



# Willowbrook

835 Midway Drive  
Willowbrook, IL 60527-5549

Phone: (630) 323-8215 Fax: (630) 323-0787 [www.willowbrookil.org](http://www.willowbrookil.org)

## Mayor

Frank A. Trilla

## Village Clerk

Leroy R. Hansen

## Village Trustees

Sue Berglund

Umberto Davi

Terrence Kelly

Michael Mistele

Gayle Neal

Paul Oggerino

## Village Administrator

Tim Halik

## Chief of Police

Mark Shelton

## Director of Finance

Carrie Dittman

## A G E N D A

REGULAR MEETING OF THE MUNICIPAL SERVICES COMMITTEE TO BE HELD ON MONDAY, SEPTEMBER 12, 2016, AT 5:30 P.M. AT THE VILLAGE HALL, 835 MIDWAY DRIVE, IN THE VILLAGE OF WILLOWBROOK, DUPAGE COUNTY, ILLINOIS.

1. CALL TO ORDER
2. ROLL CALL
3. APPROVAL OF MINUTES:
  - a) August 8, 2016 Regular Meeting of the Municipal Services Committee
4. DISCUSSION – Proposal for Professional Engineering Services: Painting of Village Hall Water Tank in 2017
5. DISCUSSION – Village-Wide Fall Brush Collection Program
6. REPORT – Municipal Services Department:
  - a) August 2016 Monthly Permit Activity Report
  - b) July 2016 Water System Pumpage Report
  - c) July 2016 Scavenger Report
  - d) July & August 2016 Mosquito Abatement Program Update
7. VISITOR'S BUSINESS  
(Public comment is limited to three minutes per person)
8. COMMUNICATIONS
9. ADJOURNMENT



Proud Member of the  
Illinois Route 66 Scenic Byway

MINUTES OF THE REGULAR MEETING OF THE MUNICIPAL SERVICES COMMITTEE OF THE VILLAGE OF WILLOWBROOK HELD ON MONDAY, AUGUST 8, 2016 AT THE VILLAGE HALL, 835 MIDWAY DRIVE, IN THE VILLAGE OF WILLOWBROOK, DUPAGE COUNTY, ILLINOIS

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1. CALL TO ORDER

Chairman Mistele called the meeting to order at 5:40 PM.

2. ROLL CALL

Those present at roll call were Chairman Michael Mistele, Trustee Paul Oggerino, and Village Administrator Tim Halik. Absent: None.

3. APPROVAL OF MINUTES

- a) After review of the draft minutes from the July 11, 2016 regular meeting of the Municipal Services Committee, Chairman Mistele made a motion to approve the minutes as presented. Trustee Oggerino seconded the motion. Motion Carried

4. DISCUSSION – Intersection Safety Assessment, Clarendon Hills Road & 79<sup>th</sup> Street

Administrator Halik advised the Committee that on June 11, 2016 the Village received a concern from a resident pertaining to the intersection located at Clarendon Hills Road and 79<sup>th</sup> Street. A vehicle collision, without injuries, had recently occurred at the intersection and the resident had recalled a prior collision that occurred in 1996 at the same location in which there was a fatality. Although an investigation conducted after the tragic 1996 incident revealed that there were extenuating circumstances involved and the design of the intersection did not contribute to the crash, the lingering perception seems to be that it remains a dangerous intersection. Halik advised that in order to address the perception that it is an unsafe intersection, staff hired a senior transportation engineer from Gewalt Hamilton Associates to conduct a full safety assessment of the intersection. The results of that assessment are included in a report dated July 28, 2016 included within the packet. The report concludes that based on traffic counts and historical crash data, the intersection does not meet criteria for modification to an all-way stop design or full signalization. Intersection illumination and above grade warning signage was also found to be appropriate. Therefore, given no intersection design deficiencies were identified, suggestions were offered for possible ways to improve driver awareness. Halik advised that page three of the report includes a matrix of identified strategies to improve driver awareness which include; installing a splitter island upon the west leg of the intersection to better guide traffic, supplemental pavement markings, advanced warning signage, installation of stop beacons on 79<sup>th</sup> Street stop signs, and a flashing beacon above the intersection. All of these suggestions are intended to increase driver awareness of the intersection and are ranked within the matrix by time, cost, and crash reduction. Staff recommends consideration of all suggested strategies offered by the traffic engineer. Halik advised that he thought they were all good ideas to consider, but was concerned that flashing beacons, whether installed on the existing stop signs or suspended above the intersection, could potentially cause a nuisance to surround residential property owners. He shared that it is not uncommon for the Village

to receive complaints from residents pertaining to lighting glare and spillage from adjacent properties. If the beacon suggestions are to be considered, it is recommended that we first speak to area residents to determine whether there would be any objections. As an alternative, the installation of beacons could always be installed at a later time as we continue to monitor this location. Chairman Mistele recommended that in the future staff should attempt to obtain not-to-exceed proposals from engineers in order to try to better control costs. Halik responded that he did not believe that a single site inspection by a traffic engineer along with drafting of a findings and recommendation report for this particular issue would result in a high invoice, but agreed that generally that is a good way to control such costs. The Committee agreed that implementation of the recommended strategies to raise driver awareness, minus the beacons, could be completed at this time. If at a later time, it was decided that the beacons should be added, staff could speak to the area residents first to gauge their level of support.

5. DISCUSSION – Proposed 75<sup>th</sup> Street Water Main Replacement Project – Brookbank Road to Sawmill Creek

Administrator Halik advised the Committee that since 2012, public works crews have been tracking the number of water main breaks that have been repaired on a section of a 12” diameter water main located along the south side of 75th Street between Brookbank Road, to the west, and Sawmill creek, to the east. In 2012, it was found that this particular section of main is in a severely deteriorated condition. Staff believes that this section of main was installed in the 1970s and may be Class 50 ductile iron pipe. This class of pipe has thinner sidewalls than the current minimum class of water pipe and may have been installed at a time when the industry was switching to thicker pipe. In addition, from repair excavations, it does not appear that this water main was properly bedded with stone when it was originally installed. Staff also believes that the soils in this area are corrosive type, and this may be the cause of the extreme deterioration that we have observed. Halik advised that whenever crews install repair clamps on this section of main, sacrificial anodes are used to inhibit the corrosive soil from attacking the hardware on the repair clamp. Since 2012, we have excavated and repaired a total of eleven breaks on this 800’ long section of main. Staff has assembled costs to replace this section of water main using new poly-wrapped ductile iron pipe. This project would be fairly disruptive, as the main traverses below six residential driveway aprons that must be removed and replaced, including drainage culverts. In addition, the DuPage County bike path is located in this same area and will need to be repaired if impacted by the excavation. As part of the project, two fire hydrants will be replaced and water services to each resident’s buffalo box will be replaced. Lastly, the drainage ditch will need to be re-profiled and restored. Halik provided a summary of the estimated cost of this project, which total about \$121,914.00, and advised the Committee that there are sufficient funds to complete this project within the Village’s Water Capital Fund. Halik also shared that the completion of this project will require an access permit from DuPage County, since the water main is located on county right-of-way. We have been advised by DuPage County permitting staff that as part of this project, they will require the old water main pipe to be removed in its entirety along with all impacted driveway aprons completely replaced. Halik advised that if these items are made conditions to the access permit by DuPage County, the project will substantially increase and/or those six residents along 75<sup>th</sup> Street may be without water for an extended period of time to allow for the full removal of the abandoned water main. Halik advised that Village staff and our engineering consultant continue to discuss the details of this project with county permitting staff to convince them that the current replacement design represents the most cost effective and quickest way to restore water to our residents. However, at the present time, given we are still engaged in discussions with the County, staff is not yet ready to bring this project before the Village Board for final approval. The Committee recommended that staff stand their ground on this issue with the County for the benefit of our residents.

6. REPORT – Municipal Services Department

- a. Administrator Halik reviewed the monthly permit activity report for the month of July 2016. Halik advised that the Village received about \$19,000 in permit revenue for the month. This amount represents 26% of the total budgeted amount of revenue for fiscal year 2016/17.
- b. Administrator Halik shared the water system pumpage report for June 2016. The report indicates that the Village pumped 34,451,000 gallons of water in the month. The total amount of water pumped so far this fiscal year is about 11% more than was pumped in the same time period of 2015.

7. VISITOR'S BUSINESS

(None)

8. COMMUNICATIONS

(None)

9. ADJOURNMENT

Motion to adjourn was made by Chairman Mistele. Seconded by Trustee Oggerino. The meeting was adjourned at 6:10 PM.

(Minutes transcribed by: Tim Halik, 9/8/16)

**MUNICIPAL SERVICES COMMITTEE MEETING  
AGENDA ITEM SUMMARY SHEET**

**AGENDA ITEM DESCRIPTION**

**DISCUSSION –  
Proposal for Professional Engineering Services:  
Painting of Village Hall Water Tank in 2017**

**COMMITTEE REVIEW**

- Finance/Administration  
 Municipal Services  
 Public Safety

Meeting Date:

September 12, 2016

- Discussion Only       Approval of Staff Recommendation (for consideration by Village Board at a later date)  
 Seeking Feedback       Approval of Staff Recommendation (for immediate consideration by Village Board)  
 Regular Report       Report/documents requested by Committee

**BACKGROUND**

On June 10, 2013, the Village Board adopted Resolution No. 13-R-30 accepting a proposal from Strand Associates to perform an engineering analysis of the protective coatings on all three (3) of the Village's above grade water tower structures. These three water tanks were last blasted and re-coated in 1999, 2001 and 2002 and are experiencing varying degrees of wear. Based on the results of this analysis, the following rehabilitation schedule was approved by the Village Board, pending funding considerations:

STRUCTURE	ESTIMATED COST	ACTUAL COST	RECOMMENDED COMPLETION	FUNDING SOURCE
67th Street Tank (500,000-gallon spheroid)	\$468,000	\$368,200	FY 2015/16	Debt Issuance (bonds)
Executive Tank (3,000,000-gallon standpipe)	\$946,000	\$931,460	FY 2016/17	IEPA SRF Loan
Village Hall Tank (500,000-gallon spheroid)	\$400,000 +/-	-	FY 2017/18	Water Capital Fund

**REQUEST FOR FEEDBACK**

The rehabilitation of the 3MG Standpipe is currently underway with a projected completion date of the end of October, 2016. The FY 2016/17 budget also includes funding to develop design specifications and bidding documents relating to the re-coating of the Village Hall tank to be completed in 2017 along with bidding assistance. Attached is a proposal for engineering services from CBBEL to perform this work at a cost of \$7,000. This cost is somewhat lower due to the fact that many of the specifications from the 67<sup>th</sup> Street tank bid can be used to generate the required documents for this bid.

To receive the most competitive bid price for this project, the goal would be to go out to bid later this year or very early in 2017 with the project commencing after May 1, 2017. This project would be completed concurrent with the planned police station renovation, and should be completed prior to re-paving of the police building parking lot.

**STAFF RECOMMENDATION**

Staff recommends acceptance of the attached proposal from CBBEL. If the Committee concurs, a Resolution will be placed on the agenda for the Village Board's next meeting on September 26<sup>th</sup> for consideration.



**CHRISTOPHER B. BURKE ENGINEERING, LTD.**  
9575 West Higgins Road Suite 600 Rosemont, Illinois 60018 TEL (847) 823-0500 FAX (847) 823-0520

June 20, 2016  
**Revised August 29, 2016**

Village of Willowbrook  
835 Midway Drive  
Willowbrook, IL 60527

Attention: Mr. Tim Halik  
Village Administrator

Subject: Proposal for Professional Engineering Services for Preparation of Contract Documents and Specifications for the Painting of the Village Hall 500,000 Gallon Spheroid High Tank

Dear Mr. Halik:

In response to the Village's request, Christopher B. Burke Engineering, Ltd. (CBBEL) is pleased to provide this proposal for professional engineering services for the preparation of Contract Documents and Specifications for the painting of the 500,000 gallon spheroid high tank. Included below is our Understanding of the Assignment, Scope of Services and Estimate of Fee.

