

**VILLAGE OF LINCOLNWOOD
PRESIDENT AND BOARD OF TRUSTEES
COMMITTEE OF THE WHOLE MEETING
VILLAGE HALL COUNCIL CHAMBERS
6:30 P.M., JUNE 4, 2013**

AGENDA

- I) Call to Order**
- II) Roll Call**
- III) Minutes** – May 21, 2013 Committee of the Whole Meeting
- IV) Regular Business**
 - 1) Discussion Concerning the Village’s Current Intergovernmental Partnerships (6:30 – 7:15 p.m.)
 - 2) Discussion Concerning the Posting of Public Health Restaurant Inspections (7:15 – 7:30 p.m.)
- V) Public Comment**
- VI) Adjournment**

DATE POSTED: May 31, 2013

**VILLAGE OF LINCOLNWOOD
PRESIDENT AND BOARD OF TRUSTEES
COMMITTEE OF THE WHOLE MEETING
VILLAGE HALL COUNCIL CHAMBERS
MAY 21, 2013**

DRAFT

Call to Order

President Turry called the Committee of the Whole meeting of the Lincolnwood Board of Trustees to order at 6:30 P.M., Tuesday, May 21, 2013 in the Council Chambers of the Municipal Complex, 6900 North Lincoln Avenue, Village of Lincolnwood, County of Cook and State of Illinois.

Roll Call

On roll call by Village Clerk Beryl Herman the following were:

PRESENT: President Turry, Trustees Leftakes, Elster, Klatzco, Cope, Sprogis-Marohn (7PM),

ABSENT: Trustee Patel.

A quorum was present. Also present: Timothy Wiberg, Village Manager; Douglas Petroschius, Assistant Village Manager; Charles Meyer, Assistant to the Village Manager; Timothy Clarke, Director of Community Development; Aaron Cook, Development Manager; Robert Merkel, Finance Director; Melissa Steirer, Management Analyst; Ashley Engelmann, Assistant to the Public Works Director; Plan Commission Chair Paul Eisterhold; Representatives of School District 74.

Approval of Minutes

The minutes of the May 7, 2013 Committee of the Whole meeting were distributed in advance of the meeting and were examined. Trustee Elster moved to approve the minutes as presented. Trustee Leftakes seconded the motion.

The motion passed by voice vote.

Regular Business

1. Discussion Concerning the Proposed Devon/Lincoln Tax Increment Financing District

Attorney Elrod noted that Trustee Klatzco is a property/business owner in this proposed TIF area. While no votes are taken at Committee of the Whole, Mr. Elrod recommended that Trustee Klatzco recuse himself from this discussion, leave the dais and either leave the room or sit in the audience. Trustee Klatzco left the dais and took a place in the audience.

Mr. Wiberg summarized the background and current status of this item.

A map was displayed indicating the existing and future TIF Districts and Business Areas.

Status

- Since July 2012, the Village has been working on creating a new TIF District
- There have been approximately 15 public meetings where the proposed District has been discussed
- Staff and consultants from each taxing body have met several times to attempt to address concerns of the taxing bodies
- The goal is to draft an Intergovernmental Agreement which meets the needs of each taxing body
- On March 4, a proposal was received from SD74
- On March 5, the Village Board began to discuss the proposal, but determined that there was not ample time to adequately review and consider the issues
- It was decided to wait until after the municipal election for further discussion

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Upcoming Meetings

- Next Joint Review Board Meeting: June 10
- Next Village Board Public Hearing: June 18
- Elected Officials Sub-Committee (Village to be represented by Trustees Elster and Patel)

School District 74 Proposal

*Same proposal for NEID TIF would pertain to Touhy/Lincoln TIF

- Statutory limit – 2034

*Devon/Lincoln TIF

- All increment generated in the first five years not associated with a construction project will be declared surplus
- All other increment must be spent as follows:
 - 30% annually be surplus
 - 70% of remaining increment restricted as follows
 - utilized to incentivize private investment
 - for public projects tied to private investment
 - up to 33% can be used for public projects

*No porting of funds from Devon/Lincoln TIF to other TIFS

Potential Village Response

*Touhy/Lawndale TIF:

- Agree to terminate TIF once obligation to Lowes is complete

*NEID TIF:

- Declare grant revenue as surplus and distribute to taxing bodies over a four year period

*Devon/ Lincoln TIF

- Consider reducing the infrastructure budget by \$2.5 million
- Declare 10% of increment annually as surplus

Maps were displayed of existing and future TIF Districts and Business areas.

Discussion ensued regarding the Sub Committee with requests for clarification from Trustee Cope. Mr. Wiberg, Attorney Elrod and Trustee Elster offered information and clarification.

Mr. Elrod stated that only the June 18th meeting must take place. Consensus was to continue this discussion to the Committee of the Whole meeting of June 18.

2. Discussion Concerning the Village Logo

This item was presented by Melissa Steirer. Staff researched this and offered three options for consideration. After discussion the consensus was Option #1 in green, without the text below the logo.

Thanks to Staff for this work.

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Adjournment

At 7:20 P.M. Trustee Elster moved to adjourn Committee of the Whole. Trustee Leftakes seconded the motion. The motion was approved by voice vote.

Respectfully Submitted,

Beryl Herman
Village Clerk

MEMORANDUM

TO: President Turry and Members of the Village Board

FROM: Timothy C. Wiberg, Village Manager

DATE: May 31, 2013

SUBJECT: **June 4 Committee of the Whole Meeting**

As a reminder, the Committee of the Whole (COTW) meeting is scheduled for **6:30 p.m.** on Tuesday evening. Dinner will be available beginning at 5:45 p.m. in the Village Hall Board Conference Room. Please find below a summary of the items on the COTW agenda:

1) **Discussion Concerning the Village's Current Intergovernmental Partnerships (6:30 – 7:15 p.m.)**

The Village participates in 14 intergovernmental consortiums. The advantages of these partnerships typically include cost savings through the economics of scale resulting from the pooling of resources, the ability to share knowledge and resources with similar governmental bodies delivering similar services, and the ability to have a regional voice on issues germane to suburban municipalities. Staff discussed these partnerships with the Board a year ago and the Board requested that this presentation be made annually. [Attached](#) is a memorandum from the Management Analyst summarizing the intergovernmental partnerships for which the Village is currently involved. On Tuesday evening, staff will discuss the nature of these partnerships and the value they bring to the Village.

2) **Discussion Concerning the Posting of Public Health Restaurant Inspections (7:15 – 7:30 p.m.)**

At its COTW meeting of April 2 the Board considered a proposal from staff to begin the practice of posting restaurant health inspection results, either at the restaurant itself or online. The Board directed that the issue be brought to the Economic Development Commission (EDC) for its input on the impact this practice could have on restaurants in the Village. At its May meeting, the EDC discussed this issue. [Attached](#) is a memorandum from the Assistant Village Manager summarizing this issue and the discussion held at the EDC meeting.

If you should have any questions concerning these matters, please feel free to contact me.



MEMORANDUM

TO: Timothy C. Wiberg, Village Manager

FROM: Melissa Steirer, Management Analyst

DATE: May 28, 2013

SUBJECT: Intergovernmental Consortiums Status Report

At the June 5, 2012 Committee of the Whole meeting, the Village Board reviewed an Intergovernmental Consortiums Status Report for the year, and asked that this become an annual report. For this reason, staff prepared the following report on existing intergovernmental consortiums. For the purpose of this report, intergovernmental consortiums were defined as official agreements with other municipalities in which the intergovernmental organization delivers a specified service and oversees a pool of funds collected from each participating municipality. A Board of Directors oversees the organization and each municipality has one representative on the Board.

The Village participates in intergovernmental consortiums in order to utilize economies of scale to receive better pricing for services than if the Village were to seek pricing by itself (e.g. insurance, geographical information systems). The Village also participates in consortiums because they enable the Village to share resources with other municipalities in order to provide enhanced services to residents (i.e. NIPAS, MABAS).

Currently the Village maintains this type of agreement with 14 different consortiums. Attached is a list of all intergovernmental consortiums, sorted by the amount of Village contribution.

Attachments:
Intergovernmental Consortiums Inventory

Intergovernmental
Consortiums Inventory

Agency	Consortium Description	Consortium Total Funds	Village Contribution	Number of Members	Date the Consortium was Established	Date the Village joined	Years of Village Participation	Consortium Meeting Schedule	Consortium Member Representatives	Village Representative
North Suburban Employee Benefits Co-Operative (NSEBC)	Provides full-time employee health insurance and benefits consulting	\$7,512,244	\$857,725	9	1987	1987	26	Quarterly	Municipal employee	Assistant Village Manager
Solid Waste Agency of Cook County (SWANCC)	Provides solid waste management services, programs, and resource materials	\$15,000,000	\$290,000	23	1988	1988	25	Monthly	Elected official, municipal employee	Mayor Jerry Turry, Village Manager
Intergovernmental Risk Management Agency (IRMA)	Provides risk management training and funds property/ casualty/ workers' compensation/ unemployment claims	\$135,000,000	\$240,000	70	1979	1989	24	Quarterly	Municipal employee	Finance Director
Maine Niles Special Recreation Association (MNASR)	Provides recreation services for residents with special needs	\$1,900,000	\$128,000	7	1972	1972	41	Monthly	Municipal employee	Director of Parks and Recreation
Regional Emergency Dispatch (RED Center)	Provides closest fire station response for fire and EMS calls	\$4,000,000	\$140,000	18	1977	2002	11	Monthly	Elected official, municipal employee	Trustee, Fire Chief
Northeastern Illinois Regional Crime Laboratory (NIRCL)	Provides forensic analysis, drug destruction, police training, and gun destruction	\$1,231,000	\$18,700	41	1968	1991	22	Every six months	Municipal employee	Police Chief
Northeastern Illinois Public Safety Training Academy (NIPSTA)	Provides educational and training programs for fire, police, EMS, and public works personnel	\$1,600,000	\$12,785	29	2001	2001	12	Monthly	Municipal employee	Village Manager
Northwest Municipal Conference (NWMC)	Provides information on best practices, joint purchasing programs, interagency collaborating and is an advocate for the Village's best interests	\$1,275,000	\$6,100	43	1958	1986	27	Monthly	Elected official, municipal employee	Mayor Turry, Village Manager
North Regional Police Assistance Consortium (NORPAC)	Provides a police radio system, a major crimes task force, and general mutual aid	\$200,000	\$5,700	13	1987	1987	26	Quarterly	Municipal employee	Police Chief
Mutual Aid Box Alarm System (MABAS)	Provides a statewide mutual aid response system for fire, EMS, and specialized incident teams.	\$244,000	\$5,300	1,000	1960	1989	24	Monthly	Municipal employee	Fire Chief
North East Multi-Regional Training (NEMRT)	Provides various training programs for Police staff	\$3,036,000	\$5,000	313	1983	1986	27	Quarterly	Municipal employee	Police Chief
Northern Illinois Police Alarm System (NIPAS)	Provides closest police station response for police calls	\$336,550	\$4,375	93	1987	1987	26	Yearly	Municipal employee	Police Department Staff
North Regional Major Crimes Task Force (NORTAF)	Provides specialized major crime task forces	\$52,000	\$4,100	13	1997	1997	16	Quarterly	Municipal employee	Police Lieutenant
Geographic Information Systems Consortium (GIS)	Provides specialized GIS professionals, develops mapping tools and offers joint purchasing opportunities	\$30,000*	\$1,100*	22	1999	2005	8	Bi-Monthly	Municipal employee	Assistant to the Public Works Director

* Costs are for shared initiatives such as GotoMeeting and ESRI market data subscription services. GIS professionals are contracted with members directly on an annual basis. The current contract was adopted on April 17, 2012 for an amount not to exceed \$41,204.



MEMORANDUM

TO: Timothy Wiberg, Village Manager

FROM: Douglas Petroschius, Assistant Village Manager

DATE: May 30, 2013

SUBJECT: Posting of Restaurant Health Inspections Online & Onsite

On a semi-annual basis the Village inspects its 73 restaurants and food establishments in order to ensure food is prepared in a healthy manner. Each inspection is performed by a Cook County Health Inspector who develops a report which is provided to the food establishment and archived at Village Hall. Recently staff discovered that some municipalities proactively provide health inspection data to the public in order to provide consumers with additional information about where they dine and to increase compliance with health regulations. This information is made available either on the municipality's website or displayed in a noticeable area at the food establishment.

Current Health Inspection Scoring System

The Village contracts with the Cook County Department of Public Health to perform health inspections on each food establishment two times per year. An inspection form is generated at the end of the inspection. This inspection form totals the number of violations made. The total weighted number of violations is subtracted from 100 for a rating score.

In years past the Village has increased the threshold for passing a restaurant health inspection to a level greater than what is required by Cook County. The following is the Village's scoring system:

- 80 - 100 points = Pass and continue operations
- 79 - 61 = Failed inspection notice and re-inspection inquired within two weeks
- 60 or less = Immediate closure

EDC Input

Although there are no major challenges facing the Village's health inspection program, staff sought direction from the Village Board at its April 2, 2013 Committee of the Whole meeting to determine if the Village should post health inspection information online or onsite. At that

meeting no decision was made and the matter was deferred to the Economic Development Commission (EDC) for input. The EDC considered this matter at their May 22, 2013 meeting. In their deliberations the EDC concluded that posting health inspection scores onsite would be beneficial to the Village as it would help the community retain high-performing food establishments. However, the EDC indicated that since the public is not familiar with the Village's scoring system, onsite posting of health inspection scores would not be an effective means of communicating whether a food establishment received a good score.

Instead the EDC recommended by a vote of 5-0 the posting of health inspection grade cards onsite in the form of the following letter grade system:

- A - 90 – 100
- B - 80 – 89
- C - 61 – 79 (Re-inspection Required)

The EDC determined that no letter grade was required for receiving an inspection score of 60 or less since per Village Ordinance such a score results in immediate closure of the food establishment and a notice is affixed to all public entrances of the food establishment.

Two members of the public attended the EDC meeting. Trustee Klatzco attended as the proprietor of Bunny Hutch, a food establishment in the Village. Trustee Klatzco indicated no opposition to the posting of health inspection scores onsite but did raise concerns with how the inspections were performed.

Also in attendance was Mary Wilkie, Director of Education for the Illinois Restaurant Association. Ms. Wilkie did not object to the posting of health inspection results onsite but preferred that the information be represented in a "Pass/Fail" method.

If approved letter grades would be posted in a prominent location in the food establishment. Attached is a draft grade card staff developed based on the EDC's recommendation.

Options

The Village has the following options regarding this topic:

1. Maintain the status quo of making health inspections available only through a FOIA request
2. Publish inspection scores on the Village's website
3. Publish inspection scores on the site of the food establishment
4. Accept the recommendation of the EDC and publish letter grades on the site of the food establishment

If options three or four are pursued staff recommends an outreach process be conducted to solicit input from the food establishments in the Village.

Please contact me if you have any questions.

Enclosures: Conceptual Draft Sanitary Inspection Grade Posting
Posting Health Inspection Reports Memo – March 26, 2013
Palatine Research Results – April 22, 2013

A	90 – 100
B	80 – 89
C	61 – 79 (Re-inspection Required)

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SANITARY INSPECTION GRADE

On its most recent food-safety inspection this establishment received a grade of:



RE-INSPECTION REQUIRED? _____ YES _____ NO

FOOD ESTABLISHMENT NAME: _____

DATE ISSUED: _____ INSPECTOR'S NAME: _____

For additional information or a copy of an inspection report call (847) 745-4717 or visit www.lincolnwoodil.org.



MEMORANDUM

To: Douglas Petroschius, Assistant Village Manager
From: Andrea Litzhoff, Community Development Intern
Date: March 26, 2013
Re: Posting Health Inspection Reports

Current Restaurant Health Inspection Procedures

The Village of Lincolnwood contracts with the Cook County Department of Public Health to perform health inspections on Lincolnwood food establishments twice a year. A Public Health Inspector inspects food establishments once every six months. An inspection form is generated at the end of the inspection. This inspection form totals the number of violations made. The total weighted number of violations is subtracted from 100 for a rating score.

Violations can be very serious such as vermin infestation to less serious infractions including failure to provide lockers for employees. The table below defines the violation type and required action:

Violation	Action
1,2, or 3 point violation	Correct violation ASAP
4 or 5 point violation	Correction violation in 10 days
60 or less total inspection score	Restaurant closes and takes corrective action within 48 hours
Two consecutive scores of 79 or less	Restaurant closes and takes corrective action within 48 hours
Score of 79 or less	Owner must correct violations; Reinspection required

Health inspection forms are public information, but food establishment owners are not required to make them public on site. Citizens can request health inspection reports of a food establishment by submitting a FOIA request. Often times, business owners or parent companies of restaurants will request health inspection reports, but very rarely do citizens request health inspection reports.

Grade Cards in the United States

A grade card is a document or poster for public view that relays a food establishment's health inspection rating or ranking. A grade card conveys the hygiene of the establishment to the public. According to the National Environmental Health Association, posting health inspection grade cards has been most commonly implemented at the county or city level. Health inspection grade cards are posted on site to enhance the transparency of restaurant and eating establishment hygiene levels.

Public Health Benefits of Posting Health Inspection Grade Cards

Research has linked positive public health outcomes to posting inspection grade cards in restaurants. Los Angeles County started requiring the posting of health inspection scores publicly in 1998. A study by the published by the National Environmental Health Association titled *Impact of Restaurant Hygiene Grade Cards on Foodborne-Disease Hospitalization in Los Angeles County* (Simon et al. 2005) linked a 13.1% decrease in the number of foodborne illnesses sustained over two years. The results were a positive intervention for reducing foodborne diseases linked to the posting of grade cards.

Another study on Los Angeles County, *The Effect of Information on Product Quality: Evidence from Restaurant Hygiene Grade Cards* by Jin and Leslie (2003), determined that in Los Angeles County the posting of health inspections caused

- restaurant health inspection scores to increase;
- consumer demand to become sensitive to changes in restaurants' hygiene quality;
- and the number of foodborne illness hospitalizations to decrease.

Jin and Leslie's results found that posting health inspection grade cards caused restaurants to make hygiene quality improvements. In addition, health inspection grade cards magnify economic incentives for good-quality hygiene because customers become sensitive to scores. In this study, Jin and Leslie found 5.7% revenue gains for restaurants that received and publicized A scores. There was also a slight increase for restaurants that received B scores. Economically, the grade cards may create a demand for good-hygiene restaurants.

Chicago, Illinois

The City of Chicago posts their health inspections online through the City of Chicago data portal. The restaurants' health inspection reports are ranked by risk factor. Establishments are categorized to their risk of adversely affecting the public's health. The frequency of inspection is tied to this risk. **Risk 1** establishments are considered to be **high-risk** and have complex menus with more risky food handling practices, whereas, **Risk 3** establishments are considered to be **low-risk** and have food that may be packaged in a commercially inspected facility or are nonperishable. Restaurants can "Pass", "Pass w/ condition" or "Fail" an inspection. This information is reported on the data portal ([City of Chicago Food Inspections Data Portal](#)).

Palatine, Illinois

Palatine has been requiring food establishments to post their scores for years. According to the Palatine Village Code (11-18-B),

“The food dealer’s current inspection score posting including the last three routine inspection scores and the dates of inspection must be displayed in a prominent location and within a reasonable proximity of the establishment’s front entrance on a form provided by the Division of Environmental Health.”

Palatine posts on site the most current health inspection score. Their online posting and posting form is attached. This model has been successful for Palatine. Palatine officials stated that the only people unhappy with the postings are restaurant owners who receive low scores that require reinspections. In Palatine, if a restaurant needs a reinspection, the reinspection score does not change the original score that must be posted. In effect, the original score even if it is low must stay posted. Restaurant owners do not like this policy, because after they have corrected the violations, they would like to have a new score posted reflecting the corrected violations.

Palatine officials stated that it is their opinion that the required health inspection postings are not a barrier for attracting new economic development and food establishments.

Champaign-Urbana Public Health District

Public health officials have been studying for almost three years the best way publicize restaurant health inspection results. In September, the Champaign-Urbana Public Health District started posting online the health status of restaurants online. Health status clusters restaurants of certain scores into a group. Depending on the score generated from the health inspection, a restaurant’s health status is either classified as “good standing” or “reinspection required”. By grouping restaurants into a health status category, specific scores are not available for public view. Champaign-Urbana publishes an online report displaying a restaurant’s health status.

Considerations

Below are considerations for making food establishment health inspection reports available to the public:

1. Require food establishments to post health inspection scores on site
2. Post most current health inspection scores online
3. Publish health inspection scores in biannual press release/report to Village Board
4. Maintain its current practice

The benefits of posting health inspections include a decrease in foodborne illnesses, improved hygiene in restaurants, restaurant inspection scores increased, and consumers became sensitive to restaurant health inspection scores. After researching food inspection scores of Lincolnwood restaurants, a posting system like Palatine’s may help increase

food inspection scores and improve the hygiene of restaurants. Publishing health inspection information online is an inexpensive method to publicize inspections. Research suggests that posting inspection scores online or on site could increase the scores of food establishments and enhance hygiene at restaurants.

Attachments

- 1. Sample Health Inspection Report used by the Village**
- 2. Palatine Online Posting Page**
- 3. Palatine Posting Form**
- 4. Palatine Code Sections**

- Food Service Establishment
- Retail Food Store
- Temporary
- Mobile

COOK COUNTY
DEPARTMENT OF PUBLIC HEALTH
 1010 Lake Street, Suite 300
 Oak Park, Illinois 60301-1133
 Phone: 708-492-2000

Establishment Number Contract
 Original Inspection
 Follow-up Inspection
 Other _____

I - Follow Up

RETAIL FOOD SANITARY INSPECTION REPORT

Name of Establishment _____ Address _____
 Owner or Operator _____ City Lislewood Zip Code 60712

Based on an inspection this day, the items marked below identify violations of the Illinois Food, Drug and Cosmetic Act and/or the Sanitary Inspection Law and Rules promulgated under these acts. Failure to correct these violations within the time specified may result in prosecution under the Enforcement Provisions of these acts. * = Critical Items Requiring Immediate Correction.

ITEM	X	WT	DESCRIPTION	ITEM	X	WT	DESCRIPTION	ITEM	X	WT	DESCRIPTION
			FOOD								
*1		5	Source, Wholesome, No Spoilage	18		1	Pre-flushed, scraped, soaked	34		1	Outside storage area, enclosures properly constructed, clean, controlled incineration
2		1	Original Container, Properly Labeled	19		2	Wash, rinse water: clean, proper temperature				INSPECT, RODENT ANIMAL CONTROL
			FOOD PROTECTION	*20		4	Sanitization rinse: clean, temperature concentration				
*3		5	Potentially hazardous food meets temperature requirements during storage, preparation, display, service and transportation	21		1	Wiping cloths, clean, use restricted	*35		4	Presence of insects/rodents -- outer openings protected, no birds, turtles, other animals
*4		4	Facilities to maintain product temperature	22		2	Food-contact surfaces of equipment and utensils clean, free of abrasives and detergents				FLOORS, WALLS AND CEILINGS
5		1	Thermometers provided and conspicuous	23		1	Non-food contact surfaces of equipment and utensils clean	36		1	Floors, constructed, drained, clean, good repair, covering installation, dustless cleaning methods
6		2	Potentially hazardous food properly thawed	24		1	Storage, handling of clean equipment -- utensils				
*7		4	Unwrapped and potentially hazardous food not reserved, cross contamination	25		1	Single-service articles, storage, dispensing	37		1	Walls, ceiling, attached equipment, constructed good repair, clean surfaces, dustless cleaning methods
8		2	Food Protection during storage, preparation, display service and transportation	26		2	No re-use of single-service articles				LIGHTING
9		2	Handling of food (ice) minimized, methods				WATER				
10		1	Food (ice) dispensing utensils properly stored	*27		5	Water source, safe: Hot and cold under pressure				
			PERSONNEL				SEWAGE	38		1	Lighting provided as required -- Fixtures shielded
*11		5	Personnel with infections restricted				Sewage				VENTILATION
*12		5	Hand washed and clean, good hygiene practices	28		4	Sewage and waste water disposal				
13		1	Clean clothes, hair restraints				PLUMBING	39		1	Rooms and equipment -- vented as required
			FOOD EQUIPMENT AND UTENSILS	29		1	Installed, maintained				DRESSING ROOMS
14		2	Food (ice) contact surfaces: designed, constructed, maintained, installed, located	*30		5	Cross-connection, back siphonage, back flow	40		1	Rooms clean, lockers provided, facilities clean
15		1	Non-food contact surfaces: designed, constructed, maintained, installed, located				TOILET AND HAND-WASHING FACILITIES				OTHER OPERATIONS
16		2	Dishwashing facilities: designed, constructed, maintained, installed, located, operated	*31		4	Number, convenient, accessible, designed, installed	*41		5	Toxic items properly stored, labeled and used
17		1	Accurate Thermometers, chemical test kits provided, gauge cock	32		2	Toilet rooms enclosed, self-closing doors, fixtures, good repair, clean; Hand cleanser, sanitary towels/hand drying devices provided, proper waste receptacles, tissue	42		1	Premises, maintained, free of litter, unnecessary articles, cleaning/maintenance equipment properly stored, authorized personnel
							GARBAGE AND REFUSE DISPOSAL	43		1	Complete separation from living/sleeping quarters, laundry
				33		2	Containers or receptacles covered, adequate number, insect/rodent proof, frequency, clean	44		1	Clean, soiled linen properly stored
								45		1	Management personnel certified Yes <input checked="" type="checkbox"/> No _____

Temperatures: Temp/PPM Chemical wiping bucket 100ppm Cl- Hot Foods rice 135°F Cold Foods chicken 41°F
wonton soup 185°F beef 41°F
fried rice 175°F raw beef 40°F

Manager Certification No: _____

ITEM	Remarks and Recommendations for Corrections	CORRECT BEFORE
	<i>Conducted follow up inspection. See original routine inspection report dated 4/10/12.</i>	
	<i>All violations from 4/10/12 corrected, except:</i>	
<i>22</i>	<i>Unclean knives stored as clean. Wash knives, utensils more thoroughly, rinse, sanitize.</i>	
<i>36</i>	<i>Floor unclean under stand up cooler. Clean.</i>	

Report and Instructions Received By _____ (SIGNATURE OF OWNER OR REPRESENTATIVE)
 Date _____ Time _____ A.M. _____ P.M. Sanitation Score (97) (100 Minus Demerits)
 By Kate Haley 847-818-2854 (INSPECTOR)

Village of Palatine Food Establishment Inspection Score Listing

This information reflects the most recent food establishment routine inspection sanitation score.

<u>Establishment</u>	<u>Address</u>	<u>Score</u>
7-11 #30135	799 W NORTHWEST HWY	90
7-ELEVEN #13413G	753 W PALATINE RD	96
A+ DAY SCHOOL	1532 N RAND RD	100
A+ DAY SCHOOL #2	865 N STERLING AV	94
A+ DAY SCHOOL AFTER SCHOOL ZONE	1270 W NORTHWEST HWY	100
AFC SUSHI @ JOE CAPUTO'S #1	2070 N RAND RD	91
ALLEY 64 BAR & GRILL	2001 N RAND RD	86
ALONDRA BAKERY, INC.	1629 N BALDWIN RD	94
AMERICAN LEGION POST 690	122 W PALATINE RD	94
ANGEL'S TACOS RESTAURANT	279 W DUNDEE RD	94
APPLEBEE'S	741 E DUNDEE RD	87
ARBY'S ROAST BEEF	139 N NORTHWEST HWY	86
ARTISTIC CUISINE	16 S BOTHWELL ST	94
ASAHI JAPANESE RESTAURANT	851 N QUENTIN RD	97
ASIAN ISLAND	1202 E DUNDEE RD	76
BAKERS SQUARE #220209	270 E NORTHWEST HWY	98
BAUER'S BRAUHAUS	45 W SLADE ST	91
BBQ PATIO	828 S HICKS RD	89
BEN & JERRY'S	807 N QUENTIN RD	99
BILLY'S HOT DOG & BEEF	52 W ILLINOIS AV	87
BILLY'S PANCAKE HOUSE	440 W NORTHWEST HWY	91
BRANDI'S BANQUET	1170 E DUNDEE RD	97
BRANDT'S - THE LITTLE CAFE	807 W NORTHWEST HWY	89
BROTHER'S RIBS	758 W EUCLID AV	86
BROWN'S CHICKEN	301 E NORTHWEST HWY	78

1 2 3 4 5 6 7 8 9 10

For further information contact the Environmental Health Division - (847) 359-9090.

**FOOD ESTABLISHMENT
INSPECTION SCORE
HISTORY**

[Empty box for score]

Inspection Date: ___/___/___

[Empty box for score]

Inspection Date: ___/___/___

[Empty box for score]

Inspection Date: ___/___/___

VILLAGE OF PALATINE

Establishment Name: _____

Address: _____

Type & Category: _____

SCORING

90-100 – Excellent

Excels in generally accepted food handling practices and overall food establishment maintenance.

80-89 – Good

Good performance in generally accepted food handling practices and overall food establishment maintenance.

70-79 – Fair

Fair performance in food handling practices and overall general food establishment maintenance.

Below 70 – Poor

Exhibits poor performance in food handling practices and overall general food establishment maintenance.

Handwritten signature: [Signature]

For additional information contact the Environmental Health Division at
(847) 359-9090 or visit www.palatine.il.us

Section 11-18(b). Posting required. The food dealer's current inspection score posting including the last three routine inspection scores and the dates of inspection must be displayed in a prominent location and within a reasonable proximity of the establishment's front entrance on a form provided by the Division of Environmental Health. The posting must be displayed in plain and unobstructed view at a height that meets an adult's eye level. The location shall be subject to the approval of the Division of Environmental Health. The posting shall not be defaced, damaged, modified, removed or improperly displayed. The posting shall not be transferable nor shall the posting be valid for any establishment other than that for which originally issued.

Section 11-623. Penalty. Any person, firm or corporation violating any provision of this chapter shall be fined not less than Two Hundred (\$200.00) Dollars nor more than One Thousand (\$1,000.00) Dollars for each offense, and a separate offense shall be deemed committed on each day during or on which a violation occurs or continues.



MEMORANDUM

To: Douglas Petroschius, Assistant Village Manager

From: Andrea Litzhoff, Community Development Intern

Date: April 22, 2013

Re: Health Inspection Posting Additional Information

Staff presented research to the Village Board at the April 2, 2013 Committee of the Whole meeting regarding the posting of health inspection information online and onsite. The Village Board desired to know more about the effects of Palatine's program on the business community and if it would have a negative impact on attracting new food establishments. The Village Board directed staff to contact the Village of Palatine and their Chamber of Commerce to determine what impacts they have experienced with posting health inspections online and in public.

Village of Palatine

The Village of Palatine has been posting the health inspections online since 2008. The Village's Environmental Health Division Director Diane Gartner stated when the program was established the Village held a number of public meetings with the restaurant community and received significant backlash. Now that the program has matured, she has received a minimal amount of feedback from residents and business owners. This is assisted by the good relationships that are maintained between staff and the food establishment community. Occasionally when restaurants receive a poor score the restaurant is reluctant to post the scores onsite and in general restaurants with poor scores do not like having the scores posted onsite. Conversely there are many businesses who are proud of their clean establishments and support the onsite posting of scores as a means to enhance their reputation.

From time to time the Village reconsiders the onsite posting requirement, but it continues to remain in place. Ms. Gartner felt that posting onsite inspection scores is not a barrier for new attracting new food establishments as new food establishments have opened up in Palatine since 2008.

Palatine Chamber of Commerce

The Palatine Chamber of Commerce stated that since the program had been in place for several years, they had not evaluated their stance and position on the program.



Posting Health Inspections

Committee of the Whole
June 4, 2013



Outline

1. Current Practice
2. Public Access to Health Inspections
3. Onsite Posting of Grade Cards
4. Other Cities
5. EDC Recommendation
6. Considerations



Current Practice

- Lincolnwood contracts with the Cook County Department of Public Health who completes inspections
- Inspectors subtract violations from a 100 point scale.
- 80 - 100 points = pass and continue operations
- 79 - 61 = failed inspection notice and reinspection inquired within 2 weeks
- 60 or less = immediate closure

Violations and other regulations

Violation	Action
1,2, or 3 point violation	Correct violation ASAP
4 or 5 point violation	Correction violation in 10 days
60 or less total inspection score	Restaurant closes and takes corrective action within 48 hours
Two consecutive scores of 79 or less	Restaurant closes and takes corrective action within 48 hours
Score of 79 or less	Owner must correct violations; Reinspection required

Public Access to Health Inspections

- Residents can submit a FOIA request to the Village Manager for the most recent inspection report of a food establishment





Public Display of Health Inspection Scores

- On Village website
- A grade card displayed onsite at food establishment
- Most common at city or county level
- Posted on site to enhance the transparency of food establishment hygiene levels

**FOOD ESTABLISHMENT
INSPECTION SCORE
HISTORY**

Inspection Date: ___ / ___ / ___

Inspection Date: ___ / ___ / ___

Inspection Date: ___ / ___ / ___



Establishment Name: _____

Address: _____

Type & Category: _____

SCORING

90-100 – Excellent

Excels in generally accepted food handling practices and overall food establishment maintenance.

80-89 – Good

Good performance in generally accepted food handling practices and overall food establishment maintenance.

70-79 – Fair

Fair performance in food handling practices and overall general food establishment maintenance.

Below 70 – Poor

Exhibits poor performance in food handling practices and overall general food establishment maintenance.

**For additional information contact the Environmental Health Division at
(847) 359-9090 or visit www.palatine.il.us**

Village of Palatine Food Establishment Inspection Score Listing
 This information reflects the most recent food establishment routine inspection sanitation score.

