Elimination System (NPDES) permit is necessary for the execution of the work for mosquito control effective October 31, 2011. Any additional costs associated with activities and/or services that may be required by Clarke in order to comply with an NPDES permit are not included in this proposal.

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**For City of Geneva:**

Sign Name: \_\_\_\_\_ Title: \_\_\_\_\_ Date: \_\_\_\_\_

**For Clarke Environmental Mosquito Management Inc.:**

Name: Jack Thennisch Title: Control Consultant Date: 4/6/20  
 Jack Thennisch

**Administrative Information (Please complete the information below to update your files):**

**Invoice Address:**

Name: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip \_\_\_\_\_

Office Phone: \_\_\_\_\_ Fax: \_\_\_\_\_ P.O. # \_\_\_\_\_

E-Mail Address for Invoices: \_\_\_\_\_ County: \_\_\_\_\_

**\*\*In an effort to be sustainable, please provide an email address where invoices will be sent.**

**Treatment Address (if different from above):**

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip \_\_\_\_\_

County: \_\_\_\_\_

**Contact Details:**

Name: \_\_\_\_\_ Title: \_\_\_\_\_

Office Phone: \_\_\_\_\_ Fax: \_\_\_\_\_ E-Mail: \_\_\_\_\_

Home Phone: \_\_\_\_\_ Cell: \_\_\_\_\_ Pager: \_\_\_\_\_

**Alternate Contact Details:**

Name: \_\_\_\_\_ Title: \_\_\_\_\_

Office Phone: \_\_\_\_\_ Fax: \_\_\_\_\_ E-Mail: \_\_\_\_\_

Home Phone: \_\_\_\_\_ Cell: \_\_\_\_\_ Pager: \_\_\_\_\_

**Please sign and return a copy of the complete contract for our files to:**

Clarke Environmental Mosquito Management, Inc., Attn: Jack Thennisch  
675 Sidwell Ct. St Charles, IL 60174 or Fax at (630) 443-3070