**UNDERSTANDING OF THE ASSIGNMENT**

CBBEL understands the Village is looking for a proposal for the preparation of Contract Documents for the painting and rehabilitation of the 500,000 gallon spheroid high tank located adjacent to the Village Hall and Police Department.

Our June 2016 proposal was based on preparing documents for a contract that would use an IEPA State Revolving Fund Loan, which requires additional submittals and reviews by the IEPA. Our understanding, and the basis for the revised proposal is that the Village will now use its water fund balance for the project.

For the preparation of bidding documents related to the painting and rehabilitation of the 500,000 gallon spheroid high tank, it is our understanding that Strand & Associates had prepared a preliminary inspection report and a previous bidding document, but due to circumstances outside of the Village's control at the time the tank was to be repainted in 2015, the project could not be constructed as bid and the project now needs to be rebid. Based on the information included in both of the documents stated above, CBBEL will use those documents in the preparation of the new project bidding documents and no further preliminary inspections will be required.

CBBEL has developed the following Scope of Services consistent with the Understanding of the Assignment identified above.

## SCOPE OF SERVICES

The Scope of Services was prepared based on our knowledge of the project and the procedures and requirements for similar projects in which CBBEL has undertaken.

### **Preparation of Contract Documents and Specifications for the Painting of the Village Hall 500,000 Gallon Spheroid High Tank**

- Task 1: Preparation of Preliminary Design Memo (PDM) and Bid Documents
- Task 2: Bidding Assistance

Task 1 – Preparation of Preliminary Design Memo (PDM) and Bid Documents: Based on the information provided in the Strand & Associates report and previous bidding documents, CBBEL will prepare a Preliminary Design Memorandum (PDM) that outlines the current work recommended for improvements to the Village Hall 500,000 gallon spheroid high tank. We will review the PDM with the Village prior to completing the Bid Documents. This PDM will act as the basis of the Bid Document preparation and establishment of the contract scope of work and Engineer's Opinion of Probable Construction Cost.

Task 2 – Bidding Assistance: CBBEL will prepare an Advertisement for Bid on behalf of the Village. CBBEL will notify qualified contractors regarding this project. CBBEL will attend a pre-bid meeting and respond to contractor questions during the bidding process and provide addenda as necessary. CBBEL will assist the Village and attend the bid opening, perform reference checks, provide bid evaluation and tabulation, and provide a letter of recommendation to the Village for the most responsive contractor.

## ESTIMATE OF FEE

TASK	FEE
1 Preparation of Bid Documents	\$5,000.00
2 Bidding Assistance	\$1,500.00
Direct Costs	\$500.00
TOTAL	\$7,000.00

We will bill you at the hourly rates specified on the attached Schedule of Charges and establish our contract in accordance with the attached General Terms and Conditions. Direct costs for blueprints, photocopying, mailing, overnight delivery, messenger services and report compilation are not included in the fee estimate. These General Terms and Conditions are expressly incorporated into and are an integral part of this contract for professional services. Please note that any requested meetings or additional services are not included in the preceding fee estimate and will be billed at the attached hourly rates.

We trust that the attached material will demonstrate our understanding and expertise to perform the upcoming assignment. We appreciate the opportunity to submit our proposal for the study and look forward to working with the Village on this important project.

Please sign and return one copy of this agreement as an indication of acceptance and notice to proceed. If you have any questions, please feel free to contact us anytime.

Sincerely,



Christopher B. Burke, PhD, PE, D.WRE, Dist.M.ASCE  
President

GAH/pjb

Encl. Schedule of Charges  
General Terms and Conditions

**THIS PROPOSAL, SCHEDULE OF CHARGES & GENERAL TERMS & CONDITIONS  
ACCEPTED FOR THE VILLAGE OF WILLOWBROOK**

BY: \_\_\_\_\_  
TITLE: \_\_\_\_\_  
DATE: \_\_\_\_\_

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**CHRISTOPHER B. BURKE ENGINEERING, LTD.**  
**STANDARD CHARGES FOR PROFESSIONAL SERVICES**  
**JANUARY, 2016**

<u>Personnel</u>	<u>Charges*</u> <u>(\$/Hr)</u>
Principal	257
Engineer VI	232
Engineer V	191
Engineer IV	152
Engineer III	138
Engineer I/II	109
Survey V	213
Survey IV	180
Survey III	153
Survey II	111
Survey I	87
Engineering Technician V	180
Engineering Technician IV	146
Engineering Technician III	131
Engineering Technician I/II	114
CAD Manager	159
Assistant CAD Manager	139
CAD II	138
CAD I	108
GIS Specialist III	132
GIS Specialist I/II	73
Landscape Architect	152
Environmental Resource Specialist V	195
Environmental Resource Specialist IV	150
Environmental Resource Specialist III	126
Environmental Resource Specialist I/II	103
Environmental Resource Technician	99
Administrative	98
Engineering Intern	59
Information Technician III	116
Information Technician I/II	107

Direct Costs

Outside Copies, Blueprints, Messenger, Delivery Services, Mileage      Cost + 12%

\*Charges include overhead and profit

Christopher B. Burke Engineering, Ltd. reserves the right to increase these rates and costs by 5% after December 31, 2016.

CHRISTOPHER B. BURKE ENGINEERING, LTD.  
GENERAL TERMS AND CONDITIONS

1. Relationship Between Engineer and Client: Christopher B. Burke Engineering, Ltd. (Engineer) shall serve as Client's professional engineer consultant in those phases of the Project to which this Agreement applies. This relationship is that of a buyer and seller of professional services and as such the Engineer is an independent contractor in the performance of this Agreement and it is understood that the parties have not entered into any joint venture or partnership with the other. The Engineer shall not be considered to be the agent of the Client. Nothing contained in this Agreement shall create a contractual relationship with a cause of action in favor of a third party against either the Client or Engineer.

Furthermore, causes of action between the parties to this Agreement pertaining to acts of failures to act shall be deemed to have accrued and the applicable statute of limitations shall commence to run not later than the date of substantial completion.

2. Responsibility of the Engineer: Engineer will strive to perform services under this Agreement in accordance with generally accepted and currently recognized engineering practices and principles, and in a manner consistent with that level of care and skill ordinarily exercised by members of the profession currently practicing in the same locality under similar conditions. No other representation, express or implied, and no warranty or guarantee is included or intended in this Agreement, or in any report, opinion, document, or otherwise.

Notwithstanding anything to the contrary which may be contained in this Agreement or any other material incorporated herein by reference, or in any Agreement between the Client and any other party concerning the Project, the Engineer shall not have control or be in charge of and shall not be responsible for the means, methods, techniques, sequences or procedures of construction, or the safety, safety precautions or programs of the Client, the construction contractor, other contractors or subcontractors performing any of the work or providing any of the services on the Project. Nor shall the Engineer be responsible for the acts or omissions of the Client, or for the failure of the Client, any architect, engineer, consultant, contractor or subcontractor to carry out their respective responsibilities in accordance with the Project documents, this Agreement or any other agreement concerning the Project. Any provision which purports to amend this provision shall be without effect unless it contains a reference that the content of this condition is expressly amended for the purposes described in such amendment and is signed by the Engineer.

3. Changes: Client reserves the right by written change order or amendment to make changes in requirements, amount of work, or engineering time schedule adjustments, and Engineer and Client shall negotiate appropriate adjustments acceptable to both parties to accommodate any changes, if commercially possible.
4. Suspension of Services: Client may, at any time, by written order to Engineer (Suspension of Services Order) require Engineer to stop all, or any part, of the services required by this Agreement. Upon receipt of such an order, Engineer shall immediately comply with its terms and take all reasonable steps to minimize the costs associated with the services affected by such order. Client, however, shall pay all costs incurred by the suspension, including all costs necessary to maintain continuity and for the resumption

of the services upon expiration of the Suspension of Services Order. Engineer will not be obligated to provide the same personnel employed prior to suspension, when the services are resumed, in the event that the period of suspension is greater than thirty (30) days.

5. **Termination:** This Agreement may be terminated by either party upon thirty (30) days written notice in the event of substantial failure by the other party to perform in accordance with the terms hereof through no fault of the terminating party. This Agreement may be terminated by Client, under the same terms, whenever Client shall determine that termination is in its best interests. Cost of termination, including salaries, overhead and fee, incurred by Engineer either before or after the termination date shall be reimbursed by Client.
6. **Documents Delivered to Client:** Drawings, specifications, reports, and any other Project Documents prepared by Engineer in connection with any or all of the services furnished hereunder shall be delivered to the Client for the use of the Client. Engineer shall have the right to retain originals of all Project Documents and drawings for its files. Furthermore, it is understood and agreed that the Project Documents such as, but not limited to reports, calculations, drawings, and specifications prepared for the Project, whether in hard copy or machine readable form, are instruments of professional service intended for one-time use in the construction of this Project. These Project Documents are and shall remain the property of the Engineer. The Client may retain copies, including copies stored on magnetic tape or disk, for information and reference in connection with the occupancy and use of the Project.

When and if record drawings are to be provided by the Engineer, Client understands that information used in the preparation of record drawings is provided by others and Engineer is not responsible for accuracy, completeness, nor sufficiency of such information. Client also understands that the level of detail illustrated by record drawings will generally be the same as the level of detail illustrated by the design drawing used for project construction. If additional detail is requested by the Client to be included on the record drawings, then the Client understands and agrees that the Engineer will be due additional compensation for additional services.

It is also understood and agreed that because of the possibility that information and data delivered in machine readable form may be altered, whether inadvertently or otherwise, the Engineer reserves the right to retain the original tapes/disks and to remove from copies provided to the Client all identification reflecting the involvement of the Engineer in their preparation. The Engineer also reserves the right to retain hard copy originals of all Project Documentation delivered to the Client in machine readable form, which originals shall be referred to and shall govern in the event of any inconsistency between the two.

The Client understands that the automated conversion of information and data from the system and format used by the Engineer to an alternate system or format cannot be accomplished without the introduction of inexactitudes, anomalies, and errors. In the event Project Documentation provided to the Client in machine readable form is so converted, the Client agrees to assume all risks associated therewith and, to the fullest

extent permitted by law, to hold harmless and indemnify the Engineer from and against all claims, liabilities, losses, damages, and costs, including but not limited to attorney's fees, arising therefrom or in connection therewith.

The Client recognizes that changes or modifications to the Engineer's instruments of professional service introduced by anyone other than the Engineer may result in adverse consequences which the Engineer can neither predict nor control. Therefore, and in consideration of the Engineer's agreement to deliver its instruments of professional service in machine readable form, the Client agrees, to the fullest extent permitted by law, to hold harmless and indemnify the Engineer from and against all claims, liabilities, losses, damages, and costs, including but not limited to attorney's fees, arising out of or in any way connected with the modification, misinterpretation, misuse, or reuse by others of the machine readable information and data provided by the Engineer under this Agreement. The foregoing indemnification applies, without limitation, to any use of the Project Documentation on other projects, for additions to this Project, or for completion of this Project by others, excepting only such use as may be authorized, in writing, by the Engineer.

7. **Reuse of Documents:** All Project Documents including but not limited to reports, opinions of probable costs, drawings and specifications furnished by Engineer pursuant to this Agreement are intended for use on the Project only. They cannot be used by Client or others on extensions of the Project or any other project. Any reuse, without specific written verification or adaptation by Engineer, shall be at Client's sole risk, and Client shall indemnify and hold harmless Engineer from all claims, damages, losses, and expenses including attorney's fees arising out of or resulting therefrom.

The Engineer shall have the right to include representations of the design of the Project, including photographs of the exterior and interior, among the Engineer's promotional and professional materials. The Engineer's materials shall not include the Client's confidential and proprietary information if the Client has previously advised the Engineer in writing of the specific information considered by the Client to be confidential and proprietary.