<u>Establishment</u>	<u>Address</u>	<u>Score</u>
7-11 #30135	799 W NORTHWEST HWY	90
7-ELEVEN #13413G	753 W PALATINE RD	96
A+ DAY SCHOOL	1532 N RAND RD	100
A+ DAY SCHOOL #2	865 N STERLING AV	94
A+ DAY SCHOOL AFTER SCHOOL ZONE	1270 W NORTHWEST HWY	100
AFC SUSHI @ JOE CAPUTO'S #1	2070 N RAND RD	91
ALLEY 64 BAR & GRILL	2001 N RAND RD	86
ALONDRA BAKERY, INC.	1629 N BALDWIN RD	94
AMERICAN LEGION POST 690	122 W PALATINE RD	94
ANGEL'S TACOS RESTAURANT	279 W DUNDEE RD	94
APPLEBEE'S	741 E DUNDEE RD	87
ARBY'S ROAST BEEF	139 N NORTHWEST HWY	86
ARTISTIC CUISINE	16 S BOTHWELL ST	94
ASAHI JAPANESE RESTAURANT	851 N QUENTIN RD	97
ASIAN ISLAND	1202 E DUNDEE RD	76
BAKERS SQUARE #220209	270 E NORTHWEST HWY	98
BAUER'S BRAUHAUS	45 W SLADE ST	91
BBQ PATIO	828 S HICKS RD	89
BEN & JERRY'S	807 N QUENTIN RD	99
BILLY'S HOT DOG & BEEF	52 W ILLINOIS AV	87
BILLY'S PANCAKE HOUSE	440 W NORTHWEST HWY	91
BRANDI'S BANQUET	1170 E DUNDEE RD	97
BRANDT'S - THE LITTLE CAFE	807 W NORTHWEST HWY	89
BROTHER'S RIBS	758 W EUCLID AV	86
BROWN'S CHICKEN	301 E NORTHWEST HWY	78

1 2 3 4 5 6 7 8 9 10

For further information contact the Environmental Health Division - (847) 359-9090.

Research



- There is a positive relationship between posting health inspection grade cards and a decrease in the number of foodborne illnesses
- Posting health inspections caused scores to increase



Other cities

Chicago, IL

Post health inspection grades online. Indicated on a Pass/Fail standing

Champaign-Urbana, Champaign County, IL

Post monthly health inspection reports online. Health inspection indicated as “Good standing” or “reinspection required”

Palatine, IL

Requires health inspection scores be posted on site in a visible area and on the Village’s website. Palatine requires restaurant owners post most current health inspection scores. Since 2008.



Village Board Consideration

- April 2, 2013 Committee of the Whole
- Matter was discussed
- No decision
- Concerns of onsite posting's negative impact to attracting new restaurants
 - Directed staff to contact Village of Palatine and their Chamber of Commerce
- Deferred to EDC



Research Results

- Village of Palatine onsite posting requirement
 - Backlash when implemented
 - Now only low-scoring establishments complain
 - Good-scoring restaurants support the practice
- Palatine Chamber of Commerce
 - Has not made a determination of whether it supports the practice or is against

EDC Input Sought – May 22

- Posting onsite would be beneficial
- Posting scores would be confusing
 - Public does not know Village scoring system
- Recommended 5-0 onsite posting letter grade system
 - A - 90 – 100
 - B - 80 – 89
 - C - 61 – 79 (Re-inspection Required)
 - 60 or less not needed
 - Immediate closure

EDC Input Sought – May 22

- Audience Present
 - Trustee Klatzco – Bunny Hutch
 - concerns about inspection process
 - Mary Wilkie – Illinois Restaurant Association
 - Did not object to onsite posting
 - Favored Pass/Fail posting instead of score or letter grade



Options

- Status Quo – FOIA only method to obtain inspection information
- Publish inspection scores on website
- Publish inspection scores onsite of food establishment
- Publish letter grade onsite
 - Conceptual Letter Grade

A	90 - 100
B	80 - 89
C	61 - 79 (Re-inspection Required)

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SANITARY INSPECTION GRADE

On its most recent food-safety inspection this establishment received a grade of: _____



RE-INSPECTION REQUIRED? YES NO

FOOD ESTABLISHMENT NAME: _____

DATE ISSUED: _____ INSPECTOR'S NAME: _____

For additional information or a copy of an inspection report call (847) 745-4717 or visit www.lincolnwoodil.org.

**VILLAGE OF LINCOLNWOOD
PRESIDENT AND BOARD OF TRUSTEES
REGULAR MEETING
VILLAGE HALL COUNCIL CHAMBERS
7:30 P.M., JUNE 4, 2013**

AGENDA

- I. Call to Order**
- II. Pledge to the Flag**
- III. Roll Call**
- IV. Approval of Minutes**
 - 1. Board Meeting Minutes – May 21, 2013
- V. Warrant Approval**
- VI. Village President’s Report**
 - 1. Lifetime Award
 - 2. Human Relations Commission Person of the Year
- VII. Consent Agenda** (If any one wishes to speak to any matter on the Consent Agenda, a Speaker’s Request Form must be completed, presented to the Village Clerk, and the matter will be removed from the Consent Agenda and added to Regular Business.)
 - 1. Approval of an Ordinance Waiving Section 6-3-9 (I) of the Municipal Code to Allow the American Legion to Conduct Bingo in Proesel Park for the 2013 Lincolnwood Fest
 - 2. Approval of a Resolution Adopting Prevailing Wages Effective May 1, 2013 for the State of Illinois Prevailing Wage Act
 - 3. Approval of an Ordinance Regarding a Text Amendment to Section 3.13(26) of the Zoning Code Entitled “Notice of Violation; Time of Compliance; Complaint” Concerning Fences and Natural Screening
- VIII. Regular Business**
 - 4. Consideration of a Memorandum of Agreement between the Village and The Cook County Department of Public Health for the Use of the Public Works Building Located at 7001 N. Lawndale Avenue for Clinical Activities in Response to a Public Health Emergency
 - 5. Consideration of a Recommendation by the Zoning Board of Appeals to Deny a Requested Parking Variation at 3837 West Sherwin Avenue
 - 6. Consideration of a Recommendation by the Ad-Hoc Sewer Committee to Adopt a Resolution to Move Forward with (1) Designing and Implementing Stormwater Street Storage Improvements in a Pilot Area of the Village Not Exceeding 20% of the Village Land Area and (2) Development Design Plans at 30% Completion for a New Stormwater Outfall at the North Shore Channel
- IX. Manager’s Report**

X. Board, Commission, and Committee Reports

XI. Village Clerk's Report

XII. Trustee Reports

XIII. Public Forum

XIV. Adjournment

DATE POSTED: May 31, 2013

All Village Board meetings are broadcast live to residents on Comcast Cable Channel 6 and AT&T U-VERSE Channel 99 at 7:30 p.m. Rebroadcasts of Village Board meetings can be viewed one week following the live broadcast at 1:00 p.m. and 7:30 p.m. or online at www.lincolnwoodil.org/boardmeetings.cfm.

**VILLAGE OF LINCOLNWOOD
PRESIDENT AND BOARD OF TRUSTEES
REGULAR MEETING
VILLAGE HALL COUNCIL CHAMBERS
MAY 21, 2013**

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Call to Order

Village President Turry called the Regular Meeting of the Lincolnwood Board of Trustees to order at 7:30 P.M., Tuesday, May 21, 2013 in the Council Chambers of the Municipal Complex, 6900 North Lincoln Avenue, Village of Lincolnwood, County of Cook, and State of Illinois.

Pledge to the Flag

The Corporate Authorities and all persons in attendance recited the Pledge of Allegiance to the flag of our country.

Roll Call

On roll call by Village Clerk Beryl Herman the following were:

PRESENT: President Turry, Trustees Sprogis-Marohn, Cope, Elster, Klatzco, Leftakes

ABSENT: Trustee Patel

A quorum was present.

Also present: Timothy Wiberg, Village Manager; Douglas Petroschius, Assistant Village Manager; Charles Meyer, Assistant to the Village Manager; Melissa Steirer, Management Analyst Timothy Clarke, Director of Community Development; Aaron Cook, Development Manager; Robert Merkel, Finance Director; Melissa Steirer, Management Analyst; Ashley Engelmann, Assistant to the Public Works Director; Steven Elrod, Village Attorney; Timothy Clarke, Community Development Director; Charles Greenstein, Treasurer.

Approval of Minutes

The minutes of the May 7, 2013 regular Village Board meeting had been distributed in advance and were examined. Trustee Sprogis-Marohn moved to approve the minutes as presented. Trustee Elster seconded the motion. The motion passed by voice vote.

Warrant Approval

Trustee Leftakes moved to approve Warrants in the amount of \$927,287.48. Trustee Sprogis-Marohn seconded the motion.

Upon Roll Call by Village Clerk Beryl Herman the results were:

AYES: Trustees Leftakes, Klatzco, Elster, Cope, Sprogis-Marohn

NAYS: None.

The motion passed. The Warrants were approved.

Village President's Report

1. Purple Hotel Update

Neil Stein, of North Capitol Group, property owner of the Purple Hotel property, addressed the Board.

Mr. Stein stated that Jake Weiss is still a part of this group. The PUD has been withdrawn. North Capitol Group wishes to demolish the hotel building at its own expense. They are signing with Super Host Enterprises and Urban Retail Properties for development of the property. Questions ensued from Trustees Cope and Leftakes, with clarification by Attorney Elrod regarding the current agreement in effect. Mr. Stein stated that his group is prepared to go forward on applying for County permits for demolition. Additional discussion and questions ensued. There will be another progress report at the Village Board meeting of June 4.

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2. Proclamation Regarding Arbor Day

President Turry read the proclamation regarding Arbor Day. The proclamation speaks of the benefits of trees to our communities and the earth. The Village continues to increase its urban tree canopy with the intent to guarantee these benefits to the current and future residents of Lincolnwood. Including families in community tree planting projects, models the importance of trees to a healthy community. President Turry proclaimed May 24, 2013 as Arbor Day in the Village of Lincolnwood. In honor of Arbor Day the Village will be planting two Japanese Tree Lilacs at O'Brien Park, with the assistance of the Village Beautification Commission, Cub Scouts and Girl Scouts. President Turry encouraged residents, students and families to participate in this planting.

3. Reappointments for Boards and Commissions

President Turry reappointed the following residents:

Beautification

Gabriella Kowalczyk

Mira Mazur

Board of Fire and Police Commissioners

Sheri Doniger

Pablo Alcantara

Economic Development Commission

James Kucienski

Paul Levine

Patrick McCoy

Maureen Ehrenberg

Human Relations Commission

Anjum Ali

Anna Pawlowski

Martina Keller

Parks and Recreation Board

Barry Bass

Art Lovering

Plan Commission

Paul Eisterhold

Don Sampen

Traffic Commission

Mark Bonner

Donald Gelfund

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Telecommunications Advisory Commission

Brad Fox

Joan Friedman

Zoning Board of Appeals

Sherwin J. Malkin

Paul Gordon

3. New Appointments for Boards and Commissions

Beautification Commission

Terry Froman

Parks and Recreation Board

Jennifer Spino

Plan Commission

Irving Fishman

Traffic Commission

James Lee

Zoning Board of Appeals

Chris Martel

4. Presentation of the Vehicle Sticker Award

President Turry presented this award to Nasim Salehitezangi and her mother. The family will receive a sticker for their personal car as well as a framed copy. President Turry also congratulated Nasim on her performance in the Lincoln Hall musical presentation last weekend. Trustee Cope joined Nasim in singing a selection from the presentation.

Consent Agenda

1. Approval of a Resolution Adopting the Strategic Master Technology Plan for Fiscal Year 2013-14
2. Approval of a Resolution Adopting a Collective Bargaining Agreement Between the Village and the Illinois Fraternal Order of Police Labor Council Communications Operators from May 1, 2013 to April 30, 2016

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3. Approval of a Recommendation by the Park and Recreation Board to Adopt an Ordinance Waiving Enforcement of Section 10-2-36(A) of the Village Code for the Sale of Alcoholic Beverages at the Community Center on Saturday, July 13 and Sunday, July 14, 2013 for the Lincolnwood Craft and Imported Beer Fest
4. Approval of a Recommendation by the Park and Recreation Board to Adopt an Ordinance Waiving Section 6-3-2(B) of the Village Code that Governs Park Hours, Extending the Closing Hours of Proesel Park From 11:00 to 11:30 pm on Friday, August 2 and Saturday, August 3, and Waiving the Enforcement of Section 9-1-3 of the Village Code that Requires the Issuance of Business Licenses for all Individuals, Firms, or Corporations Conducting Business in the Village, for the 2013 Lincolnwood Fest
5. Approval of a Resolution Awarding a Bid for Sidewalk Replacement Services in the Amount of \$4.19 Per Square Foot of Existing Sidewalk, \$5.00 for New Sidewalk, \$12.75 Per Linear Foot of Curb and \$180.00 Per ADA Tile to Suburban Concrete

Trustee Klatzco moved to approve the Consent Agenda as presented. Trustee Elster seconded the motion.

Upon Roll Call the results were:

AYES: Trustees Cope, Elster, Sprogis-Marohn, Klatzco, Leftakes

NAYS: None

The motion passed.

Regular Business

6. Consideration of a Recommendation by the Plan Commission to Amend Section 3.13(26) of the Zoning Code Entitled “Notice of Violation; Time of Compliance; Complaint” Concerning Fences and Natural Screening

This item was presented by Mr. Cook using PowerPoint.

Text Amendment Process

*Village Board referred Text Amendment to the Plan Commission December 4, 2012

*Plan Commission continued the matter on February 6, 2013

*Plan Commission convened Public Hearing on May 1, 2013

Plan Commission Discussion

*Staff recommends elimination of section

*Existing section is unusual – Zoning code typically does not include Process for enforcement of violations (other than some signs)

*Existing section no longer accurate – Violations now handled through Administrative Hearing Officer, not Circuit Court

Existing section occurred when fence regulations created and Village did not have an established enforcement process

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Public Hearing and Recommendation

- *No Public Testimony Received
- *Text Amendment to Eliminate Section Recommended by Plan Commission by 3 – 1 Vote
- *Dissenting Vote Cast by Commissioner Sampen
 - Believed Section Should Remain
 - Zoning Code Should Contain Process by Which Violations are Enforced

Comments ensued with clarification provided by Attorney Elrod.

Trustee Cope moved to direct the attorney to prepare the Ordinance for presentation at a future meeting. Trustee Sprogis-Marohn seconded the motion.

Upon Roll Call the results were:

AYES: Trustees Cope, Sprogis-Marohn, Leftakes, Elster, Klatzco

NAYS: None

Manager’s Report

Mr. Wiberg summarized the matters that were discussed at Committee of the Whole this evening.

For details, please see the Minutes of the Committee of the Whole for this date.

Board and Commissions Report

None

Clerk’s Report

As I was unable to attend the swearing in ceremony of the new members and Mayor Turry, I wish to congratulate all new board members and the mayor. I thank Mayor Turry for swearing me in previously and am prepared to serve the residents of the Village as I have for the past eight years. My sincere thanks to all of those who supported me before and during this election.

Please contact the office of the Village Clerk, if you would be willing to serve on the Multi-Cultural Task Force for the Department of Parks and Recreation or if you would like your name placed on the list of volunteer interpreters and translators.

Trustee Reports

None

Public Forum

None

Adjournment

Trustee Sprogis-Marohn moved to adjourn the Regular Meeting of the Village Board at 8:20 P.M. Trustee Klatzco seconded the motion. The motion passed by voice vote.

Respectfully Submitted,

Beryl Herman
Village Clerk

TO: President and the Board of Trustees

FROM: Timothy C. Wiberg, Village Manager

SUBJECT: Warrant Approval

DATE: May 31, 2013

The following are the totals for the List of Bills being presented at the June 4th Village Board meeting.

06/04/2013	\$27,305.34
06/04/2013	272,472.85
06/04/2013	11,588.99
06/04/2013	241,346.66
06/04/2013	48,984.08
Total	<hr/> \$ 601,697.92

Accounts Payable To Be Paid Proof List

User: jmm
Printed: 05/28/2013 - 2:30 PM
Batch: 100-06-2013



Invoice #	Inv Date	Amount	Quantity	Pmt Date	Description	Reference	Task	Type	PO #	Close PO Line #
American Express										
AMEREXP										
31083042313	04/23/2013	249.98	0.00	06/04/2013	Best Buy - Blu Ray player		-		No	0000
101-350-512-5770	Training supplies									
31083042313	04/23/2013	148.50	0.00	06/04/2013	Amazon - Voltage Cable plates		-		No	0000
101-350-512-5770	Training supplies									
	31083042313 Total:	398.48								
31083042613	04/26/2013	94.85	0.00	06/04/2013	Sewell Direct - Splitter, HDMI Cable		-		No	0000
101-350-512-5770	Training supplies									
	31083042613 Total:	94.85								
31117041213	04/12/2013	5.00	0.00	06/04/2013	Parking - Train		-		No	0000
101-100-511-5820	Local mileage, parking & tolls									
	31117041213 Total:	5.00								
31117041313	04/13/2013	94.05	0.00	06/04/2013	Train ticket - Village Legislative		-		No	0000
101-100-511-5850	Purchased Transportation									
	31117041313 Total:	94.05								
31133041513	04/15/2013	2,280.00	0.00	06/04/2013	Emergency Operations Center monitors		-		No	0000
101-300-561-6580	Equipment - vehicles									
	31133041513 Total:	2,280.00								
31158041513	04/15/2013	10.00	0.00	06/04/2013	DVD Conversion Deposit		-		No	0000
101-200-511-5700	Office supplies									
31158041513	04/15/2013	10.00	0.00	06/04/2013	DVD Conversion Deposit		-		No	0000
101-200-511-5700	Office supplies									
	31158041513 Total:	20.00								
31158042013	04/20/2013	99.95	0.00	06/04/2013	Screencast Yearly Fee		-		No	0000
101-250-511-5330	Data processing									
	31158042013 Total:	99.95								
31158042213	04/22/2013	71.17	0.00	06/04/2013	Dell Battery		-		No	0000
660-620-519-5730	Program supplies									
	31158042213 Total:	71.17								
31158042813	04/28/2013	205.90	0.00	06/04/2013	Employee Service Award		-		No	0000
101-200-511-5799	Other materials & supplies									
	31158042813 Total:	205.90								

Invoice #	Inv Date	Amount	Quantity	Pmt Date	Description	Reference	Task	Type	PO #	Close POLine #
32008041513	04/15/2013	41.70	0.00	06/04/2013	Lunch Meeting - Village Manager		-			No 0000
101-200-511-5840	Meals									
	32008041513 Total:	41.70								
34145041113	04/11/2013	1,400.57	0.00	06/04/2013	Concessions Equipment - Camp		-			No 0000
205-530-515-5730	Program supplies				supplies					
	34145041113 Total:	1,400.57								
34145042413	04/24/2013	54.10	0.00	06/04/2013	Portillo's Staff Meeting - Lunch		-			No 0000
205-500-515-5840	Meals									
	34145042413 Total:	54.10								
	AMEREXP Total:	4,765.77								
	American Express Total:	4,765.77								
AT&T										
AT&T										
847734584004	05/07/2013	1,198.62	0.00	06/04/2013	Telephone Service E911		-			No 0000
215-000-512-5580	Telephone									
	847734584004 Total:	1,198.62								
847734584304	05/07/2013	345.77	0.00	06/04/2013	Telephone Service E911		-			No 0000
215-000-512-5580	Telephone									
	847734584304 Total:	345.77								
	AT&T Total:	1,544.39								
	AT&T Total:	1,544.39								
AT&T Long Distance										
AT&TLONG										
05042013	05/04/2013	29.68	0.00	06/04/2013	Long Distance a/c 816614078		-			No 0000
215-000-512-5580	Telephone									
	05042013 Total:	29.68								
	AT&TLONG Total:	29.68								
	AT&T Long Distance Total:	29.68								
Commonwealth Edison										
COMED										
0008132018	05/09/2013	404.98	0.00	06/04/2013	Electrical Service - Kostner/Morse		-			No 0000
101-440-513-5785	Utilities - public way									
	0008132018 Total:	404.98								

Invoice #	Inv Date	Amount	Quantity	Pmt Date	Description	Reference	Task	Type	PO #	Close POLine #
0104767008	05/09/2013	1,893.31	0.00	06/04/2013	Electrical Service - Pump Station		-			No 0000
660-620-519-5785	Utilities - public way									
	0104767008 Total:	1,893.31								
0592075011	05/08/2013	1,993.99	0.00	06/04/2013	Master Acct Street Lighting		-			No 0000
101-440-513-5785	Utilities - public way									
	0592075011 Total:	1,993.99								
0933017059	05/08/2013	513.70	0.00	06/04/2013	Electrical Service - 6754 N. Cicero		-			No 0000
101-440-513-5785	Utilities - public way									
	0933017059 Total:	513.70								
1700394002	05/09/2013	22.45	0.00	06/04/2013	Electrical Service - ES Crawford		-			No 0000
101-440-513-5785	Utilities - public way									
	1700394002 Total:	22.45								
1784346006	05/09/2013	251.23	0.00	06/04/2013	Electrical Service - SS Touhy		-			No 0000
101-440-513-5785	Utilities - public way									
	1784346006 Total:	251.23								
1784521009	05/08/2013	18.23	0.00	06/04/2013	Electrical Service - WS Cicero		-			No 0000
101-440-513-5785	Utilities - public way									
	1784521009 Total:	18.23								
2028043041	05/08/2013	3,726.28	0.00	06/04/2013	Master Acct Street Lighting		-			No 0000
101-440-513-5785	Utilities - public way									
	2028043041 Total:	3,726.28								
2187009072	05/06/2013	282.20	0.00	06/04/2013	Electrical Service - 7000 Mc Cormick		-			No 0000
101-440-513-5785	Utilities - public way									
	2187009072 Total:	282.20								
2631087013	05/08/2013	91.37	0.00	06/04/2013	Electrical Service - 6851 Central Park		-			No 0000
101-440-513-5785	Utilities - public way									
	2631087013 Total:	91.37								
2649157097	05/07/2013	151.16	0.00	06/04/2013	Electrical Service - 3550 W Pratt		-			No 0000
101-440-513-5785	Utilities - public way									
	2649157097 Total:	151.16								
3462712002	05/07/2013	192.34	0.00	06/04/2013	Electrical Service - Water Tower		-			No 0000
660-620-519-5785	Utilities - public way									
	3462712002 Total:	192.34								
4147167024	05/09/2013	339.66	0.00	06/04/2013	Electrical Service - 7055 N. Kostner		-			No 0000
101-440-513-5785	Utilities - public way									
	4147167024 Total:	339.66								
4413156059	05/09/2013	102.92	0.00	06/04/2013	Electrical Service - 7300 Cicero		-			No 0000
101-440-513-5785	Utilities - public way									
	4413156059 Total:	102.92								
4791110064	05/09/2013	239.47	0.00	06/04/2013	Electrical Service - 3928 W Touhy		-			No 0000
101-440-513-5785	Utilities - public way									
	4791110064 Total:	239.47								
57221-35010	05/09/2013	469.18	0.00	06/04/2013	Master Account/Street Lighting		-			No 0000
101-440-513-5785	Utilities - public way									
	57221-35010 Total:	469.18								

Invoice #	Inv Date	Amount	Quantity	Pmt Date	Description	Reference	Task	Type	PO #	Close POLine #
COMED Total:		10,692.47								
Commonwealth Edison Total:		10,692.47								
Cook County Recorder of Deeds										
COOKCOUN										
INV351043013	04/30/2013	134.00	0.00	06/04/2013	Recording fees/1311919075-		-		No	0000
101-230-511-5399	Other professional services				1311919076					
	INV351043013 Total:	134.00								
	COOKCOUN Total:	134.00								
Cook County Recorder of Deeds Total:		134.00								
FIA Card Services										
FIACARD										
3446041613	04/16/2013	195.00	0.00	06/04/2013	Finance Dept Training-A/P		-		No	0000
101-210-511-5590	Training				Management					
	3446041613 Total:	195.00								
3446043013	04/30/2013	37.00	0.00	06/04/2013	Lunch - Finance Meeting		-		No	0000
101-210-511-5840	Meals									
	3446043013 Total:	37.00								
3462040913	04/09/2013	340.00	0.00	06/04/2013	Ohio Aquatic Council-Staff Training		-		No	0000
205-560-515-5590	Training									
	3462040913 Total:	340.00								
3462050613	05/06/2013	16.65	0.00	06/04/2013	Plug n Play - Online registration		-		No	0000
205-560-515-5590	Training									
	3462050613 Total:	16.65								
5279040513	04/05/2013	458.54	0.00	06/04/2013	PromotionsNow / Discs Family Fun		-		No	0000
205-504-515-5270	Purchased program services				Fest					
	5279040513 Total:	458.54								
5279040913	04/09/2013	47.72	0.00	06/04/2013	Toysplash - giveaway for		-		No	0000
205-504-515-5799	Other materials & supplies				concerts/camp					
	5279040913 Total:	47.72								
5279041013	04/10/2013	311.11	0.00	06/04/2013	Quality Logo Products - Giveaway		-		No	0000
205-504-515-5510	Advertising									
	5279041013 Total:	311.11								
5279041213	04/12/2013	49.91	0.00	06/04/2013	Dollar Tree - Kites for Family Fun Fest		-		No	0000
205-504-515-5730	Program supplies									
	5279041213 Total:	49.91								
5279041913	04/19/2013	297.68	0.00	06/04/2013	Inform - Sunglass giveaway		-		No	0000
205-504-515-5270	Purchased program services									
	5279041913 Total:	297.68								

Invoice #	Inv Date	Amount	Quantity	Pmt Date	Description	Reference	Task	Type	PO #	Close POLine #
5279042613	04/26/2013	624.00	0.00	06/04/2013	Marriot Theater - Senior trip		-			No 0000
205-570-515-5270	Purchased program services									
	5279042613 Total:	624.00								
5279043013	04/30/2013	16.45	0.00	06/04/2013	Bistro Margot - Staff lunch senior trip		-			No 0000
205-570-515-5645	Concessions & food									
5279043013	04/30/2013	1,028.30	0.00	06/04/2013	Informs - Giveaway at concerts		-			No 0000
205-504-515-5270	Purchased program services									
	5279043013 Total:	1,044.75								
7588041213	04/12/2013	330.00	0.00	06/04/2013	Uniform Allowance		-			No 0000
101-300-512-5070	Uniform allowance									
	7588041213 Total:	330.00								
7588041613	04/16/2013	99.90	0.00	06/04/2013	Charges for Wireless In car computer		-			No 0000
101-300-512-5640	Computer supplies									
	7588041613 Total:	99.90								
7588041713	04/17/2013	444.39	0.00	06/04/2013	Office Supplies		-			No 0000
101-300-512-5700	Office supplies									
	7588041713 Total:	444.39								
	FIACARD Total:	4,296.65								
	FIA Card Services Total:	4,296.65								
Groot Recycling & Waste Serv										
GROOT										
9232458	04/30/2013	1,825.27	0.00	06/04/2013	Public Works - 22280-002		-			No 0000
101-440-514-5230	Garbage & recycling									
	9232458 Total:	1,825.27								
	GROOT Total:	1,825.27								
	Groot Recycling & Waste Serv Total:	1,825.27								
Nicor Gas										
NICOR										
1436840000	05/10/2013	488.21	0.00	06/04/2013	Natural Gas/Community Ctr-4/10 thru		-			No 0000
205-430-515-5780	Utilities - government buildin				5/9					
	1436840000 Total:	488.21								
21-84-84-00004	05/08/2013	141.23	0.00	06/04/2013	Natural Gas - Pump Station		-			No 0000
660-620-519-5780	Utilities - government buildin									
	21-84-84-00004 Total:	141.23								
3017240000	05/10/2013	1,407.55	0.00	06/04/2013	Natural Gas/Public Services-4/10 - 5/9		-			No 0000
101-420-511-5780	Utilities - government buildin									
	3017240000 Total:	1,407.55								

Invoice #	Inv Date	Amount	Quantity	Pmt Date	Description	Reference	Task	Type	PO #	Close POLine #
5202340000	05/10/2013	628.40	0.00	06/04/2013	Natural Gas/Village Hall-4/10 - 5/9		-			No 0000
101-420-511-5780	Utilities - government buildin									
	5202340000 Total:	628.40								
6202340000	05/10/2013	1,228.24	0.00	06/04/2013	Natural Gas/Public Safety-4/10 - 5/9		-			No 0000
101-420-511-5780	Utilities - government buildin									
	6202340000 Total:	1,228.24								
70-61-47-04487	05/09/2013	123.48	0.00	06/04/2013	Natural Gas - 7055 Kostner		-			No 0000
205-560-515-5780	Utilities - government buildin									
	70-61-47-04487 Total:	123.48								
	NICOR Total:	4,017.11								
	Nicor Gas Total:	4,017.11								
	Report Total:	27,305.34								

Accounts Payable To Be Paid Proof List

User: jmm
Printed: 05/28/2013 - 3:54 PM
Batch: 101-06-2013



Invoice #	Inv Date	Amount	Quantity	Pmt Date	Description	Reference	Task	Type	PO #	Close POLine #
Airgas										
AIRGAS										
9909791390	04/30/2013	123.50	0.00	06/04/2013	Oxygen cylinders for ambulances		-		No	0000
101-350-512-5660	EMS supplies									
	9909791390 Total:	123.50								
	AIRGAS Total:	123.50								
	<hr/>									
	Airgas Total:	123.50								
	<hr/>									
Amazon										
AMAZON										
1005151835813	04/17/2013	35.70	0.00	06/04/2013	Batteries for Weather Gage		-		No	0000
660-620-519-5730	Program supplies									
	1005151835813 Total:	35.70								
202141911908	04/11/2013	37.99	0.00	06/04/2013	Frame for Village Sticker Award		-		No	0000
101-100-511-5799	Other materials & supplies									
	202141911908 Total:	37.99								
218219026976	04/16/2013	69.60	0.00	06/04/2013	Phone supplies		-		No	0000
101-210-511-5580	Telephone									
	218219026976 Total:	69.60								
	AMAZON Total:	143.29								
	<hr/>									
	Amazon Total:	143.29								
	<hr/>									
AT Group , Inc										
ATGROUP										
447	04/25/2013	1,500.00	0.00	06/04/2013	Retainer - April		-		No	0000
101-290-511-5920	Administration Engineer Costs									
447	04/25/2013	1,500.00	0.00	06/04/2013	Retainer - April		-		No	0000
660-620-519-5399	Other professional services									

Invoice #	Inv Date	Amount	Quantity	Pmt Date	Description	Reference	Task	Type	PO #	Close POLine #
447	04/25/2013	61.21	0.00	06/04/2013	Mileage		-		No	0000
101-290-511-5920	Administration Engineer Costs									
447	04/25/2013	61.21	0.00	06/04/2013	Mileage		-		No	0000
660-620-519-5399	Other professional services									
447	04/25/2013	62.50	0.00	06/04/2013	April Project Mgmt - Crawford - Fees		-		No	0000
101-290-511-5942	PW Building Engineer Costs									
447	04/25/2013	20.40	0.00	06/04/2013	April Project Mgmt - Crawford - Expenses		-		No	0000
101-290-511-5942	PW Building Engineer Costs									
447	04/25/2013	1,250.00	0.00	06/04/2013	April Project Mgmt - Storm Water - Fees		-		No	0000
660-620-519-5320	Consulting									
447	04/25/2013	81.61	0.00	06/04/2013	April Project Mgmt - Storm Water - Exp		-		No	0000
660-620-519-5320	Consulting									
447	04/25/2013	125.00	0.00	06/04/2013	April Project Mgmt - Pratt/Central/Fees		-		No	0000
101-290-511-5942	PW Building Engineer Costs									
447	04/25/2013	20.40	0.00	06/04/2013	April Project Mgmt - Pratt/Central/Exp		-		No	0000
101-290-511-5942	PW Building Engineer Costs									
	447 Total:	4,682.33								
	ATGROUP Total:	4,682.33								
	AT Group , Inc Total:	4,682.33								
Call One										
CALLONE										
1010-7823-0001	05/15/2013	2,109.04	0.00	06/04/2013	Telephone -Municipal Center circuits		-		No	0000
101-210-511-5580	Telephone									
	1010-7823-0001 Total:	2,109.04								
1010-7823-0002	05/15/2013	224.24	0.00	06/04/2013	Telephone - Standpipe SCADA		-		No	0000
660-610-519-5580	Telephone									
	1010-7823-0002 Total:	224.24								
1010-7823-0003	05/15/2013	145.83	0.00	06/04/2013	Telephone - Police Radio Line		-		No	0000
101-210-511-5580	Telephone									
	1010-7823-0003 Total:	145.83								
1010-7823-0004	05/15/2013	46.89	0.00	06/04/2013	Telephone - Aquatic Center		-		No	0000
205-560-515-5580	Telephone									
	1010-7823-0004 Total:	46.89								
1010-7823-0007	05/15/2013	377.04	0.00	06/04/2013	Telephone - Public Works point to point		-		No	0000
660-610-519-5580	Telephone									
	1010-7823-0007 Total:	377.04								
1010-7823-0008	05/15/2013	27.04	0.00	06/04/2013	Telephone - Pump House		-		No	0000
660-610-519-5580	Telephone									
	1010-7823-0008 Total:	27.04								
1010-7823-0009	05/15/2013	399.47	0.00	06/04/2013	Telephone - Red Center Connection		-		No	0000
101-210-511-5580	Telephone									
	1010-7823-0009 Total:	399.47								

