



### 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:	May 17, 2017		
<b><i>Please Check Appropriate Box:</i></b>			
<input checked="" type="checkbox"/>	Committee of the Whole Meeting	<input type="checkbox"/>	Special Committee of the Whole Meeting
<input checked="" type="checkbox"/>	City Council Meeting	<input type="checkbox"/>	Special City Council Meeting
<input type="checkbox"/>	Public Hearing	<input type="checkbox"/>	Other -
Associated Strategic Plan Goal/Objective: Vision 5, Letter L Maintain high quality public services that serve and protect our residents and businesses.			
Estimated Cost: \$47,348.00		Budgeted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Other Funding? <input type="checkbox"/> Yes <input type="checkbox"/> No
<i>If "Other Funding," please explain how the item will be funded:</i>			
<b>Executive Summary:</b>			
The FY 2017-18 Annual Budget provides \$60,000 within the General Fund Streets and Walks Account 100.90.91.15.587 to conduct Mosquito Abatement within the City. The attached proposal from Clarke is an optional third year of the service contract approved at the July 6, 2015 City Council Meeting. This option provides for an increase of \$946 from the 2016-17 Service Contract. Clarke Environmental has been providing Mosquito Abatement services for the City in 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.			
<b>Attachments:</b> <i>(please list)</i>			
<ul style="list-style-type: none"> <li>• Clarke Environmental Mosquito Management, Inc. Proposal dated March 31, 2017</li> <li>• Resolution 2017-XX</li> </ul>			
<b>Recommendation / Suggested Action:</b> <i>(how item should be listed on agenda)</i>			
Respectfully recommend that the City Council authorize the City Administrator to execute the proposal from Clarke Environmental Mosquito Management, Inc., of St. Charles, Illinois to conduct the 2017-2018 Mosquito Abatement Program in the amount not to exceed \$47,348.00			



675 Sidwell Court  
St. Charles, IL 60174  
630.894.2000 P  
800.323.5727  
630.443.3070 F  
www.clarke.com

March 31, 2017

Rich Babica  
City of Geneva  
1800 South Street  
Geneva, IL 60134-2547

Dear Mr. Babica:

As discussed, Clarke Environmental Mosquito Management, Inc., ("Clarke"), hereby proposes to continue to provide professional mosquito control services to the City of Geneva during 2017 in accordance with the terms of the contract in effect for 2014. Please see attached outline.

As your committed partner in mosquito control we thank you for the opportunity to continue to provide services to the City of Geneva.

Sincerely,

Jack Thennisch  
Control Consultant

**Accepted for the City of Geneva:**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

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

Please sign and return the original for our records.



**Clarke Environmental Mosquito Management, Inc.,  
Professional Services Outline for 2017  
City of Geneva  
Environmental Mosquito Management (EMM) Program**

**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 – (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) trap to collect *Culex* mosquitoes. Mosquitoes will be collected, identified to species, and pooled for disease assay. Samples will be tested at Clarke laboratories utilizing VecTest® 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 inspection of all sites as outlined by most recent Clarke GIS Survey.
  2. Three (3) targeted inspections of all breeding areas as determined by the computerized Clarke Targeted Mosquito Management System™.
  3. Inspections of sites called in by residents on the Mosquito Hotline.
- C. Prescription Larval Control will be performed with VectoLex® (*Bacillus sphaericus*), VectoBac® (*Bacillus thuringiensis israelensis* - Bti), Abate®, Natular®, and/or Altosid® mosquito larvicide as described in the following sections.
1. Helicopter Larval Control: Treatments using a single brood product 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 180 day control.

#### **Part IV. Adult Control**

- A. Adulticiding in mosquito harborage areas:
1. Four (4) scheduled truck Ultra Low Volume (ULV) treatments using a synthetic pyrethroid insecticide for any community special events. (Swedish Days)
- B. Adulticiding in Residential Areas:
1. Four (4) community-wide truck ULV treatments of all miles of streets using Anvil® / Biomist® or synthetic 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.

**2017 EMM Payment Total Price for Parts I, II, III, IV\*\*                      \$47,348.00\***

\* Four (4) equal payments of \$11,837.00 invoiced June 15<sup>th</sup>, July 15<sup>th</sup>, August 15<sup>th</sup> and September 15<sup>th</sup>

**\*\*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.



**Clarke Environmental Mosquito Management, Inc.,  
 Client Authorization for 2017  
 City of Geneva  
 Environmental Mosquito Management (EMM) Program**

**Administrative Information:**

**Invoices should be sent to:**

Name: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip \_\_\_\_\_  
 Office Phone: \_\_\_\_\_ Fax: \_\_\_\_\_ P.O. # \_\_\_\_\_  
 E-mail: \_\_\_\_\_ County: \_\_\_\_\_

**\*\*In an effort to be more sustainable, we ask that you provide us with an  
 Email address that the invoices should be sent to.\*\***

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

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

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

**Contact Person for City of Geneva:**

Name: \_\_\_\_\_ Title: \_\_\_\_\_  
 Office Phone: \_\_\_\_\_ Fax: \_\_\_\_\_ E-Mail: \_\_\_\_\_  
 Home Phone: \_\_\_\_\_ Cell: \_\_\_\_\_ Pager: \_\_\_\_\_

**Alternate Contact Person for City of Geneva:**

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

**RESOLUTION NO. 2017-45**

**RESOLUTION AUTHORIZING EXECUTION OF  
A PROPOSAL TO CONDUCT THE MOSQUITO ABATEMENT PROGRAM  
FOR 2017-2018**

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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 execute, on behalf of the City of Geneva, a Proposal to complete the 2017-2018 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 5th day of June, 2017

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

Approved by me this 5th day of June, 2017.

\_\_\_\_\_  
Mayor

ATTEST:

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