8. **Standard of Practice:** The Engineer will strive to conduct services under this agreement in a manner consistent with that level of care and skill ordinarily exercised by members of the profession currently practicing in the same locality under similar conditions as of the date of this Agreement.
9. **Compliance With Laws:** The Engineer will strive to exercise usual and customary professional care in his/her efforts to comply with those laws, codes, ordinance and regulations which are in effect as of the date of this Agreement.

With specific respect to prescribed requirements of the Americans with Disabilities Act of 1990 or certified state or local accessibility regulations (ADA), Client understands ADA is a civil rights legislation and that interpretation of ADA is a legal issue and not a design issue and, accordingly, retention of legal counsel (by Client) for purposes of interpretation is advisable. As such and with respect to ADA, Client agrees to waive any action against Engineer, and to indemnify and defend Engineer against any claim arising from Engineer's alleged failure to meet ADA requirements prescribed.

Further to the law and code compliance, the Client understands that the Engineer will strive to provide designs in accordance with the prevailing Standards of Practice as previously set forth, but that the Engineer does not warrant that any reviewing agency having jurisdiction will not for its own purposes comment, request changes and/or additions to such designs. In the event such design requests are made by a reviewing agency, but which do not exist in the form of a written regulation, ordinance or other similar document as published by the reviewing agency, then such design changes (at substantial variance from the intended design developed by the Engineer), if effected and incorporated into the project documents by the Engineer, shall be considered as Supplementary Task(s) to the Engineer's Scope of Service and compensated for accordingly.

10. Indemnification: Engineer shall indemnify and hold harmless Client up to the amount of this contract fee (for services) from loss or expense, including reasonable attorney's fees for claims for personal injury (including death) or property damage to the extent caused by the sole negligent act, error or omission of Engineer.

Client shall indemnify and hold harmless Engineer under this Agreement, from loss or expense, including reasonable attorney's fees, for claims for personal injuries (including death) or property damage arising out of the sole negligent act, error omission of Client.

In the event of joint or concurrent negligence of Engineer and Client, each shall bear that portion of the loss or expense that its share of the joint or concurrent negligence bears to the total negligence (including that of third parties), which caused the personal injury or property damage.

Engineer shall not be liable for special, incidental or consequential damages, including, but not limited to loss of profits, revenue, use of capital, claims of customers, cost of purchased or replacement power, or for any other loss of any nature, whether based on contract, tort, negligence, strict liability or otherwise, by reasons of the services rendered under this Agreement.

11. Opinions of Probable Cost: Since Engineer has no control over the cost of labor, materials or equipment, or over the Contractor(s) method of determining process, or over competitive bidding or market conditions, his/her opinions of probable Project Construction Cost provided for herein are to be made on the basis of his/her experience and qualifications and represent his/her judgement as a design professional familiar with the construction industry, but Engineer cannot and does not guarantee that proposal, bids or the Construction Cost will not vary from opinions of probable construction cost prepared by him/her. If prior to the Bidding or Negotiating Phase, Client wishes greater accuracy as to the Construction Cost, the Client shall employ an independent cost estimator Consultant for the purpose of obtaining a second construction cost opinion independent from Engineer.
12. Governing Law & Dispute Resolutions: This Agreement shall be governed by and construed in accordance with Articles previously set forth by (Item 9 of) this Agreement, together with the laws of the **State of Illinois**.

Any claim, dispute or other matter in question arising out of or related to this Agreement, which can not be mutually resolved by the parties of this Agreement, shall be subject to mediation as a condition precedent to arbitration (if arbitration is agreed upon by the parties of this Agreement) or the institution of legal or equitable proceedings by either party. If such matter relates to or is the subject of a lien arising out of the Engineer's services, the Engineer may proceed in accordance with applicable law to comply with the lien notice or filing deadlines prior to resolution of the matter by mediation or by arbitration.

The Client and Engineer shall endeavor to resolve claims, disputes and other matters in question between them by mediation which, unless the parties mutually agree otherwise, shall be in accordance with the Construction Industry Mediation Rules of the American Arbitration Association currently in effect. Requests for mediation shall be filed in writing with the other party to this Agreement and with the American Arbitration Association. The request may be made concurrently with the filing of a demand for arbitration but, in such event, mediation shall proceed in advance of arbitration or legal or equitable proceedings, which shall be stayed pending mediation for a period of 60 days from the date of filing, unless stayed for a longer period by agreement of the parties or court order.

The parties shall share the mediator's fee and any filing fees equally. The mediation shall be held in the place where the Project is located, unless another location is mutually agreed upon. Agreements reached in mediation shall be enforceable as settlement agreements in any court having jurisdiction thereof.

13. Successors and Assigns: The terms of this Agreement shall be binding upon and inure to the benefit of the parties and their respective successors and assigns: provided, however, that neither party shall assign this Agreement in whole or in part without the prior written approval of the other.
14. Waiver of Contract Breach: The waiver of one party of any breach of this Agreement or the failure of one party to enforce at any time, or for any period of time, any of the provisions hereof, shall be limited to the particular instance, shall not operate or be deemed to waive any future breaches of this Agreement and shall not be construed to be a waiver of any provision, except for the particular instance.
15. Entire Understanding of Agreement: This Agreement represents and incorporates the entire understanding of the parties hereto, and each party acknowledges that there are no warranties, representations, covenants or understandings of any kind, matter or description whatsoever, made by either party to the other except as expressly set forth herein. Client and the Engineer hereby agree that any purchase orders, invoices, confirmations, acknowledgments or other similar documents executed or delivered with respect to the subject matter hereof that conflict with the terms of the Agreement shall be null, void and without effect to the extent they conflict with the terms of this Agreement.
16. Amendment: This Agreement shall not be subject to amendment unless another instrument is duly executed by duly authorized representatives of each of the parties and entitled "Amendment of Agreement".

17. Severability of Invalid Provisions: If any provision of the Agreement shall be held to contravene or to be invalid under the laws of any particular state, county or jurisdiction where used, such contravention shall not invalidate the entire Agreement, but it shall be construed as if not containing the particular provisions held to be invalid in the particular state, country or jurisdiction and the rights or obligations of the parties hereto shall be construed and enforced accordingly.
18. Force Majeure: Neither Client nor Engineer shall be liable for any fault or delay caused by any contingency beyond their control including but not limited to acts of God, wars, strikes, walkouts, fires, natural calamities, or demands or requirements of governmental agencies.
19. Subcontracts: Engineer may subcontract portions of the work, but each subcontractor must be approved by Client in writing.
20. Access and Permits: Client shall arrange for Engineer to enter upon public and private property and obtain all necessary approvals and permits required from all governmental authorities having jurisdiction over the Project. Client shall pay costs (including Engineer's employee salaries, overhead and fee) incident to any effort by Engineer toward assisting Client in such access, permits or approvals, if Engineer perform such services.
21. Designation of Authorized Representative: Each party (to this Agreement) shall designate one or more persons to act with authority in its behalf in respect to appropriate aspects of the Project. The persons designated shall review and respond promptly to all communications received from the other party.
22. Notices: Any notice or designation required to be given to either party hereto shall be in writing, and unless receipt of such notice is expressly required by the terms hereof shall be deemed to be effectively served when deposited in the mail with sufficient first class postage affixed, and addressed to the party to whom such notice is directed at such party's place of business or such other address as either party shall hereafter furnish to the other party by written notice as herein provided.
23. Limit of Liability: The Client and the Engineer have discussed the risks, rewards, and benefits of the project and the Engineer's total fee for services. In recognition of the relative risks and benefits of the Project to both the Client and the Engineer, the risks have been allocated such that the Client agrees that to the fullest extent permitted by law, the Engineer's total aggregate liability to the Client for any and all injuries, claims, costs, losses, expenses, damages of any nature whatsoever or claim expenses arising out of this Agreement from any cause or causes, including attorney's fees and costs, and expert witness fees and costs, shall not exceed the total Engineer's fee for professional engineering services rendered on this project as made part of this Agreement. Such causes included but are not limited to the Engineer's negligence, errors, omissions, strict liability or breach of contract. It is intended that this limitation apply to any and all liability or cause of action however alleged or arising, unless otherwise prohibited by law.

24. Client's Responsibilities: The Client agrees to provide full information regarding requirements for and about the Project, including a program which shall set forth the Client's objectives, schedule, constraints, criteria, special equipment, systems and site requirements.

The Client agrees to furnish and pay for all legal, accounting and insurance counseling services as may be necessary at any time for the Project, including auditing services which the Client may require to verify the Contractor's Application for Payment or to ascertain how or for what purpose the Contractor has used the money paid by or on behalf of the Client.

The Client agrees to require the Contractor, to the fullest extent permitted by law, to indemnify, hold harmless, and defend the Engineer, its consultants, and the employees and agents of any of them from and against any and all claims, suits, demands, liabilities, losses, damages, and costs ("Losses"), including but not limited to costs of defense, arising in whole or in part out of the negligence of the Contractor, its subcontractors, the officers, employees, agents, and subcontractors of any of them, or anyone for whose acts any of them may be liable, regardless of whether or not such Losses are caused in part by a party indemnified hereunder. Specifically excluded from the foregoing are Losses arising out of the preparation or approval of maps, drawings, opinions, reports, surveys, change orders, designs, or specifications, and the giving of or failure to give directions by the Engineer, its consultants, and the agents and employees of any of them, provided such giving or failure to give is the primary cause of Loss. The Client also agrees to require the Contractor to provide to the Engineer the required certificate of insurance.

The Client further agrees to require the Contractor to name the Engineer, its agents and consultants as additional insureds on the Contractor's policy or policies of comprehensive or commercial general liability insurance. Such insurance shall include products and completed operations and contractual liability coverages, shall be primary and noncontributing with any insurance maintained by the Engineer or its agents and consultants, and shall provide that the Engineer be given thirty days, unqualified written notice prior to any cancellation thereof.

In the event the foregoing requirements, or any of them, are not established by the Client and met by the Contractor, the Client agrees to indemnify and hold harmless the Engineer, its employees, agents, and consultants from and against any and all Losses which would have been indemnified and insured against by the Contractor, but were not.

When Contract Documents prepared under the Scope of Services of this contract require insurance(s) to be provided, obtained and/or otherwise maintained by the Contractor, the Client agrees to be wholly responsible for setting forth any and all such insurance requirements. Furthermore, any document provided for Client review by the Engineer under this Contract related to such insurance(s) shall be considered as sample insurance requirements and not the recommendation of the Engineer. Client agrees to have their own risk management department review any and all insurance requirements for adequacy and to determine specific types of insurance(s) required for the project. Client further agrees that decisions concerning types and amounts of insurance are

specific to the project and shall be the product of the Client. As such, any and all insurance requirements made part of Contract Documents prepared by the Engineer are not to be considered the Engineer's recommendation, and the Client shall make the final decision regarding insurance requirements.