Invoice #	Inv Date	Amount	Quantity	Pmt Date	Description	Reference	Task	Type	PO #	Close POLine #
1010-7823-0010	05/15/2013	327.53	0.00	06/04/2013	Telephone - Municipal Center		-			No 0000
101-210-511-5580	Telephone									
	1010-7823-0010 Total:	327.53								
	CALLONE Total:	3,657.08								
	Call One Total:	3,657.08								
CDW Government										
CDWGOV										
BT31976	04/22/2013	58.20	0.00	06/04/2013	Rollers for Scanners		-			No 0000
101-250-511-5640	Computer supplies									
	BT31976 Total:	58.20								
BT53049	04/22/2013	58.20	0.00	06/04/2013	Rollers for Scanners		-			No 0000
101-250-511-5640	Computer supplies									
	BT53049 Total:	58.20								
BT68025	04/22/2013	504.09	0.00	06/04/2013	Printer for Administration		-			No 0000
101-200-511-5700	Office supplies									
	BT68025 Total:	504.09								
	CDWGOV Total:	620.49								
	CDW Government Total:	620.49								
Cesar's Equipment Company										
CESARSEQ										
9294	04/23/2013	76.42	0.00	06/04/2013	Stainer for Jetter		-			No 0000
101-440-513-5480	R&M - vehicles									
	9294 Total:	76.42								
	CESARSEQ Total:	76.42								
	Cesar's Equipment Company Total:	76.42								
ClientFirst Consulting Group,										
CLIENTFI										
3243	04/30/2013	1,236.25	0.00	06/04/2013	PD Firewall		-			No 0000
101-250-511-5340	Maintenance Agreement Expense									
	3243 Total:	1,236.25								
3244	04/30/2013	172.50	0.00	06/04/2013	Springbrook Update		-			No 0000
101-250-511-5330	Data processing									
	3244 Total:	172.50								

Invoice #	Inv Date	Amount	Quantity	Pmt Date	Description	Reference	Task	Type	PO #	Close POLine #
3245	04/30/2013	345.00	0.00	06/04/2013	Public Works Project		-			No 0000
660-610-519-5330	Data processing									
	3245 Total:	345.00								
3248	04/30/2013	787.50	0.00	06/04/2013	IT Strategy and Managemaint		-			No 0000
101-250-511-5320	Consulting									
	3248 Total:	787.50								
3265	04/30/2013	2,127.50	0.00	06/04/2013	Non-Residential Pool Pass		-			No 0000
205-560-515-5640	Computer supplies									
	3265 Total:	2,127.50								
3267	04/30/2013	5,718.75	0.00	06/04/2013	Staff Support		-			No 0000
101-250-511-5320	Consulting									
3267	04/30/2013	1,020.00	0.00	06/04/2013	Community Development Support		-			No 0000
101-000-210-2650	Contractor Permits Payable									
	3267 Total:	6,738.75								
	CLIENTFI Total:	11,407.50								
ClientFirst Consulting Group, Total:		11,407.50								
Douglas Truck Parts										
DOUGTK										
56085	04/30/2013	118.97	0.00	06/04/2013	Plug, receptacle, adapter for Water Dept		-			No 0000
660-620-519-5480	R&M - vehicles									
	56085 Total:	118.97								
	DOUGTK Total:	118.97								
Douglas Truck Parts Total:		118.97								
Gateway EDI										
GATEWAY										
7108051300	05/01/2013	141.48	0.00	06/04/2013	Claims transaction fee - April 2013		-			No 0000
101-000-410-4315	Ambulance & EMS fees									
	7108051300 Total:	141.48								
	GATEWAY Total:	141.48								
Gateway EDI Total:		141.48								
Graham C-Stores Company										
GRAHAM										
INV-036759	05/01/2013	625.00	0.00	06/04/2013	Car Washes - February thru April 2013		-			No 0000
101-300-512-5480	R&M - vehicles									

Invoice #	Inv Date	Amount	Quantity	Pmt Date	Description	Reference	Task	Type	PO #	Close POLine #
	INV-036759 Total:	625.00								
	GRAHAM Total:	625.00								
	<hr/>									
	Graham C-Stores Company Total:	625.00								
	<hr/>									
Health Endeavors										
HEALTHEN										
3254	06/04/2012	435.00	0.00	06/04/2013	Annual medical fitness examination		-		No	0000
101-200-511-5599	Other contractual									
	3254 Total:	435.00								
	HEALTHEN Total:	435.00								
	<hr/>									
	Health Endeavors Total:	435.00								
	<hr/>									
Holland & Knight LLP										
HOLLAND										
05082013	05/08/2013	10,965.00	0.00	06/04/2013	April Retainer		-		No	0000
101-230-511-5350	Legal - retainer									
	05082013 Total:	10,965.00								
2908753	05/08/2013	135.00	0.00	06/04/2013	Lincoln Touhy TIF - April		-		No	0000
101-230-511-5370	Legal - review									
	2908753 Total:	135.00								
2908754	05/08/2013	1,024.00	0.00	06/04/2013	Lincoln Devon TIF - April		-		No	0000
101-230-511-5370	Legal - review									
	2908754 Total:	1,024.00								
2908757	05/08/2013	1,134.00	0.00	06/04/2013	Centerpoint Prop - April		-		No	0000
101-230-511-5370	Legal - review									
	2908757 Total:	1,134.00								
2908758	05/08/2013	998.00	0.00	06/04/2013	Z Bakery - April		-		No	0000
101-230-511-5370	Legal - review									
	2908758 Total:	998.00								
2908761	05/08/2013	54.00	0.00	06/04/2013	Legals bills for April - Union Pacific		-		No	0000
217-000-517-5399	Other professional services									
	2908761 Total:	54.00								
2908762	05/08/2013	81.00	0.00	06/04/2013	Legals bills for April - Union Pacific		-		No	0000
217-000-517-5399	Other professional services									
	2908762 Total:	81.00								
2908764	05/08/2013	7,117.79	0.00	06/04/2013	Litigation - April		-		No	0000
101-230-511-5360	Legal - litigation									
	2908764 Total:	7,117.79								
2908767	05/08/2013	1,296.00	0.00	06/04/2013	Litigation - April		-		No	0000
101-230-511-5360	Legal - litigation									

Invoice #	Inv Date	Amount	Quantity	Pmt Date	Description	Reference	Task	Type	PO #	Close POLine #
2908767 Total:		1,296.00								
2908769	05/08/2013	405.00	0.00	06/04/2013	Zoning Code Amend - April		-		No	0000
101-230-511-5370	Legal - review									
2908769 Total:		405.00								
HOLLAND Total:		23,209.79								
Holland & Knight LLP Total:		23,209.79								
Hydro Flow Products Inc										
HYDROFP										
25485	04/05/2013	566.41	0.00	06/04/2013	4" gauge calibrate,remote reader/Water		-		No	0000
660-620-519-5745	Small tools									
25485 Total:		566.41								
HYDROFP Total:		566.41								
Hydro Flow Products Inc Total:		566.41								
Land Design Collaborative										
LANDDES										
212-12	12/31/2012	4,991.00	0.00	06/04/2013	Project 0401-30 - Bike Path		-		No	0000
454-000-561-5340	Engineering									
212-12 Total:		4,991.00								
LANDDES Total:		4,991.00								
Land Design Collaborative Total:		4,991.00								
Marc Printing										
MARCP										
106884	05/13/2013	367.68	0.00	06/04/2013	Mailing of water bills/Cycle 2 & Cycle		-		No	0000
660-610-519-5720	Postage				4					
106884 Total:		367.68								
MARCP Total:		367.68								
Marc Printing Total:		367.68								
Meggitt Training System										
MEGGITTT										
INV-0058724	05/23/2013	695.00	0.00	06/04/2013	Service/Maintenance Range		-		No	0000
101-300-512-5610	Ammunition & range supplies									

Invoice #	Inv Date	Amount	Quantity	Pmt Date	Description	Reference	Task	Type	PO #	Close POLine #
	INV-0058724 Total:	695.00								
	MEGGITTT Total:	695.00								
	Meggitt Training System Total:	695.00								
Northeastern IL Public Safety										
NORTHEAS										
10804	04/30/2013	210.00	0.00	06/04/2013	Police Driver Training		-		No	0000
101-300-512-5590	Training									
	10804 Total:	210.00								
	NORTHEAS Total:	210.00								
	Northeastern IL Public Safety Total:	210.00								
Orange Crush LLC										
ORANGCRH										
4322013	04/30/2013	462.06	0.00	06/04/2013	Mod Surface		-		No	0000
213-000-561-5340	Engineering									
	4322013 Total:	462.06								
	ORANGCRH Total:	462.06								
	Orange Crush LLC Total:	462.06								
ProSafety										
PROSAFET										
1/550200	04/22/2013	128.80	0.00	06/04/2013	Unlines gloves for Water Dept safety		-		No	0000
660-620-519-5730	Program supplies									
	1/550200 Total:	128.80								
	PROSAFET Total:	128.80								
	ProSafety Total:	128.80								
Secretary of State/Driver Serv										
SECSTA										
446	04/30/2013	20.00	0.00	06/04/2013	Driver license suspension processing fee		-		No	0000
101-000-410-4540	Parking ticket fines									
	446 Total:	20.00								

Invoice #	Inv Date	Amount	Quantity	Pmt Date	Description	Reference	Task	Type	PO #	Close POLine #
	SECSTA Total:	20.00								
	Secretary of State/Driver Serv Total:	20.00								
Snap-On Industrial										
SNAPON										
ARV/18332845	10/26/2012	47.44	0.00	06/04/2013	Shop supplies for PW Garage		-		No	0000
101-410-511-5745	Small tools									
	ARV/18332845 Total:	47.44								
ARV/19520657	04/05/2013	995.00	0.00	06/04/2013	Modis Upgrade for PW Garage		-		No	0000
101-410-511-5745	Small tools									
	ARV/19520657 Total:	995.00								
	SNAPON Total:	1,042.44								
	Snap-On Industrial Total:	1,042.44								
Standard Equipment Company										
STANDARD										
C81955	03/21/2013	1,153.14	0.00	06/04/2013	Hose guide, leader hose, clamp for Water		-		No	0000
660-620-519-5745	Small tools									
	C81955 Total:	1,153.14								
C82453	04/08/2013	469.98	0.00	06/04/2013	Extended Window for Sweeper #2		-		No	0000
101-440-513-5480	R&M - vehicles									
	C82453 Total:	469.98								
	STANDARD Total:	1,623.12								
	Standard Equipment Company Total:	1,623.12								
State Treasurer, IL Dept of Tr										
STATETIL										
40106	02/24/2013	6,200.64	0.00	06/04/2013	Maintenance for traffic control signals		-		No	0000
212-000-513-5290	Street lights & traffic signal									
	40106 Total:	6,200.64								
	STATETIL Total:	6,200.64								
	State Treasurer, IL Dept of Tr Total:	6,200.64								

Invoice #	Inv Date	Amount	Quantity	Pmt Date	Description	Reference	Task	Type	PO #	Close POLine #
Suburban Tree Consortium										
SUBURBAN										
0005821-IN	04/30/2013	20,000.00	0.00	06/04/2013	Spring 2013 tree planting		-		No	0000
101-440-513-5250	Landscaping services									
0005821-IN	04/30/2013	4,000.00	0.00	06/04/2013	Spring 2013 tree planting		-		No	0000
217-000-561-6100	Land acquisition & improvement									
	0005821-IN Total:	24,000.00								
	SUBURBAN Total:	24,000.00								
Suburban Tree Consortium Total:		24,000.00								
Sunnyside Parts Warehouse										
SUNNYPAR										
196150	08/09/2012	45.21	0.00	06/04/2013	Thermostat and gasket for Squad #9		-		No	0000
101-300-512-5480	R&M - vehicles									
	196150 Total:	45.21								
199321	04/09/2013	49.58	0.00	06/04/2013	Belt and pulley for Squad #211		-		No	0000
101-300-512-5480	R&M - vehicles									
	199321 Total:	49.58								
199334	04/09/2013	208.80	0.00	06/04/2013	Gas filters for Police Dept		-		No	0000
101-300-512-5480	R&M - vehicles									
	199334 Total:	208.80								
199554	04/23/2013	6.55	0.00	06/04/2013	Indicator for Truck #4		-		No	0000
101-440-513-5480	R&M - vehicles									
	199554 Total:	6.55								
	SUNNYPAR Total:	310.14								
Sunnyside Parts Warehouse Total:		310.14								
Trans Union Corp										
TRANSU										
4300796	04/25/2013	18.25	0.00	06/04/2013	Credit Check		-		No	0000
101-200-511-5599	Other contractual									
	4300796 Total:	18.25								
	TRANSU Total:	18.25								
Trans Union Corp Total:		18.25								

Invoice #	Inv Date	Amount	Quantity	Pmt Date	Description	Reference	Task	Type	PO #	Close POLine #
Visu-Sewer of Illinois , LLC										
VISU										
13017-11	04/30/2013	183,629.34	0.00	06/04/2013	Sewer re-lining various areas of Village		-		No	0000
660-620-562-6400	Sewer system const/imprv									
	13017-11 Total:	183,629.34								
	VISU Total:	183,629.34								
Visu-Sewer of Illinois , LLC Total:		183,629.34								
Warehouse Direct										
WAREHOUS										
1914507-0	04/24/2013	92.84	0.00	06/04/2013	Office Supplies		-		No	0000
101-350-512-5700	Office supplies									
	1914507-0 Total:	92.84								
1926912-0	04/26/2013	137.34	0.00	06/04/2013	Office Supplies		-		No	0000
101-350-512-5700	Office supplies									
	1926912-0 Total:	137.34								
1927080-0	04/26/2013	323.39	0.00	06/04/2013	Office Supplies		-		No	0000
101-210-511-5700	Office supplies									
	1927080-0 Total:	323.39								
1932118-0	05/01/2013	678.09	0.00	06/04/2013	Office Supplies		-		No	0000
205-500-515-5700	Office supplies									
	1932118-0 Total:	678.09								
	WAREHOUS Total:	1,231.66								
Warehouse Direct Total:		1,231.66								
West Payment Center										
WESTPAY										
827171113	05/01/2013	144.32	0.00	06/04/2013	CLEAR Plus Subscription Fee		-		No	0000
101-300-512-5399	Other professional services									
	827171113 Total:	144.32								
	WESTPAY Total:	144.32								
West Payment Center Total:		144.32								
Wholesale Direct Inc										
WHOLESALE										
198806	03/13/2013	163.38	0.00	06/04/2013	Coupling,bean, strap and curb guards		-		No	0000
101-440-513-5480	R&M - vehicles									

Invoice #	Inv Date	Amount	Quantity	Pmt Date	Description	Reference	Task	Type	PO #	Close POLine #
	198806 Total:	163.38								
198935	03/19/2013	41.55	0.00	06/04/2013	Red and amber lights for Sweeper #2		-		No	0000
101-440-513-5480	R&M - vehicles									
	198935 Total:	41.55								
198967	03/20/2013	149.99	0.00	06/04/2013	Sling straps for Sweeper #2		-		No	0000
101-440-513-5480	R&M - vehicles									
	198967 Total:	149.99								
199049	03/25/2013	419.24	0.00	06/04/2013	Curb Guards		-		No	0000
101-440-513-5480	R&M - vehicles									
	199049 Total:	419.24								
	WHOLESALE Total:	774.16								
	Wholesale Direct Inc Total:	774.16								
Work' N Gear, LLC										
WRKNGEAR										
HA10864	04/15/2013	248.98	0.00	06/04/2013	Clothing Allowance - Public Works		-		No	0000
205-430-515-5070	Uniform allowance									
	HA10864 Total:	248.98								
HA10865	04/15/2013	297.00	0.00	06/04/2013	Clothing Allowance - Public Works		-		No	0000
101-410-511-5070	Uniform allowance									
	HA10865 Total:	297.00								
HA10867	04/15/2013	115.00	0.00	06/04/2013	Clothing Allowance - Public Works		-		No	0000
101-410-511-5070	Uniform allowance									
	HA10867 Total:	115.00								
HA9978	03/22/2013	156.00	0.00	06/04/2013	Clothing Allowance - Public Works		-		No	0000
101-440-513-5070	Uniform allowance									
	HA9978 Total:	156.00								
	WRKNGEAR Total:	816.98								
	Work' N Gear, LLC Total:	816.98								
	Report Total:	272,472.85								

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Invoice #	Inv Date	Amount	Quantity	Pmt Date	Description	Reference	Task	Type	PO #	Close POLine #
American Express										
AMEREXP										
31083050113	05/01/2013	234.00	0.00	06/04/2013	Internatl Assoc Fire		-		No	0000
101-350-512-5570	Professional associations				Chiefs/Membership					
	31083050113 Total:	234.00								
31083050313	05/03/2013	264.85	0.00	06/04/2013	Sewell Direct - HDMI cable, splitter		-		No	0000
101-350-512-5770	Training supplies									
	31083050313 Total:	264.85								
31083051713	05/17/2013	1,004.97	0.00	06/04/2013	Dicks sporting goods - Waders for		-		No	0000
101-350-512-5665	Firefighting supplies				flood					
31083051713	05/17/2013	-1,004.97	0.00	06/04/2013	Dicks sporting goods - Return		-		No	0000
101-350-512-5665	Firefighting supplies									
31083051713	05/17/2013	919.88	0.00	06/04/2013	Dicks sporting goods - Waders for		-		No	0000
101-350-512-5570	Professional associations				flood					
	31083051713 Total:	919.88								
31117	05/10/2013	45.00	0.00	06/04/2013	Memembership fees - Mayor		-		No	0000
101-210-511-5725	Bank & Credit Card Fees									
31117	05/02/2013	40.00	0.00	06/04/2013	Member rewards annual program fee		-		No	0000
101-210-511-5725	Bank & Credit Card Fees									
	31117 Total:	85.00								
31117050113	05/01/2013	40.00	0.00	06/04/2013	Conference - IAMMA		-		No	0000
101-200-511-5810	Conference & meeting registrat									
	31117050113 Total:	40.00								
31117050213	05/02/2013	123.19	0.00	06/04/2013	Lodging - Springfield Legislative		-		No	0000
101-100-511-5830	Lodging									
31117050213	05/02/2013	14.00	0.00	06/04/2013	Breakfast - Legislative Session		-		No	0000
101-100-511-5840	Meals									
31117050213	05/02/2013	250.00	0.00	06/04/2013	ILCMA Summer Conference		-		No	0000
101-200-511-5810	Conference & meeting registrat									
	31117050213 Total:	387.19								
31117050313	05/03/2013	199.00	0.00	06/04/2013	Job Posting - Seasonal Mechanic		-		No	0000
101-200-511-5510	Advertising									
31117050313	05/03/2013	743.19	0.00	06/04/2013	ILCMA Summer Conference Lodging		-		No	0000
101-200-511-5830	Lodging									

Invoice #	Inv Date	Amount	Quantity	Pmt Date	Description	Reference	Task	Type	PO #	Close POLine #
	31117050313 Total:	942.19								
32008050713	05/07/2013	106.59	0.00	06/04/2013	Cake & Fruit for Swearing in ceremony		-		No	0000
101-100-511-5840	Meals									
32008050713	05/07/2013	128.70	0.00	06/04/2013	3 Awards for Middle School		-		No	0000
101-100-511-5799	Other materials & supplies									
	32008050713 Total:	235.29								
33071041613	04/16/2013	2.19	0.00	06/04/2013	Electric switch for stump grinder		-		No	0000
101-440-513-5480	R&M - vehicles									
	33071041613 Total:	2.19								
33071050813	05/08/2013	35.00	0.00	06/04/2013	Parking Fee for downtown meeting		-		No	0000
101-400-511-5820	Local mileage, parking & tolls									
	33071050813 Total:	35.00								
34145032113	03/21/2013	450.00	0.00	06/04/2013	Legoland field trip deposit		-		No	0000
205-530-515-5270	Purchased program services									
	34145032113 Total:	450.00								
34145041713	04/17/2013	680.00	0.00	06/04/2013	Camp field trip payment for Tall Ships		-		No	0000
205-530-515-5270	Purchased program services									
	34145041713 Total:	680.00								
34145042313	04/23/2013	385.00	0.00	06/04/2013	Legoland field trip deposit		-		No	0000
205-530-515-5270	Purchased program services									
	34145042313 Total:	385.00								
34145042613	04/26/2013	193.00	0.00	06/04/2013	NRPA membership dues		-		No	0000
205-500-515-5570	Professional associations									
	34145042613 Total:	193.00								
34145050113	05/01/2013	500.00	0.00	06/04/2013	UP Comedy camp deposit		-		No	0000
205-530-515-5270	Purchased program services									
34145050113	05/01/2013	243.36	0.00	06/04/2013	NRPA Conference housing		-		No	0000
205-500-515-5830	Lodging									
	34145050113 Total:	743.36								
34145050213	05/02/2013	100.00	0.00	06/04/2013	Sky High Sports - camp deposit		-		No	0000
205-530-515-5270	Purchased program services									
34145050213	05/02/2013	100.00	0.00	06/04/2013	Sky High Sports - camp deposit		-		No	0000
205-530-515-5270	Purchased program services									
34145050213	05/02/2013	100.00	0.00	06/04/2013	Sky High Sports - camp deposit		-		No	0000
205-530-515-5270	Purchased program services									
34145050213	05/02/2013	100.00	0.00	06/04/2013	Sky High Sports - camp deposit		-		No	0000
205-530-515-5270	Purchased program services									
	34145050213 Total:	400.00								
34145050713	05/07/2013	31.96	0.00	06/04/2013	L Woods Tap - Lincolnwood Fest meeting		-		No	0000
205-500-515-5840	Meals									
	34145050713 Total:	31.96								
34145050913	05/09/2013	308.30	0.00	06/04/2013	NRPA Conference flight		-		No	0000
205-500-515-5810	Conference & meeting registrat									
34145050913	05/09/2013	17.00	0.00	06/04/2013	NRPA Conference flight insurance		-		No	0000
205-500-515-5810	Conference & meeting registrat									

Invoice #	Inv Date	Amount	Quantity	Pmt Date	Description	Reference	Task	Type	PO #	Close PO Line #
34145050913	05/09/2013	449.00	0.00	06/04/2013	NRPA Committee registration		-			No 0000
205-500-515-5810	Conference & meeting registrat									
	34145050913 Total:	774.30								
	AMEREXP Total:	6,803.21								
	American Express Total:	6,803.21								
FIA Card Services										
FIACARD										
3462042513	04/25/2013	284.90	0.00	06/04/2013	Great Apparel/Park Patrol Uniforms		-			No 0000
205-508-515-5730	Program supplies									
	3462042513 Total:	284.90								
3462043013	04/30/2013	703.86	0.00	06/04/2013	The Lifeguard Store/Training Supplies		-			No 0000
205-560-515-5499	R&M - other									
3462043013	04/30/2013	-49.38	0.00	06/04/2013	Refund Tax		-			No 0000
205-560-515-5499	R&M - other									
	3462043013 Total:	654.48								
3462050113	05/01/2013	100.00	0.00	06/04/2013	Mystic Waters/Camp 2013 Deposit		-			No 0000
205-530-515-5270	Purchased program services									
	3462050113 Total:	100.00								
3462050713	05/07/2013	344.50	0.00	06/04/2013	The Lifeguard Store/Training Supplies		-			No 0000
205-560-515-5590	Training									
3462050713	05/07/2013	-9.09	0.00	06/04/2013	Credit		-			No 0000
205-560-515-5590	Training									
	3462050713 Total:	335.41								
5279040813	04/08/2013	4.00	0.00	06/04/2013	Lettering Delights - Senior newsletter		-			No 0000
205-504-515-5730	Program supplies									
	5279040813 Total:	4.00								
5279040913	04/09/2013	25.00	0.00	06/04/2013	Craigslist - Camp staff job posting		-			No 0000
205-530-515-5590	Training									
	5279040913 Total:	25.00								
5279050113	05/01/2013	133.87	0.00	06/04/2013	Michaels crafts - Family Fun Fest		-			No 0000
205-504-515-5799	Other materials & supplies									
	5279050113 Total:	133.87								
7588050213	05/02/2013	392.00	0.00	06/04/2013	Lodging for Police Memorial/Springfield		-			No 0000
101-300-512-5830	Lodging									
	7588050213 Total:	392.00								
7588050313	05/03/2013	43.93	0.00	06/04/2013	Supplies for Garage 3		-			No 0000
101-300-512-5730	Program supplies									
	7588050313 Total:	43.93								
	FIACARD Total:	1,973.59								

Invoice #	Inv Date	Amount	Quantity	Pmt Date	Description	Reference	Task	Type	PO #	Close POLine #
FIA Card Services Total:		1,973.59								
Home Depot Credit Services										
HOMEDEPO										
53601	05/03/2013	6.95	0.00	06/04/2013	Ceramic tiles replaced at pool		-		No	0000
205-560-515-5405	R&M - buildings									
	53601 Total:	6.95								
53619	05/03/2013	175.76	0.00	06/04/2013	Snow fence/Family Fun Fest		-		No	0000
205-504-515-5270	Purchased program services									
	53619 Total:	175.76								
	HOMEDEPO Total:	182.71								
Home Depot Credit Services Total:		182.71								
Lowe's Business Acc/GECF										
LOWES										
06234	05/14/2013	39.70	0.00	06/04/2013	WD40, wash brushers, wash wands,		-		No	0000
101-350-512-5675	Lubricants & fluids				velcro		-		No	0000
06234	05/14/2013	116.88	0.00	06/04/2013	WD40, wash brushers, wash wands,		-		No	0000
101-350-512-5799	Other materials & supplies				velcro		-		No	0000
	06234 Total:	156.58								
08850	05/13/2013	31.86	0.00	06/04/2013	Bungee cords, light bulbs		-		No	0000
101-350-512-5799	Other materials & supplies						-		No	0000
	08850 Total:	31.86								
1391	05/03/2013	63.23	0.00	06/04/2013	Concession stand cleaning supplies		-		No	0000
205-560-515-5405	R&M - buildings						-		No	0000
	1391 Total:	63.23								
1398	05/03/2013	238.00	0.00	06/04/2013	PVC pipes,coupling, hammer/Water		-		No	0000
660-620-519-5730	Program supplies				Dept		-		No	0000
	1398 Total:	238.00								
16481	05/14/2013	133.87	0.00	06/04/2013	Rental items for chair cleaning		-		No	0000
205-571-515-5535	Facility rental						-		No	0000
	16481 Total:	133.87								
1674	05/10/2013	10.41	0.00	06/04/2013	Paint tray kit,paint brushe/Shelter		-		No	0000
101-420-511-5730	Program supplies						-		No	0000
	1674 Total:	10.41								
1736	05/11/2013	34.88	0.00	06/04/2013	Tape for outdoor use/Family Fun Fest		-		No	0000
205-504-515-5270	Purchased program services						-		No	0000
	1736 Total:	34.88								
2173	05/23/2013	23.17	0.00	06/04/2013	Strap for Parks		-		No	0000
205-430-515-5730	Program supplies						-		No	0000
	2173 Total:	23.17								

Invoice #	Inv Date	Amount	Quantity	Pmt Date	Description	Reference	Task	Type	PO #	Close POLine #
2220	05/03/2013	43.31	0.00	06/04/2013	Concession stand cleaning supplies		-			No 0000
205-560-515-5405	R&M - buildings									
	2220 Total:	43.31								
2224	05/03/2013	28.60	0.00	06/04/2013	Concession stand cleaning supplies		-			No 0000
205-560-515-5405	R&M - buildings									
	2224 Total:	28.60								
2230	05/24/2013	4.68	0.00	06/04/2013	Brackets for Madeline's Garden		-			No 0000
205-430-515-5680	Landscaping supplies									
	2230 Total:	4.68								
2235	05/03/2013	56.01	0.00	06/04/2013	Concession stand cleaning supplies		-			No 0000
205-560-515-5405	R&M - buildings									
	2235 Total:	56.01								
2255	05/03/2013	34.25	0.00	06/04/2013	Floor trowel,hydraulic cement, cover		-			No 0000
101-420-511-5730	Program supplies									
	2255 Total:	34.25								
2323	05/15/2013	84.81	0.00	06/04/2013	Cold chisel,conduit,drill bits screws		-			No 0000
101-420-511-5405	R&M - buildings									
	2323 Total:	84.81								
2420	05/06/2013	43.57	0.00	06/04/2013	Copper fittings,copper coil for Parks		-			No 0000
205-430-515-5470	R&M - Recreation equipment									
	2420 Total:	43.57								
2467	05/06/2013	72.04	0.00	06/04/2013	Boards for Family Fun Fest		-			No 0000
205-504-515-5270	Purchased program services									
	2467 Total:	72.04								
2544	05/07/2013	277.55	0.00	06/04/2013	Metal posts for snow fence		-			No 0000
205-504-515-5270	Purchased program services									
	2544 Total:	277.55								
2555	05/17/2013	332.46	0.00	06/04/2013	Stencil, blue grass, connectors for lot		-			No 0000
101-420-511-5680	Landscaping supplies									
	2555 Total:	332.46								
2613	05/17/2013	-64.26	0.00	06/04/2013	Return		-			No 0000
101-420-511-5680	Landscaping supplies									
	2613 Total:	-64.26								
2677	05/08/2013	14.23	0.00	06/04/2013	Sheet metal screws		-			No 0000
205-571-515-5535	Facility rental									
	2677 Total:	14.23								
2754	05/09/2013	45.42	0.00	06/04/2013	Wood landscape stakes/tree planting		-			No 0000
101-440-513-5730	Program supplies									
	2754 Total:	45.42								
2761	05/09/2013	25.62	0.00	06/04/2013	Cable ties/Family Fun Fest		-			No 0000
205-504-515-5270	Purchased program services									
	2761 Total:	25.62								
2794	05/09/2013	12.75	0.00	06/04/2013	Cord cover,screws,shelf bracket for PD		-			No 0000
101-420-511-5405	R&M - buildings									
	2794 Total:	12.75								

Invoice #	Inv Date	Amount	Quantity	Pmt Date	Description	Reference	Task	Type	PO #	Close PO Line #
2858	05/10/2013	68.32	0.00	06/04/2013	E-Z reacher for Shelter House		-			No 0000
101-420-511-5730	Program supplies									
	2858 Total:	68.32								
2879	05/21/2013	120.47	0.00	06/04/2013	Cultivator, Sharp bypass for planting		-			No 0000
101-440-513-5680	Landscaping supplies									
	2879 Total:	120.47								
3220	05/22/2013	15.22	0.00	06/04/2013	Ankers, screws, drill bits for PW		-			No 0000
101-420-511-5405	R&M - buildings									
	3220 Total:	15.22								
88536	05/15/2013	44.03	0.00	06/04/2013	Sprinkler hose, couplings for streets		-			No 0000
101-440-513-5680	Landscaping supplies									
	88536 Total:	44.03								
S1748EB1	05/09/2013	35.11	0.00	06/04/2013	Misc Program Supplies		-			No 0000
101-300-512-5730	Program supplies									
	S1748EB1 Total:	35.11								
	LOWES Total:	1,986.19								
Lowe's Business Acc/GECE Total:		1,986.19								
Safeway Inc										
DOMINICK										
33518	05/07/2013	42.63	0.00	06/04/2013	Water and pop for Village Board Meeting		-			No 0000
101-100-511-5840	Meals									
	33518 Total:	42.63								
438095	05/16/2013	4.44	0.00	06/04/2013	Club Kid - Milk for cereal		-			No 0000
205-520-515-5645	Concessions & food									
	438095 Total:	4.44								
727967	05/15/2013	17.62	0.00	06/04/2013	Club Kid - Snack		-			No 0000
205-520-515-5645	Concessions & food									
	727967 Total:	17.62								
	DOMINICK Total:	64.69								
Safeway Inc Total:		64.69								
United States Postal Service										
USPOSTAL										
PB051513	05/15/2013	16.10	0.00	06/04/2013	Pitney Bowes Postage		-			No 0000
101-210-511-5720	Postage									
PB051513	05/15/2013	10.42	0.00	06/04/2013	Pitney Bowes Postage		-			No 0000
101-210-511-5720	Postage									
PB051513	05/15/2013	168.30	0.00	06/04/2013	Pitney Bowes Postage		-			No 0000
101-210-511-5720	Postage									

Invoice #	Inv Date	Amount	Quantity	Pmt Date	Description	Reference	Task	Type	PO #	Close POLine #
PB051513	05/15/2013	11.17	0.00	06/04/2013	Pitney Bowes Postage		-			No 0000
101-210-511-5720	Postage									
PB051513	05/15/2013	95.22	0.00	06/04/2013	Pitney Bowes Postage		-			No 0000
205-500-515-5720	Postage									
PB051513	05/15/2013	41.99	0.00	06/04/2013	Pitney Bowes Postage		-			No 0000
101-210-511-5720	Postage									
PB051513	05/15/2013	53.24	0.00	06/04/2013	Pitney Bowes Postage		-			No 0000
101-210-511-5720	Postage									
PB051513	05/15/2013	182.16	0.00	06/04/2013	Pitney Bowes Postage		-			No 0000
660-610-519-5720	Postage									
	PB051513 Total:	578.60								
	USPOSTAL Total:	578.60								
	United States Postal Service Total:	578.60								
	Report Total:	11,588.99								

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Invoice #	Inv Date	Amount	Quantity	Pmt Date	Description	Reference	Task	Type	PO #	Close POLine #
Advocate Occupational Health										
ADVOCA										
481463	05/01/2013	107.00	0.00	06/04/2013	Drug Screening		-		No	0000
101-200-511-5599	Other contractual									
	481463 Total:	107.00								
481602	05/01/2013	2,827.00	0.00	06/04/2013	Drug Screening		-		No	0000
101-200-511-5599	Other contractual									
	481602 Total:	2,827.00								
	ADVOCA Total:	2,934.00								
Advocate Occupational Health Total:		2,934.00								
Amazon										
AMAZON										
65723965506	05/04/2013	35.42	0.00	06/04/2013	Office Supplies - Administration		-		No	0000
101-200-511-5799	Other materials & supplies									
	65723965506 Total:	35.42								
	AMAZON Total:	35.42								
Amazon Total:		35.42								
American First Aid Services										
AFAS INC										
141974	05/07/2013	78.87	0.00	06/04/2013	First Aid supplies		-		No	0000
205-500-515-5700	Office supplies									
141974	05/07/2013	78.87	0.00	06/04/2013	First Aid supplies		-		No	0000
205-560-515-5730	Program supplies									
141974	05/07/2013	78.86	0.00	06/04/2013	First Aid supplies		-		No	0000
205-571-515-5730	Program supplies									
	141974 Total:	236.60								

Invoice #	Inv Date	Amount	Quantity	Pmt Date	Description	Reference	Task	Type	PO #	Close POLine #
AFAS INC Total:		236.60								
American First Aid Services Total:		236.60								
Arrow Road Construction Co										
ARROWROA										
38409MB	05/10/2013	884.48	0.00	06/04/2013	UPM Cold Patch Material for potholes		-		No	0000
213-000-561-5340	Engineering									
38409MB Total:		884.48								
ARROWROA Total:		884.48								
Arrow Road Construction Co Total:		884.48								
CDW Government										
CDWGOV										
BZ67885	05/01/2013	75.97	0.00	06/04/2013	Hard Drive for laptop		-		No	0000
101-250-511-5640	Computer supplies									
BZ67885 Total:		75.97								
CD74452	05/08/2013	129.65	0.00	06/04/2013	Printer for Pool office computer		-		No	0000
205-560-515-5700	Office supplies									
CD74452 Total:		129.65								
CD80342	05/08/2013	386.86	0.00	06/04/2013	SCADA Project UPN Equipment		-		No	0000
660-610-519-5330	Data processing									
CD80342 Total:		386.86								
CDWGOV Total:		592.48								
CDW Government Total:		592.48								
Classic Design Awards										
CLASSICD										
13-539	05/13/2013	222.00	0.00	06/04/2013	Plaque for Trustees		-		No	0000
101-100-511-5799	Other materials & supplies									
13-539 Total:		222.00								
CLASSICD Total:		222.00								
Classic Design Awards Total:		222.00								

Invoice #	Inv Date	Amount	Quantity	Pmt Date	Description	Reference	Task	Type	PO #	Close POLine #
Coca-Cola Bottling Company										
COCACOLA										
338385825	05/20/2013	1,732.62	0.00	06/04/2013	Concession Stand		-		No	0000
205-563-515-5645	Concessions & food									
	338385825 Total:	1,732.62								
388311108	05/13/2013	150.24	0.00	06/04/2013	Pop for Police Dept pop machine		-		No	0000
101-210-511-5700	Office supplies									
	388311108 Total:	150.24								
	COCACOLA Total:	1,882.86								
Coca-Cola Bottling Company Total:		1,882.86								
Computer Explorers										
COMPUTER										
1263	05/20/2013	630.00	0.00	06/04/2013	TechStarts - Spring 2013		-		No	0000
205-502-515-5270	Purchased program services									
	1263 Total:	630.00								
	COMPUTER Total:	630.00								
Computer Explorers Total:		630.00								
Deluxe Business Checks & Solut										
DELUXEBU										
2027608381	05/15/2013	368.49	0.00	06/04/2013	Laser M/P Checks for A/P		-		No	0000
101-210-511-5700	Office supplies									
	2027608381 Total:	368.49								
	DELUXEBU Total:	368.49								
Deluxe Business Checks & Solut Total:		368.49								
Golf Mill Ford										
GOLFMILL										
331953P	05/08/2013	43.68	0.00	06/04/2013	Tubes for Squad #200		-		No	0000
101-300-512-5480	R&M - vehicles									
	331953P Total:	43.68								
332206P	05/13/2013	37.14	0.00	06/04/2013	ABS Jewels for Squad #214		-		No	0000
101-300-512-5480	R&M - vehicles									
	332206P Total:	37.14								

Invoice #	Inv Date	Amount	Quantity	Pmt Date	Description	Reference	Task	Type	PO #	Close POLine #
GOLFMILL Total:		80.82								
Golf Mill Ford Total:		80.82								
Gopher Sport										
GOPHERSP										
3418033	05/13/2013	898.80	0.00	06/04/2013	Softballs for leagues		-		No	0000
205-540-515-5730	Program supplies									
	3418033 Total:	898.80								
	GOPHERSP Total:	898.80								
Gopher Sport Total:		898.80								
Grainger										
GRAINGER										
9108502346	05/08/2013	264.67	0.00	06/04/2013	Lamps for underwater at pool		-		No	0000
205-560-515-5499	R&M - other									
	9108502346 Total:	264.67								
9137209897	05/08/2013	915.73	0.00	06/04/2013	Lamps for underwater at pool		-		No	0000
205-560-515-5499	R&M - other									
	9137209897 Total:	915.73								
	GRAINGER Total:	1,180.40								
Grainger Total:		1,180.40								
Grossinger Autoplex										
GROSSING										
297083CDR	05/06/2013	10.41	0.00	06/04/2013	Fittings for Squad #3		-		No	0000
101-300-512-5480	R&M - vehicles									
	297083CDR Total:	10.41								
	GROSSING Total:	10.41								
Grossinger Autoplex Total:		10.41								
Halogen										
HALOGEN										
434531	05/16/2013	134.64	0.00	06/04/2013	Filter room parts		-		No	0000
205-560-515-5405	R&M - buildings									
	434531 Total:	134.64								

Invoice #	Inv Date	Amount	Quantity	Pmt Date	Description	Reference	Task	Type	PO #	Close POLine #
	HALOGEN Total:	134.64								
	Halogen Total:	134.64								
Hoving Pit Stop										
HOVING										
67111	05/16/2013	51.43	0.00	06/04/2013	Portable toilet at Centennial		-		No	0000
205-430-515-5730	Program supplies									
	67111 Total:	51.43								
	HOVING Total:	51.43								
	Hoving Pit Stop Total:	51.43								
Illinois City/County Management										
ILCMA										
05152013	05/15/2013	744.75	0.00	06/04/2013	ILCMA/IAMMA Memberships		-		No	0000
101-200-511-5570	Professional associations									
	05152013 Total:	744.75								
	ILCMA Total:	744.75								
	Illinois City/County Management Total:	744.75								
Illinois Dept of Public Health										
ILDEPT										
05102013	05/10/2013	75.00	0.00	06/04/2013	Ambulance license application fees		-		No	0000
101-350-512-5540	Intergovernmental fees & dues									
	05102013 Total:	75.00								
	ILDEPT Total:	75.00								
	Illinois Dept of Public Health Total:	75.00								
Illinois Environmental Protection										
ILLINOI										
IEPA#9	05/08/2013	129,326.08	0.00	06/04/2013	IEPA Water Loan repayment/Principal		-		No	0000
660-000-573-7380	Loan Principal Payments									
IEPA#9	05/08/2013	60,752.03	0.00	06/04/2013	IEPA Water Loan repayment/Interest		-		No	0000
660-000-574-7580	Loan Interest Payments									
	IEPA#9 Total:	190,078.11								

Invoice #	Inv Date	Amount	Quantity	Pmt Date	Description	Reference	Task	Type	PO #	Close POLine #
ILLINOI Total:		190,078.11								
Illinois Environmental Protect Total:		190,078.11								
Katsibaros Stacy										
KATSIBA										
SK0471713	05/13/2013	48.48	0.00	06/04/2013	Replace lost payroll check		-		No	0000
102-000-110-1010	Payroll Cash									
SK0471713 Total:		48.48								
KATSIBA Total:		48.48								
Katsibaros Stacy Total:		48.48								
Leavitt Harice										
LEAVITTH										
UTR12	05/14/2013	87.27	0.00	06/04/2013	2012 Utility Tax Rebate		-		No	0000
101-000-410-4050	Utility tax - electric									
UTR12	05/14/2013	41.94	0.00	06/04/2013	2012 Utility Tax Rebate		-		No	0000
101-000-410-4055	Utility tax - natural gas									
UTR12	05/14/2013	20.81	0.00	06/04/2013	2012 Utility Tax Rebate		-		No	0000
101-000-410-4060	Telecommunications tax									
UTR12 Total:		150.02								
LEAVITTH Total:		150.02								
Leavitt Harice Total:		150.02								
Lifeline Theatre										
LIFELINE										
321213	05/21/2013	130.00	0.00	06/04/2013	Camp Entertainment		-		No	0000
205-520-515-5645	Concessions & food									
321213 Total:		130.00								
LIFELINE Total:		130.00								
Lifeline Theatre Total:		130.00								
Madison National Life										
MADISON										
1093241	05/16/2013	201.60	0.00	06/04/2013	June Premium		-		No	0000
101-200-511-5150	Insurance - group life & AD&D									

Invoice #	Inv Date	Amount	Quantity	Pmt Date	Description	Reference	Task	Type	PO #	Close POLine #
1093241	05/16/2013	61.34	0.00	06/04/2013	June Premium		-		No	0000
101-210-511-5150	Insurance - group life & AD&D									
1093241	05/16/2013	77.62	0.00	06/04/2013	June Premium		-		No	0000
101-240-517-5150	Insurance - group life & AD&D									
1093241	05/16/2013	596.01	0.00	06/04/2013	June Premium		-		No	0000
101-300-512-5150	Insurance - group life & AD&D									
1093241	05/16/2013	11.04	0.00	06/04/2013	June Premium		-		No	0000
101-350-512-5150	Insurance - group life & AD&D									
1093241	05/16/2013	88.84	0.00	06/04/2013	June Premium		-		No	0000
101-400-511-5150	Insurance - group life & AD&D									
1093241	05/16/2013	31.23	0.00	06/04/2013	June Premium		-		No	0000
101-410-511-5150	Insurance - group life & AD&D									
1093241	05/16/2013	87.89	0.00	06/04/2013	June Premium		-		No	0000
101-440-513-5150	Insurance - group life & AD&D									
1093241	05/16/2013	65.83	0.00	06/04/2013	June Premium		-		No	0000
205-430-515-5150	Insurance - group life & AD&D									
1093241	05/16/2013	84.73	0.00	06/04/2013	June Premium		-		No	0000
205-500-515-5150	Insurance - group life & AD&D									
1093241	05/16/2013	86.96	0.00	06/04/2013	June Premium		-		No	0000
660-620-519-5150	Insurance - group life & AD&D									
	1093241 Total:	1,393.09								
	MADISON Total:	1,393.09								
	Madison National Life Total:	1,393.09								
Meinke's Garden Center Inc										
MEINKES										
899950	05/16/2013	18.50	0.00	06/04/2013	Rose bush for Community Center		-		No	0000
101-160-511-5680	Landscaping supplies									
	899950 Total:	18.50								
	MEINKES Total:	18.50								
	Meinke's Garden Center Inc Total:	18.50								
Merkel Bob										
MERKELB										
REIM060113RM	06/01/2013	306.80	0.00	06/04/2013	Reimbursement -		-		No	0000
101-210-511-5850	Purchased transportation				Transportation/GFOA Conf					
	REIM060113RM Total:	306.80								
	MERKELB Total:	306.80								

Invoice #	Inv Date	Amount	Quantity	Pmt Date	Description	Reference	Task	Type	PO #	Close POLine #
Merkel Bob Total:		306.80								
Midwest Fuel Injection										
MIDWESTF										
N359342	05/13/2013	1,224.03	0.00	06/04/2013	Injector pump rebuild for Tractor #3		-		No	0000
101-440-513-5480	R&M - vehicles									
	N359342 Total:	1,224.03								
	MIDWESTF Total:	1,224.03								
Midwest Fuel Injection Total:		1,224.03								
Noble Industrial Supply										
NOBLE										
97757	03/06/2013	228.69	0.00	06/04/2013	Turnout gear cleaner		-		No	0000
101-350-512-5730	Program supplies									
	97757 Total:	228.69								
	NOBLE Total:	228.69								
Noble Industrial Supply Total:		228.69								
North Suburban Employee Benefi										
NSUBDENT										
Jun-13	05/14/2013	8,832.00	0.00	06/04/2013	Dental bill - June 2013		-		No	0000
102-000-210-2028	Dental insurance premium withh									
	Jun-13 Total:	8,832.00								
	NSUBDENT Total:	8,832.00								
North Suburban Employee Benefi Total:		8,832.00								
Northeastern Illinois Universi										
NORTHIL										
5172013	05/17/2013	150.00	0.00	06/04/2013	Pool Space usage guard training		-		No	0000
205-560-515-5590	Training									
	5172013 Total:	150.00								
	NORTHIL Total:	150.00								
Northeastern Illinois Universi Total:		150.00								

Invoice #	Inv Date	Amount	Quantity	Pmt Date	Description	Reference	Task	Type	PO #	Close POLine #
Northern Illinois Swim Confere										
NORTHERN										
2013-07	04/23/2013	320.00	0.00	06/04/2013	Swim conference dues		-		No	0000
205-562-515-5730	Program supplies									
2013-07	04/23/2013	187.50	0.00	06/04/2013	Ribbons		-		No	0000
205-562-515-5730	Program supplies									
	2013-07 Total:	507.50								
	NORTHERN Total:	507.50								
Northern Illinois Swim Confere Total:		507.50								
Northwest Municipal Conference										
NWMNCCON										
9434	05/17/2013	6,421.00	0.00	06/04/2013	Annual Membership fees - NWMC		-		No	0000
101-100-511-5540	Intergovernmental fees & dues									
	9434 Total:	6,421.00								
	NWMNCCON Total:	6,421.00								
Northwest Municipal Conference Total:		6,421.00								
Orange Crush LLC										
ORANGCRH										
432743	05/09/2013	157.08	0.00	06/04/2013	Mod surface		-		No	0000
213-000-561-5340	Engineering									
	432743 Total:	157.08								
433468	05/17/2013	312.12	0.00	06/04/2013	Mod Surface		-		No	0000
213-000-561-5340	Engineering									
	433468 Total:	312.12								
	ORANGCRH Total:	469.20								
Orange Crush LLC Total:		469.20								
Original Watermen										
ORIGINAL										
22962	05/17/2013	2,306.92	0.00	06/04/2013	Staff uniforms		-		No	0000
205-560-515-5730	Program supplies									
	22962 Total:	2,306.92								
	ORIGINAL Total:	2,306.92								

Invoice #	Inv Date	Amount	Quantity	Pmt Date	Description	Reference	Task	Type	PO #	Close POLine #
Original Watermen Total:		2,306.92								
<hr/>										
Pioneer Press										
PIONEERP										
336275	04/19/2013	60.00	0.00	06/04/2013	2 year subscription/Lincolnwood Review		-		No	0000
101-100-511-5620	Books & publications									
	336275 Total:	60.00								
	PIONEERP Total:	60.00								
<hr/>										
Pioneer Press Total:		60.00								
<hr/>										
Print Xpress										
PRINTX										
50601	05/06/2013	250.00	0.00	06/04/2013	Summer concert series postcards		-		No	0000
205-504-515-5560	Printing & copying services									
	50601 Total:	250.00								
	PRINTX Total:	250.00								
<hr/>										
Print Xpress Total:		250.00								
<hr/>										
Printwell Printing										
PRINTWEL										
43232	05/16/2013	78.00	0.00	06/04/2013	business Cards for Trustee		-		No	0000
101-200-511-5560	Printing & copying services									
	43232 Total:	78.00								
	PRINTWEL Total:	78.00								
<hr/>										
Printwell Printing Total:		78.00								
<hr/>										
Psisteria Greek Tavern										
PSIS										
05072013	05/07/2013	210.00	0.00	06/04/2013	Dinner for May 7 Village Board Meeting		-		No	0000
101-100-511-5840	Meals									
05072013	05/07/2013	15.00	0.00	06/04/2013	Tip		-		No	0000
101-100-511-5840	Meals									
	05072013 Total:	225.00								
	PSIS Total:	225.00								
<hr/>										

Invoice #	Inv Date	Amount	Quantity	Pmt Date	Description	Reference	Task	Type	PO #	Close POLine #
Psisteria Greek Tavern Total:		225.00								
Rackspace Hosting										
RACKSPAC										
100881100	05/05/2013	1,133.00	0.00	06/04/2013	On Line pool pass hosting service		-		No	0000
205-560-515-5640	Computer supplies									
	100881100 Total:	1,133.00								
	RACKSPAC Total:	1,133.00								
Rackspace Hosting Total:		1,133.00								
Regional Emergency Dispatch										
REGIONAL										
222-14-06	05/15/2013	12,888.30	0.00	06/04/2013	June 2013 dues		-		No	0000
101-350-512-5599	Other contractual									
	222-14-06 Total:	12,888.30								
	REGIONAL Total:	12,888.30								
Regional Emergency Dispatch Total:		12,888.30								
Santo Sport Store										
SANTOSP										
64585	05/13/2013	569.75	0.00	06/04/2013	Tennis nets		-		No	0000
205-430-515-5470	R&M - Recreation equipment									
	64585 Total:	569.75								
	SANTOSP Total:	569.75								
Santo Sport Store Total:		569.75								
Simplex Grinnell										
SIMPLEX										
68925771	05/09/2013	678.50	0.00	06/04/2013	Fire Alarm service		-		No	0000
205-560-515-5499	R&M - other									
	68925771 Total:	678.50								
	SIMPLEX Total:	678.50								
Simplex Grinnell Total:		678.50								

Invoice #	Inv Date	Amount	Quantity	Pmt Date	Description	Reference	Task	Type	PO #	Close POLine #
The Faucet Shoppe										
THEFAUCE										
32075	05/03/2013	122.45	0.00	06/04/2013	Washers, gaskets for Parks		-		No	0000
205-430-515-5730	Program supplies									
	32075 Total:	122.45								
	THEFAUCE Total:	122.45								
The Faucet Shoppe Total:		122.45								
United States Postal Service										
USPOSTMA										
Permit #113	05/20/2013	774.80	0.00	06/04/2013	Postage for July/August Newsletter		-		No	0000
101-100-511-5565	Village Newsletter									
	Permit #113 Total:	774.80								
	USPOSTMA Total:	774.80								
United States Postal Service Total:		774.80								
Wells Fargo Corporate Trust Se										
WELF										
960452	05/01/2013	125.00	0.00	06/04/2013	Administration Fees/paying agent fee		-		No	0000
330-000-571-7100	Fiscal charges									
960452	05/01/2013	125.00	0.00	06/04/2013	Administration Fees/paying agent fee		-		No	0000
217-000-529-7100	Fiscal Charges									
	960452 Total:	250.00								
960453	05/01/2013	250.00	0.00	06/04/2013	Administration Fees/paying agent fee		-		No	0000
217-000-529-7100	Fiscal Charges									
	960453 Total:	250.00								
	WELF Total:	500.00								
Wells Fargo Corporate Trust Se Total:		500.00								
Work' N Gear, LLC										
WRKNGEAR										
HA11566	05/01/2013	10.50	0.00	06/04/2013	Clothing Allowance		-		No	0000
101-440-513-5070	Uniform allowance									
HA11566	05/01/2013	222.48	0.00	06/04/2013	Clothing Allowance		-		No	0000
660-620-519-5070	Uniform allowance									
	HA11566 Total:	232.98								

Invoice #	Inv Date	Amount	Quantity	Pmt Date	Description	Reference	Task	Type	PO #	Close POLine #
HA11569	05/01/2013	394.97	0.00	06/04/2013	Clothing Allowance		-			No 0000
205-430-515-5070	Uniform allowance									
	HA11569 Total:	394.97								
HA11572	05/01/2013	211.99	0.00	06/04/2013	Clothing Allowance		-			No 0000
101-440-513-5070	Uniform allowance									
	HA11572 Total:	211.99								
	WRKNGEAR Total:	839.94								
	Work' N Gear, LLC Total:	839.94								
	Report Total:	241,346.66								

Accounts Payable To Be Paid Proof List

User: jmm
 Printed: 05/28/2013 - 3:56 PM
 Batch: 104-06-2013



Invoice #	Inv Date	Amount	Quantity	Pmt Date	Description	Reference	Task	Type	PO #	Close POLine #
Adorama Camera, Inc.										
ADORAMA										
13442514	05/10/2013	659.00	0.00	06/04/2013	Evidence Technician Camera & Access.		-		No	0000
101-300-512-5730	Program supplies									
	13442514 Total:	659.00								
13442704	05/10/2013	1,193.95	0.00	06/04/2013	Evidence Technician Camera & Access.		-		No	0000
101-300-512-5730	Program supplies									
	13442704 Total:	1,193.95								
13442715	05/10/2013	145.00	0.00	06/04/2013	Evidence Technician Camera & Access.		-		No	0000
101-300-512-5730	Program supplies									
	13442715 Total:	145.00								
	ADORAMA Total:	1,997.95								
	Adorama Camera, Inc. Total:	1,997.95								
Aftermath Inc.										
AFTERMAT										
JC2013-0923	05/21/2013	105.00	0.00	06/04/2013	Cell decontamination		-		No	0000
101-300-512-5405	R&M - buildings									
	JC2013-0923 Total:	105.00								
	AFTERMAT Total:	105.00								
	Aftermath Inc. Total:	105.00								
Air One Equipment										
AIRONE										
87865	05/16/2013	1,960.00	0.00	06/04/2013	Boots		-		No	0000
101-350-512-5665	Firefighting supplies									
	87865 Total:	1,960.00								

Invoice #	Inv Date	Amount	Quantity	Pmt Date	Description	Reference	Task	Type	PO #	Close POLine #	
AIRONE Total:		1,960.00									
Air One Equipment Total:		1,960.00									
American First Aid Services											
AFAS INC											
141978	05/07/2013	82.40	0.00	06/04/2013	First Aid refills		-		No	0000	
101-400-511-5730	Program supplies										
	141978 Total:	82.40									
	AFAS INC Total:	82.40									
American First Aid Services Total:		82.40									
Averus											
AVERIS											
8135611	05/15/2013	709.15	0.00	06/04/2013	Hinge kit installed in kitchen		-		No	0000	
101-350-512-5499	R&M - other										
	8135611 Total:	709.15									
	AVERIS Total:	709.15									
Averus Total:		709.15									
Canon Solutions America											
CANN											
987995146	05/16/2013	251.65	0.00	06/04/2013	Maintenance for plotter		-		No	0000	
101-210-511-5440	R&M - office equipment										
	987995146 Total:	251.65									
	CANN Total:	251.65									
Canon Solutions America Total:		251.65									
Canon Solutions America, Inc											
CANONSOL											
4009326542	05/01/2013	22.66	0.00	06/04/2013	Copier Usage - March 2013		-		No	0000	
101-210-511-5440	R&M - office equipment										
4009326542	05/01/2013	14.93	0.00	06/04/2013	Copier Usage - April 2013		-		No	0000	
101-210-511-5440	R&M - office equipment										
	4009326542 Total:	37.59									

Invoice #	Inv Date	Amount	Quantity	Pmt Date	Description	Reference	Task	Type	PO #	Close POLine #
4009518490	05/01/2013	33.00	0.00	06/04/2013	Maintenance Copier IM 3511 - May 2013		-			No 0000
101-210-511-5440	R&M - office equipment									
	4009518490 Total:	33.00								
	CANONSOL Total:	70.59								
Canon Solutions America, Inc Total:		70.59								
Cassidy Tire										
CASSIDYT										
2181932	05/09/2013	147.54	0.00	06/04/2013	Tires for Squad MP1120		-			No 0000
101-300-512-5480	R&M - vehicles									
	2181932 Total:	147.54								
2181987	05/09/2013	590.16	0.00	06/04/2013	Tires for Squad MP1068		-			No 0000
101-300-512-5480	R&M - vehicles									
	2181987 Total:	590.16								
2182034	05/17/2013	142.54	0.00	06/04/2013	Tires for Squad MP1123		-			No 0000
101-300-512-5480	R&M - vehicles									
	2182034 Total:	142.54								
	CASSIDYT Total:	880.24								
Cassidy Tire Total:		880.24								
CDW Government										
CDWGOV										
CH80481	05/16/2013	637.76	0.00	06/04/2013	Computer Supplies		-			No 0000
101-300-512-5640	Computer supplies									
	CH80481 Total:	637.76								
	CDWGOV Total:	637.76								
CDW Government Total:		637.76								
Cormalleth David										
CORMALL										
13-2085	02/22/2013	200.00	0.00	06/04/2013	Reimbursement - 50/50 Animal Control		-			No 0000
101-400-511-5210	Animal control									
	13-2085 Total:	200.00								
	CORMALL Total:	200.00								

Invoice #	Inv Date	Amount	Quantity	Pmt Date	Description	Reference	Task	Type	PO #	Close POLine #
Cormalleth David Total:		200.00								
Dash Medical Gloves										
DASHMEDG										
INV0796272	05/13/2013	32.95	0.00	06/04/2013	Latex Gloves for Evidence Tech		-		No	0000
101-300-512-5730	Program supplies									
INV0796272	05/13/2013	-5.00	0.00	06/04/2013	Discount Coupon		-		No	0000
101-300-512-5730	Program supplies									
INV0796272	05/13/2013	32.95	0.00	06/04/2013	Latex Gloves for Evidence Tech		-		No	0000
101-300-512-5730	Program supplies									
INV0796272 Total:		60.90								
DASHMEDG Total:		60.90								
Dash Medical Gloves Total:		60.90								
Dell Marketing, L.P										
DELLMARK										
XJ4XT9433	05/06/2013	97.99	0.00	06/04/2013	Primary battery for Laptop		-		No	0000
101-300-512-5640	Computer supplies									
XJ4XT9433 Total:		97.99								
DELLMARK Total:		97.99								
Dell Marketing, L.P Total:		97.99								
Douglas Truck Parts										
DOUGTK										
56454	05/10/2013	14.01	0.00	06/04/2013	Clutch cable for Water Dept trailers		-		No	0000
660-620-519-5480	R&M - vehicles									
56454 Total:		14.01								
56455	05/10/2013	37.75	0.00	06/04/2013	Equipment tester for Water Dept trailer		-		No	0000
660-620-519-5480	R&M - vehicles									
56455 Total:		37.75								
56655	05/15/2013	54.50	0.00	06/04/2013	Gloves & Brake cleaner for PW Shop		-		No	0000
101-410-511-5730	Program supplies									
56655 Total:		54.50								
DOUGTK Total:		106.26								
Douglas Truck Parts Total:		106.26								

Invoice #	Inv Date	Amount	Quantity	Pmt Date	Description	Reference	Task	Type	PO #	Close POLine #
Fastenal										
FASTENAL										
ILNIL34321	05/13/2013	392.54	0.00	06/04/2013	Shop Supplies		-		No	0000
101-410-511-5730	Program supplies									
	ILNIL34321 Total:	392.54								
	FASTENAL Total:	392.54								
		<hr/>								
	Fastenal Total:	392.54								
		<hr/>								
Friedman Joan										
FRIEDJ										
05142013	05/14/2013	24.00	0.00	06/04/2013	Refund - Magic		-		No	0000
205-000-210-2430	Parks and Recs Control Deposit									
	05142013 Total:	24.00								
	FRIEDJ Total:	24.00								
		<hr/>								
	Friedman Joan Total:	24.00								
		<hr/>								
HMO Healthcare Service Corpora										
HMO										
0541	05/15/2013	28,483.18	0.00	06/04/2013	Employee Health Insurance - June 2013		-		No	0000
102-000-210-2027	Health insurance premium withh									
	0541 Total:	28,483.18								
	HMO Total:	28,483.18								
		<hr/>								
	HMO Healthcare Service Corpora Total:	28,483.18								
		<hr/>								
ICMA Membership Renewals										
ICMAMEMB										
3/20/3285	05/23/2013	359.36	0.00	06/04/2013	ICMA Membership renewal		-		No	0000
101-400-511-5570	Professional associations									
	3/20/3285 Total:	359.36								
	ICMAMEMB Total:	359.36								
		<hr/>								
	ICMA Membership Renewals Total:	359.36								
		<hr/>								

Invoice #	Inv Date	Amount	Quantity	Pmt Date	Description	Reference	Task	Type	PO #	Close POLine #
Illinois City/County Managemen										
ILCMA										
05162013	05/16/2013	210.82	0.00	06/04/2013	Illinois City Council Mgmt		-		No	0000
101-400-511-5570	Professional associations				/Membership					
	05162013 Total:	210.82								
	ILCMA Total:	210.82								
Illinois City/County Managemen Total:		210.82								
JCK Contractors										
JCKCONT										
11485	05/18/2013	700.00	0.00	06/04/2013	Two loads of top soil		-		No	0000
101-440-513-5680	Landscaping supplies									
	11485 Total:	700.00								
	JCKCONT Total:	700.00								
JCK Contractors Total:		700.00								
John E Reid & Associates										
JREID										
141483	05/20/2013	400.00	0.00	06/04/2013	Polygraph - Police Officer Applicants		-		No	0000
101-200-511-5599	Other contractual									
	141483 Total:	400.00								
	JREID Total:	400.00								
John E Reid & Associates Total:		400.00								
Kramarz David										
KRAMARZ										
51274160103	05/02/2013	40.71	0.00	06/04/2013	Fuel reimbursement		-		No	0000
101-300-512-5670	Fuel									
	51274160103 Total:	40.71								
	KRAMARZ Total:	40.71								
Kramarz David Total:		40.71								

Invoice #	Inv Date	Amount	Quantity	Pmt Date	Description	Reference	Task	Type	PO #	Close PO Line #
LeadsOnline LLC										
LEADS										
224536	05/20/2013	2,238.00	0.00	06/04/2013	Annual Subscription fee - May 13-May 14		-		No	0000
101-300-512-5399	Other professional services									
	224536 Total:	2,238.00								
	LEADS Total:	2,238.00								
	LeadsOnline LLC Total:	2,238.00								
Lee Auto Parts										
LEEAUTOP										
442-238993	05/10/2013	6.98	0.00	06/04/2013	Air filter for fan		-		No	0000
101-420-511-5405	R&M - buildings									
	442-238993 Total:	6.98								
	LEEAUTOP Total:	6.98								
	Lee Auto Parts Total:	6.98								
Maine-Niles Association of Spe										
MNASR										
13-083	05/10/2013	354.12	0.00	06/04/2013	Inclusion Services - May A, 2013		-		No	0000
205-580-515-5270	Purchased program services									
	13-083 Total:	354.12								
	MNASR Total:	354.12								
	Maine-Niles Association of Spe Total:	354.12								
New Pig Corporation										
NEWPIG										
21126241-00	05/10/2013	1,085.59	0.00	06/04/2013	Spill containers and tray for oil drums		-		No	0000
101-410-511-5745	Small tools									
	21126241-00 Total:	1,085.59								
	NEWPIG Total:	1,085.59								
	New Pig Corporation Total:	1,085.59								

Invoice #	Inv Date	Amount	Quantity	Pmt Date	Description	Reference	Task	Type	PO #	Close POLine #
Northern Illinois Police Alar										
NTILPALS										
9049	05/13/2013	50.00	0.00	06/04/2013	Annual NIPAS meeting - 5-13-13		-		No	0000
101-300-512-5810	Conference & meeting registrat									
	9049 Total:	50.00								
9105	05/22/2013	64.80	0.00	06/04/2013	Language Line - Mandarin		-		No	0000
101-300-512-5580	Telephone									
	9105 Total:	64.80								
	NTILPALS Total:	114.80								
Northern Illinois Police Alar Total:		114.80								
Northwest Police Academy										
NWPDACAD										
NWPA5-9-13	05/13/2013	75.00	0.00	06/04/2013	FOIA for Law Enforcement Execs		-		No	0000
101-300-512-5590	Training									
	NWPA5-9-13 Total:	75.00								
	NWPDACAD Total:	75.00								
Northwest Police Academy Total:		75.00								
Orange Crush LLC										
ORANGCRH										
432290	05/03/2013	309.57	0.00	06/04/2013	Mod Surface		-		No	0000
213-000-561-5340	Engineering									
	432290 Total:	309.57								
433837	05/22/2013	351.12	0.00	06/04/2013	Mod Surface		-		No	0000
213-000-561-5340	Engineering									
	433837 Total:	351.12								
	ORANGCRH Total:	660.69								
Orange Crush LLC Total:		660.69								
Pioneer Press										
PIONEERP										
2013385-2-13	05/02/2013	32.00	0.00	06/04/2013	Subscription renewal July 13-July 14		-		No	0000
101-300-512-5620	Books & publications									
	2013385-2-13 Total:	32.00								

Invoice #	Inv Date	Amount	Quantity	Pmt Date	Description	Reference	Task	Type	PO #	Close POLine #
	PIONEERP Total:	32.00								
	Pioneer Press Total:	32.00								
Rogoff Anna ROGOFF										
05142013	05/14/2013	349.00	0.00	06/04/2013	Refund - Misc Classes		-		No	0000
205-000-210-2430	Parks and Recs Control Deposit									
	05142013 Total:	349.00								
	ROGOFF Total:	349.00								
	Rogoff Anna Total:	349.00								
Shore Galleries SHOREGAL										
93316	05/14/2013	35.00	0.00	06/04/2013	Range materials/supplies		-		No	0000
101-300-512-5610	Ammunition & range supplies									
	93316 Total:	35.00								
93324	05/21/2013	71.00	0.00	06/04/2013	Uniform Allowance		-		No	0000
101-300-512-5070	Uniform allowance									
	93324 Total:	71.00								
	SHOREGAL Total:	106.00								
	Shore Galleries Total:	106.00								
Simpson Megan SIMPSON										
05132013	05/13/2013	25.00	0.00	06/04/2013	Refund - Little Lincolns		-		No	0000
205-000-210-2430	Parks and Recs Control Deposit									
	05132013 Total:	25.00								
	SIMPSON Total:	25.00								
	Simpson Megan Total:	25.00								
Standard Equipment Company STANDARD										
C83434	05/08/2013	119.34	0.00	06/04/2013	Ring, Washer for Sweeper #2		-		No	0000
101-440-513-5480	R&M - vehicles									
	C83434 Total:	119.34								

Invoice #	Inv Date	Amount	Quantity	Pmt Date	Description	Reference	Task	Type	PO #	Close POLine #
C83435	05/09/2013	1,830.81	0.00	06/04/2013	Pivot for Sweeper #2		-			No 0000
101-440-513-5480	R&M - vehicles									
	C83435 Total:	1,830.81								
	STANDARD Total:	1,950.15								
Standard Equipment Company Total:		1,950.15								
Suburban Laboratories, Inc.										
SUBURB										
27707	05/15/2013	67.50	0.00	06/04/2013	Coliform Testing and disinfectant		-			No 0000
660-620-519-5320	Consulting									
	27707 Total:	67.50								
	SUBURB Total:	67.50								
Suburban Laboratories, Inc. Total:		67.50								
Sunnyside Parts Warehouse										
SUNNYPAR										
199870	05/14/2013	191.49	0.00	06/04/2013	Allternator for Squad #211		-			No 0000
101-300-512-5480	R&M - vehicles									
	199870 Total:	191.49								
	SUNNYPAR Total:	191.49								
Sunnyside Parts Warehouse Total:		191.49								
Tyco Integrated Security, LLC										
ADTSS										
96962030	05/11/2013	300.75	0.00	06/04/2013	Alarm system Annual fee - Pump House		-			No 0000
660-610-519-5340	Maintenance Agreement Expense									
	96962030 Total:	300.75								
	ADTSS Total:	300.75								
Tyco Integrated Security, LLC Total:		300.75								
VCG Uniform										
VCGUNIFO										
7369	05/17/2013	304.90	0.00	06/04/2013	Uniform Allowance		-			No 0000
101-300-512-5070	Uniform allowance									
	7369 Total:	304.90								

Invoice #	Inv Date	Amount	Quantity	Pmt Date	Description	Reference	Task	Type	PO #	Close POLine #
	VCGUNIFO Total:	304.90								
	VCG Uniform Total:	304.90								
Village of Glenview										
VILLAGEG										
6386	05/15/2013	2,615.23	0.00	06/04/2013	Reimbursement - Code Enforcement Officer		-		No	0000
101-300-512-5399	Other professional services									
	6386 Total:	2,615.23								
	VILLAGEG Total:	2,615.23								
	Village of Glenview Total:	2,615.23								
Warehouse Direct										
WAREHOUS										
1932341-0	05/02/2013	122.83	0.00	06/04/2013	Office Supplies		-		No	0000
101-300-512-5730	Program supplies									
	1932341-0 Total:	122.83								
1932774-0	05/02/2013	115.80	0.00	06/04/2013	Office Supplies		-		No	0000
101-400-511-5700	Office supplies									
	1932774-0 Total:	115.80								
1935260-0	05/03/2013	29.66	0.00	06/04/2013	Office Supplies		-		No	0000
101-210-511-5700	Office supplies									
	1935260-0 Total:	29.66								
1946437-0	05/15/2013	30.19	0.00	06/04/2013	Office Supplies		-		No	0000
101-400-511-5700	Office supplies									
	1946437-0 Total:	30.19								
1949485-0	05/17/2013	399.62	0.00	06/04/2013	Office Supplies		-		No	0000
101-210-511-5700	Office supplies									
	1949485-0 Total:	399.62								
1949486-0	05/17/2013	38.28	0.00	06/04/2013	Office Supplies		-		No	0000
101-350-512-5700	Office supplies									
	1949486-0 Total:	38.28								
	WAREHOUS Total:	736.38								
	Warehouse Direct Total:	736.38								
	Report Total:	48,984.08								

Request For Board Action

REFERRED TO BOARD: June 4, 2013

AGENDA ITEM NO: 1

ORIGINATING DEPARTMENT: Village Manager's Office

SUBJECT: Approval of an Ordinance Waiving Section 6-3-9 (I) of the Municipal Code to Allow the American Legion to Conduct Bingo in Proesel Park for the 2013 Lincolnwood Fest

SUMMARY AND BACKGROUND OF SUBJECT MATTER:

The Lincolnwood American Legion Post #1226 has made a request to allow bingo games to be played for a fee in Proesel Park during the annual Lincolnwood Fest, which will be held August 1 through August 4, 2013. Proceeds from bingo are proposed to be divided in half between the Lincolnwood Fest and American Legion Post #1226.