25. Information Provided by Others: The Engineer shall indicate to the Client the information needed for rendering of the services of this Agreement. The Client shall provide to the Engineer such information as is available to the Client and the Client's consultants and contractors, and the Engineer shall be entitled to rely upon the accuracy and completeness thereof. The Client recognizes that it is impossible for the Engineer to assure the accuracy, completeness and sufficiency of such information, either because it is impossible to verify, or because of errors or omissions which may have occurred in assembling the information the Client is providing. Accordingly, the Client agrees, to the fullest extent permitted by law, to indemnify and hold the Engineer and the Engineer's subconsultants harmless from any claim, liability or cost (including reasonable attorneys' fees and cost of defense) for injury or loss arising or allegedly arising from errors, omissions or inaccuracies in documents or other information provided by the Client to the Engineer.
26. Payment: Client shall be invoiced once each month for work performed during the preceding period. Client agrees to pay each invoice within thirty (30) days of its receipt. The client further agrees to pay interest on all amounts invoiced and not paid or objected to for valid cause within said thirty (30) day period at the rate of eighteen (18) percent per annum (or the maximum interest rate permitted under applicable law, whichever is the lesser) until paid. Client further agrees to pay Engineer's cost of collection of all amounts due and unpaid after sixty (60) days, including court costs and reasonable attorney's fees, as well as costs attributed to suspension of services accordingly and as follows:
- ~~Collection-Costs.~~ In the event legal action is necessary to enforce the payment provisions of this Agreement, the Engineer shall be entitled to collect from the Client any judgement or settlement sums due, reasonable attorneys' fees, court costs and expenses incurred by the Engineer in connection therewith and, in addition, the reasonable value of the Engineer's time and expenses spent in connection with such collection action, computed at the Engineer's prevailing fee schedule and expense policies.
- Suspension of Services. If the Client fails to make payments when due or otherwise is in breach of this Agreement, the Engineer may suspend performance of services upon five (5) calendar days' notice to the Client. The Engineer shall have no liability whatsoever to the Client for any costs or damages as a result of such suspension caused by any breach of this Agreement by the Client. Client will reimburse Engineer for all associated costs as previously set forth in (Item 4 of) this Agreement.
27. When construction observation tasks are part of the service to be performed by the Engineer under this Agreement, the Client will include the following clause in the construction contract documents and Client agrees not to modify or delete it:

Kotecki Waiver. Contractor (and any subcontractor into whose subcontract this clause is incorporated) agrees to assume the entire liability for all personal injury claims suffered by its own employees, including without limitation claims under the Illinois Structural Work Act, asserted by persons allegedly injured on the Project; waives any limitation of liability defense based upon the Worker's Compensation Act, court interpretations of said Act or otherwise; and to the fullest extent permitted by law, agrees to indemnify and hold harmless and defend Owner and Engineer and their agents, employees and consultants (the "Indemnitees") from and against all such loss, expense, damage or injury, including reasonable attorneys' fees, that the Indemnitees may sustain as a result of such claims, except to the extent that Illinois law prohibits indemnity for the Indemnitees' own negligence. The Owner and Engineer are designated and recognized as explicit third party beneficiaries of the Kotecki Waiver within the general contract and all subcontracts entered into in furtherance of the general contract.

28. Job Site Safety/Supervision & Construction Observation: The Engineer shall neither have control over or charge of, nor be responsible for, the construction means, methods, techniques, sequences of procedures, or for safety precautions and programs in connection with the Work since they are solely the Contractor's rights and responsibilities. The Client agrees that the Contractor shall supervise and direct the work efficiently with his/her best skill and attention; and that the Contractor shall be solely responsible for the means, methods, techniques, sequences and procedures of construction and safety at the job site. The Client agrees and warrants that this intent shall be carried out in the Client's contract with the Contractor. The Client further agrees that the Contractor shall be responsible for initiating, maintaining and supervising all safety precautions and programs in connection with the work; and that the Contractor shall take all necessary precautions for the safety of, and shall provide the necessary protection to prevent damage, injury or loss to all employees on the subject site and all other persons who may be affected thereby. The Engineer shall have no authority to stop the work of the Contractor or the work of any subcontractor on the project.

When construction observation services are included in the Scope of Services, the Engineer shall visit the site at intervals appropriate to the stage of the Contractor's operation, or as otherwise agreed to by the Client and the Engineer to: 1) become generally familiar with and to keep the Client informed about the progress and quality of the Work; 2) to strive to bring to the Client's attention defects and deficiencies in the Work and; 3) to determine in general if the Work is being performed in a manner indicating that the Work, when fully completed, will be in accordance with the Contract Documents. However, the Engineer shall not be required to make exhaustive or continuous on-site inspections to check the quality or quantity of the Work. If the Client desires more extensive project observation, the Client shall request that such services be provided by the Engineer as Additional and Supplemental Construction Observation Services in accordance with the terms of this Agreement.

The Engineer shall not be responsible for any acts or omissions of the Contractor, subcontractor, any entity performing any portions of the Work, or any agents or employees of any of them. The Engineer does not guarantee the performance of the

Contractor and shall not be responsible for the Contractor's failure to perform its Work in accordance with the Contract Documents or any applicable laws, codes, rules or regulations.

When municipal review services are included in the Scope of Services, the Engineer (acting on behalf of the municipality), when acting in good faith in the discharge of its duties, shall not thereby render itself liable personally and is, to the maximum extent permitted by law, relieved from all liability for any damage that may accrue to persons or property by reason of any act or omission in the discharge of its duties. Any suit brought against the Engineer which involve the acts or omissions performed by it in the enforcement of any provisions of the Client's rules, regulation and/or ordinance shall be defended by the Client until final termination of the proceedings. The Engineer shall be entitled to all defenses and municipal immunities that are, or would be, available to the Client.

29. Insurance and Indemnification: The Engineer and the Client understand and agree that the Client will contractually require the Contractor to defend and indemnify the Engineer and/or any subconsultants from any claims arising from the Work. The Engineer and the Client further understand and agree that the Client will contractually require the Contractor to procure commercial general liability insurance naming the Engineer as an additional named insured with respect to the work. The Contractor shall provide to the Client certificates of insurance evidencing that the contractually required insurance coverage has been procured. However, the Contractor's failure to provide the Client with the requisite certificates of insurance shall not constitute a waiver of this provision by the Engineer.

The Client and Engineer waive all rights against each other and against the Contractor and consultants, agents and employees of each of them for damages to the extent covered by property insurance during construction. The Client and Engineer each shall require similar waivers from the Contractor, consultants, agents and persons or entities awarded separate contracts administered under the Client's own forces.

30. Hazardous Materials/Pollutants: Unless otherwise provided by this Agreement, the Engineer and Engineer's consultants shall have no responsibility for the discovery, presence, handling, removal or disposal of or exposure of persons to hazardous materials/pollutants in any form at the Project site, including but not limited to mold/mildew, asbestos, asbestos products, polychlorinated biphenyl (PCB) or other toxic/hazardous/pollutant type substances.

Furthermore, Client understands that the presence of mold/mildew and the like are results of prolonged or repeated exposure to moisture and the lack of corrective action. Client also understands that corrective action is a operation, maintenance and repair activity for which the Engineer is not responsible.

**FIRST AMENDMENT TO THE GENERAL TERMS AND CONDITIONS OF THAT  
CERTAIN AGREEMENT BY AND BETWEEN CHRISTOPHER B. BURKE  
ENGINEERING, LTD. AND THE VILLAGE OF WILLOWBROOK FOR  
PROFESSIONAL ENGINEERING SERVICES FOR THE PREPARATION OF  
CONTRACT DOCUMENTS AND SPECIFICATIONS FOR THE PAINTING OF THE  
VILLAGE HALL 500,000 GALLON SPHEROID HIGH TANK**

That certain Agreement by and between CHRISTOPHER B. BURKE ENGINEERING, LTD. (the "Engineer") and THE VILLAGE OF WILLOWBROOK (the "Client"), to provide professional engineering services to The Village of Willowbrook in connection with the professional engineering services for the preparation of contract documents and specifications for the painting of the Village Hall 500,000 gallon spheroid high tank, is hereby amended, by amending the "Christopher B. Burke Engineering, Ltd. General Terms and Conditions" as hereinafter set forth:

1. Paragraph 9, entitled "Compliance with Laws" of the General Conditions is hereby amended by deleting, in its entirety, the second paragraph therein.

2. Paragraph 10, entitled "Indemnification" of the General Terms and Conditions is hereby amended to read as follows:

Indemnification: Engineer shall indemnify and hold harmless Client. Engineer shall defend, indemnify and hold harmless Client, its elected officials, managers, officers, employees, agents, representatives and successors and all persons acting by, through, under or in concert with them, from and against any and all liabilities, claims, suits, obligations, losses, penalties, judgments, including costs and reasonable attorneys' fees, to the extent caused by the sole negligent or willful act, or error or omission of Engineer, its employees, agents or assigns.

Indemnification: Client shall indemnify and hold harmless Engineer. Client agrees to defend, indemnify and hold harmless Engineer, its elected officials, managers, officers,

employees, agents, representatives and successors and all persons acting by, through, under or in concert with them, from and against any and all liabilities, claims, suits, obligations, losses, penalties, judgments, including costs and reasonable attorneys' fees, to the extent caused by the sole willful or wanton act of Client, its employees or agents.

Neither party shall be liable for any special incidental or consequential damages including, but not limited to loss of profits, revenue, use of capital, claims of customers, cost of purchased or replacement power, or for any other loss of any nature, whether based on contract, tort, negligence, strict liability or otherwise, by reasons of the services rendered under this Agreement.

3. Paragraph 23, entitled "Limit of Liability" of the General Terms and Conditions, shall be deleted in its entirety.

4. Paragraph 24, entitled "Client's Responsibilities" of the General Terms and Conditions shall be amended to read as follows:

Additional Responsibilities of Client and Engineer: The Client agrees to provide full information regarding requirements for and about the Project, including a program which shall set forth the Client's objectives, schedule, constraints, criteria, special equipment, systems and site requirements.

The Client shall name the Engineer, its agents and consultants, as an additional insured on the Client's policy or policies of general liability insurance.

Client shall provide Engineer a copy of said Certificate of Insurance and shall provide that the Engineer be given thirty (30) days, unqualified written notice prior to cancellation thereof.

The Engineer further agrees to name the Client, its agents, employees and elected officials as additional insureds on Engineer's policy or policies of comprehensive and/or commercial general liability insurance including Engineer's policies of insurance for workers' compensation. Workers' Compensation Insurance shall be in such amounts as required by the Illinois Department of Labor. Engineer shall provide Client with a Certificate of Insurance naming Client as an additional insured and Client shall be given thirty (30) days, unqualified written notice prior to any cancellation thereof.

5. Paragraph 26, entitled "Payment" of the General Terms and Conditions, shall be amended to read as follows:

Payment: Client shall be invoiced once a month for work performed during the preceding month. Client agrees to pay each invoice in accord with the provisions of the Illinois Governmental Prompt Payment Act.

Suspension of Services: If Client fails to make payments when due, or otherwise is in breach of this Agreement, the Engineer may suspend performance of services upon five (5) business days' written notice to the Client. The Engineer shall have no liability whatsoever to the Client for any costs or damages as a result of such suspension caused by any breach of this Agreement by the Client. Client will reimburse Engineer for all associated costs previously set forth in (Item 4 of) this agreement.

6. The remaining provisions of the General Terms and Conditions, unamended by this First Amendment to the Christopher B. Burke Engineering, Ltd. General Terms and Conditions, shall remain in full force and effect and unamended by this First Amendment.

READ, APPROVED AND AGREED  
THE VILLAGE OF WILLOWBROOK

READ, APPROVED AND AGREED  
CHRISTOPHER B. BURKE ENGINEERING,  
LTD.

By: \_\_\_\_\_  
Frank Trilla, Mayor

By: \_\_\_\_\_  
Christopher B. Burke, President

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

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

ATTEST:

ATTEST:

\_\_\_\_\_  
Village Clerk

\_\_\_\_\_

**MUNICIPAL SERVICES COMMITTEE MEETING  
AGENDA ITEM SUMMARY SHEET**

**AGENDA ITEM DESCRIPTION**

**DISCUSSION – VILLAGE-WIDE FALL BRUSH COLLECTION PROGRAM**

**COMMITTEE REVIEW**

- Finance/Administration
- Municipal Services
- Public Safety

Meeting Date:

September 12, 2016

- |   |   |
|---|---|
| <input type="checkbox"/> Discussion Only  | <input checked="" type="checkbox"/> Approval of Staff Recommendation (for consideration by Village Board at a later date) |
| <input type="checkbox"/> Seeking Feedback | <input type="checkbox"/> Approval of Staff Recommendation (for <u>immediate</u> consideration by Village Board)           |
| <input type="checkbox"/> Regular Report   | <input type="checkbox"/> Report/documents requested by Committee  |

**BACKGROUND**

This past Spring, the Village's EAB abatement tree contractor, NJ Ryan Tree & Landscape, LLC, completed the Village-wide brush collection program. The program included curb-side collection of piled brush throughout town with the resulting chipped hauled away, as we did not have a location in which to stockpile them, since the painting of the 3 MG standpipe was underway.