The bingo games will be played on the following dates and times:

Friday, August 2-5:00 p.m. until 10:00 p.m.

Saturday, August 3- 5:00 p.m. until 10:00 p.m.

Sunday, August 4-5:00 p.m. until 10:00 p.m.

FINANCIAL IMPACT:

None.

DOCUMENTS ATTACHED:

1. Proposed Ordinance
2. Letter Requesting Permission for Bingo Games

RECOMMENDED MOTION:

Move to approve a request to allow bingo games at the 2013 Lincolnwood Fest.

VILLAGE OF LINCOLNWOOD

ORDINANCE NO. 2013-_____

**AN ORDINANCE WAIVING THE ENFORCEMENT OF SECTION 6-3-9(I)
OF THE MUNICIPAL CODE OF LINCOLNWOOD
FOR BINGO GAMES DURING LINCOLNWOOD FEST 2013**

ADOPTED BY THE PRESIDENT AND
BOARD OF TRUSTEES OF THE VILLAGE
OF LINCOLNWOOD THIS ____ DAY OF
JUNE, 2013.

Published in pamphlet form by the authority of
the President and Board of Trustees of the
Village of Lincolnwood, Cook County, Illinois
this ____ day of _____, 2013

ORDINANCE NO. 2013-____

**AN ORDINANCE WAIVING THE ENFORCEMENT OF SECTION 6-3-9(I)
OF THE MUNICIPAL CODE OF LINCOLNWOOD
FOR BINGO GAMES DURING LINCOLNWOOD FEST 2013**

WHEREAS, the Village of Lincolnwood is a home rule municipality in accordance with Article VII, Section 6(a) of the Constitution of the State of Illinois of 1970; and

WHEREAS, Lincolnwood Friends of the Community Center will host a carnival, festival and fair in Proesel Park ("**Park**") in the Village from August 1 through August 4, 2013, to be known as "**Lincolnwood Fest 2013**"; and

WHEREAS, the Lincolnwood American Legion Post #1226 desires to conduct bingo games in the Park from 5:00 p.m. until 10:00 p.m. on August 2, 3, and 4, 2013 as part of Lincolnwood Fest 2013 ("**Proposed Bingo Games**"); and

WHEREAS, pursuant to Section 6-3-9(I) of the Municipal Code of Lincolnwood, as amended ("**Village Code**"), gambling is prohibited in the Park; and

WHEREAS, the President and Board of Trustees have determined that it will serve and be in the best interests of the Village to waive the enforcement of Section 6-3-9(I) of the Village Code for the Proposed Bingo Games;

NOW, THEREFORE, BE IT ORDAINED BY THE PRESIDENT AND BOARD OF TRUSTEES OF THE VILLAGE OF LINCOLNWOOD, COOK COUNTY, ILLINOIS, as follows:

SECTION 1. RECITALS. The facts and statements contained in the preamble to this Ordinance are found to be true and correct and are hereby adopted as part of this Ordinance.

SECTION 2. WAIVER. The President and Board of Trustees hereby waive the enforcement of Section 6-3-9(I) of the Village Code to allow the Proposed Bingo Games during Lincolnwood Fest 2013.

SECTION 3. SEVERABILITY. If any provision of this Ordinance or part thereof is held invalid by a court of competent jurisdiction, the remaining provisions of this Ordinance shall remain in full force and effect, and shall be interpreted, applied, and enforced so as to achieve, as near as may be, the purpose and intent of this Ordinance to the greatest extent permitted by applicable law.

SECTION 4. EFFECTIVE DATE. This Ordinance shall be in full force and effect from and after its passage, approval, and publication in the manner provided by law.

[SIGNATURE PAGE FOLLOWS]

PASSED this _____ day of June, 2013.

AYES: _____

NAYS: _____

ABSENT: _____

ABSTENTION: _____

APPROVED by me this _____ day of June, 2013.

Gerald C. Turry, President
Village of Lincolnwood, Cook County, Illinois

ATTESTED and FILED in my office the
_____ day of June, 2013.

Beryl Herman, Village Clerk
Village of Lincolnwood, Cook County, Illinois
#23320951_v1

On May 14, 2013, at 2:23 AM, "Rannochio, Daisy" <DRannochio@lwd.org> wrote:

May 14, 2013

Mr. Gerald Turry,
Village President
6900 N Lincoln Ave
Lincolnwood, IL 60712

Dear Mr. Turry,

The Lincolnwood American Legion Post #1226 is requesting permission to run bingo games at Proesel Park, 6900 Lincoln Ave on village property during the annual Lincolnwood Fest which will be held Aug 1st to Aug 4th.

The bingo games will be played on the following dates:

Friday, Aug 2	5:00 p.m. until 10 p.m.
Saturday, Aug 3	5:00 p.m. until 10 p.m.
Sunday, Aug 4	5:00 p.m. until 10 p.m.

Thank you in advance.

Sincerely,

Daisy Rivera
Past Post Commander
Lincolnwood American Legion Post #1226

Request For Board Action

REFERRED TO BOARD: June 4, 2013

AGENDA ITEM NO: 2

ORIGINATING DEPARTMENT: Village Manager's Office

SUBJECT: Approval of a Resolution Adopting Prevailing Wages Effective May 1, 2013 for the State of Illinois Prevailing Wage Act

SUMMARY AND BACKGROUND OF SUBJECT MATTER:

The State of Illinois Prevailing Wage Act requires the Village to ascertain the prevailing rate of wages as defined in said Act for laborers, mechanics, and other workers performing contracted public works construction for the Village. In so doing, contractors of public works projects coming under the jurisdiction of the Village must be paid at least the same prevailing rates of wages for contracted construction work being performed in the Cook County area.

With the adoption of this proposed Resolution for payment of prevailing wages any and all contracted public works construction undertaken by the Village shall be paid at the prevailing rates for construction work in the Cook County area. A copy of the rates is attached.

This proposed Resolution will satisfy the requirements of the Prevailing Wage Act. A copy of this Resolution will be forwarded to the Illinois Department of Labor and a required legal notice will be published in a local newspaper.

FINANCIAL IMPACT:

None.

DOCUMENTS ATTACHED:

1. Proposed Resolution
2. Cook County Prevailing Wages for May 2013

RECOMMENDED MOTION:

Move to approve a Resolution adopting prevailing wages effective May 1, 2013 as required by the Illinois Prevailing Wage Act.

VILLAGE OF LINCOLNWOOD

RESOLUTION NO. R2013-_____

**A RESOLUTION DETERMINING THE PREVAILING RATE OF WAGES
IN THE VILLAGE OF LINCOLNWOOD**

WHEREAS, the State of Illinois has enacted the “Prevailing Wage Act,” 820 ILCS 130/0.01 *et seq.* (“**Act**”); and

WHEREAS, the Act requires that the Village investigate and ascertain the prevailing rate of wages as defined in the Act for laborers, mechanics, and other workers in the locality of Cook County employed in performing construction of public works for the Village; and

WHEREAS, the Village President and Board of Trustees have determined that it will serve and be in the best interest of the Village to adopt this Resolution;

NOW, THEREFORE, BE IT RESOLVED BY THE PRESIDENT AND BOARD OF TRUSTEES OF THE VILLAGE OF LINCOLNWOOD, COOK COUNTY, ILLINOIS, as follows:

SECTION 1. RECITALS. The facts and statements contained in the preamble to this Resolution are found to be true and correct and are hereby adopted as part of this Resolution.

SECTION 2. ASCERTAINMENT AND APPLICATION OF PREVAILING WAGES. To the extent and as required by the Act, the general prevailing rate of wages in Cook County for laborers, mechanics, and other workers engaged in construction of public works coming under the jurisdiction of the Village is hereby ascertained to be the same as the prevailing rate of wages for construction work in the Cook County area as determined by the Department of Labor of the State of Illinois as of May 2013, a copy of that determination being attached hereto and incorporated herein by reference as **Exhibit A**. As required by the Act, any and all revisions of the prevailing rate of wages by the Department of Labor of the State of Illinois shall supersede the Department’s May 2013 determination and apply to any and all public works construction undertaken by the Village.

SECTION 3. CONTRACTORS' RESPONSIBILITY. Each contractor or subcontractor engaged in construction of public works for the Village to which the general prevailing rate of hourly wages are required by the Act to be paid shall submit to the Village a certified payroll on a monthly basis, in accordance with Section 5 of the Act. The certified payroll shall consist of a complete copy of those records required to be made and kept by the Act. The certified payroll shall be accompanied by a statement signed by the contractor or subcontractor that certifies that: (A) such records are true and accurate; (B) the hourly rate paid is not less than the general prevailing rate of hourly wages required by the Act; and (C) the contractor or subcontractor is aware that filing a certified payroll that he or she knows to be false is a Class B misdemeanor. A general contractor may rely on the certification of a lower tier subcontractor, provided that the general contractor does not knowingly rely upon a subcontractor’s false certification. Upon two business days’ notice, the contractor and each subcontractor shall make available for inspection

the records required to be made and kept by the Act: (i) to the Village and its officers and agents and to the Director of the Illinois Department of Labor and his or her deputies and agents; and (ii) at all reasonable hours at a location within the State.

SECTION 4. DEFINITIONS; APPLICABILITY. The definition of any term appearing in this Resolution that also is used in the Act shall be the same as in the Act. Nothing in this Resolution shall be construed to apply to the general prevailing rate of wages for Cook County, as ascertained pursuant to this Resolution, to any work or employment except public works construction of the Village conducted in Cook County to the extent required by the Act.

SECTION 5. POSTING AND INSPECTION. The Village Clerk shall publicly post or keep available for inspection by any interested party in the main office of the Village this determination or any revisions to the prevailing rate of wages for Cook County. A copy of this determination or of any revised determination of prevailing rate of wages for Cook County then in effect shall be attached to all public works construction contract specifications.

SECTION 6. FILING. The Village Clerk shall promptly file a certified copy of this Resolution with both the Secretary of State Index Division of the State of Illinois and the Department of Labor of the State of Illinois.

SECTION 7. PUBLICATION. The Village Clerk shall cause a copy of this Resolution to be published in a newspaper of general circulation within the area within 30 days after its filing with the Secretary of State Index Division of the State of Illinois and the Department of Labor of the State of Illinois, and such publication shall constitute notice that this determination is effective and that this is the determination of the Village.

SECTION 8. MAILING UPON REQUEST. The Village Clerk shall mail a copy of this determination to any employer, and to any association of employers, and to any person or association of employees who have filed their names and addresses, requesting copies of any determination stating the particular rates and the particular class of workers whose wages will be affected by such rates.

SECTION 9. EFFECTIVE DATE. This Resolution shall be in full force and effect from and after its passage and approval as provided by law.

[SIGNATURE PAGE FOLLOWS]

PASSED this ____ day of _____, 2013.

AYES: _____

NAYS: _____

ABSENT: _____

ABSTENTION: _____

APPROVED by me this ____ day of _____, 2013.

Gerald C. Turry, President
Village of Lincolnwood, Cook County, Illinois

ATTESTED and FILED in my office this
____ day of _____, 2013

Beryl Herman, Village Clerk
Village of Lincolnwood, Cook County, Illinois

Exhibit A

Illinois Department of Labor Prevailing Wages for Cook County
May 2013

Cook County Prevailing Wage for May 2013

(See explanation of column headings at bottom of wages)

Trade Name	RG	TYP	C	Base	FRMAN	M-F>8	OSA	OSH	H/W	Pensn	Vac	Trng
=====	==	===	=	=====	=====	=====	===	===	=====	=====	=====	=====
ASBESTOS ABT-GEN	ALL			36.200	36.700	1.5	1.5	2.0	12.78	9.020	0.000	0.500
ASBESTOS ABT-MEC	BLD			34.160	36.660	1.5	1.5	2.0	10.82	10.66	0.000	0.720
BOILERMAKER	BLD			43.450	47.360	2.0	2.0	2.0	6.970	14.66	0.000	0.350
BRICK MASON	BLD			40.680	44.750	1.5	1.5	2.0	9.550	12.00	0.000	0.970
CARPENTER	ALL			41.520	43.520	1.5	1.5	2.0	13.19	11.75	0.000	0.530
CEMENT MASON	ALL			42.350	44.350	2.0	1.5	2.0	11.21	11.40	0.000	0.320
CERAMIC TILE FNSHER	BLD			34.440	0.000	2.0	1.5	2.0	9.700	6.930	0.000	0.610
COMM. ELECT.	BLD			37.500	40.150	1.5	1.5	2.0	8.420	9.980	1.100	0.700
ELECTRIC PWR EQMT OP	ALL			43.350	48.350	1.5	1.5	2.0	10.38	13.50	0.000	0.430
ELECTRIC PWR GRNDMAN	ALL			33.810	48.350	1.5	1.5	2.0	8.090	10.53	0.000	0.330
ELECTRIC PWR LINEMAN	ALL			43.350	48.350	1.5	1.5	2.0	10.38	13.50	0.000	0.430
ELECTRICIAN	ALL			42.000	44.800	1.5	1.5	2.0	12.83	13.07	0.000	0.750
ELEVATOR CONSTRUCTOR	BLD			49.080	55.215	2.0	2.0	2.0	11.88	12.71	3.930	0.600
FENCE ERECTOR	ALL			33.740	35.740	1.5	1.5	2.0	12.61	10.18	0.000	0.250
GLAZIER	BLD			39.500	41.000	1.5	2.0	2.0	11.99	14.30	0.000	0.840
HT/FROST INSULATOR	BLD			45.550	48.050	1.5	1.5	2.0	10.82	11.86	0.000	0.720
IRON WORKER	ALL			40.750	42.750	2.0	2.0	2.0	13.20	19.09	0.000	0.350
LABORER	ALL			36.200	36.950	1.5	1.5	2.0	12.78	9.020	0.000	0.500
LATHER	ALL			41.520	43.520	1.5	1.5	2.0	13.19	11.75	0.000	0.530
MACHINIST	BLD			43.550	46.050	1.5	1.5	2.0	6.130	8.950	1.850	0.000
MARBLE FINISHERS	ALL			29.700	0.000	1.5	1.5	2.0	9.550	11.75	0.000	0.620
MARBLE MASON	BLD			39.880	43.870	1.5	1.5	2.0	9.550	11.75	0.000	0.730
MATERIAL TESTER I	ALL			26.200	0.000	1.5	1.5	2.0	12.78	9.020	0.000	0.500
MATERIALS TESTER II	ALL			31.200	0.000	1.5	1.5	2.0	12.78	9.020	0.000	0.500
MILLWRIGHT	ALL			41.520	43.520	1.5	1.5	2.0	13.19	11.75	0.000	0.530
OPERATING ENGINEER	BLD 1			45.100	49.100	2.0	2.0	2.0	15.70	10.55	1.900	1.250
OPERATING ENGINEER	BLD 2			43.800	49.100	2.0	2.0	2.0	15.70	10.55	1.900	1.250
OPERATING ENGINEER	BLD 3			41.250	49.100	2.0	2.0	2.0	15.70	10.55	1.900	1.250
OPERATING ENGINEER	BLD 4			39.500	49.100	2.0	2.0	2.0	15.70	10.55	1.900	1.250
OPERATING ENGINEER	BLD 5			48.850	49.100	2.0	2.0	2.0	15.70	10.55	1.900	1.250
OPERATING ENGINEER	BLD 6			46.100	49.100	2.0	2.0	2.0	15.70	10.55	1.900	1.250
OPERATING ENGINEER	BLD 7			48.100	49.100	2.0	2.0	2.0	15.70	10.55	1.900	1.250
OPERATING ENGINEER	FLT 1			51.300	51.300	1.5	1.5	2.0	14.40	9.550	1.900	1.250
OPERATING ENGINEER	FLT 2			49.800	51.300	1.5	1.5	2.0	14.40	9.550	1.900	1.250
OPERATING ENGINEER	FLT 3			44.350	51.300	1.5	1.5	2.0	14.40	9.550	1.900	1.250
OPERATING ENGINEER	FLT 4			36.850	51.300	1.5	1.5	2.0	14.40	9.550	1.900	1.250
OPERATING ENGINEER	FLT 5			52.800	51.300	1.5	1.5	2.0	14.40	9.550	1.900	1.250
OPERATING ENGINEER	HWY 1			43.300	47.300	1.5	1.5	2.0	15.70	10.55	1.900	1.250
OPERATING ENGINEER	HWY 2			42.750	47.300	1.5	1.5	2.0	15.70	10.55	1.900	1.250
OPERATING ENGINEER	HWY 3			40.700	47.300	1.5	1.5	2.0	15.70	10.55	1.900	1.250
OPERATING ENGINEER	HWY 4			39.300	47.300	1.5	1.5	2.0	15.70	10.55	1.900	1.250
OPERATING ENGINEER	HWY 5			38.100	47.300	1.5	1.5	2.0	15.70	10.55	1.900	1.250
OPERATING ENGINEER	HWY 6			46.300	47.300	1.5	1.5	2.0	15.70	10.55	1.900	1.250
OPERATING ENGINEER	HWY 7			44.300	47.300	1.5	1.5	2.0	15.70	10.55	1.900	1.250
ORNAMNTL IRON WORKER	ALL			41.800	44.300	2.0	2.0	2.0	12.86	15.81	0.000	0.550
PAINTER	ALL			40.000	44.750	1.5	1.5	1.5	9.750	11.10	0.000	0.770
PAINTER SIGNS	BLD			33.920	38.090	1.5	1.5	1.5	2.600	2.710	0.000	0.000
PILEDRIIVER	ALL			41.520	43.520	1.5	1.5	2.0	13.19	11.75	0.000	0.530
PIPEFITTER	BLD			45.050	48.050	1.5	1.5	2.0	8.460	14.85	0.000	1.780
PLASTERER	BLD			40.250	42.670	1.5	1.5	2.0	10.85	10.94	0.000	0.550
PLUMBER	BLD			45.000	47.000	1.5	1.5	2.0	12.53	10.06	0.000	0.880
ROOFER	BLD			38.350	41.350	1.5	1.5	2.0	8.280	8.770	0.000	0.430
SHEETMETAL WORKER	BLD			40.810	44.070	1.5	1.5	2.0	10.13	17.79	0.000	0.630
SIGN HANGER	BLD			30.210	30.710	1.5	1.5	2.0	4.850	3.030	0.000	0.000
SPRINKLER FITTER	BLD			49.200	51.200	1.5	1.5	2.0	10.25	8.350	0.000	0.450
STEEL ERECTOR	ALL			40.750	42.750	2.0	2.0	2.0	13.20	19.09	0.000	0.350
STONE MASON	BLD			40.680	44.750	1.5	1.5	2.0	9.550	12.00	0.000	0.970
TERRAZZO FINISHER	BLD			35.510	0.000	1.5	1.5	2.0	9.700	9.320	0.000	0.400
TERRAZZO MASON	BLD			39.370	42.370	1.5	1.5	2.0	9.700	10.66	0.000	0.550
TILE MASON	BLD			41.430	45.430	2.0	1.5	2.0	9.700	8.640	0.000	0.710
TRAFFIC SAFETY WRKR	HWY			28.250	29.850	1.5	1.5	2.0	4.896	4.175	0.000	0.000
TRUCK DRIVER	E ALL 1			33.850	34.500	1.5	1.5	2.0	8.150	8.500	0.000	0.150
TRUCK DRIVER	E ALL 2			34.100	34.500	1.5	1.5	2.0	8.150	8.500	0.000	0.150
TRUCK DRIVER	E ALL 3			34.300	34.500	1.5	1.5	2.0	8.150	8.500	0.000	0.150
TRUCK DRIVER	E ALL 4			34.500	34.500	1.5	1.5	2.0	8.150	8.500	0.000	0.150
TRUCK DRIVER	W ALL 1			32.550	33.100	1.5	1.5	2.0	6.500	4.350	0.000	0.000
TRUCK DRIVER	W ALL 2			32.700	33.100	1.5	1.5	2.0	6.500	4.350	0.000	0.000
TRUCK DRIVER	W ALL 3			32.900	33.100	1.5	1.5	2.0	6.500	4.350	0.000	0.000
TRUCK DRIVER	W ALL 4			33.100	33.100	1.5	1.5	2.0	6.500	4.350	0.000	0.000
TUCKPOINTER	BLD			40.950	41.950	1.5	1.5	2.0	8.180	10.82	0.000	0.940

Legend:

RG (Region)
TYP (Trade Type - All,Highway,Building,Floating,Oil & Chip,Rivers)
C (Class)

Base (Base Wage Rate)
 FRMAN (Foreman Rate)
 M-F>8 (OT required for any hour greater than 8 worked each day, Mon through Fri.
 OSA (Overtime (OT) is required for every hour worked on Saturday)
 OSH (Overtime is required for every hour worked on Sunday and Holidays)
 H/W (Health & Welfare Insurance)
 Pensn (Pension)
 Vac (Vacation)
 Trng (Training)

Explanations

COOK COUNTY

The following list is considered as those days for which holiday rates of wages for work performed apply: New Years Day, Memorial Day, Fourth of July, Labor Day, Thanksgiving Day, Christmas Day and Veterans Day in some classifications/counties. Generally, any of these holidays which fall on a Sunday is celebrated on the following Monday. This then makes work performed on that Monday payable at the appropriate overtime rate for holiday pay. Common practice in a given local may alter certain days of celebration. If in doubt, please check with IDOL.

TRUCK DRIVERS (WEST) - That part of the county West of Barrington Road.

EXPLANATION OF CLASSES

ASBESTOS - GENERAL - removal of asbestos material/mold and hazardous materials from any place in a building, including mechanical systems where those mechanical systems are to be removed. This includes the removal of asbestos materials/mold and hazardous materials from ductwork or pipes in a building when the building is to be demolished at the time or at some close future date.

ASBESTOS - MECHANICAL - removal of asbestos material from mechanical systems, such as pipes, ducts, and boilers, where the mechanical systems are to remain.

CERAMIC TILE FINISHER

The grouting, cleaning, and polishing of all classes of tile, whether for interior or exterior purposes, all burned, glazed or unglazed products; all composition materials, granite tiles, warning detectable tiles, cement tiles, epoxy composite materials, pavers, glass, mosaics, fiberglass, and all substitute materials, for tile made in tile-like units; all mixtures in tile like form of cement, metals, and other materials that are for and intended for use as a finished floor surface, stair treads, promenade roofs, walks, walls, ceilings, swimming pools, and all other places where tile is to form a finished interior or exterior. The mixing of all setting mortars including but not limited to thin-set mortars, epoxies, wall mud, and any other sand and cement mixtures or adhesives when used in the preparation, installation, repair, or maintenance of tile and/or similar materials. The handling and unloading of all sand, cement, lime, tile, fixtures, equipment, adhesives, or any other materials to be used in the preparation, installation, repair, or maintenance of tile and/or similar materials. Ceramic Tile Finishers shall fill all joints and voids regardless of method on all tile work, particularly and especially after installation of said tile work. Application of any and all protective coverings to all types of tile installations including, but not be limited to, all soap compounds, paper products, tapes, and all polyethylene coverings, plywood, masonite, cardboard, and any new type of products that may be used to protect tile installations, Blastrac equipment, and all floor scarifying equipment used in preparing floors to receive tile. The clean up and removal of all waste and materials. All demolition of existing tile floors and walls to be re-tiled.

COMMUNICATIONS ELECTRICIAN

Installation, operation, inspection, maintenance, repair and service of radio, television, recording, voice sound vision production and reproduction, telephone and telephone interconnect, facsimile, data apparatus, coaxial, fibre optic and wireless equipment, appliances and systems used for the transmission and reception of signals of any nature, business, domestic, commercial, education, entertainment, and residential purposes, including but not limited to, communication and telephone, electronic and sound equipment, fibre optic and data communication systems, and the performance of any task directly related to such installation or service whether at new or existing

sites, such tasks to include the placing of wire and cable and electrical power conduit or other raceway work within the equipment room and pulling wire and/or cable through conduit and the installation of any incidental conduit, such that the employees covered hereby can complete any job in full.

MARBLE FINISHER

Loading and unloading trucks, distribution of all materials (all stone, sand, etc.), stocking of floors with material, performing all rigging for heavy work, the handling of all material that may be needed for the installation of such materials, building of scaffolding, polishing if needed, patching, waxing of material if damaged, pointing up, caulking, grouting and cleaning of marble, holding water on diamond or Carborundum blade or saw for setters cutting, use of tub saw or any other saw needed for preparation of material, drilling of holes for wires that anchor material set by setters, mixing up of molding plaster for installation of material, mixing up thin set for the installation of material, mixing up of sand to cement for the installation of material and such other work as may be required in helping a Marble Setter in the handling of all material in the erection or installation of interior marble, slate, travertine, art marble, serpentine, alberene stone, blue stone, granite and other stones (meaning as to stone any foreign or domestic materials as are specified and used in building interiors and exteriors and customarily known as stone in the trade), carrara, sanionyx, vitrolite and similar opaque glass and the laying of all marble tile, terrazzo tile, slate tile and precast tile, steps, risers treads, base, or any other materials that may be used as substitutes for any of the aforementioned materials and which are used on interior and exterior which are installed in a similar manner.

MATERIAL TESTER I: Hand coring and drilling for testing of materials; field inspection of uncured concrete and asphalt.

MATERIAL TESTER II: Field inspection of welds, structural steel, fireproofing, masonry, soil, facade, reinforcing steel, formwork, cured concrete, and concrete and asphalt batch plants; adjusting proportions of bituminous mixtures.

OPERATING ENGINEER - BUILDING

Class 1. Asphalt Plant; Asphalt Spreader; Autograde; Backhoes with Caisson Attachment; Batch Plant; Benoto (requires Two Engineers); Boiler and Throttle Valve; Caisson Rigs; Central Redi-Mix Plant; Combination Back Hoe Front End-loader Machine; Compressor and Throttle Valve; Concrete Breaker (Truck Mounted); Concrete Conveyor; Concrete Conveyor (Truck Mounted); Concrete Paver Over 27E cu. ft; Concrete Paver 27E cu. ft. and Under; Concrete Placer; Concrete Placing Boom; Concrete Pump (Truck Mounted); Concrete Tower; Cranes, All; Cranes, Hammerhead; Cranes, (GCI and similar Type); Creter Crane; Spider Crane; Crusher, Stone, etc.; Derricks, All; Derricks, Traveling; Formless Curb and Gutter Machine; Grader, Elevating; Grouting Machines; Heavy Duty Self-Propelled Transporter or Prime Mover; Highlift Shovels or Front Endloader 2-1/4 yd. and over; Hoists, Elevators, outside type rack and pinion and similar machines; Hoists, One, Two and Three Drum; Hoists, Two Tugger One Floor; Hydraulic Backhoes; Hydraulic Boom Trucks; Hydro Vac (and similar equipment); Locomotives, All; Motor Patrol; Lubrication Technician; Manipulators; Pile Drivers and Skid Rig; Post Hole Digger; Pre-Stress Machine; Pump Cretes Dual Ram; Pump Cretes: Squeeze Cretes-Screw Type Pumps; Gypsum Bulker and Pump; Raised and Blind Hole Drill; Roto Mill Grinder; Scoops - Tractor Drawn; Slip-Form Paver; Straddle Buggies; Operation of Tie Back Machine; Tournapull; Tractor with Boom and Side Boom; Trenching Machines.

Class 2. Boilers; Broom, All Power Propelled; Bulldozers; Concrete Mixer (Two Bag and Over); Conveyor, Portable; Forklift Trucks; Highlift Shovels or Front Endloaders under 2-1/4 yd.; Hoists, Automatic; Hoists, Inside Elevators; Hoists, Sewer Dragging Machine; Hoists, Tugger Single Drum; Laser Screed; Rock Drill (Self-Propelled); Rock Drill (Truck Mounted); Rollers, All; Steam Generators; Tractors, All; Tractor Drawn Vibratory Roller; Winch Trucks with "A" Frame.

Class 3. Air Compressor; Combination Small Equipment Operator; Generators; Heaters, Mechanical; Hoists, Inside Elevators (remodeling or renovation work); Hydraulic Power Units (Pile Driving, Extracting, and Drilling); Pumps, over 3" (1 to 3 not to exceed a total of 300 ft.); Low Boys; Pumps, Well Points; Welding Machines (2 through 5); Winches, 4 Small Electric Drill Winches.

Class 4. Bobcats and/or other Skid Steer Loaders; Oilers; and Brick Forklift.

Class 5. Assistant Craft Foreman.

Class 6. Gradall.

Class 7. Mechanics; Welders.

OPERATING ENGINEERS - HIGHWAY CONSTRUCTION

Class 1. Asphalt Plant; Asphalt Heater and Planer Combination; Asphalt Heater Scarfire; Asphalt Spreader; Autograder/GOMACO or other similar type machines: ABG Paver; Backhoes with Caisson Attachment; Ballast Regulator; Belt Loader; Caisson Rigs; Car Dumper; Central Redi-Mix Plant; Combination Backhoe Front Endloader Machine, (1 cu. yd. Backhoe Bucket or over or with attachments); Concrete Breaker (Truck Mounted); Concrete Conveyor; Concrete Paver over 27E cu. ft.; Concrete Placer; Concrete Tube Float; Cranes, all attachments; Cranes, Tower Cranes of all types: Creter Crane: Spider Crane; Crusher, Stone, etc.; Derricks, All; Derrick Boats; Derricks, Traveling; Dredges; Elevators, Outside type Rack & Pinion and Similar Machines; Formless Curb and Gutter Machine; Grader, Elevating; Grader, Motor Grader, Motor Patrol, Auto Patrol, Form Grader, Pull Grader, Subgrader; Guard Rail Post Driver Truck Mounted; Hoists, One, Two and Three Drum; Heavy Duty Self-Propelled Transporter or Prime Mover; Hydraulic Backhoes; Backhoes with shear attachments up to 40' of boom reach; Lubrication Technician; Manipulators; Mucking Machine; Pile Drivers and Skid Rig; Pre-Stress Machine; Pump Cretes Dual Ram; Rock Drill - Crawler or Skid Rig; Rock Drill - Truck Mounted; Rock/Track Tamper; Roto Mill Grinder; Slip-Form Paver; Snow Melters; Soil Test Drill Rig (Truck Mounted); Straddle Buggies; Hydraulic Telescoping Form (Tunnel); Operation of Tieback Machine; Tractor Drawn Belt Loader; Tractor Drawn Belt Loader (with attached pusher - two engineers); Tractor with Boom; Tractaire with Attachments; Traffic Barrier Transfer Machine; Trenching; Truck Mounted Concrete Pump with Boom; Raised or Blind Hole Drills (Tunnel Shaft); Underground Boring and/or Mining Machines 5 ft. in diameter and over tunnel, etc; Underground Boring and/or Mining Machines under 5 ft. in diameter; Wheel Excavator; Widener (APSCO).