The Fall program will also consist of a curb-side chipping program, with the resulting chips hauled away. Staff has attempted to solicit proposals from three (3) local landscape maintenance contractors, however, two of them have been unresponsive so far. Despite our multiple reminders to the contractors, we have only received one proposal to date – from NJ Ryan Tree & Landscape, LLC.

The Fall Brush Collection Program is scheduled to occur the week of October 10, 2016. Therefore, the Village Board must accept a proposal by their next meeting on September 26, 2016.

**STAFF RECOMMENDATION**

Staff will continue to seek vendors to submit a proposal for this program and will include a resolution for consideration on the agenda for the Board's next meeting on September 26<sup>th</sup>.



EST. 1960

# Willowbrook

835 Midway Drive  
Willowbrook, IL 60527-5549

Phone: (630) 323-8215 Fax: (630) 323-0787 www.willowbrookil.org

**Mayor**

Frank A. Trilla

**Village Clerk**

Leroy R. Hansen

**Village Trustees**

Sue Berglund

Umberto Davi

Terrence Kelly

Michael Mistele

Gayle Neal

Paul Oggerino

**Village Administrator**

Tim Halik

**Chief of Police**

Mark Shelton

MONTHLY REPORT  
MUNICIPAL SERVICES DEPARTMENT  
Permits issued for the month of August, 2016

Asphalt	1
Balcony Rehab	1
Concrete	3
Demolition	3
Door Installation	1
Electric Alterations	1
Fire Pump	1
Interior Buildout	1
Interior Demolition	1
Kitchen Remodel	1
Mass Grading	1
Plumbing	1
Re-Occupancy	1
Roof	17
Sign	2
Single Family Residence	1
Water Heater Replacement	1
Window Replacement	4
<b>TOTAL</b>	<b>42</b>
Final Certificates of Occupancy	1
Temporary Certificates of Occupancy	0
Permit Revenue for August, 2016	59,753.64
Total Revenue Collected for Fiscal Year To Date	120,725.84
Total Budgeted for Fiscal Year 2016/17	232,500.00
Total Percentage of Budgeted Revenue Collected to Date	51.93

Respectfully submitted,

Timothy Halik  
Village Administrator

TH/jp



Proud Member of the  
Illinois Route 66 Scenic Byway

MUNICIPAL SERVICES DEPARTMENT

PERMIT REVENUE

Fiscal Year 2016/17

MONTH	CURRENT FISCAL YEAR	PRIOR FISCAL YEAR
MAY	\$ 28,379.31	\$ 11,447.58
JUNE	\$ 13,426.64	\$ 21,083.13
JULY	\$ 19,166.25	\$ 19,426.58
AUGUST	\$ 59,753.64	\$ 15,150.56
SEPTEMBER		\$ 146,015.93
OCTOBER		\$ 24,175.36
NOVEMBER		\$ 39,743.04
DECEMBER		\$ 15,692.73
JANUARY		\$ 9,450.41
FEBRUARY		\$ 9,393.21
MARCH		\$ 32,001.35
APRIL		\$ 25,586.99
COLLECTED REVENUE	\$ 120,725.84	\$ 369,166.87
BUDGETED REVENUE	\$ 232,500.00	\$ 200,000.00
REVENUES COLLECTED- (OVER)/UNDER BUDGET	\$ 111,774.16	(169,446.87)
PERCENTAGE OF BUDGETED REVENUE COLLECTED	51.93%	184.72

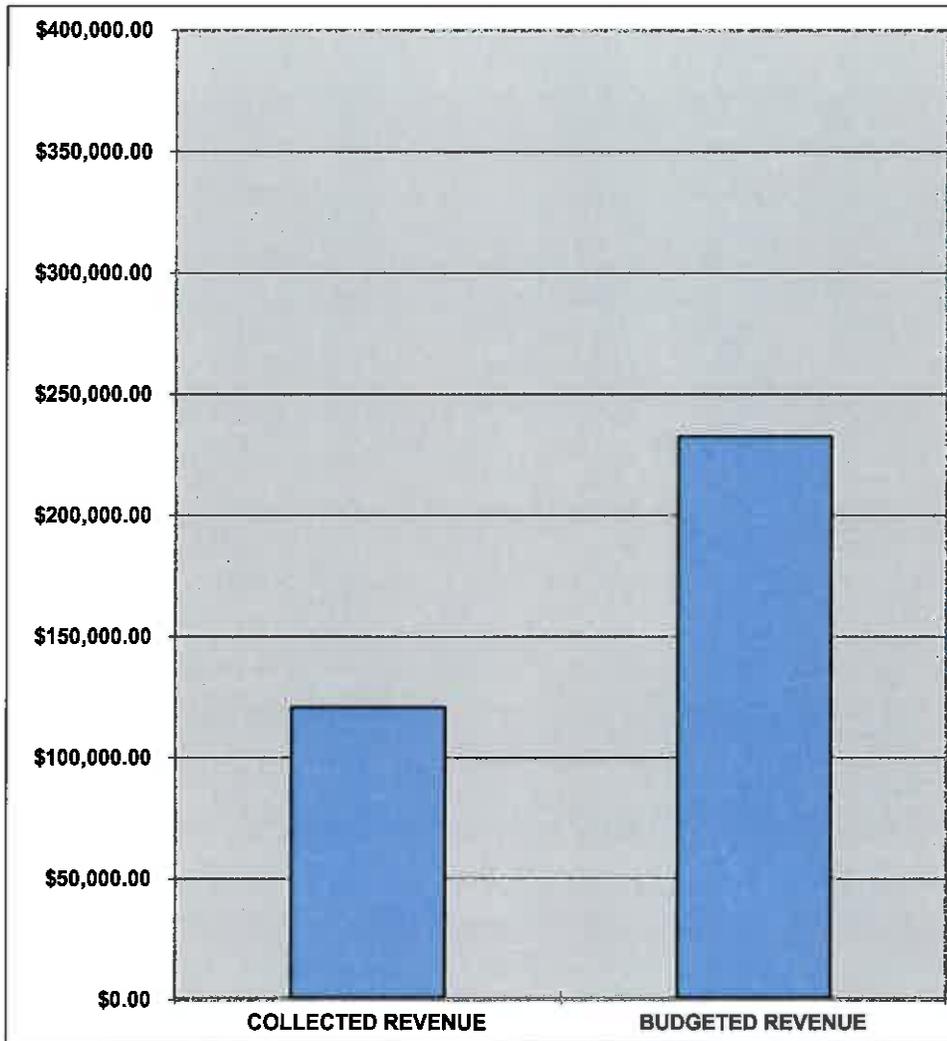
MUNICIPAL SERVICES DEPARTMENT

PERMIT REVENUE

	Fiscal Year 16/17	Fiscal Year 15/16
COLLECTED REVENUE	\$ 120,725.84	\$ 369,446.87
BUDGETED REVENUE	\$ 232,500.00	\$ 200,000.00