Class 2. Batch Plant; Bituminous Mixer; Boiler and Throttle Valve; Bulldozers; Car Loader Trailing Conveyors; Combination Backhoe Front Endloader Machine (Less than 1 cu. yd. Backhoe Bucket or over or with attachments); Compressor and Throttle Valve; Compressor, Common Receiver (3); Concrete Breaker or Hydro Hammer; Concrete Grinding Machine; Concrete Mixer or Paver 7S Series to and including 27 cu. ft.; Concrete Spreader; Concrete Curing Machine, Burlap Machine, Belting Machine and Sealing Machine; Concrete Wheel Saw; Conveyor Muck Cars (Haglund or Similar Type); Drills, All; Finishing Machine - Concrete; Highlift Shovels or Front Endloader; Hoist - Sewer Dragging Machine; Hydraulic Boom Trucks (All Attachments); Hydro-Blaster; Hydro Excavating (excluding hose work); Laser Screed; All Locomotives, Dinky; Off-Road Hauling Units (including articulating) Non Self-Loading Ejection Dump; Pump Cretes: Squeeze Cretes - Screw Type Pumps, Gypsum Bulker and Pump; Roller, Asphalt; Rotary Snow Plows; Rototiller, Seaman, etc., self-propelled; Self-Propelled Compactor; Spreader - Chip - Stone, etc.; Scraper - Single/Twin Engine/Push and Pull; Scraper - Prime Mover in Tandem (Regardless of Size); Tractors pulling attachments, Sheeps Foot, Disc, Compactor, etc.; Tug Boats.

Class 3. Boilers; Brooms, All Power Propelled; Cement Supply Tender; Compressor, Common Receiver (2); Concrete Mixer (Two Bag and Over); Conveyor, Portable; Farm-Type Tractors Used for Mowing, Seeding, etc.; Forklift Trucks; Grouting Machine; Hoists, Automatic; Hoists, All Elevators; Hoists, Tugger Single Drum; Jeep Diggers; Low Boys; Pipe Jacking Machines; Post-Hole Digger; Power Saw, Concrete Power Driven; Pug Mills; Rollers, other than Asphalt; Seed and Straw Blower; Steam Generators; Stump Machine; Winch Trucks with "A" Frame; Work Boats; Tamper-Form-Motor Driven.

Class 4. Air Compressor; Combination - Small Equipment Operator; Directional Boring Machine; Generators; Heaters, Mechanical; Hydraulic Power Unit (Pile Driving, Extracting, or Drilling); Light Plants, All (1 through 5); Pumps, over 3" (1 to 3 not to exceed a total of 300 ft.); Pumps, Well Points; Vacuum Trucks (excluding hose work); Welding Machines (2 through 5); Winches, 4 Small Electric Drill Winches.

Class 5. SkidSteer Loader (all); Brick Forklifts; Oilers.

Class 6. Field Mechanics and Field Welders

Class 7. Dowell Machine with Air Compressor; Gradall and machines of like nature.

OPERATING ENGINEER - FLOATING

Class 1. Craft Foreman; Master Mechanic; Diver/Wet Tender; Engineer; Engineer (Hydraulic Dredge).

Class 2. Crane/Backhoe Operator; Boat Operator with towing endorsement; Mechanic/Welder; Assistant Engineer (Hydraulic Dredge); Leverman (Hydraulic Dredge); Diver Tender.

Class 3. Deck Equipment Operator, Machineryman, Maintenance of Crane (over 50 ton capacity) or Backhoe (115,000 lbs. or more); Tug/Launch Operator; Loader/Dozer and like equipment on Barge, Breakwater Wall, Slip/Dock, or Scow, Deck Machinery, etc.

Class 4. Deck Equipment Operator, Machineryman/Fireman (4 Equipment Units or More); Off Road Trucks; Deck Hand, Tug Engineer, Crane Maintenance (50 Ton Capacity and Under) or Backhoe Weighing (115,000 pounds or less); Assistant Tug Operator.

Class 5. Friction or Lattice Boom Cranes.

TERRAZZO FINISHER

The handling of sand, cement, marble chips, and all other materials that may be used by the Mosaic Terrazzo Mechanic, and the mixing, grinding, grouting, cleaning and sealing of all Marble, Mosaic, and Terrazzo work, floors, base, stairs, and wainscoting by hand or machine, and in addition, assisting and aiding Marble, Masonic, and Terrazzo Mechanics.

TRAFFIC SAFETY

Work associated with barricades, horses and drums used to reduce lane usage on highway work, the installation and removal of temporary lane markings, and the installation and removal of temporary road signs.

TRUCK DRIVER - BUILDING, HEAVY AND HIGHWAY CONSTRUCTION - EAST & WEST

Class 1. Two or three Axle Trucks. A-frame Truck when used for transportation purposes; Air Compressors and Welding Machines, including those pulled by cars, pick-up trucks and tractors; Ambulances; Batch Gate Lockers; Batch Hopperman; Car and Truck Washers; Carry-alls; Fork Lifts and Hoisters; Helpers; Mechanics Helpers and Greasers; Oil Distributors 2-man operation; Pavement Breakers; Pole Trailer, up to 40 feet; Power Mower Tractors; Self-propelled Chip Spreader; Skipman; Slurry Trucks, 2-man operation; Slurry Truck Conveyor Operation, 2 or 3 man; Teamsters; Unskilled Dumpman; and Truck Drivers hauling warning lights, barricades, and portable toilets on the job site.

Class 2. Four axle trucks; Dump Crets and Adgetors under 7 yards; Dumpsters, Track Trucks, Euclids, Hug Bottom Dump Turnapulls or Turnatrailers when pulling other than self-loading equipment or similar equipment under 16 cubic yards; Mixer Trucks under 7 yards; Ready-mix Plant Hopper Operator, and Winch Trucks, 2 Axles.

Class 3. Five axle trucks; Dump Crets and Adgetors 7 yards and over; Dumpsters, Track Trucks, Euclids, Hug Bottom Dump Turnatrailers or turnapulls when pulling other than self-loading equipment or similar equipment over 16 cubic yards; Explosives and/or Fission Material Trucks; Mixer Trucks 7 yards or over; Mobile Cranes while in transit; Oil Distributors, 1-man operation; Pole Trailer, over 40 feet; Pole and Expandable Trailers hauling material over 50 feet long; Slurry trucks, 1-man operation; Winch trucks, 3 axles or more; Mechanic--Truck Welder and Truck Painter.

Class 4. Six axle trucks; Dual-purpose vehicles, such as mounted crane trucks with hoist and accessories; Foreman; Master Mechanic; Self-loading equipment like P.B. and trucks with scoops on the front.

Other Classifications of Work:

For definitions of classifications not otherwise set out, the Department generally has on file such definitions which are available. If a task to be performed is not subject to one of the

classifications of pay set out, the Department will upon being contacted state which neighboring county has such a classification and provide such rate, such rate being deemed to exist by reference in this document. If no neighboring county rate applies to the task, the Department shall undertake a special determination, such special determination being then deemed to have existed under this determination. If a project requires these, or any classification not listed, please contact IDOL at 217-782-1710 for wage rates or clarifications.

LANDSCAPING

Landscaping work falls under the existing classifications for laborer, operating engineer and truck driver. The work performed by landscape plantsman and landscape laborer is covered by the existing classification of laborer. The work performed by landscape operators (regardless of equipment used or its size) is covered by the classifications of operating engineer. The work performed by landscape truck drivers (regardless of size of truck driven) is covered by the classifications of truck driver.

Request For Board Action

REFERRED TO BOARD: June 4, 2013

AGENDA ITEM NO: 3

ORIGINATING DEPARTMENT: Community Development

SUBJECT: Approval of an Ordinance Regarding a Text Amendment to Section 3.13(26) of the Zoning Code Entitled "Notice of Violation; Time of Compliance; Complaint" Concerning Fences and Natural Screening

SUMMARY AND BACKGROUND OF SUBJECT MATTER:

At the May 21, 2013 Village Board meeting, the Village Board considered a recommendation by the Plan Commission to eliminate certain existing provisions of the Zoning Code pertaining to notice requirements, compliance deadlines, and filing complaints with the Circuit Court of Cook County regarding fence violations. With the creation of the Administrative Hearing Officer Process, the Village no longer typically files fence complaints with the Circuit Court of Cook County. Moreover, with the exception of the Sign Chapter, no other section of the Zoning Code contains a specific provision on enforcement of Zoning Code violations. At its May 1, 2013 meeting, by a 3-1 vote, the Plan Commission recommended that Section 3.13(26) of the Zoning Code be eliminated.

At its May 21, 2013 meeting, by a 6-0 vote, the Village Board moved to concur with the recommendation of the Plan Commission to eliminate Section 3.13(26) of the Zoning Code and directed the Village Attorney to prepare the requisite Ordinance.

Attached for consideration is this proposed Ordinance prepared by the Village Attorney consistent with the direction of the Village Board.

FINANCIAL IMPACT:

None

DOCUMENTS ATTACHED:

1. Proposed Ordinance

RECOMMENDED MOTION:

Move to approve an Ordinance to eliminate Section 3.13(26) of the Zoning Code concerning violation notices, time of compliance, and complaints relative to fences and natural screening.

VILLAGE OF LINCOLNWOOD

ORDINANCE NO. 2013-_____

**AN ORDINANCE AMENDING SECTION 3.13 OF
THE VILLAGE OF LINCOLNWOOD ZONING ORDINANCE
REGARDING VIOLATIONS OF THE FENCE ORDINANCE**

ADOPTED BY THE
PRESIDENT AND BOARD OF TRUSTEES
OF THE VILLAGE OF LINCOLNWOOD
THIS ____ DAY OF JUNE, 2013.

Published in pamphlet form
by the authority of the
President and Board of Trustees
of the Village of Lincolnwood,
Cook County, Illinois
this _____ day of _____, 2013

ORDINANCE NO. 2013-_____

**AN ORDINANCE AMENDING SECTION 3.13 OF
THE VILLAGE OF LINCOLNWOOD ZONING ORDINANCE
REGARDING VIOLATIONS OF THE FENCE ORDINANCE**

WHEREAS, the Village of Lincolnwood is a home rule municipal corporation in accordance with Article VII, Section 6(a) of the Constitution of the State of Illinois of 1970; and

WHEREAS, the Village has the authority to adopt ordinances and to promulgate rules and regulations that pertain to its government and affairs; and

WHEREAS, Section 3.13 of "The Village of Lincolnwood Zoning Ordinance," as amended ("**Zoning Ordinance**"), sets forth certain regulations governing fences and natural screening in all zoning districts within the Village; and

WHEREAS, the Village Board of Trustees desires to eliminate Section 3.13(26) of the Zoning Ordinance in order to eliminate the existing notice of violation, time of compliance, and complaint requirements related to fences and natural screening ("**Proposed Amendment**"); and

WHEREAS, pursuant to notice duly published in the *Lincolnwood Review* on December 20, 2012, the Village Plan Commission conducted a public hearing on January 9, 2013 concerning the Proposed Amendment; and

WHEREAS, at the conclusion of the public hearing, the Plan Commission made findings and recommended that the President and Board of Trustees adopt the Proposed Amendment, as set forth in this Ordinance; and

WHEREAS, having considered the findings and recommendations of the Plan Commission, the President and Board of Trustees have found and determined that the adoption of the Proposed Amendment, as set forth in this Ordinance, is in the best interests of the Village and its residents;

NOW, THEREFORE, BE IT ORDAINED BY THE PRESIDENT AND BOARD OF TRUSTEES OF THE VILLAGE OF LINCOLNWOOD, COOK COUNTY, ILLINOIS, as follows:

SECTION 1. RECITALS. The facts and statements contained in the preamble to this Ordinance are found to be true and correct and are hereby adopted as part of this Ordinance.

SECTION 2. FENCES AND NATURAL SCREENING. Section 3.13 of Article III of the Zoning Ordinance is hereby amended to read as follows:

"3.13 Fences and natural screening.

* * *

~~(26) Notice of Violation; Time of Compliance; Complaint:~~

- ~~a. The Village shall serve or cause to be served, by hand delivery, or by certified mail, a copy of the notice of violation on the person or persons who own or occupy the Lot that is the subject of the violation.~~
- ~~b. Compliance with the regulations set forth in this Section 3.13 shall take place within thirty (30) days after the notice pursuant to subsection a. immediately above, or the property in question may be subject to a re-inspection by the Zoning Officer or his designee and be subject to a re-inspection fee as required in the Village's Fee Ordinance. Further re-inspection fees may apply for each thirty (30) day period that the violation of the regulation remains in effect. If the work required to achieve compliance with these regulations is difficult to perform due to weather conditions during the winter months (November 15th through March 15th), full compliance with these regulations may be temporarily suspended by the Zoning Officer until after March 15th.~~
- ~~c. If, in the determination of the Zoning Officer, any time after ninety (90) days from the date the notice of violation was issued, there has been no satisfactory response to the notice of violation, or variation sought, or the denial of a sought variation for an illegal nonconforming Fence, the Zoning Officer may file a complaint with the appropriate division of the Circuit Court of Cook County, or before the appropriate administrative body, in the manner provided for the filing of ordinance violation complaints in the name of the Village. If, during the course of the proceeding, compliance with this Article is obtained the Village Attorney may non-suit or otherwise dismiss the complaint."~~

* * *

SECTION 3. SEVERABILITY. If any provision of this Ordinance or part thereof is held invalid by a court of competent jurisdiction, the remaining provisions of this Ordinance shall remain in full force and effect, and shall be interpreted, applied, and enforced so as to achieve, as near as may be, the purpose and intent of this Ordinance to the greatest extent permitted by applicable law.

SECTION 4. EFFECTIVE DATE. This Ordinance shall be in full force and effect from and after its passage, approval, and publication in the manner provided by law.

[SIGNATURES ON FOLLOWING PAGE]

PASSED this _____ day of June, 2013.

AYES: _____

NAYS: _____

ABSENT: _____

ABSTENTION: _____

APPROVED by me this _____ day of June, 2013.

Gerald C. Turry, President
Village of Lincolnwood, Cook County, Illinois

ATTESTED and FILED in my office the
_____ day of June, 2013.

Beryl Herman, Village Clerk
Village of Lincolnwood, Cook County, Illinois

Request For Board Action

REFERRED TO BOARD: June 4, 2013

AGENDA ITEM NO: 4

ORIGINATING DEPARTMENT: Public Works

SUBJECT: Consideration of a Memorandum of Agreement between the Village and The Cook County Department of Public Health for the Use of the Public Works Building Located at 7001 N. Lawndale Avenue for Clinical Activities in Response to a Public Health Emergency

SUMMARY AND BACKGROUND OF SUBJECT MATTER:

Over the last year the Village has been working with the Cook County Department of Public Health (CCDPH) to develop a plan to provide a clinical location for residents in response to a public health emergency. A public health emergency is defined by the CCDPH as the actual or anticipated threat of harm to the public's health and safety due to the exposure or potential exposure to hazardous biological, chemical, or radiological agents or other emerging public health threats.

The CCDPH plan includes information regarding County and Village staff responsibilities, volunteer coordination, supplies that should be easily accessible and details regarding the clinical site location.

Village staff evaluated several sites to use as a clinical location. The site would be used to provide physical assessments, epidemiological investigations, dispensing or administration of medications including inoculations and minor medical treatments during a public health event. Locations such as the Lincolnwood School Campus and the Lincolnwood Fire Department were evaluated along with the Public Works Department. The Public Works building was selected due to the layout of the building which will allow for a drive thru operation when administering clinical activities.

The attached agreement permits the CCDPH to utilize the Public Works Building in the event of a public health emergency that will require a site to perform clinical activities for the residents of the Village. The Village Attorney has reviewed the agreement and finds it acceptable.

FINANCIAL IMPACT:

None

DOCUMENTS ATTACHED:

1. Proposed Resolution
2. Proposed Memorandum of Agreement

RECOMMENDED MOTION:

Move to approve a Resolution approving a Memorandum of Agreement with the Cook County Department of Public Health for the provision of emergency public health services.

VILLAGE OF LINCOLNWOOD

RESOLUTION NO. R2013-_____

**A RESOLUTION APPROVING A MEMORANDUM OF AGREEMENT WITH THE
COOK COUNTY DEPARTMENT OF PUBLIC HEALTH
FOR THE PROVISION OF EMERGENCY PUBLIC HEALTH SERVICES**

WHEREAS, the Cook County Department of Public Health ("**CCDPH**") is the local public health department certified by the Illinois Department of Public Health to serve the Village; and

WHEREAS, the Village and the CCDPH desire to enter into a memorandum of agreement concerning the provision during a public health emergency by the CCDPH of emergency public health services at 7001 N Lawndale Avenue ("**Memorandum of Agreement**"); and

WHEREAS, the Village President and Board of Trustees have determined that entering into the Memorandum of Agreement with the CCDPH will serve and be in the best interest of the Village;

NOW, THEREFORE, BE IT RESOLVED BY THE PRESIDENT AND BOARD OF TRUSTEES OF THE VILLAGE OF LINCOLNWOOD, COOK COUNTY, ILLINOIS, as follows:

SECTION 1. RECITALS. The facts and statements contained in the preamble to this Resolution are found to be true and correct and are hereby adopted as part of this Resolution.

SECTION 2. APPROVAL OF MEMORANDUM OF AGREEMENT. The Memorandum of Agreement by and between the Village and the CCDPH is hereby approved in substantially the form attached to this Resolution as **Exhibit A**.

SECTION 3. EXECUTION OF MEMORANDUM OF AGREEMENT. The Village Manager and Village Clerk are hereby authorized and directed to execute and attest, on behalf of the Village, the Memorandum of Agreement and all documentation related thereto.

SECTION 4. EFFECTIVE DATE. This Resolution will be in full force and effect from and after its passage and approval as provided by law.

[SIGNATURE PAGE FOLLOWS]

PASSED this ___ day of _____, 2013.

AYES: _____

NAYS: _____

ABSENT: _____

ABSTENTION: _____

APPROVED by me this _____ day of _____, 2013.

Gerald C. Turry, President
Village of Lincolnwood, Cook County, Illinois

ATTESTED and FILED in my office this
_____ day of _____, 2013

Beryl Herman, Village Clerk
Village of Lincolnwood, Cook County, Illinois

#23229783_v1

EXHIBIT A

MEMORANDUM OF AGREEMENT

**MEMORANDUM OF AGREEMENT
BETWEEN**

**AND
THE COOK COUNTY DEPARTMENT OF PUBLIC HEALTH
FOR USE OF SITE**

This Memorandum of Agreement ("MOA") is made and entered into on _____, 20____, by and between the County of Cook ("County"), through its Cook County Department of Public Health ("CCDPH"), an affiliate of the Cook County Health and Hospitals System ("CCHHS"), and _____ ("Owner"), as the owner of _____ ("Site Name") located at _____ ("Site").

RECITALS

WHEREAS, the Owner is a _____ organized and operating under the laws of the State of Illinois with a principal place of business located at _____; and

WHEREAS, the Owner owns a building and grounds located at the Site; and

WHEREAS, CCDPH, a System Affiliate of the CCHHS, is the local public health department certified by the Illinois Department of Public Health ("IDPH") to serve all of suburban Cook County, Illinois, except those areas served by another IDPH-certified local health department; and

WHEREAS, CCDPH wishes to arrange for the use of multiple locations throughout Cook County for possible use in performing Clinical Activities in response to a Public Health Emergency; and

WHEREAS, an effective response to a Public Health Emergency may require the cooperative efforts of many individuals and entities, both governmental and private, including public health departments, health providers, police departments, fire departments, municipalities, local government entities, school districts, colleges, universities and entities such as Owner; and

WHEREAS, the Owner agrees to permit CCDPH to use the Site for the performance of Clinical Activities in the event of a Public Health Emergency;

NOW THEREFORE, in consideration of the foregoing, as well as the mutual agreements hereinafter set forth, the Owner and the County hereby agree as follows:

I. INCORPORATION OF RECITALS

The above recitals are hereby incorporated into and made part of this MOA.

II. DEFINITIONS

A. Clinical Activities shall mean those public health functions performed at Site by CCDPH in response to a Public Health Emergency. Clinical Activities include, but are not limited to, physical assessments, epidemiological investigations, dispensing or administration of medications including inoculations, and minor medical treatments.

B. Public Health Emergency means the actual or anticipated threat of harm to the public's health and safety due to the exposure or potential exposure to hazardous biological, chemical, or radiological agents or other emerging public health threats. Public Health Emergency shall include, but not be limited to, instances in which a disaster has been declared by governmental authorities.

III. USE OF SITE

- A. **Site Designation.** The Owner agrees to allow CCDPH to use that portion of the Site which is designated on Exhibit A attached hereto, together with reasonable parking, ingress and egress, in order to conduct Clinical Activities in response to a Public Health Emergency as defined in this MOA. CCDPH will not use, or permit any use of the Site by its agents and employees, which is inconsistent with the terms and purposes of this MOA.
- B. **Responsibility for Clinical Activities.** The County/CCHHS/CCDPH shall be solely responsible for the performance of Clinical Activities at the Site by CCDPH and its employees and agents.
- C. **Availability of Site.** In the event the use of the Site pursuant to this MOA is required, the Owner shall make the Site available to CCDPH to the maximum extent possible. However, CCDPH acknowledges that the Site may be in use for other purposes and agrees that it shall endeavor to minimize disruption of the activities regularly scheduled to occur at the Site. CCDPH shall use its best efforts to provide as much advance notice as is feasible with regard to its need for the use of the Site.
- D. **Furniture and Equipment.** CCDPH may use the facilities and equipment available at Site in conducting its Clinical Activities including, but not limited to, tables, chairs, communication and office equipment, refrigerators and restrooms. CCDPH shall provide any furniture, medications, supplies, and equipment necessary to conduct its Clinical Activities that are not available at the Site.
- E. **Safety and Security.** When utilizing the Site pursuant to this MOA, CCDPH may arrange for police protection with local law enforcement agencies including, but not limited to, municipal police departments and the Cook County Sheriff's Department. The Owner's security, if any, may provide assistance at the discretion of the Owner.
- F. **Removal of Waste; Site Alterations.** CCDPH shall remove from the Site all hazardous medical waste generated by the Clinical Activities conducted by CCDPH. CCDPH shall not make any alterations to the Site without the written approval of the Owner.
- G. **Compliance with Laws and Regulations.** In using the Site, CCDPH agrees to abide by all applicable state and local laws and all applicable rules and regulations of the Owner.

IV. RESPONSIBILITY FOR OPERATIONS

It is understood and agreed that each party to this MOA is responsible for the activities of its employees and agents and for maintaining its own insurance or self-insurance programs with respect to its own activities. It is the intent of the parties that neither party to this MOA shall be liable for any negligent or wrongful act chargeable to the other. This MOA shall not be construed as seeking to either enlarge or diminish any obligation or duty owed by one party with respect to the other or with respect to third parties, nor shall it be construed to create or increase liability of either party beyond that which is otherwise imposed upon it by law. In the event of a claim, each party shall be responsible for its own defense. No financial obligation shall be imposed on either party by reason of this MOA.

V. RELATIONSHIP OF THE PARTIES

The County/CCHHS/CCDPH and Owner are independent contractors for purposes of this MOA. Nothing contained in this MOA nor any act of the parties is intended to nor shall be construed by any person or entity to create any relationship of partners, joint venture or any other relationship between the County/CCHHS/CCDPH and Owner other than that of independent contractors.

VI. LIAISONS

CCDPH and the Owner have each identified a primary liaison together with their respective emergency contact information, as set forth on Exhibit B attached hereto. These individuals shall be authorized to act on behalf of the parties to plan for and facilitate the implementation of this MOA and to provide and receive information pursuant to this MOA.

VII. ENTIRE AGREEMENT; AMENDMENT

This MOA constitutes the entire agreement between the Owner and the County/CCHHS/CCDPH and supersedes any prior written or oral agreements between the parties regarding the subject matter hereof.

This MOA shall not be amended except by written agreement of the parties. The Chief Operating Officer of CCDPH shall be authorized to enter into amendments to this MOA, provided that no such amendment may result in the imposition of any payment obligation upon the County, CCHHS or CCDPH without the approval of the Cook County Board of Commissioners and/or the CCHHS Board of Directors.

VIII. SEVERABILITY

If any provision of this MOA is held invalid or unenforceable, the remaining provisions shall remain in effect to the fullest extent permitted by law.

IX. TERM; TERMINATION

The term of this MOA shall be for one (1) year commencing as of the date both parties have signed this MOA and shall renew automatically for one year periods thereafter. Either party may provide written notice to the other at least ninety (90) days prior to the expiration of the relevant annual period encompassed by this MOA that the party wishes to terminate its participation in this MOA.

X. NOTICES

All notices shall be in writing, sent by certified mail and by confirmed facsimile, return receipt requested, with proper postage pre-paid, shall be deemed to have been given on the date of the mailing, and shall be addressed as follows:

To Owner:

Attention: _____
Title: _____
Owner Name: _____
Address: _____
City, State, Zip: _____
Fax: _____

To CCDPH:

Sandra Martell, RN, MS, DNP
Interim Chief Operating Officer
Cook County Department of Public Health
7556 West Jackson Boulevard
Forest Park, Illinois 60130
Fax: (708) 836-8659

IN WITNESS WHEREOF, the parties agree to the above terms and have caused this MOA to be signed by their duly authorized representatives:

For the Owner:

Signature: _____
Name: _____
Title: _____
Date: _____

**For the County of Cook/Cook County
Department of Public Health:**

Sandra Martell, RN, MS, DNP
Interim Chief Operating Officer
Date: _____

EXHIBIT A:

**DESCRIPTION OF PREMISES WITHIN SITE
TO BE USED FOR CLINICAL ACTIVITIES BY CCDPH**

(To be completed by Owner after Site visit)

Site Location: _____

(Include Street Number, Street Address, City, State and Zip Code of Site)

**A map of the specific location at Site to be used for Clinical activities is attached to this MOA and
incorporated as Exhibit A.
(OWNER MUST ATTACH COPY OF SITE MAP)**

EXHIBIT B:

LIAISON IDENTIFICATION

For the Owner:

Full Name: _____
Address: _____
City, State, Zip: _____
Phone: _____
Fax: _____
Pager: _____
Cell: _____
Email: _____

For the County of Cook/Cook County Department of Public Health:

Attention: Community Preparedness & Coordination Unit
Agency: Cook County Department of Public Health
Address: 15900 South Cicero Avenue, Building E-3rd Floor
City, State, Zip: Oak Forest, Illinois 60452
Phone: (708) 633-4000
Fax: (708) 633-8090

Request For Board Action

REFERRED TO BOARD: June 4, 2013

AGENDA ITEM NO: 5

ORIGINATING DEPARTMENT: Community Development

SUBJECT: Consideration of a Recommendation by the Zoning Board of Appeals to Deny a Requested Parking Variation at 3837 West Sherwin Avenue

SUMMARY AND BACKGROUND OF SUBJECT MATTER:

At the October 2, 2012 Village Board meeting, this matter was tabled indefinitely and the Village Board referred the underlying regulation to the Plan Commission for review. This underlying regulation, for which this variation is sought, prohibits parking in front yards, which do not lead to approved parking locations, such as garages. Since this referral, the Plan Commission considered this underlying regulation and recommended no change to the Zoning Code and on February 5, 2013 the Village Board concurred with this recommendation. The property owner however still desires consideration of the requested variation from this regulation. Since this matter was tabled, the Village Board should first remove this matter from the table in order to consider it.

As originally requested, Magdalena Mubark the property owner of 3837 Sherwin Avenue seeks a Zoning Code variation in order to permit off-street parking in front of the existing single-family residence. The property owner received an interior remodel permit to convert the attached garage into living space. By converting the attached garage into living space, the driveway no longer leads to an approved parking space. As a result, the Code requires that the driveway be removed and the curb be repaired. At the time of the issuance of the building permit to convert the attached garage into living space, the owner was advised of the requirement to remove the driveway leading to the planned converted garage.

After receiving the building permit to convert the garage into living space and beginning this work, the property owner filed for a variation in order to allow the driveway to remain. The requested variation is to permit parking in the driveway leading to the converted garage located to the front of the existing home.

Since adoption of the 2008 Zoning Ordinance, the Village has not considered any requests for a similar residential parking variation. Since 2009, property owners who have received Village building permits to convert attached garages into living space have all removed their driveways. Village records indicate that prior to 2009, some building permits had been issued where attached garages were converted to living space but the driveway was allowed to remain.

Public Hearing

The Zoning Board of Appeals (ZBA) considered the variation request on September 12, 2012. The ZBA considered testimony from Mr. Raymon Grossman, attorney for the property owner, that there are many other properties located on the same block with the same condition. Mr. Grossman asserted that by granting the variation, the character of the neighborhood will not be changed. Mr. Grossman added that on-street parking in the area can be difficult and granting the variation will benefit the neighborhood by reducing reliance on on-street parking.

Several ZBAS members identified that driveways are often used to park vehicles. Staff acknowledged that parking on driveways does exist; however staff stated that those driveways lead to an approved parking space. Absent an approved parking space the driveway would need to be removed.

Members of the ZBA discussed the hardship standards for granting a variation. The ZBA concluded that there were no hardships presented to grant the requested variation. The ZBA noted that the subject property has an alley to the rear of the property in which parking may be added that would comply with the Zoning Ordinance.

Paul Eisterhold, 6810 Lincolnwood Drive, and Chairman of the Plan Commission was present to speak on the matter. Chairman Eisterhold indicated that parking regulations have been discussed many times within the Village. Chairman Eisterhold opined that there were no unique conditions present in this request to grant relief from the Zoning Ordinance. Except for the testimony of Chairman Eisterhold, no other public testimony was received on this matter.

Zoning Board of Appeals Recommendation

In its deliberations, the ZBA found that the petitioner did not sufficiently demonstrate a hardship to permit parking to the front of the existing home. The ZBA unanimously voted (5-0) to recommend that the requested variation be denied.

In its discussions, the ZBA suggested that it may be appropriate to allow the applicant time to remove the driveway. This suggestion however was not included in the ZBA's formal recommendation on this matter.

FINANCIAL IMPACT:

None

DOCUMENTS ATTACHED:

1. Village Board Minutes February 5, 2013 (Text Amendment)
2. Plan Commission Minutes January 9, 2013 (Text Amendment)
3. Village Board Minutes October 2, 2012 (Variation and Text Amendment Referral)
4. Letter from Raymon Grossman Received September 25, 2012
5. ZBA Report of September 12, 2012
6. September 12, 2012 ZBA Minutes (Variation)
7. Staff Report to ZBA
8. Variation Application
9. Plat of Survey
10. Proof of Ownership
11. Applicant Submitted Photographs

RECOMMENDED MOTION:

Move to concur with a recommendation of the Zoning Board of Appeals to deny a request for a variation to permit parking in the front yard of the property commonly known as 3837 West Sherwin Avenue.

Committee of the Whole meeting that immediately proceeded the current Regular Meeting. Mr. Wiberg provided this summary and provided upcoming meeting dates for the proposed TIF District.

Consent Agenda

Trustee Elster presented the Consent Agenda items by PowerPoint.

1. Approval of an Ordinance Authorizing the Sale and Disposal of Personal Property Owned by the Village
2. Approval of a Recommendation by the Plan Commission to Adopt an Ordinance Amending Section 11.04 of the Zoning Ordinance Regarding Maximum Number of Wall Signs
3. Approval of a Recommendation by the Plan Commission to Adopt an Ordinance Amending Section 4.12 of the Zoning Ordinance Regarding Corner Side Yard Setback in the R4 General Residence District
4. Approval of a Recommendation by the Plan Commission to Adopt an Ordinance Amending Section 4.07(13) of the Zoning Ordinance Regarding Additional Standards for the Lincoln Avenue Corridor
5. Approval of a Recommendation by the Plan Commission to Adopt an Ordinance Amending Table 4.01.1 of the Zoning Ordinance Regarding Additional Standards for Townhouse, Multi-Family Dwelling, and Residential Units Above First Floor Commercial
6. Approval of a Recommendation by the Plan Commission to Adopt an Ordinance Amending Various Sections of the Zoning Ordinance Regarding Average Front Yard Setbacks in All Zoning Districts
7. Approval of a Recommendation by the Plan Commission Regarding Front Yard Parking
8. Approval of a Resolution Awarding a Bid for the Construction of Sewer Improvements within the Village in the Amount of \$179,451.25 to Visu-Sewer LLC of Bridgeview, IL
9. Approval of a Resolution to Extend the Professional Janitorial Services Contract with Best Quality Cleaning, Inc. for \$38,760 for One Year
10. Approval of a Resolution authorizing the Village Manager to Execute a Contract with New World Systems for 11 Mobile Software Seat Licenses and Third Party Motor Vehicle Traffic Crash Diagraming Software for \$37,819
11. Approval of a Resolution Authorizing the Village Manager to Execute a Memorandum of Understanding with the Village of Glenview for the Provision of Code Enforcement Services

Trustee Leftakes made a motion to approve the Consent Agenda as presented. Trustee Patel seconded the motion.

Upon Roll Call the results were:

AYES: President Pro-Tem Elster, Trustees Patel, Heidtke, Leftakes, Swanson

NAYS: None

The motion passed.

The Consent Agenda was approved.

January 9, 2013

IV. PUBLIC HEARING: Off-Street Parking Standards, Requirements and Definitions – Zoning Code Text Amendment

Request: Text Amendment to Modify Pertinent Parking Standards, Parking Requirements, and Related Definitions (*Continued from December 5, 2012 and November 7, 2012*)

Development Manager Cook explained that this matter stemmed from an on-going review of the Village's parking standards. More specifically, restaurant off-street parking. During that discussion, it was discussed that how we determine the number of parking may be different from what other communities do. Staff researched other communities for the purposes of off-street parking. If a restaurant is 1,000 square feet including all gross area, parking can be done with all 1,000 square feet or some may cut out storage, bathrooms, and hallways in definitions of floor area. Need to provide a minimum off-street parking that will serve that business. On average, how many spaces are needed for the number of square feet. Staff found that other communities include less floor area for off-street parking than Lincolnwood does. Staff recommends excluding from floor area definition for off-street parking:

1. Restrooms
2. Storage Areas
3. Hallways
4. Stairways
5. Elevator Shafts
6. Equipment Areas
7. Food Preparation Areas

After Commission discussion they wanted to exclude: restrooms, hallways, stairways, and elevator shafts from Floor Area for the purposes of off-street parking for Restaurants.

Commissioner Touras wanted to see more samples of other communities like Lincolnwood such as Glenview, Park Ridge and Wilmette.

Chairman Eisterhold asked if anyone in the audience would like to speak on this matter. There was none. Commissioner Goldfein made a motion to continue to February 6, 2013 meeting. Seconded by Commissioner Sampen. Motion carries 4-0.

**V. PUBLIC HEARING: Parking Requirements – Zoning Code Text Amendment
Request: Text Amendment to Review Permitted Location for Off-Street Parking
and Review of Related Definitions (*Continued from December 5, 2012*)**

Development Manager Cook explained for off-street parking regulations that in yards open air, off-street parking spaces, may be located in any yard except a front yard and a side yard abutting a street, subject however to the provisions within. This is a standard that the vast majority of commercial properties in town have parking between the building and the street they are fronting on. Interestingly enough his was referred to the Commission because of a residential application. A resident sought a variation due to converting an attached garage into living space. The resident desired to keep the

January 9, 2013

driveway for the purposes of parking. That driveway no longer led to an approved parking space and that driveway then was converted to a parking space. The code says you cannot have parking in the front yard. The resident sought a variation and the Zoning Board of Appeals recommended denial. The Village Board sought the Plan Commission to seek a review of this code section.

Commissioner Sampen noted that he is not in favor of changing the requirement. Commissioner Goldfein stated there is nothing wrong with the requirement as written.

Chairman Eisterhold asked if anyone in the audience wanted to speak on this matter. There was none. Commissioner Goldfein made a motion of no change to the existing Ordinance. Seconded by Commissioner Touras. Motion carried 4-0 Aye.

VI. PUBLIC HEARING: Principal Structure Front Yard Setback Requirement – Zoning Code Text Amendment
Request: Text Amendment to Relocate Regulation for Average Front Yard Setback to Section IV of Zoning Ordinance

Development Manager introduced Community Development Department Intern Andrea Litzhoff. Ms. Litzhoff explained that it makes sense to move Article III Section 3.09.3 to Article IV Sections 4.11 and 4.12. Also, need to change from Residential District to All Districts. It should be in regulating bulk standards and setback requirements for principal structures.

Chairman Eisterhold questioned if anyone in the audience wanted to speak on this matter. There was none. Motion made by Commissioner Goldfein to make suggested change as presented by Staff. Seconded by Commissioner Sampen. Motion carried 4-0. Aye.

VII. PUBLIC HEARING: Land Use Requirements – Zoning Code Text Amendment
Request: Text Amendment to Correct Footnote References of the Land Use Table

Development Manager explained a Text Amendment as proposed to correct erroneous additional standard references for Townhouse, Multi-Family Dwelling and Residential Units above first floor commercial. Those section references are incorrect. The Text Amendment is not to change the classification or standards, it is to correct the incorrect references from the non-existent 4.07(2)12 to 4.07(12).

Chairman Eisterhold asked if anyone in the audience wanted to speak on this matter. There was none. Commissioner Sampen made a motion to make the change for the correct section reference. Seconded by Commissioner Goldfein. Motion carried 4-0 Aye.

VIII. PUBLIC HEARING: Additional Standards for Lincoln Avenue Corridor – Zoning Code Text Amendment
Request: Text Amendment to Correct Section References

3. Multicultural Task Force

President Turry announced a meeting, on Tuesday, October 9 at 6PM in the Council Chambers, of the Parks and Recreation Multicultural Task Force. The mission of the Task Force is to reach out to members of the many ethnic groups in our community to gather input regarding recreation programs, services and facilities. For information contact the office of the Village Clerk.

4. Village Public Meeting Agenda Subscription List

President Turry announced that the Village has created a new email subscription list which will allow subscribers to receive agendas of public meetings. This is part of an effort to provide transparency. When a public hearing agenda is posted at Village Hall it will also be sent out electronically to subscribers. To subscribe:

www.egovlink.com/lincolnwood/subscriptions/subscribe.asp or send an email with the subject line "Agenda" to subscribe@lwd.org

5. Proclamation Regarding Illinois Arts and Humanities Month

President Turry proclaimed October 2012 as Illinois Arts and Humanities Month in the Village of Lincolnwood. He spoke of the value of the Arts and Humanities in enriching the lives of us all. The proclamation was presented to Carlos Velazquez, Communications Manager of the Illinois Arts Council.

The Board concurred.

6. Walk to School

President Turry spoke reminding residents to join him and the children of District 74 as they Walk to School at Drake Park on October 3 at 7:45AM.

Regular Business

1 .Consideration of an Ordinance Approving a Variation Request from Section 3.13(11)h of the Zoning Ordinance to Permit a Fence in a Corner Side Yard to Exceed the Maximum 4 Feet Height Restriction at 6402 North Kolmar Avenue

This item was presented by Mr. Clarke. An ordinance has been prepared by the Village Attorney and is being presented at this time for approval.

There was no discussion of the item.

Trustee Leftakes moved to approve the Ordinance. Trustee Elster seconded the motion.

Upon Roll Call the results were:

AYES: Trustees Leftakes, Elster, Patel, Swanson, Sprogis-Marohn, Heidtke

NAYS: None

The motion passed.

2. Consideration of a Recommendation by the Zoning Board of Appeals to Deny a Parking Variation at 3837 West Sherwin Avenue

The item was presented by Mr. Cook who provided background information.

Petitioner Magdalena Mubark and her attorney Raymon Grossman were in attendance.

3837 West Sherwin Avenue

- Zoning Code prohibits front yard parking
- Attached garage recently converted into living space eliminating approved parking
- As a result Zoning and Municipal Code requires removal of driveway
- Owner requests front yard parking variation to allow existing driveway to remain
- Building permit issued requiring removal of driveway

Photographs and site plan drawings were presented.

ZBA Public Hearing
September 12, 2012

1. Plan Commission Chair Paul Eisterhold testified that parking regulations had been discussed numerous times by the Village. Chairman Eisterhold opined that no unique conditions were present to grant zoning relief.
2. No other public testimony was received.

ZBA Deliberations

1. Unanimously concluded that requested variation request not consistent with stated intent and purpose of Zoning Ordinance
2. ZBA opined that the Village regulation may be eligible for review to determine appropriateness

Zoning Board of Appeals

By a 5 – 0 vote, ZBA Recommends Denial of requested residential parking variation.

Discussion and questions ensued. Attorney Grossman addressed the Board expressing consideration for reviewing the ordinance. Ms. Mubark explained her position. Mr. Grossman, also a resident of this block, stated that the situation is consistent with other residences on the block. He presented inconsistencies in the Ordinance.

Motion 1 – To continue this recommendation indefinitely

Trustee Elster moved to continue this recommendation indefinitely, seconded by Trustee Sprogis-Marohn.

The motion passed with a Voice Vote – Nay from Trustee Heidtke.

Motion 2 – Remand to Plan Commission

Trustee Elster moved to initiate the process of code amendment 7.06(5) and remand the item to the Plan Commission, seconded by Trustee Sprogis-Marohn.

The motion passed with a Voice Vote.

RAYMON A GROSSMAN & ASSOCIATES, P.C. Attorneys-at-Law
3827 W. Sherwin Ave., Lincolnwood, IL 60712-1021
Raymon A. Grossman (847) 494-8898
raygg@mac.com FAX: (847) 677-3156

Mayor Jerry Turry
Lawrence Elster
Thomas Heidtke
Nicholas Leftakes
Jesal B. Patel, Sr.
John Swanson
Renee Sprogis-Marohn

RECEIVED
SEP 25 2012
LINCOLNWOOD
COMMUNITY DEVELOPMENT

Re: Magdalena Mubark
3827 W. Sherwin zoning variation / Ordinance Amendment

Mayor Turry and Honorable Trustees,

I represent Magdalena Mubark, who recently purchased the above described home and decided to convert the garage in the front of the home to an interior room, which was beautifully done. She was advised that in accordance with recent Ordinance amendments she would be required to remove the front driveway. I am also here neighbor. I live at 3827 W. Sherwin, 2 doors to the east.

The subject zoning code provision is:

Section 7.06(5)

(5) In Yards: Open-air, off-street parking spaces, may be located in any yard except a front yard and a side yard abutting a street, subject however to the provisions herein.

Ms. Mubark believed that she could seek a variation to the ordinance based on numerous reasons as set forth below. The ZBA denied here Petition for the variance on September 12, 2012 as set forth in its report to you, which you are considering at the 10/2/12 Meeting. That report DOES SUGGEST that discussion on possible amendments may be appropriate.

On October 2, 2012 we will ask you to approve the variation requested, despite the ZBA recommendation for denial or to strongly consider amending the Code, or both. It would make sense to grant this variation now and then to carefully amend the Code for numerous reasons, including the following:

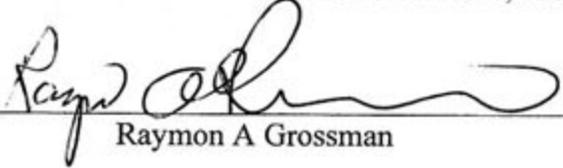
1. Ms. Mubark bought this home in 2012 on a block on which 11 of 20 houses have front driveways without garages. There are only ___ garages.
2. Some of the driveways “escape” the ordinance because they go from the front to the side of the home. Nevertheless, vehicles can park in the front of those driveways – in the front of the homes, creating a similar situation to what the ordinance attempted to prevent.
3. Another basis for creating the ordinance was to encourage a greener Lincolnwood. The ordinance actually encourages more concrete and cement and less green. She and others have been told that they could build a garage in their back yards. This or longer driveways would be much more expensive and remove even a greater amount of potential green space.
4. With this driveway the home is very consistent with the other properties on the block. These driveways allow for more parking. As it is, it is often difficult to find parking spaces near one’s home on the block. For those with 2 cars, two can park on the driveway or one can park in front of the driveway, leaving more parking spaces. I would often have had to park down the block if I could not have parked on my driveway or in front of it.
5. The cost of removing the driveway and restoring the lawn on that portion of the front of the house is expensive.

We look forward to resolving this matter fairly and for the benefit of all the residents.
Thank you for your attention to this matter.

Very truly yours,

RAYMON A GROSSMAN & ASSOCIATES, P.C.

By: _____


Raymon A Grossman

Report of the Zoning Board of Appeals (ZBA) to the Village Board

Date of ZBA meeting: September 12, 2012

ZBA members present: Paul Gordon, Paul Grant, Christopher Nickell, Kathy O'Brien and S.J. Malkin

Also present: Development Manager/Zoning Officer Aaron Cook

Application of Darlene Egues for variation from Article III, Section 3.13(11)h of the Zoning Code to permit construction of a five-foot high board-on-board fence on property at 6402 N. Kolmar Avenue

Darlene Egues appeared on her own behalf.

Nature of the Application

Applicant desires to replace the existing fence, which has fallen into disrepair, with a five-foot board-on-board fence in the rear of the residence along the south (Devon Avenue) frontage. A portion of the existing fence (that portion by the patio in the rear of the premises) is five feet in height. The property is located on the northwest corner of Kolmar and Devon Avenues. Section 3.13(11)h of the Zoning Ordinance limits fences on corner side yard lots to four feet in height. The proposed fence would meet the requirements of the Zoning Code in all other respects. Evergreens approximately five feet in height are presently planted in front of the existing fence.

Issue Presented for Review

The issue is whether Applicant has demonstrated a sufficient hardship to justify construction of a five-foot fence in lieu of a four-foot fence permitted by the Zoning Code.

Conclusion and Recommendation of ZBA

(Note: Paul Eisterhold, Chairman of the Plan Commission, appeared (as an individual and not in his official capacity) to explain to the ZBA members the provenance of the Zoning Code provisions relating to fences and stressed the importance of strictly adhering to those provisions unless a hardship is clearly shown.)

Applicant testified that she needs a five-foot fence in order to provide adequate privacy and protection by virtue of the fact that her property is located on a busy thoroughfare (Devon Avenue) and she is a single woman living alone. During the discussion that followed, Members Kathy O'Brien and Paul Gordon expressed their opinion that a four-foot fence, together with the evergreens that are planted in front of that fence, would provide ample privacy and protection to the Applicant. Chairman Malkin set forth his rationale in support of the requested variation, which rationale was concurred with by Member Christopher Nickell. (In light of the decision of

the majority of ZBA members, as hereinafter set forth, the rationale expressed by Chairman Malkin is set forth in the addendum attached to this report.) Upon conclusion of the discussion, Chairman Malkin moved that the requested variation (i.e. a five-foot fence) be recommended for approval subject, however, to the conditions that: a) evergreens of at least the height of the fence be maintained in front of the fence as long as the fence remains; and b) the fence be installed by a professional contractor with footings sufficient to prevent the fence from being blown over by the wind (both of which conditions the Applicant agreed to). However, by a vote of 3 to 2 (Members O'Brien, Gordon and Grant voting against the motion, and Chairman Malkin and Member Nickell voting in favor), the motion was defeated. Accordingly, it is the recommendation of ZBA that the requested variation to permit a five-foot fence be denied.

S.J. Malkin, Chairman

(See addendum attached hereto)

Addendum

Following is the rationale expressed by Chairman Malkin (concurring with Member Nickell) in support of the requested variation:

Chairman Malkin quoted from the following applicable provisions of the Zoning Code:

Section 3.13(1): “This Section 3.13 provides for the regulation of Fences and Natural Screening in the Village. This Article encourages the residents and businesses of the Village to utilize Natural Screening over open fencing whenever possible or to consider the use of an open, wrought iron type fence in conjunction with an evergreen hedge to achieve safety, privacy, and aesthetics for residences and businesses.”

Section 3.13(24)b.i, ii and iii: “A Fence variation from the provisions and requirements of this Section may be recommended to the Board of Trustees where the Zoning Board of Appeals finds:

- i. The literal interpretation and strict application of the provisions and requirements of this Article would cause undue and unnecessary hardship because of unique or unusual conditions pertaining to the specific building parcel or property in question or pertaining to some aspect of the proposed Fence or in its relation to other objects;
- ii. The granting of the requested Fence Variation would not be materially detrimental to the Property Owners in the vicinity;
- iii. The unusual conditions applying to the specific property do not apply generally to other properties in the Village;”

Section 3.13(24)d: “Where there is insufficient evidence to support a finding of undue and unnecessary hardship under the immediately preceding subsection (b), but some hardship does exist, the Zoning Board of Appeals may consider the requirement fulfilled and recommend favorable action to the Board of Trustees if the proposed Fence substantially enhances the architectural integrity of the building, or the Fence is in conformity with nearby structures.”

By virtue of the two latter sections quoted above, the Zoning Code apparently gives substantial leeway to ZBA in determining whether a variation as to fence height may be granted, especially Section 3.13(24)d, which appears to considerably relax the hardship requirement. In the present case, although no guidance can be found in the Zoning Code as to what would be considered a “unique or unusual condition” (Section 3.13(24)b.i), the fact that the Applicant’s property is located on a heavily trafficked street in the Village (Devon Avenue) could be seen as a unique and unusual condition which does not apply generally to other properties in the Village and, whether or not one might agree that the Applicant’s privacy and safety concerns are well-founded, her strong feeling in that regard should be respected. Moreover, the Zoning Code does not prohibit five-foot fences (fences up to six feet are permitted), but only places a four-foot limitation on corner side yard lots. Thus, if this property were not located on the corner, a five-

foot fence would be permitted. By requiring evergreens at least the height of the fence to be maintained as long as the fence remains, the entire fence would be shielded from view, so that any objection as to the aesthetics of the fence would thereby be obviated.

MINUTES OF SEPTEMBER 12, 2012
MEETING OF THE LINCOLNWOOD
ZONING BOARD OF APPEALS (ZBA)

The regular meeting of the Zoning Board of Appeals was called to order on September 12, 2012 at 7:00 p.m. In attendance were Paul Gordon, Paul Grant, Christopher Nickell, Kathy O'Brien and S.J. Malkin.

Also present: Community Development Manager/Zoning Officer Aaron Cook

Chairman Malkin then called for any comments or corrections regarding the minutes of the ZBA meeting on July 18, 2012 and, there being none, on motion duly made and seconded, the minutes were unanimously approved. Chairman Malkin then called for a vote regarding the minutes of August 15, 2012 which documented the fact that, due to lack of a quorum, Development Manager Aaron Cook announced that the August 15, 2012 regular meeting of ZBA was continued to the September 12, 2012 meeting, which minutes, on motion duly made and seconded, were unanimously approved.

A public hearing was then held on the application of Darlene Egues for variation from Article III, Section 3.13(11)h of the Zoning Code to permit construction of a five-foot high board-on-board fence on the property at 6402 N. Kolmar Avenue. Upon conclusion of the discussion, Chairman Malkin moved that the requested variation (i.e. a five-foot fence) be recommended for approval subject, however, to the conditions that: a) evergreens of at least the height of the fence be maintained in front of the fence as long as the fence remains; and b) the fence be installed by a professional contractor with footings sufficient to prevent the fence from being blown over by the wind (both of which conditions the Applicant agreed to). However, by a vote of 3 to 2 (Members O'Brien, Gordon and Grant voting against the motion, and Chairman Malkin and Member Nickell voting in favor), the motion was defeated. Accordingly, it was the recommendation of ZBA that the requested variation to permit a five-foot fence be denied.

(For details, see report filed by Chairman Malkin)

A public hearing was then held on the application of Magdalena Mubark for variation from Article VII, Section 7.06(5) of the Zoning Code to permit off-street parking on the existing driveway in the front of the residence at 3837 W. Sherwin Avenue. After discussion, by a vote of 5 to 0, ZBA recommended that the requested variation be denied.

(For details, see report filed by Chairman Malkin)

Chairman Malkin then announced that the next meeting of ZBA will be held on October 17, 2012.

There being no further business, on motion duly made and seconded, by unanimous consent the meeting was adjourned.

Sherwin J. Malkin, Chairman



Staff Report

Zoning Board of Appeals

September 12, 2012
Continued From August 15, 2012

Subject Property:

3837 West Sherwin Avenue

Zoning District: R3 Residential

Petitioner:

Magdalena Mubark - Property Owner

Requested Action: Variation sought to Article VII, Section 7.06(5) of the Zoning Code to permit parking to the front of the existing single-family home.



Nature of Request: The property owner is seeking a variation in order to permit off-street parking in front of the existing single-family residence. The variation is sought in order to permit the property owner to keep the existing driveway which would otherwise be required to be removed as a result of converting the attached garage into living space.

Notification: Notice in Lincolnwood Review dated July 26, 2012, Public Hearing Sign Installed at 3837 West Sherwin Avenue, and Mailed Legal Notices Dated July 24, 2012 to Properties within 250 Feet.

Summary of Request

The staff summary and attached documents were distributed for the August 15, 2012 Zoning Board of Appeals meeting. This matter was continued to September 12, 2012.

The property owner in April 2012 received an interior remodel permit which included converting an attached garage into living space. As a result, the existing driveway no longer leads to an approved off-street parking space (permitted off-street parking space formerly the attached garage). Section 7.06(5) of the Zoning Code permits off-street parking in any yard except a front yard. Therefore, the property owner seeks approval to permit an off-street parking space in the front yard of the property commonly known as 3837 West Sherwin Avenue.

As part of the April 2012 building permit approval, the permit was issued with the requirement that the driveway be removed. In accordance with the Municipal Code, by eliminating an approved parking space, the driveway would be considered abandoned and as a result, the

driveway must be removed and the curb replaced. After receiving the building permit and work commencing, the property owner sought further Village consideration in order to keep the driveway. As a result of this request for additional review, it was determined that the most appropriate review/appeal is an off-street parking variation. The property owner does not seek any modifications to the existing driveway rather; the request is to keep the existing driveway in the same location and same dimensions.

Related Village Action

Since 2009 the Village has not considered any like variation requests. In other situations in which a property owner has converted an attached garage into living space the driveway has been required to be removed. However, staff has observed other residential properties in the Village in which there is a driveway that does not lead to an attached garage or parking to the side/rear of the home.

Pertinent Property Information – As indicated, the property owner received a building permit to convert the existing attached garage thus creating the situation in which relief is requested. The project is nearing a completion and prior to issuing the required Certificate of Occupancy; a resolution to this issue is required.

Conclusion

The property owner is seeking a variation in order to allow the existing driveway to remain and serve as approved off-street parking to the front of the existing residence. Without the requested variation, the property owner will be required to remove the driveway in its entirety and replace the curb.

Documents Attached

1. Staff Photograph of Subject Property
2. Residential Zoning Variation Application
3. Plat of Survey/Site Plan
4. Proof of Ownership



VILLAGE OF LINCOLNWOOD
Community Development Department

Public Hearing Application
Variations

SUBJECT PROPERTY

Property Address: 3837 W. Sherwin Ave, Lincolnwood

Permanent Real Estate Index Number(s): 10-26-313-058-0000

Zoning District R3 Lot Area: ~~124,33~~ 124,33 x 45

List all existing structures on the property. Include fencing, sheds, garages, pools, etc.

Fences on East South & West Sides

Are there existing development restrictions affecting the property? Yes No
(Examples: previous variations, conditions, easements, covenants)

If yes, describe: _____

REQUESTED ACTION

- Variation - Residential
- Variation - Signs/Special Signs
- Variation - Non-Residential
- Minor Variation
- Variation - Off-Street Parking
- Other
- Variation - Design Standards

PROJECT DESCRIPTION

Describe the Request and Project: Home recently purchased with driveway off Sherwin into garage in front. Garage converted to a room. Variance requested to allow driveway to remain and to allow parking on driveway

PROPERTY OWNER/PETITIONER INFORMATION

Property Owner(s):

Name: (List all beneficiaries if Trust): MAGDALENA MURARK

Address: 3837 W. Sherwin, Lincolnwood, IL 60712

Telephone: (847) 313-5115 Fax: (847) 625-0518 E-mail Address: maggieherlo@yahoo.com

Petitioner (if different from owner):

Name: _____ Relationship to Property: _____

Address: _____

Telephone: (____) _____ Fax: (____) _____ E-mail Address: _____



VILLAGE OF LINCOLNWOOD
COMMUNITY DEVELOPMENT DEPARTMENT

VARIATION STANDARDS

To be approved, each variation request must meet certain specific standards. These eight standards are listed below. After each listed standard, explain how your variation request satisfies the listed standard. Use additional paper if necessary.

1. The requested variation is consistent with the stated intent and purposes of the Zoning Ordinance and the Comprehensive Plan.

The variation will protect and enhance the residential quality of the block and the area. It will allow more parking and be consistent with the other properties, many of which have a driveway without a garage.

2. The particular physical surroundings, shape or topographical conditions of the subject property would bring a particular hardship upon the owner, as distinguished from a mere inconvenience, if the strict letter of this Zoning Ordinance is enforced.

Parking is limited because almost every house on the block has a driveway, many without garages. This would allow for more parking and save substantial money.

3. The conditions upon which the petition for the variation is based would not be applicable generally to other property within the same Zoning District.

Most houses already have a driveway, even though many do not have a garage.

4. The variation is not solely and exclusively for the purpose of enhancing the value of or increasing the revenue from the property.

Value is not the issue. Parking area for home owner & neighbors is enhanced & appearance is consistent with other properties.

VARIATION STANDARDS (continued)

5. The alleged difficulty or hardship has not been created by any person presently having an interest in the property.

The hardship is the burden too the homeowner based on the fact that almost every house on the block has a driveway, many without a garage, the cost of removing the driveway and the fact that the owner had no reason to believe that the driveway would have to be replaced based on the numerous driveways on the block without garages.

6. The granting of the variation will not be detrimental to the public welfare or injurious to other property or improvements in the neighborhood in which the property is located.

It will be beneficial! More parking & less construction.

7. The variation granted is the minimum change to the Zoning Ordinance standards necessary to alleviate the practical hardship on the subject property.

No construction work or interruption or intrusion of any kind will result from the variation.

8. The proposed variation will not impair an adequate supply of light and air to adjacent property, or substantially increase the danger of fire, or otherwise endanger the public safety, or substantially diminish or impair property values within the neighborhood.

Variation will improve safety and increase property value within the neighborhood - money safe parking. NO impairments.

REQUIRED ATTACHMENTS

Check all documents that are attached:

- 1 Plat of Survey
- Site Plan
- 1 Proof of Ownership
- Floor Plans
- Elevations
- Applicable Zoning Worksheet
- Photos of the property
- PDF files of all drawings

For Office Use Only

Fee: _____ Deposit: _____

Date Received: _____

Checked By: _____

The article(s), section(s) and paragraph(s) of the Village of Lincolnwood Zoning Ordinance from which the Action is being sought:

*The above documents are required for all applications. The Zoning Officer may release an applicant from specific required documents or may require additional documents as deemed necessary.

COST REIMBURSEMENT REQUIREMENT

The Village requires reimbursement of certain out-of-pocket costs incurred by the Village in connection with applications for zoning approvals and relief. These costs include, but are not limited to, mailing costs, attorney and engineer costs, and other out-of-pocket costs incurred by the Village in connection with this application. In accordance with Section 5.02 of the Village of Lincolnwood Zoning Ordinance, both the petitioner and the property owner shall be jointly and severally liable for the payment of such out-of-pocket costs. Out-of pocket costs incurred shall be first applied against any hearing deposit held by the Village, with any additional sums incurred, to be billed at the conclusion of the hearing process.

Invoices in connection with this application shall be directed to:

Name: MAGDALENA MUBARK

Address: 3837 W Sherwin

City, State: Lincolnwood, IL 60212

ATTESTMENT AND SIGNATURE

I hereby state that I have read and understand the Village cost reimbursement requirement, as well as the requirements and procedures outlined in Article V of the Village Zoning Ordinance, and I agree to reimburse the Village within 30 days after receipt of an invoice therefor. I further attest that all statements and information provided in this application are true and correct to the best of my knowledge and that I have vested in me the authority to execute this application.

PROPERTY OWNER

PETITIONER (If different than property owner)

Magdalena Mubark 7/28/12

Signature Date

Signature Date

Magdalena Mubark

PRINT NAME

PRINT NAME

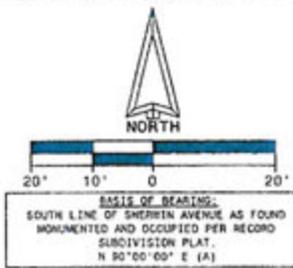
LEGEND	
A = ASSUMED	SW = NORTHWEST
BL = BUILDING SETBACK LINE	P.O.B. = POINT OF BEGINNING
C = CALCULATED	P.O.C. = POINT OF COMMENCEMENT
C.E. = CITY EASEMENT	P.U.E. = PUBLIC UTILITY EASEMENT
CH = CHORD	P.U. & D. E. = PUBLIC UTILITY & DRAINAGE EASEMENT
CL = CENTERLINE	R = RECORD
D = DEED	RAD = RADIUS
D.E. = DRAINAGE EASEMENT	R.O.W. = RIGHT OF WAY
E = EAST	S = SOUTH
F.I.P. = FOUND IRON PIPE	S.I.P. = SET IRON PIPE
F.I.R. = FOUND IRON ROD	S.I.S. = SET IRON ROD
FT. = FEET/FOOT	SE = SOUTHEAST
L = ARC LENGTH	SW = SOUTHWEST
M = MEASURED	V.E. = VILLAGE EASEMENT
N = NORTH	W = WEST
NE = NORTHEAST	
	--- FENCE
	--- EASEMENT LINE
	--- SETBACK LINE

AREA OF SURVEY:
CONTAINING 5.584 SQ. FT. 0.13 ACRES MORE OR LESS

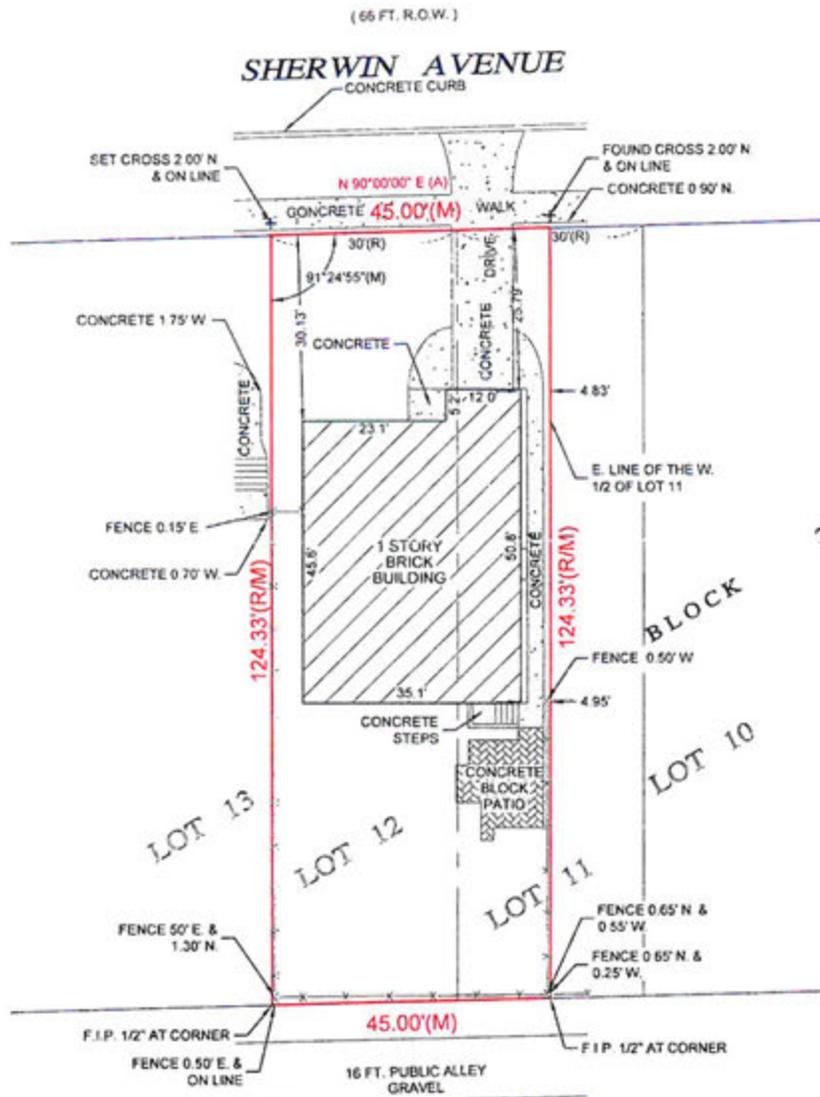
MORRIS ENGINEERING, INC.

5100 S. LINCOLN LITTLE, ILLINOIS 60532
 MAIN PHONE: (630)271-0770 SURVEY DEPT. PHONE (630)271-0599
 EMAIL: SURVEY@ECIVIL.COM WEBSITE: ECIVIL.COM

PLAT OF SURVEY



THE WEST 1/2 OF LOT 11 AND ALL OF LOT 12 IN BLOCK 2 IN ENGEL'S CRAWFORD CHASE SUBDIVISION, A SUBDIVISION IN THE NORTH 1/2 OF THE SOUTH 1/2 OF THE WEST 1/2 OF SECTION 26, TOWNSHIP 41 NORTH, RANGE 13, EAST OF THE THIRD PRINCIPAL MERIDIAN, ACCORDING TO THE PLAT THEREOF RECORDED JANUARY 27, 1927 AS DOCUMENT 9534308, IN COOK COUNTY, ILLINOIS.



STATE OF ILLINOIS
 COUNTY OF DUPAGE

I, THE UNDERSIGNED, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, DO HEREBY CERTIFY THAT THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY, AND THAT THE PLAT HEREON DRAWN IS A CORRECT REPRESENTATION OF SAID SURVEY.

DATED, THIS 1ST DAY OF MARCH, A.D., 2012, AT LITTLE, ILLINOIS.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-2181
 LICENSE EXPIRATION DATE NOVEMBER 30, 2012
 ILLINOIS BUSINESS REGISTRATION NO. 184-001245



NOTE:

- ALL TIES SHOWN ON THIS SURVEY ARE MEASURED TO THE BUILDING'S SIDING (BRICK, FRAME, STUCCO, METAL, ETC.) AND NOT TO THE FOUNDATION, UNLESS NOTED OTHERWISE.
- ROOF LINES AND OVERHANGS ARE TYPICALLY NOT SHOWN HEREON.