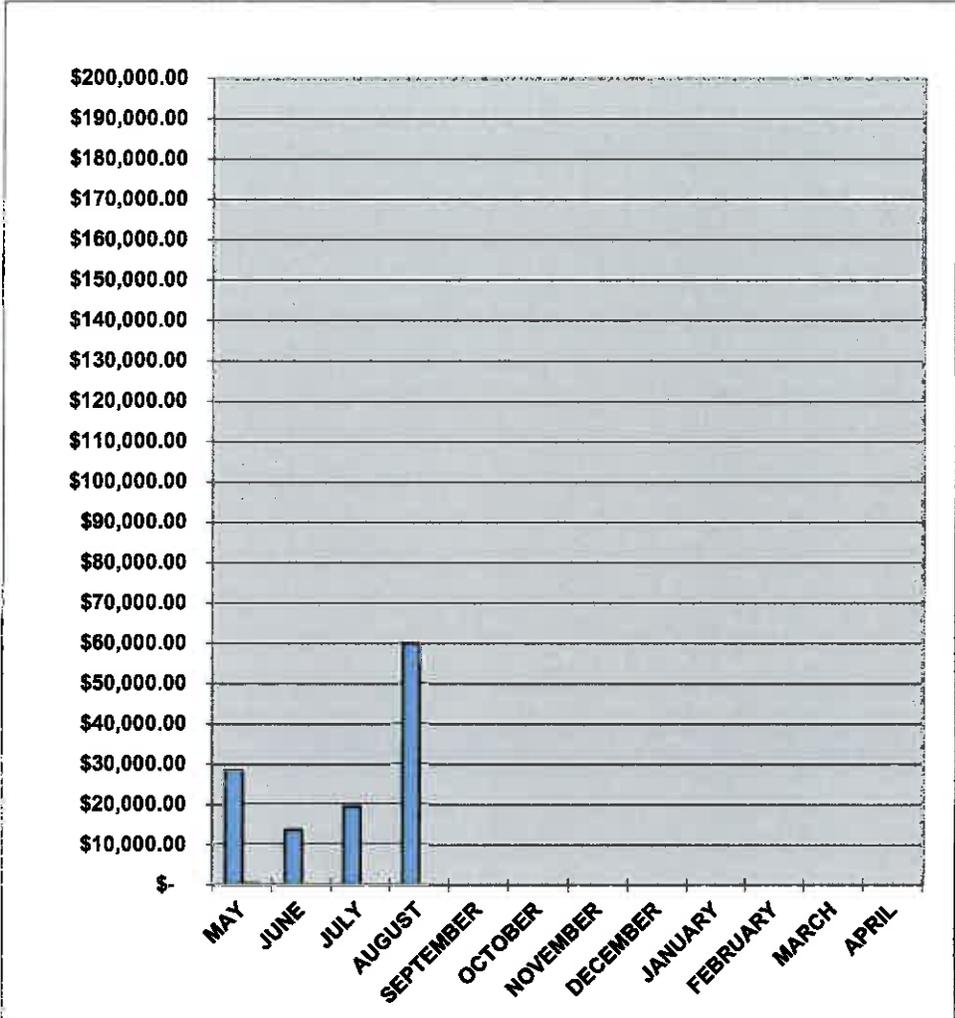
# MUNICIPAL SERVICES DEPARTMENT

## PERMIT REVENUE



MUNICIPAL SERVICES DEPARTMENT

PERMIT REVENUE



Permit	Date Issued:	Name:	Address:	Permit Purpose:	Business Name:	Fee:	RES / COMM:	Date Released:
16-307	08/24/16	W. H. McNaughton	535 Plainfield	Asphalt	Woodland Park	\$ 300.00	C	08/24/16
16-269	08/08/16	Lake Hinsdale Village	701 Lake Hinsdale	Balcony Rehab		\$ 1,850.00	R	08/08/16
16-265	08/08/16	Stanhope	145 Windsor	Concrete		\$ 1,250.00	R	08/08/16
16-281	08/10/16	Joel Teglia	7630 Plaza Ct	Concrete	Willow Lake Office	\$ 300.00	C	08/10/16
16-282	08/10/16	Robert Schlenker	6412 Madison	Concrete		\$ 125.00	R	08/10/16
16-274	08/05/16	Pulte	6526 Clarendon Hills Rd	Demolition		\$ 2,000.00	R	08/05/16
16-278	08/08/16	Morgan Harbour	7510 Madison	Demolition	Morgan Harbour	\$ 4,373.49	C	08/08/16
16-007	08/24/16	Willows Center	840 Plainfield	Demolition	Pete's Fresh Market	\$ 16,678.81	C	08/24/16
16-316	08/29/16	Patrick Kenny	732 68th Place	Door Installation		\$ 75.00	R	08/29/16
16-291	08/19/16	Margaret Kychtarik	328 Sheridan Dr	Electric alterations		\$ 125.00	R	08/19/16
16-279	08/22/16	Sterigenics	7775 Quincy Street	Fire Pump	Sterigenics	\$ 480.00	C	08/22/16
16-200	08/10/16	Son Tran	650 Willowbrook Center	Interior Buildout	New Floor Coverings	\$ 655.00	C	08/10/16
16-310	08/30/16	Pure Sleep	6938 Kingery Highway	Interior Demolition	Pure Sleep	\$ 1,000.00	C	08/30/16
16-262	08/08/16	Steven Dejong	6209 Willowood Lane	Kitchen Remodel		\$ 635.04	R	08/08/16
16-275	08/08/16	Carrington Club	6526 Clarendon Hills Rd	Mass Grading	Pulte Homes	\$ 5,805.00	C	08/08/16
15-278	08/08/16	Mike Gruener	Willowbrook Inn	Plumbing Reinspection	Willowbrook Inn	\$ 5,700.00	C	08/08/16
16-290	08/31/16	Spirit Halloween	7125 Kingery	Re-occupancy	Spirit Halloween	\$ 200.00	C	08/31/16
16-259	08/01/16	Lake Hinsdale Tower	6340 Americana Dr.	Roof		\$ 50.00	R	08/01/16
16-270	08/01/16	S. Chirmwah	6821 Caitlin	Roof		\$ 35.00	R	08/01/16
16-268	08/01/16	K. McInrye	206 Somerset Road	Roof		\$ 35.00	R	08/01/16
16-271	08/08/16	Mike Cusick	133 Hill Road	Roof		\$ 35.00	R	08/08/16
16-295	08/19/16	John Palma	226 Rodgers Ct	Roof		\$ 35.00	R	08/18/16
16-288	08/19/16	Joan Kacmar	6520 Tennessee Ave	Roof		\$ 35.00	R	08/18/16
16-296	08/22/16	Mario Pardo	7205-7215 Birchwood	Roof		\$ 50.00	R	08/22/16
16-302	08/24/16	Lake Hinsdale Village	46 Portwine Rd	Roof		\$ 50.00	R	08/24/16
16-301	08/24/16	Lake Hinsdale Village	22 Windward Circle	Roof		\$ 50.00	R	08/24/16
16-300	08/24/16	Lake Hinsdale Village	12 Lakeview Court	Roof		\$ 50.00	R	08/24/16
16-299	08/24/16	Lake Hinsdale Village	34 Kyle Court	Roof		\$ 50.00	R	08/24/16
16-298	08/24/16	Lake Hinsdale Village	2 Kane Court	Roof		\$ 50.00	R	08/24/16
16-297	08/24/16	Lake Hinsdale Village	1 Kane Court	Roof		\$ 50.00	R	08/24/16
16-311	08/29/16	Laura Digangi	7811 Blackberry Lane	Roof		\$ 35.00	R	08/29/16
15-353	08/31/16	The Knolls	6178 Knoll Lane Ct	Roof		\$ 50.00	R	08/31/16
16-213	08/31/16	The Knolls	6171 Knoll Lane Ct	Roof		\$ 50.00	R	08/31/16
16-212	08/31/16	The Knolls	6183 Pinewood Ct	Roof		\$ 50.00	R	08/31/16
16-251	08/03/16	National Shopping	6938 Kingery Highway	Sign		\$ 850.00	R	08/03/16
15-037	08/17/16	Walgreens	501 Plainfield Rd	Sign	Walgreens	\$ 375.55	C	08/17/16
16-105	08/22/16	Sanjay Patel	6710 S. Madison	Single Family		\$ 15,286.71	R	08/22/16
16-304	08/24/16	James Hoffman	201 Hill Road	Water Heater Replace		\$ 50.00	R	08/24/16
16-249	08/01/16	Min Yan	137 Hill Road	Window Replacement		\$ 75.00	R	08/01/16
16-254	08/01/16	T. Banks	6141 Knollwood Road	Window Replacement		\$ 75.00	R	08/01/16

Permit	Date Issued:	Name:	Address:	Permit Purpose:	Business Name:	Fee:	RES / COMM:	Date Released:
16-280	08/10/16	Harry Sharp	7641 Blackberry Lane	Window Replacement		\$ 75.00	R	08/10/16
16-210	08/22/16	Patricia Seratt	6121 Bentley Ave	Window Replacement		\$ 75.00	R	08/22/16

Date	JNL	Type	Description	Reference #	Debits	Credits	Balance
Fund 01 GENERAL FUND							
08/01/2016			01-00-310-401 BUILDING PERMITS		BEG. BALANCE		(60,391.43)
08/01/2016	CR	RCPT	Building Dept. Invoice 08/01/2016			125.00	(60,516.43)
08/02/2016	CR	RCPT	Building Dept. Invoice 08/02/2016			4,035.00	(64,551.43)
08/03/2016	CR	RCPT	Building Dept. Invoice 08/03/2016			75.00	(64,626.43)
08/04/2016	CR	RCPT	Building Dept. Invoice 08/04/2016			5,485.04	(70,111.47)
08/04/2016	CR	RCPT	Building Dept. Invoice 08/04/2016			1,250.00	(71,361.47)
08/08/2016	CR	RCPT	Building Dept. Invoice 08/08/2016			9,178.49	(80,539.96)
08/08/2016	CR	RCPT	Building Dept. Invoice 08/08/2016			4,700.00	(85,239.96)
08/09/2016	CR	RCPT	Building Dept. Invoice 08/09/2016			100.00	(85,339.96)
08/09/2016	CR	RCPT	Building Dept. Invoice 08/09/2016			35.00	(85,374.96)
08/10/2016	CR	RCPT	Building Dept. Invoice 08/10/2016			955.00	(86,329.96)
08/11/2016	CR	RCPT	Building Dept. Invoice 08/11/2016			200.00	(86,529.96)
08/15/2016	CR	RCPT	Building Dept. Invoice 08/15/2016			75.00	(86,604.96)
08/17/2016	CR	RCPT	Building Dept. Invoice 08/17/2016			16,756.30	(103,361.26)
08/18/2016	CR	RCPT	Building Dept. Invoice 08/18/2016			125.00	(103,486.26)
08/19/2016	CR	RCPT	Building Dept. Invoice 08/19/2016			35.00	(103,521.26)
08/19/2016	CR	RCPT	Building Dept. Invoice 08/19/2016			235.00	(103,756.26)
08/22/2016	CR	RCPT	Building Dept. Invoice 08/22/2016			175.00	(103,931.26)
08/25/2016	CR	RCPT	Building Dept. Invoice 08/25/2016			15,028.81	(118,960.07)
08/26/2016	CR	RCPT	Building Dept. Invoice 08/26/2016			300.00	(119,260.07)
08/29/2016	CR	RCPT	Building Dept. Invoice 08/29/2016			585.00	(119,845.07)
08/30/2016	CR	RCPT	Building Dept. Invoice 08/30/2016			75.00	(119,920.07)
08/31/2016	CR	RCPT	Building Dept. Invoice 08/31/2016			225.00	(120,145.07)
08/31/2016			01-00-310-401	END BALANCE	0.00	59,753.64	(120,145.07)

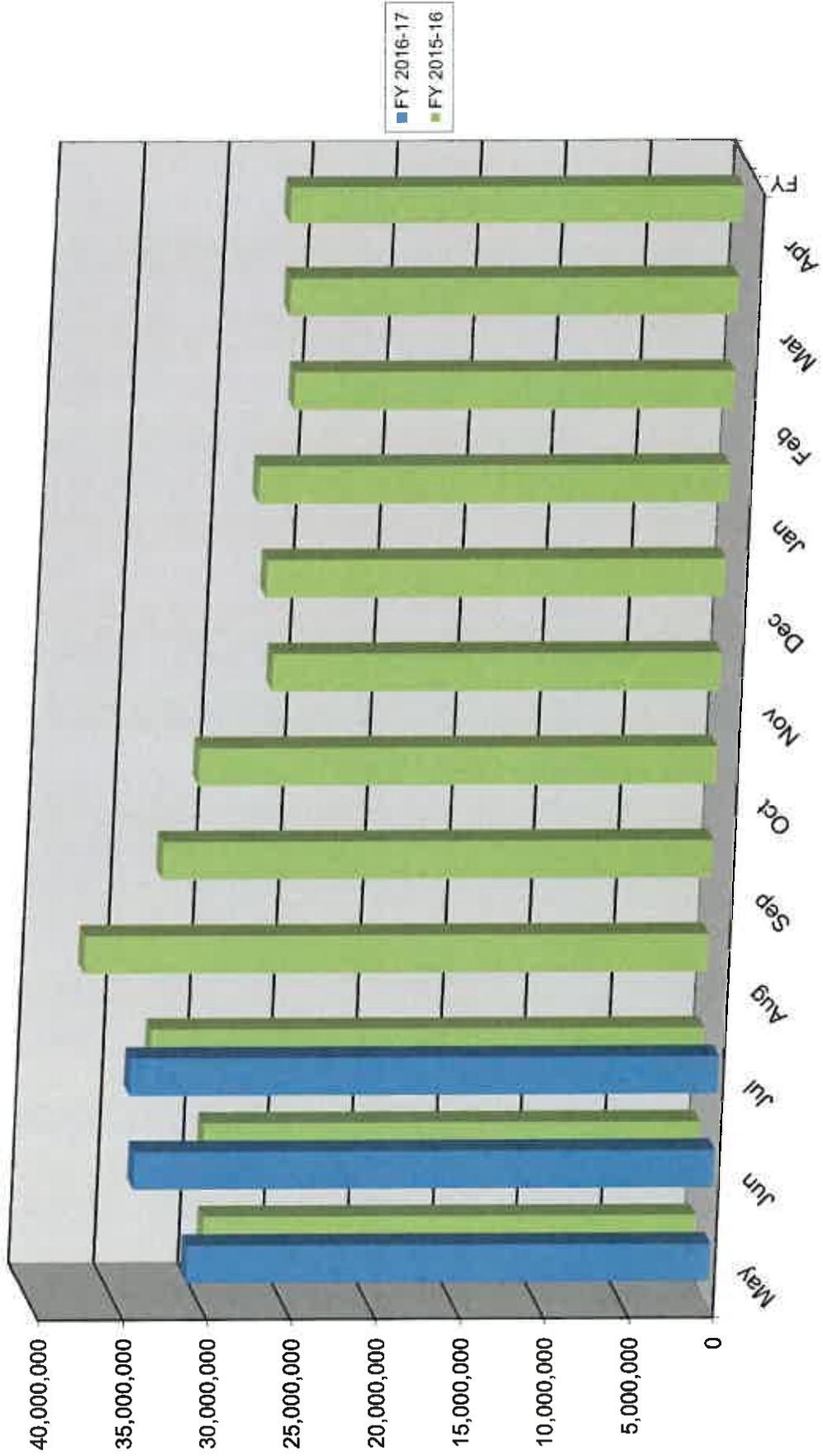
VILLAGE OF WILLOWBROOK - PUMPAGE REPORT  
TOTAL GALLONS PUMPED  
FY 2002/03 - FY 2016/17

Month	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17
May	32,267,000	33,518,000	35,018,000	35,919,000	35,162,000	36,696,000	33,890,000	31,322,000	31,715,000	30,725,000	34,220,000	30,860,000	29,547,000	29,213,000	31,048,000
June	38,911,000	38,691,000	35,447,000	48,511,000	42,471,000	43,700,000	33,817,000	32,087,000	31,799,000	32,620,000	44,635,000	31,512,000	32,193,000	29,447,000	34,451,000
July	52,100,000	39,116,000	41,248,000	52,479,000	43,279,000	44,574,000	41,463,000	36,819,000	38,513,000	41,371,000	49,498,000	39,106,000	33,122,000	32,813,000	34,898,000
August	44,167,000	40,433,000	41,059,000	47,861,000	41,114,000	38,778,000	43,017,000	38,516,000	38,745,000	35,639,000	40,272,000	41,448,000	32,796,000	36,985,000	
September	40,838,000	36,275,000	39,658,000	43,906,000	32,998,000	42,013,000	33,418,000	34,331,000	33,992,000	32,273,000	33,657,000	35,737,000	31,869,000	32,623,000	
October	33,128,000	31,667,000	33,765,000	35,009,000	31,937,000	34,612,000	30,203,000	28,919,000	33,789,000	29,892,000	30,283,000	29,226,000	28,728,000	30,690,000	
November	28,560,000	28,260,000	30,106,000	29,515,000	29,153,000	29,847,000	28,054,000	26,857,000	28,125,000	27,138,000	27,535,000	28,446,000	25,364,000	26,585,000	
December	30,503,000	29,133,000	32,786,000	31,086,000	30,102,000	31,435,000	29,568,000	28,931,000	29,257,000	28,643,000	27,863,000	29,847,000	26,710,000	27,194,000	
January	30,343,000	29,602,000	31,223,000	29,411,000	30,340,000	32,444,000	29,383,000	28,123,000	28,401,000	28,846,000	28,427,000	31,265,000	28,505,000	27,915,000	
February	27,216,000	28,755,000	26,768,000	27,510,000	29,078,000	29,470,000	26,629,000	25,005,000	24,988,000	26,635,000	24,308,000	29,230,000	25,484,000	26,048,000	
March	29,488,000	30,315,000	30,025,000	29,905,000	30,362,000	31,094,000	28,408,000	27,945,000	27,909,000	28,911,000	27,862,000	29,917,000	28,779,000	26,552,000	
April	29,845,000	29,350,000	29,478,000	30,452,000	29,468,000	30,239,000	27,193,000	27,793,000	27,145,000	34,220,000	27,514,000	28,101,000	25,255,000	26,791,000	
<b>TOTAL</b>	<b>417,366,000</b>	<b>395,115,000</b>	<b>406,581,000</b>	<b>441,564,000</b>	<b>405,464,000</b>	<b>424,902,000</b>	<b>385,043,000</b>	<b>366,648,000</b>	<b>374,378,000</b>	<b>376,913,000</b>	<b>396,074,000</b>	<b>384,695,000</b>	<b>348,352,000</b>	<b>352,856,000</b>	<b>100,397,000</b>

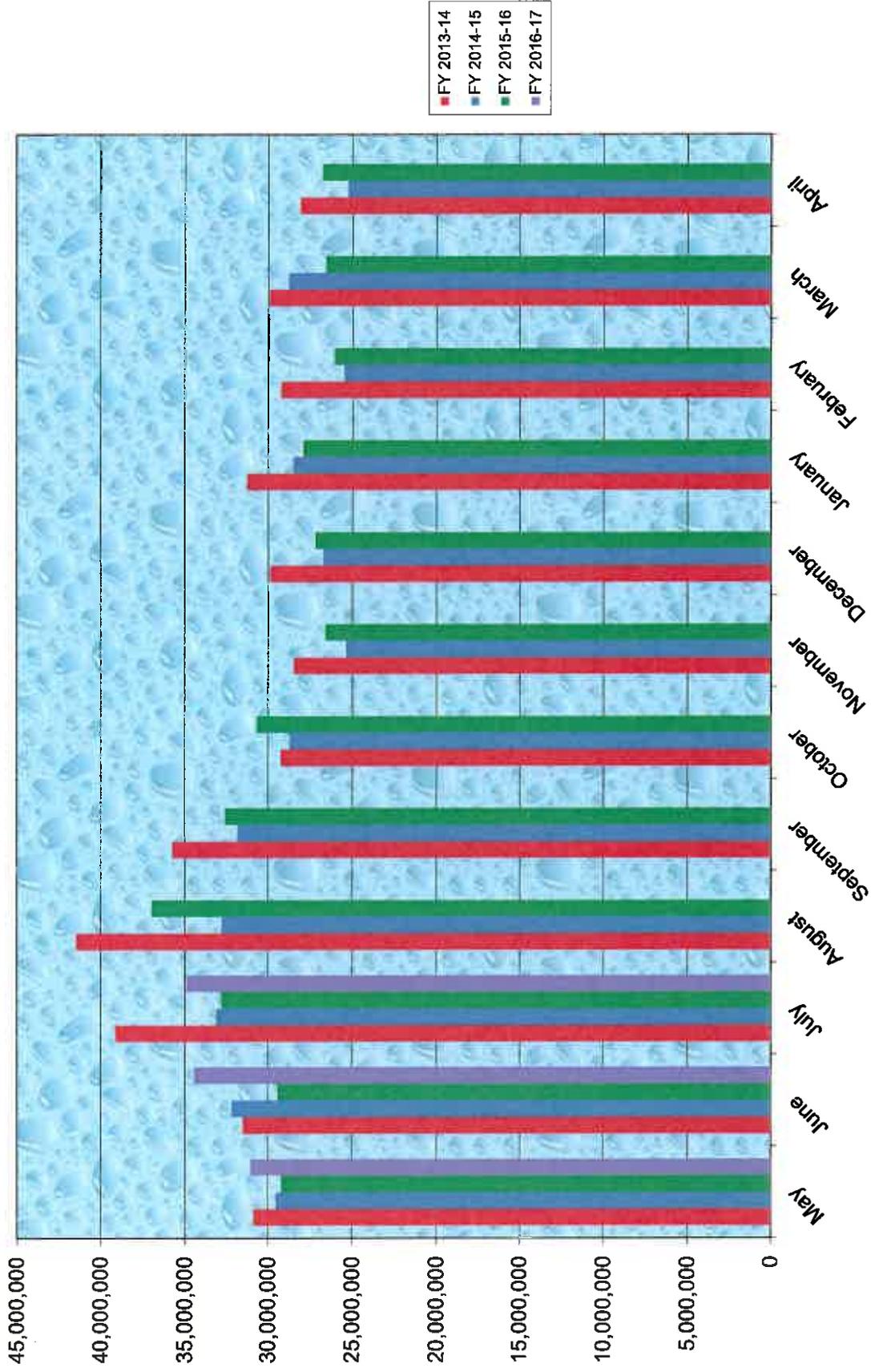
YEAR TO DATE LAST YEAR (gallons):	91,473,000
YEAR TO DATE THIS YEAR (gallons):	<u>100,397,000</u>
DIFFERENCE (gallons):	8,924,000
PERCENTAGE DIFFERENCE (+/-):	9.76%
FY16/17 PUMPAGE PROJECTION (gallons):	350,000,000
FY16/17 GALLONS PUMPED TO DATE:	<u>100,397,000</u>
CURRENT PERCENTAGE PUMPED COMPARED TO	<b>28.68%</b>

All table figures are in millions of gallons sold on a monthly basis per fiscal year.

Monthly Pumpage Chart



# Village of Willowbrook Pumpage Report



# CITY OF Willowbrook

## MONTHLY DATA REPORT

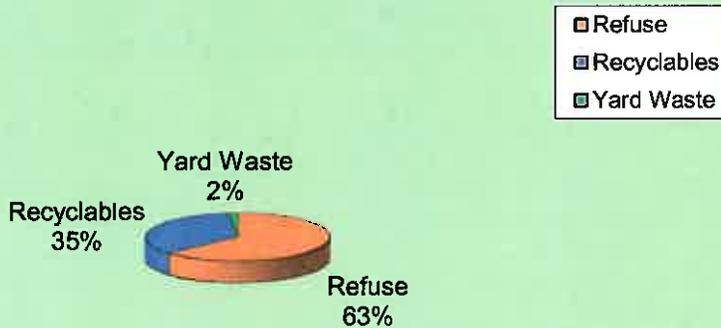
### Tons Collected by Month

	Tons Collected by Month			Recycling Detail	
	Refuse	Recyclables	Yard Waste	Paper Fiber	Commingled Containers
January-16	68.44	45.86		31.92	13.94
February-16	68.10	43.13		30.02	13.11
March-16	81.95	46.75		32.54	14.21
April-16	67.30	40.18	2.78	27.97	12.21
May-16	94.38	47.60	4.10	33.13	14.47
June-16	98.62	49.65	6.77	34.56	15.09
July-16	79.78	34.43	2.20	23.97	10.46
August-16				0.00	0.00
September-16				0.00	0.00
October-16				0.00	0.00
November-16				0.00	0.00
December-16				0.00	0.00
<b>Totals</b>	<b>558.57</b>	<b>307.60</b>	<b>15.85</b>	<b>214.12</b>	<b>93.48</b>
<b>Monthly Average</b>	<b>79.80</b>	<b>43.94</b>	<b>3.96</b>	<b>17.84</b>	<b>7.79</b>
<b>Weekly Average</b>	<b>18.41</b>	<b>10.14</b>	<b>0.91</b>	<b>4.12</b>	<b>1.80</b>

Email To:

[ghummel@willowbrook.il.us](mailto:ghummel@willowbrook.il.us)

Percentage of Materials Collected



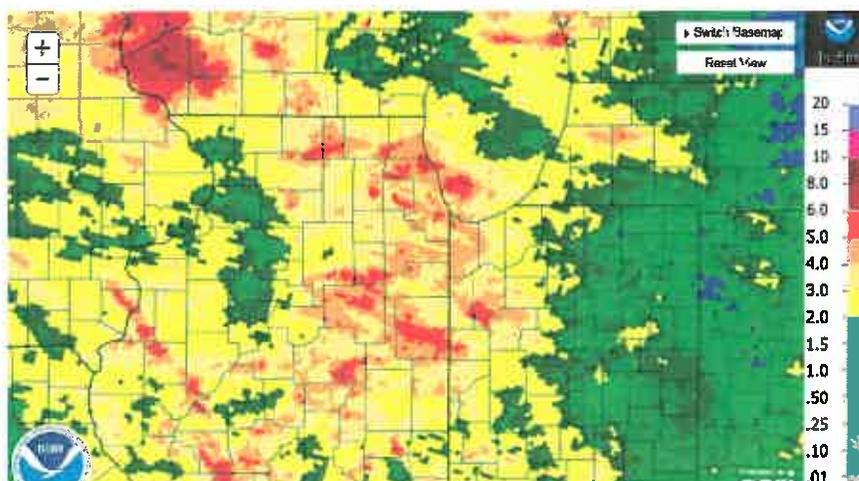
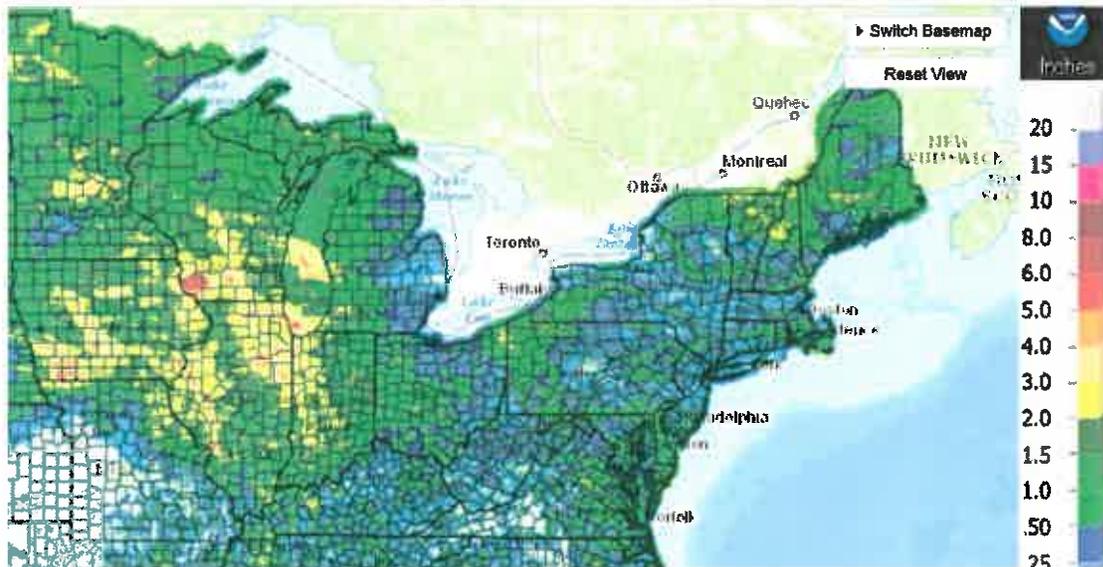


## Village of Willowbrook July 2016 - Status Report

### Season Perspective

Weather conditions critically affect the seasonal mosquito population. Excessive rainfall periods trigger hatches of floodwater mosquitoes (*Aedes vexans*), the dominant annoyance species in northern Illinois that has a flight range of 15 to 20 miles. The other target species is the northern house mosquito (*Culex pipiens*), the primary vector of West Nile virus (WNV) that flourishes under stagnant water drought conditions.

July 2016 was the third wettest July on record, in which, 7.1 inches of rain fell. Between July 17<sup>th</sup> and 24<sup>th</sup>, most of the Chicagoland area received over 3.0 inches of rain due to a series of heavy thunderstorms, as shown by the following map:





Over that 8 day period, harder hit communities received more rain than typically falls during the entire month of July. The average July rainfall amount is 3.7 inches. The intense heatwave during that period could have caused some of the rain to soak in, but a significant floodwater mosquito population could impact the area in early August.

Clarke operates a network of 140 New Jersey light traps in the Chicagoland area to monitor the seasonal mosquito population. Year-to-date, the numbers of floodwater mosquitoes have been below the typical amount trapped. The *Culex* numbers have been steady and the DuPage County WNV prediction model indicates the mosquito infection rate (MIR) is running above the historical average. August is primetime for WNV transmission and operations will focus on *Culex* larval development, and truck ULV adulticide applications will be recommended to suppress the adult mosquito population.

### **MOSQUITO-BORNE DISEASE UPDATE**

#### **West Nile Virus (WNV)**

In 2015 a total of 48 states and the District of Columbia reported West Nile virus (WNV) infections in people, birds, or mosquitoes in 2015. Overall, 2,060 cases of West Nile virus disease in people were reported to CDC, including 119 fatalities. Of these, 1,360 (66%) were classified as neuroinvasive disease (such as meningitis or encephalitis) and 700 (34%) were classified as non-neuroinvasive disease.

As of August 2<sup>nd</sup>, the Illinois Department of Public Health (IDPH) reported the following WNV information:

- 3 WNV+ human cases in downstate Illinois
- 22 counties WNV+ for mosquito, bird, horse or humans
- 3 WNV+ positive birds
- 114 WNV+ mosquito samples

#### **Zika Virus (ZIKV)**

As of July 27, 2016, the CDC reported 1,658 travel-associated human cases of ZIKV in the United States, 14 of which were sexually transmitted. New York, Florida and California and have confirmed the most ZIKV travel-associated cases (449, 307 and 87 cases, respectively), The State of Illinois has reported 23. For the first time, local transmission of ZIKV from mosquitoes to humans has documented in Miami, Florida in at least fifteen (15) people. Intensive larval and adult mosquito control measures will be performed to put maximum pressure on the *Aedes aegypti* population.

The U.S. territories (U.S. Virgin Islands, American Samoa, and Puerto Rico) have reported 4,729 ZIKV human cases, with 4,666 being diagnosed in Puerto Rico.



**Brood Prediction**

The floodwater mosquito (*Aedes vexans*) is the key nuisance species in the Chicagoland area. Distinct hatches of floodwater mosquito populations, or broods, are triggered by significant rainfall events. The Clarke Brood Prediction Model calculates peak annoyance periods based on rainfall and temperature data collected from weather stations in your area.

Weather Station Name	Rainfall Date	Rain Amount (Inches)	Brood Prediction Date
Du Page Co.	06/22/2016	0.43	07/10/2016
Du Page Co.	07/05/2016	0.79	07/22/2016
Du Page Co.	07/07/2016	0.85	07/23/2016
Du Page Co.	07/17/2016	1.16	08/01/2016
Du Page Co.	07/21/2016	1.11	08/06/2016
Du Page Co.	07/23/2016	1.25	08/06/2016
Du Page Co.	07/28/2016	0.61	08/11/2016
Du Page Co.	07/29/2016	0.53	08/12/2016

**Upcoming August Operations**

- 1 Catch Basin Treatment
- 2 Culex Inspections

**New Jersey Light Trap Counts**

(\*Red numbers indicate an annoyance level)

Trap Location	Jul 01	Jul 04	Jul 06	Jul 08	Jul 11	Jul 13	Jul 15	Jul 18	Jul 20	Jul 22	Jul 25	Jul 27	Jul 29
Willowbrook Community Park Midway Dr	0	1	0	1	1	3	2	3	3	2	3	13	4

\*Mal- Trap Malfunction

**Operation and Surveillance Reports:**

Below is a report outlining all services performed in the month of July. These services could include the following:

- **0956 N.J. Light Trap (5 day/wk – WMAD) - Seasonal Light Trap Service for adult mosquito population monitoring.**
- **1252 Complete Site Larval Insp Serv: Inspection service of all potential mosquito larvae development sites.**
- **1302 Targeted Site Larval Insp Serv: Inspection of all targeted larval development sites.**
- **1352 Larval Site Service Call: Special inspection of standing water for mosquito breeding per hot line request.**
- **1752 Vectobac (B.T.I.) BP Larv: Backpack larviciding for biological control of mosquito larvae sites. 2206 Natular T30 CB Bike: Catch Basin treatment for larval control.**
- **2202 5% Abate Helicopter Prehatch: Helicopter prehatch application for larval control.**
- **2888 Biomist 3+15 Truck ULV: Truck ULV application for adult mosquito control**



**Services Performed July 2016:**

<b>Service Item</b>	<b>Start Date</b>
ROS1252 - Complete Site Larval Insp Serv	07/07/2016
ROS2786 - Anvil Truck ULV Festival	07/13/2016
ROS1302 - Targeted Site Larval Insp Serv	07/19/2016



## Village of Willowbrook August 2016 - Status Report

### Season Perspective

Weather conditions critically affect the seasonal mosquito population. Excessive rainfall periods trigger hatches of floodwater mosquitoes (*Aedes vexans*), the dominant annoyance species in northern Illinois that has a flight range of 15 to 20 miles. The other target species is the northern house mosquito (*Culex pipiens*), the primary vector of West Nile virus (WNV) that flourishes under stagnant water drought conditions.

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In July and August, a series of 9 rains, totaling 7.76 inches at O'Hare, hatched floodwater mosquito populations across the Chicagoland area that increased annoyance conditions. Despite a brief cool-down, August 2016 averaged 76.6° or 3.5° above normal. This hot temperature pattern has been classic for WNV activity. There was a sharp increase in the DuPage County Model mosquito infection rate, and many WNV-positive mosquito pools were reported by Chicagoland agencies performing surveillance trapping. The DuPage Health Department increased their Personal Protection Index from LOW to MODERATE in late August, confirming the concern over WNV activity.

Late summer is still primetime for WNV transmission. Operations will continue to focus on *Culex* larval development, and truck ULV adulticide applications will be recommended to suppress the adult mosquito population.

### MOSQUITO-BORNE DISEASE UPDATE

#### West Nile Virus (WNV)

As of August 16, 2016, a total of 42 states have reported West Nile virus infections in people, birds, or mosquitoes in 2016. Overall, 213 cases of West Nile virus disease in people have been reported to the Centers for Disease Control & Prevention (CDC). Of these, 101 (47%) were classified as neuroinvasive disease (such as meningitis or encephalitis) and 112 (53%) were classified as non-neuroinvasive disease.

To date in 2016, the Illinois Department of Public Health (IDPH) reported the following WNV information:

- 5 WNV+ human cases in downstate Illinois
- 40 counties WNV+ for mosquito, bird, horse or humans
- 20 WNV+ positive birds
- 1,819 WNV+ mosquito samples



County	American Crow	Blue Jay	Other Birds	Mosquito Batches	Horse
COOK	0	1	0	1418	0
DEKALB	1	1	0	1	0
DUPAGE	0	0	0	114	0
GRUNDY	0	0	0	1	0
KANE	0	0	0	35	0
KANKAKEE	0	0	0	6	0
KENDALL	0	0	0	10	0
LAKE	0	0	0	75	0
MCHENRY	1	0	0	15	0
STEPHENSON	1	0	0	1	0
WILL	0	0	0	32	0
WINNEBAGO	1	0	0	5	0
TOTAL	12	7	1	1819	1

**Zika Virus (ZIKV)**

As of August 19<sup>th</sup>, the following chart summaries the number of ZIKV human cases in the United States and Territories (Puerto Rico, U.S. Virgin Islands, Guam, American Samoa, and Marshall Islands):

ZIKV CASE CATEGORY	UNITED STATES	TERRITORIES
Total	2,260	8,035
Pregnant Women	529	691

As of August 22<sup>nd</sup>, the Illinois Department of Public Health reported 51 travel-associated human cases. Local transmission of ZIKV from mosquitoes to humans has been confirmed in Miami-Dade County, Florida. Thirty-six human cases have been documented requiring the intensification of surveillance, aerial & ground, door-to-door larviciding and adulticiding efforts to control *Aedes aegypti*, the disease vector.



**Brood Prediction**

The floodwater mosquito (*Aedes vexans*) is the key nuisance species in the Chicagoland area. Distinct hatches of floodwater mosquito populations, or broods, are triggered by significant rainfall events. The Clarke Brood Prediction Model calculates peak annoyance periods based on rainfall and temperature data collected from weather stations in your area.

Weather Station Name	Rainfall Date	Rain Amount (inches)	Brood Prediction Date
Du Page Co.	07/17/2016	1.16	08/01/2016
Du Page Co.	07/21/2016	1.11	08/06/2016
Du Page Co.	07/23/2016	1.25	08/07/2016
Du Page Co.	07/28/2016	0.61	08/13/2016
Du Page Co.	07/29/2016	0.53	08/13/2016
Du Page Co.	08/20/2016	0.43	09/08/2016
Du Page Co.	08/26/2016	1.30	09/09/2016

**Upcoming September Operations**

1 Culex Inspection

**New Jersey Light Trap Counts**

(\*Red numbers indicate an annoyance level)

Trap Location	Aug 01	Aug 03	Aug 05	Aug 08	Aug 10	Aug 12	Aug 15	Aug 17	Aug 19	Aug 22	Aug 24	Aug 26	Aug 29	Aug 31
Willowbrook Community Park Midway Dr	4	19	13	5	14	7	19	8	3	4	1	7	11	4

\*Mal- Trap Malfunction



**Operation and Surveillance Reports:**

Below is a report outlining all services performed in the month of August. These services could include the following:

- **0956 N.J. Light Trap (5 day/wk – WMAD) - Seasonal Light Trap Service for adult mosquito population monitoring.**
- **1252 Complete Site Larval Insp Serv: Inspection service of all potential mosquito larvae development sites.**
- **1302 Targeted Site Larval Insp Serv: Inspection of all targeted larval development sites.**
- **1352 Larval Site Service Call: Special inspection of standing water for mosquito breeding per hot line request.**
- **1752 Vectobac (B.T.I.) BP Larv: Backpack larviciding for biological control of mosquito larvae sites.**
- **2009 Natular XRT CB Bike: Catch Basin treatment for larval control.**
- **2010 Natular XRT BYCB Bike: Backyard catch basin treatment for larval control.**
- **2202 5% Abate Helicopter Prehatch: Helicopter prehatch application for larval control.**
- **2206 Natular T30 CB Bike: Catch Basin treatment for larval control.**
- **2552 Merus Truck ULV: Truck ULV application for adult mosquito control**
- **2888 Biomist 3+15 Truck ULV: Truck ULV application for adult mosquito control**
- **2902 0.5% FLIT (Permethrin) BP Barr: Backpack barrier strip application to reduce adult mosquito reinfestation.**
- **2922 0.5% FLIT (Permethrin) BP Barr: Backpack barrier strip application to reduce adult mosquito reinfestation.**

**Services Performed August 2016:**

Service Item	Start Date
ROS1352 - Larval Site Service Call	08/05/2016
ROS2888 - Biomist 3+15 Truck ULV	08/09/2016
ROS1305 - Culex Site Inspection Service	08/11/2016
ROS1305 - Culex Site Inspection Service	08/25/2016