ADDRESS COMMONLY KNOWN AS 3837 W. SHERWIN AVENUE
 LINCOLNWOOD, ILLINOIS

CLIENT KARM & PATTERSON, P.C.

JOB NO. 12-02-0002

FIELDWORK DATE/CREW CHIEF 02-16-12 (CS/DS)

DRAWN BY: JB REVISED:

TRUSTEE'S DEED

THIS INDENTURE, made this
1 day of March,
2012, that ELIZABETH A. JOHNSON,
AS TRUSTEE UNDER TRUST
AGREEMENT KNOWN AS THE
ELIZABETH A. JOHNSON TRUST
DATED JANUARY 28, 2009, (hereinafter
"Grantor"), and MAGDALENA H.
MUBARK, a single person,
(hereinafter "Grantee"),

I hereby certify that this is
an exact copy of the original
By _____
Fort Dearborn Land Title

WITNESSETH, that Grantor, in
consideration of the sum of Ten and
00/100ths (\$10.00) Dollars and other good and valuable consideration, receipt whereof which
is hereby acknowledged, and in pursuance of the power and authority vested in the Grantor as
said Trustee does hereby convey and warrant unto the Grantee, MAGDALENA H. MUBARK,
of 3301 West Pratt, Lincolnwood, Illinois 60712, the following described Real Estate situated in
the County of Cook, in the State of Illinois, to wit:

Legal description attached hereto and made a part hereof.

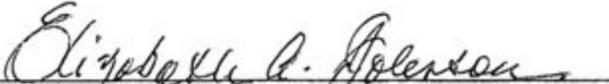
hereby releasing and waiving all rights under and by virtue of the Homestead Exemption Laws
of the State of Illinois TO HAVE AND TO HOLD said premises.

Subject to: General real estate taxes for 2011^{2nd installment} and subsequent years, covenants, conditions
and restrictions of record.

Address of Property: 3837 West Sherwin Avenue, Lincolnwood, Illinois 60712

Real Estate Permanent Index Number: 10-26-313-058-0000

IN WITNESS WHEREOF, the Grantor, as Trustee aforesaid, has hereunto set her hand and
seals the day and year first above written.

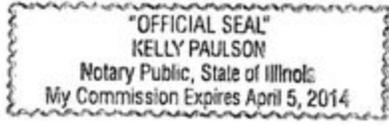

ELIZABETH A. JOHNSON, AS TRUSTEE
UNDER TRUST AGREEMENT KNOWN AS
THE ELIZABETH A. JOHNSON TRUST
DATED JANUARY 28, 2009

STATE OF)
) SS.
COUNTY OF)

The undersigned, a Notary Public in and for said County, in the State aforesaid, DOES HEREBY CERTIFY that ELIZABETH A. JOHNSON, AS TRUSTEE UNDER TRUST AGREEMENT KNOWN AS THE ELIZABETH A. JOHNSON TRUST DATED JANUARY 28, 2009, appeared before me this day in person and acknowledged that she signed and delivered the said instrument as her own free and voluntary act, for the uses and purposes therein set forth.

Given under my hand and official seal, this 12th day of March, 2012.

Kelly Paulson
Notary Public



Mail To:
Cherie Thompson
19 South LaSalle Street
Suite 302
Chicago, Illinois 60603

Send Subsequent Tax Bills To:
Magdalena H. Mubark
3837 West Sherwin Avenue
Lincolnwood, Illinois 60712

The West $\frac{1}{2}$ of Lot 11 and all of Lot 12 in Block 2 in Engel's Crawford Chase Subdivision, a Subdivision in the North $\frac{1}{2}$ of the South $\frac{1}{2}$ of the West $\frac{1}{2}$ of Section 26, Township 41 North, Range 13, East of the Third Principal Meridian, according to the Plat thereof recorded January 27, 1927 as document 9534308, in Cook County, Illinois.









NOTICE
PROPERTY FOR SALE
CALL 672-7402

Request For Board Action

REFERRED TO BOARD: June 4, 2013

AGENDA ITEM NO: 6

ORIGINATING DEPARTMENT: Public Works

SUBJECT: Consideration of a Recommendation by the Ad-Hoc Sewer Committee to Adopt a Resolution to Move Forward with (1) Designing and Implementing Stormwater Street Storage Improvements in a Pilot Area of the Village Not Exceeding 20% of the Village Land Area and (2) Development Design Plans at 30% Completion for a New Stormwater Outfall at the North Shore Channel

SUMMARY AND BACKGROUND OF SUBJECT MATTER:

Throughout 2007 staff and the Village Board discussed the possibility of undertaking a comprehensive Stormwater Management Plan (SMP). Staff recommended the Village Board support the goal of developing a SMP that would result in the Village's storm sewers being capable of handling a 10-year rain event without discharging into homes, and that this protection is achieved within 10 years. The Village Board referred the issue to the Ad-Hoc Sewer Committee, which subsequently, recommended such a goal to the Village Board. At a workshop meeting held on August 21, 2007, the Village Board approved this goal and directed staff to move forward with a SMP, with the first step being to secure the services of Mr. Bob Carr, of Water Resource Modeling, to assist the Village with securing an engineering consultant to undertake a stormwater model.

Subsequently, a Request for Qualifications (RFQ) was developed by Mr. Carr and Village Staff to identify firms to complete the project. The RFQ specifications listed three phases for the project:

- Phase I- Preparation of model to be run under various rain scenarios. Determination if system can handle a 10-year storm;
- Phase II- Identification of system bottlenecks; potential improvements to bring the system to a 10-year capacity would be identified; and
- Phase III- Design of improvements and oversight on implementation.

On June 5, 2008 the Village Board entered into an agreement with AB&H, A Donohue Group (AB&H) to complete the project. Over the last several years AB&H has completed Phases I and II of the Stormwater Study. Provided below is a summary of each Phase.

Phase I

In 2009 AB&H completed Phase I of the stormwater study. The Phase I report concluded that the Village's sewer system could not handle a 10-year rain event without surcharging into basements. This conclusion was based on the assumption that the Village's sewer system was currently in perfect working order and free from blockages or flow issues. A series of rain events were run through the hypothetical "problem free" system to determine if the system could handle a 10-year rain event. Virtually the entire system failed.

Phase I-B

Per the original Stormwater Study specifications, if the system failed during Phase I then, based on direction given by the Village Board, the study would move to Phase II. However, the Ad-Hoc Sewer Committee felt that in order to ensure that the model's results in Phase I were accurate and to formally accept the results of the Phase I report, calibration of the model was necessary.

Therefore, the Committee recommended that calibration occur in the form of Phase I-B before moving forward with Phase II.

The results of Phase I under a "problem free" assumption indicated that 75% of the system would fail in a 10-year rain event. Using the Phase I-B calibrated model, which more accurately represents the real world system, 84% of the system would fail in a 10-year rain event.

On February 10, 2010 the Ad-Hoc Sewer Committee voted unanimously to accept the Phase I-B report.

Phase II

On April 8, 2010 a Village Board Water and Sewer Fund Workshop was held to discuss the Phase I-B report and to review the components of Phase II. During the meeting the Village Board accepted the Phase I-B report but chose not to move forward with Phase II of the stormwater study due to budget constraints. The Village Board requested that staff revisit the possibility of moving forward with Phase II six months later.

On November 18, 2010 at a Committee of the Whole meeting the Village Board considered moving forward with Phase II of the Stormwater Management Study. The Village Board directed staff to proceed with obtaining an official Phase II cost proposal from AB&H.

On January 6, 2011 the Village Board approved an extension of an agreement with AB&H to complete Phase II of the Stormwater Management Study.

The Phase II model utilized updated topographic information, real rain scenarios, and all sewer pipe sizes. The report evaluated the use of surface storage (the use of the street to temporarily store stormwater for a designed period of time) as well as conveyance and detention methods to manage stormwater. The report concluded that in order to obtain a 10-year level of protection for the Village a combination of infrastructure projects would be needed. Utilizing only street storage the Village would increase its current level of protection during storms from a 2-3 year level of protection to a 4-5 year level of protection. This would be achieved through the use of gradual berms at each end of a block to contain water and restrictors be placed inside (underground) the sewers to control the release-rate of water into the sewer. AB&H estimated that this method of stormwater management will cost approximately \$5.6 million. This method would provide protection to 73% of the Village during a 10-year rain event.

In order to obtain protection for the remaining 27% of the Village conveyance and detention methods must be used. These methods include increasing the size of various sewer pipes, creating new stormwater outfalls and installing detention ponds. The estimated cost to implement these improvements is \$28 million.

In November 2011 a draft of the Phase II report was submitted to the Ad Hoc Sewer Committee for their review. A series of Ad Hoc Sewer Committee meetings were held between November 2011 and June 2012 to discuss the draft Phase II Report.

At the June 14, 2012 meeting the Committee voted to deem the report complete and that it should be submitted to the Village Board. The Committee further recommended that the Village move forward with Alternative 1. However, the Committee felt that approximately 15-20% of the Village land area should be completed first as a pilot program and that project #5 (new stormwater outfall at the North Shore Channel) be advanced to 30% design state so that grant funding may be applied for the project. The Committee voted 5-1 to approve the recommendations.

On August 16, 2013 the Village Board held a Water Fund Workshop to discuss the Ad Hoc Sewer Committee's recommendations. At the meeting the Village Board concluded that a meeting should be held during the spring inviting the public to comment on the stormwater study proposal.

On March 13, 2013 the Village Board held a televised meeting to gather input from the public regarding the SMP. Approximately 25 members of the public were in attendance. Several members of the public spoke in favor and against moving forward with the plan. In general the public agreed that flooding problems do exist in Lincolnwood but not everyone agreed that the plan as presented would solve the problems that exist. At the conclusion of the meeting the Village Board directed staff to work with AB&H to obtain additional information regarding how implementation of the pilot area would affect the rest of the Village.

The Village Board requested that this information be reviewed at the April 2 regularly scheduled Board meeting for a final decision regarding moving forward with the Ad Hoc Sewer Committee's recommendation. On April 2, 2013 the item was tabled due to the pending election.

Should the Village Board approve the Ad Hoc Sewer Committee's recommendation the Village Engineer will develop a request for proposal (RFP) to select a qualified engineering firm to design the pilot study improvements along with the development of design plans at the 30% completion point for a new stormwater outfall at the North Shore Channel.

FINANCIAL IMPACT:

\$190,000 is budgeted in the Fiscal Year 2013/2014 Water and Sewer Fund for engineering for stormwater management improvements.

DOCUMENTS ATTACHED:

1. Proposed Resolution
2. DRAFT Phase II Stormwater Report
3. Village Engineer's Recommendation Memorandum

RECOMMENDED MOTION:

Move to approve a Resolution authorizing the Village Manager to identify an engineering consultant qualified to design certain stormwater management improvements.

VILLAGE OF LINCOLNWOOD

RESOLUTION NO. R2013-_____

**A RESOLUTION AUTHORIZING THE VILLAGE MANAGER TO IDENTIFY
AN ENGINEERING CONSULTANT QUALIFIED TO DESIGN
CERTAIN STORMWATER MANAGEMENT IMPROVEMENTS**

WHEREAS, on March 3, 2008, the Village issued a request for qualifications for engineering consultants to develop a stormwater management plan to increase the capacity of the Village stormwater management system ("*System*") to perform during a 10-year rain event without flooding private homes ("*Capacity Goal*"); and

WHEREAS, the Village and AB&H, a Donohue Group, of Chicago, Illinois ("*AB&H*") entered into that certain Engineering Services Agreement, dated June 5, 2008, as amended and extended, for the performance by AB&H of a Phase I study of System capacity, a Phase I-B calibration of the Phase I study to assure accurate findings, and a Phase II study of the System to identify stormwater management improvements necessary to accomplish the Capacity Goal; and

WHEREAS, AB&H has completed the Phase I, Phase I-B, and Phase II studies and has prepared a Phase II report; and

WHEREAS, the Phase II report concludes that the Village must complete certain stormwater street storage improvements and stormwater conveyance and detention improvements to accomplish the Capacity Goal; and

WHEREAS, the Village Ad Hoc Sewer Committee has reviewed the Phase II report; and

WHEREAS, the Ad Hoc Sewer Committee recommends that the Village Board initiate a pilot program through which: (1) the stormwater street storage improvements shall be completed on not more than 20 percent of the Village land area; and (2) design plans for the completion of a new stormwater outfall at the North shore Channel shall be 30 percent completed to enable the Village to apply for grant funding for the completion of the stormwater outfall (collectively, "*Pilot Program Improvements*"); and

WHEREAS, to implement the Ad Hoc Sewer Committee recommendation, the Village desires to identify an engineering consultant qualified to design the Pilot Program Improvements and to assist the Village with selecting a contractor to complete the Pilot Program Improvements ("*Engineering Design Services*"); and

WHEREAS, the Village President and Board of Trustees have determined that authorizing the Village Manager to take all necessary actions to identify an engineering consultant qualified to perform the Engineering Design Services for the Pilot Program Improvements will serve and be in the best interest of the Village;

NOW, THEREFORE, BE IT RESOLVED BY THE PRESIDENT AND BOARD OF TRUSTEES OF THE VILLAGE OF LINCOLNWOOD, COOK COUNTY, ILLINOIS, as follows:

SECTION 1. RECITALS. The facts and statements contained in the preamble to this Resolution are found to be true and correct and are hereby adopted as part of this Resolution.

SECTION 2. AUTHORIZATION TO IDENTIFY QUALIFIED CONSULTANT. The President and Board of Trustees shall, and do hereby, authorize the Village Manager to take any and all actions necessary to identify an engineering consultant qualified to perform the Engineering Design Services for the Pilot Program Improvements; provided, however, that the Village Manager shall not enter into an agreement with any engineering consultant to perform the Engineering Design Services for the Pilot Program Improvements without obtaining the prior approval of the President and Board of Trustees.

SECTION 3. EFFECTIVE DATE. This Resolution shall be in full force and effect from and after its passage and approval as provided by law.

PASSED this ___ day of _____, 2013.

AYES: _____

NAYS: _____

ABSENT: _____

ABSTENTION: _____

APPROVED by me this _____ day of _____, 2013.

Gerald C. Turry, President
Village of Lincolnwood, Cook County, Illinois

ATTESTED and FILED in my office this
_____ day of _____, 20__

Beryl Herman, Village Clerk
Village of Lincolnwood, Cook County, Illinois

Village of Lincolnwood, IL

6900 N Lincoln Ave, Lincolnwood, IL 60712

FINAL DRAFT – Phase II Sewer Modeling

Village of Lincolnwood, IL
November 2, 2012

Prepared by:

AB&H, A Donohue Group

125 S. Wacker Drive Suite 1850 | Chicago, IL 60606

Phone: 312.236.9147

www.donohue-associates.com

Donohue Project No.: 11982



DRAFT – Phase II Sewer Modeling Village of Lincolnwood, IL

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EXECUTIVE SUMMARY

Phase I (Phase I and Phase I-B collectively) of this study concluded that the Village's collection system does not have adequate capacity to provide the 10-year level of protection and that under existing conditions 84% of basements are at risk for backup during a storm of this magnitude. Phase II demonstrates that a 10-year level of protection can be attained by a limited (as opposed to complete sewer separation) stormwater collection and detention system.

This study is intended as a planning level document to assist in preparing a Capital Improvement Plan (CIP). More detailed engineering is required to prepare plans and specifications before beginning construction. Therefore, to achieve the Village's desired 10-year level of protection, AB&H recommends that the Village proceed with Phase III of its Stormwater Management Program.

For this phase of the project (Phase II), AB&H enhanced and expanded the collection system model to include every pipe, manhole, catch basin, and inlet. The expansion also added the ability to simulate basement flooding, surface flows, and surface ponding. With this improved evaluation tool, AB&H was able to evaluate the level of basement flood protection provided by storing stormwater on streets, and/or conventional drainage improvement projects.

Two alternatives were evaluated for their effectiveness in reducing basement flooding. The first alternative determined the reduction in basement flooding that could be achieved by ponding stormwater on streets only. This technique attenuates, or spreads out, flows, thereby reducing peak flows and overloading of the collection system and the risk of basement backups. The total cost to implement this approach is approximately \$5,592,060. It must be emphasized that this method of stormwater management builds upon the principles of the current stormwater management system. The principle of utilizing the street for storage during a stormwater event will continue to be employed. This study utilizes a more robust engineering analysis to improve its effectiveness. The modifications recommended herein reduce the likelihood and severity of basement backups while better utilizing available street storage and reducing the frequency and severity of surface flooding.

Street storage, while unconventional, is not without precedent. It has been employed with great success in the neighboring communities of Skokie and Wilmette. Chicago has implemented a similar program called "Rain Blocker". Cleveland, OH and Parma, OH are other examples of communities that use street storage to reduce basement backups. Most residents in these neighborhoods would agree that seeing water in the street is preferable to seeing it in their basements. While the number of homes at risk during a 10-year storm was greatly reduced under the street storage alternative, it did not meet the desired objective of providing the 10-year level of protection for all of Lincolnwood. The second alternative identified the infrastructure improvements that are required to provide the desired level of protection for the entire village.

While storing stormwater on streets is not typical and might be perceived as an inconvenience, the total cost of (\$5,592,060), is a cost-effective means of reducing basement flooding. However gaining public support of such a program will require an ambitious public education and outreach effort.

Street storage will provide protection to 73% of the properties within the Village during a 10-year storm. The estimated cost to do this is \$5,592,060. It is important to not however that all homeowners will benefit from street storage because it reduces the burden on the combined system that all residents rely upon. While 27% of the Village would remain at risk during a 10-year storm, the risk of flooding in these areas for storms less than the 10-year event will be reduced and the severity of flooding for all events will also be reduced.

Providing the 10-year level-of-protection for the remaining 27% of the Village will require investing in stormwater conveyance and detention projects. The additional cost to protect these remaining areas is approximately \$28,039,156.

CHAPTER I – INTRODUCTION

1.1 G LOSSARY

At-risk: There is a possibility of flooding during storms exceeding a particular magnitude.

Berms: A gently sloping section of asphalt or concrete intended to contain or direct stormwater on a street.

Catch Basin: A storm inlet/drain containing a sump to trap debris before it enters the sewer system.

Combined Sewer System: A type of sewer system that collects sanitary sewage and stormwater runoff in a single pipe system.

Detention System: Temporary storage system for stormwater intended to detain storm runoff and release it back into the combined sewer system at a controlled rate.

Flood Protection: Any of several methods of preventing combined sewage from backing up into homes. Examples include: standpipes, overhead plumbing, and check valves.

Inlet: Similar to a catch basin, but lacking a sump.

Inlet Restrictor: A mechanism used to control the flow of stormwater into a combined sewer pipe in order to reduce overload on the combined sewer pipe.

In-line Storage: Storage/conveyance of sewage within a buried pipe.

Level-of-Protection: Similar to level-of-service, it is the frequency or likelihood that the collection system serving a property is unable to do so, with a backup likely to occur.

10-Year Storm: A rainfall event with a 10% statistical probability of occurring in any given year.

Street Storage or Surface Ponding: A method of reducing basement backups by utilizing the street to briefly store stormwater and release it into the combined sewer system at a rate that does not exceed sewer capacity.

Time of Concentration: The time needed for water to flow from the most remote point in a watershed to the watershed outlet.

1.2 S TORMWATER MANAGEMENT HISTORY

1.2.1 C OLLECTION SYSTEM

The Village of Lincolnwood is served by a combined sewer system. During dry weather this system conveys sanitary sewage to the Metropolitan Water Reclamation District of Greater Chicago's (MWRD) interceptor near McCormick Blvd. MWRD conveys the sewage to its North Side Water Reclamation Plant on Howard St for treatment before discharging it to the North Shore Channel. Figure 1 depicts graphically how wastewater is collected and treated from both combined and separated systems.

During rainfall events, storm runoff drains into the combined sewer system. The mixture of sewage and runoff is conveyed to the MWRD. For small rainfall events, all the flow is treated. For modest events, flow in

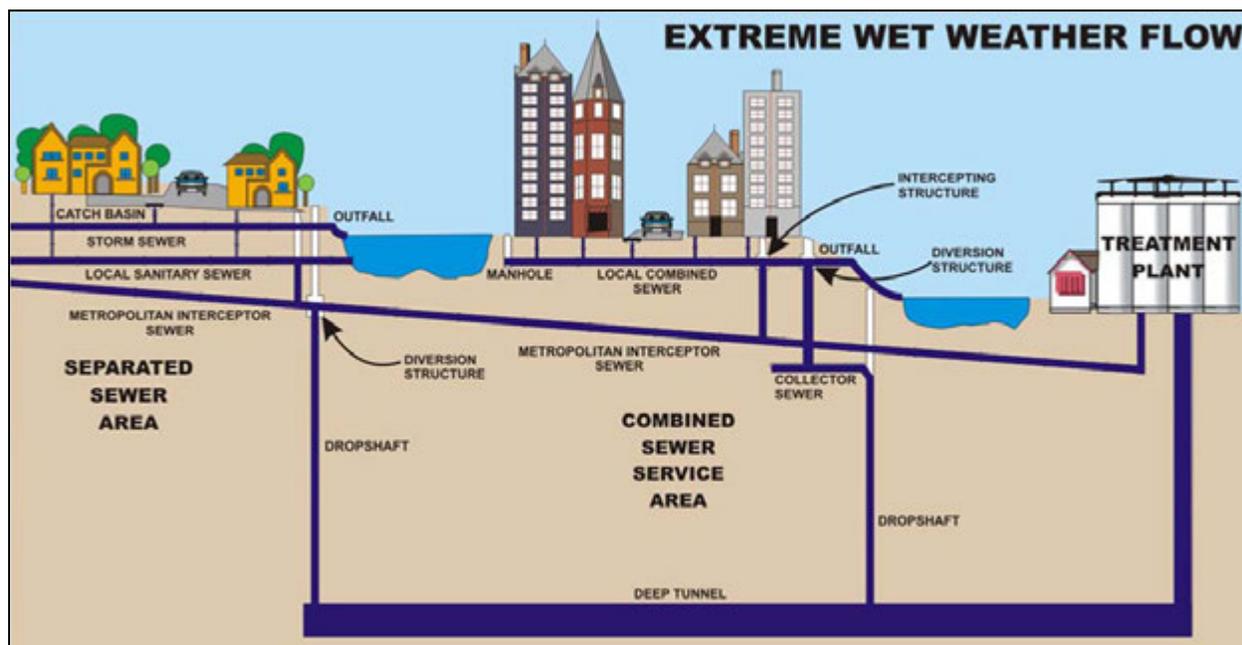


Figure 3 – Collection System Operation (Extreme Wet Weather)

All sewers have a limited conveyance capacity and carry the risk that a storm could occur that produces flows surpassing system capacity. When this capacity is exceeded, sewers can “surcharge”, with water backing up into manholes and pressurizing the system. In particularly large events, those likely to occur only once every 2-3 years, Lincolnwood’s sewers can surcharge to the point that combined sewage begins to back up into basements.

1.2.2 STORMWATER HISTORY

The Village of Lincolnwood has a history of significant storms dating back to 1956 which have caused flooding problems throughout the Village. In 1986, in response to flooding issues the Village initiated an inlet restrictor program to control the rate that stormwater runoff enters the combined sewer system. These restrictors initially consisted of concrete “blocks” placed in catch basin outlet pipes. These restrictors proved to be a maintenance problem because the reduced outlet opening size was prone to clogging. Therefore, the concrete restrictors were removed and the Village began replacing them with steel restrictor plates that cover inlet and catch basin openings, thereby significantly reducing their opening areas. The Village has 2,994 inlets and catch basins, of which 1,350 (45%) are restricted.

In 1977 the Village created an Ordinance that requires all downspouts, rainwater leaders, cisterns and overflows to be disconnected from the Village’s combined sewer system. This Ordinance was created to reduce the impact on the Village’s sewer system and to encourage the runoff to enter pervious land.

On August 2, 2001 a 25-year rain event occurred which caused Village wide flooding and prompted the Village to survey all residents regarding the type of flood control devices that they may or may not have installed in their homes. In addition, at that time the Village Engineer estimated that the Village’s system had the capacity to handle a 2-3 year rain event or 1.7 inches of stormwater in a 2hour period.

In 2004, the Village adopted a Stormwater Management Ordinance that requires new developments to control water on-site. The Ordinance includes bulk regulations that limit the size of structures and the amount of impervious surface on a lot.

The Village also received a grant in which 164 homeowners were provided grant funding to install flood control devices within their homes. The Village also constructed a new road in the Business Park (Northeast Parkway) which removed a large portion of the businesses from the combined sewer system. Throughout 2007 Village staff and the Village Board discussed the possibility of undertaking a comprehensive Stormwater Management Plan (SMP). Village staff recommended that the Board support the goal of developing a SMP that would result in the Village's storm sewers being capable of handling a 10-year rainfall event without discharging into homes, and that this protection would be achieved within 10 years.

There are no required standards that dictate an appropriate "level-of-protection" (LOP) for combined sewers. Most of the sewers in Lincolnwood were constructed during a population boom in the 1950's and predate current standards. Therefore the appropriate LOP is discretionary, and communities served by combined sewers may select an LOP that they feel is appropriate and/or affordable. The Village Board has selected the 10-year LOP, which is consistent with communities in the Chicagoland area and is generally considered a reasonable goal.

In 2010 the Village created a sewer user fee to aid in paying for maintenance of the Village's combined sewer system as well as to make improvements to the Village's stormwater management system.

1.3 S TORMWATER MODELING PROJECT STRATEGY

On August 21, 2007, the Village Board directed Village staff to move forward with a SMP, with the first step being to secure the services of Mr. Robert Carr, of Water Resource Modeling, LLC (WRM), to assist the Village with securing an engineering consultant to construct a stormwater model.

Subsequently, a Request for Qualifications (RFQ) was developed by Mr. Carr and Village Staff to identify firms to complete the project. The RFQ specified the following three project phases:

- **Phase I** – Preparation of an un-calibrated model to be run under various rain scenarios. Determination if combined sewer system can convey a 10-year storm without system backups.
- **Phase II** – Identify combined sewer system bottlenecks through model calibration. Identify improvements to bring the system to a 10-year capacity.
- **Phase III** – Design of improvements and oversight of implementation.

Five firms responded to the RFQ. Mr. Carr and Village staff narrowed the list to three and Village staff, along with Mr. Carr, interviewed the top three candidates. On May 7, 2008 the Ad-Hoc Sewer Committee made a recommendation to engage AB&H, A Donohue Group (AB&H) to complete the project. On June 5, 2008 the Village Board approved a recommendation by the Ad-Hoc Sewer Committee to adopt a Resolution to authorize the Village Manager to execute a contract with AB&H to complete Phase I of the stormwater study. On January 7, 2011, the Village authorized a contract amendment for AB&H to complete the second phase of this project.

1.3.1 P HASE I

On March 5, 2009 at a Committee of the Whole meeting, a draft Phase I report presentation was made to the Board by AB&H and Mr. Carr per the recommendation of the Ad Hoc Sewer Committee made on February 23, 2009.

The draft Phase I report (AB&H, 2009) concluded that the Village's sewer system could not handle a 10-year rain event. This conclusion was based on the assumption that the Village's sewer system is currently in perfect working order and free from blockages or flow issues.

Using this model, it was estimated that 75% of the service area would likely experience basement backups during a 10-year storm. The Village's current strategy of stormwater management employs surface restrictors without containment. The Phase I model predicted that if this approach were fully implemented, the percentage of the service area subjected to basement backups during a 10-year storm would be reduced to 605%.

1.3.2 P HASE I-B

Per the original Stormwater Study specifications, if the system failed during Phase I, the study would move to Phase II. Phase II was intended to identify system bottlenecks as well as identify potential improvements to bring the sewer system to a 10-year capacity. The Village initially decided to complete the Phase I analysis with an un-calibrated model.

However, the Ad-Hoc Sewer Committee felt that to ensure that the model's results in Phase I were accurate and to formally accept the results of the Phase I report, calibration of the model was necessary. Fine-tuning model parameters in a manner that provides a better correlation between measured and simulated flows for actual rainfall events was then completed. This effort improved model accuracy and increased the confidence of model predictions. The committee recommended that the following items take place under Phase I-B before moving forward with Phase II:

- Revise the draft Phase I report to address the comments of the committee;
- Support the Village's decision to televise the Village's sewers;
- Seek a bid for flow monitoring;
- Purchase weather monitoring stations;
- Hold a meeting of the Ad-Hoc Sewer Committee to discuss public education and the basis of a failure analysis;
- Calibrate the model with data from sewer televising and flow monitoring; and
- Present an updated Phase I report to the Village Board.

Upon receiving the Ad Hoc Sewer Committee's recommendation at the March 5, 2009 Committee of the Whole meeting, the Board directed staff to move forward with a competitive bid process to obtain proposals for the projects associated with Phase I-B.

Phase I-B consisted of calibrating the Village's Phase I stormwater model utilizing measured rainfall, flow, and water levels to calibrate the model, and update subsequent system capacity analyses. Prior to completion of Phase I-B, the Village cleaned and televised the entire sewer system and collected three months' of flow monitoring and rainfall data.

The calibrated Phase I-B model predicted that during a 10-year storm, 84% of the service area would be at-risk for basement flooding under existing conditions. With all permitted restrictors in place, 79% of the service area would likely be at-risk for basement flooding (AB&H, 2010). Therefore, Lincolnwood decided to proceed with Phase II of this project.

1.3.3 PHASES II & III

This report documents the execution of Phase II of this project. Phase III, detailed design, has yet to be initiated.

CHAPTER II – ALTERNATIVE ANALYSIS

The Village’s stated objective is to provide a 10-year level of protection from basement flooding for all of Lincolnwood. Two alternatives were considered for their effectiveness in meeting this goal.

The objective of Alternative 1 was to determine the maximum level of protection that could be achieved by street storage as the sole means of stormwater management. While not fundamentally different from the Village’s current strategy, it did include the following modifications to the manner in which it is implemented:

- Replace surface restrictors with submerged restrictors
- Construct “berms” to contain stormwater to those streets conducive to doing so
- Meet the surface ponding criteria specified in Section 2.4.1.2

If Alternative 1 is unable to provide the 10-year level of protection for all of Lincolnwood, Alternative 2 is intended to identify additional infrastructure improvements that will meet the Village’s stated goal of no basement flooding during the 10-year storm.

Before alternative analysis could begin, the model was updated, and the current level of protection reassessed.

2.1 ASSUMPTIONS & LIMITATIONS

- The model is sufficiently detailed for planning level analyses and preliminary design. Therefore while the model makes predictions regarding which areas are at risk for particular events, these predictions are imprecise and are intended only for developing broad system modifications.
- All rain falls uniformly over the service area.
- All pipes are clean and in good condition (are able to convey their design capacities).
- All homes have basement floors 6 feet below street grade with the exception of;
- Homes adjacent to shallow sewers have half basements 3 feet below street grade.
- Basement footprints are equal to building footprints.
- No homes have basement flood protection.
- The MWRD interceptor is not surcharged into Lincolnwood’s sewers.
- The SCS Type II 24-hour rainfall distribution was used for all design storms.
- All restrictors will be of the hanging trap variety or a type with similar hydraulic characteristics.
- All hanging trip orifices had a 2-inch diameter.
- All of the proposed inlet restrictors were presumed to be flowing freely.
- Average home price in the Towers neighborhood of \$700,000 per home.
- Capital cost estimates do not include land acquisition.
- Subcatchments were presumed to be homogeneous.
- All homes were presumed to discharge their downspouts onto their lawns.

2.2 PHASE II MODEL UPDATE SUMMARY

The model developed for the Phase I analysis was overhauled to enable it to perform the detailed analysis required for Phase II. Overhaul steps included:

1. Increase sewer network detail – The model developed for Phase I only included larger diameter sewers, generally those 18 inches and larger. For Phase II, the model was updated to include every pipe and manhole.
2. Inlets & catch basins – Every inlet and catch basin is represented in the Phase II hydraulic model.
3. Basement “flooding” – When sewage backs up into basements, it impacts the hydraulics of the system. The model was enhanced to simulate this phenomenon.
4. Hydrologic model – Using rainfall as input, the hydrologic model predicts storm runoff entering the hydraulic model of the sewer network. The detail of the hydrologic model was increased to match the increased detail of the hydraulic model.
5. 2-Dimensional Surface Model – To accurately simulate flow and storage in the streets, a two-dimensional representation of Lincolnwood’s topography was added to the model. This enabled engineers to predict both overland and sewer flows and the interaction thereof in a single dynamic model.

2.3 10-Y EAR EXISTING CONDITIONS (NO CHANGES TO CURRENT SYSTEM)

Figure 4 indicates those areas that were found to be at risk for basement backups during a 10-year storm using the Phase I model (Phase I & I-B collectively). This analysis estimated that 84% of Lincolnwood, approximately 3,800 homes would be at risk for flooding during the 10-year event. Using the more detailed Phase II model, we can now say that 67% of the homes in Lincolnwood would be at risk during a 10-year rain event (Figure 5) with the existing system configuration.

There are several reasons for the reduction from 84% to 67%. The Phase I (Phase I & IB collectively) model was developed as a skeletal model (larger sewers only), and was primarily intended to determine whether or not the system is able to provide the 10-year level of protection. The collective results of Phase I and Phase I-B concluded that 84% of the system could not handle a 10 year rain event. However the Phase I model did not include every pipe and manhole, and it did not replicate the effect basement flooding has on system hydraulics. As such, in order to obtain a precise evaluation of the number of homes at risk, Phase II was necessary, and provides a more accurate estimate of the number of homes at risk.

The Phase II model provides a high level of precision regarding the number of homes at risk for flooding due to the fact that it includes every pipe and manhole as well as simulates the effect of basement flooding on the system hydraulics. However, there are still limitations (Section 5.1.5), and it is beyond the scope of this model to give a precise value as to the number of homes that would actually flood during a given rainfall event.

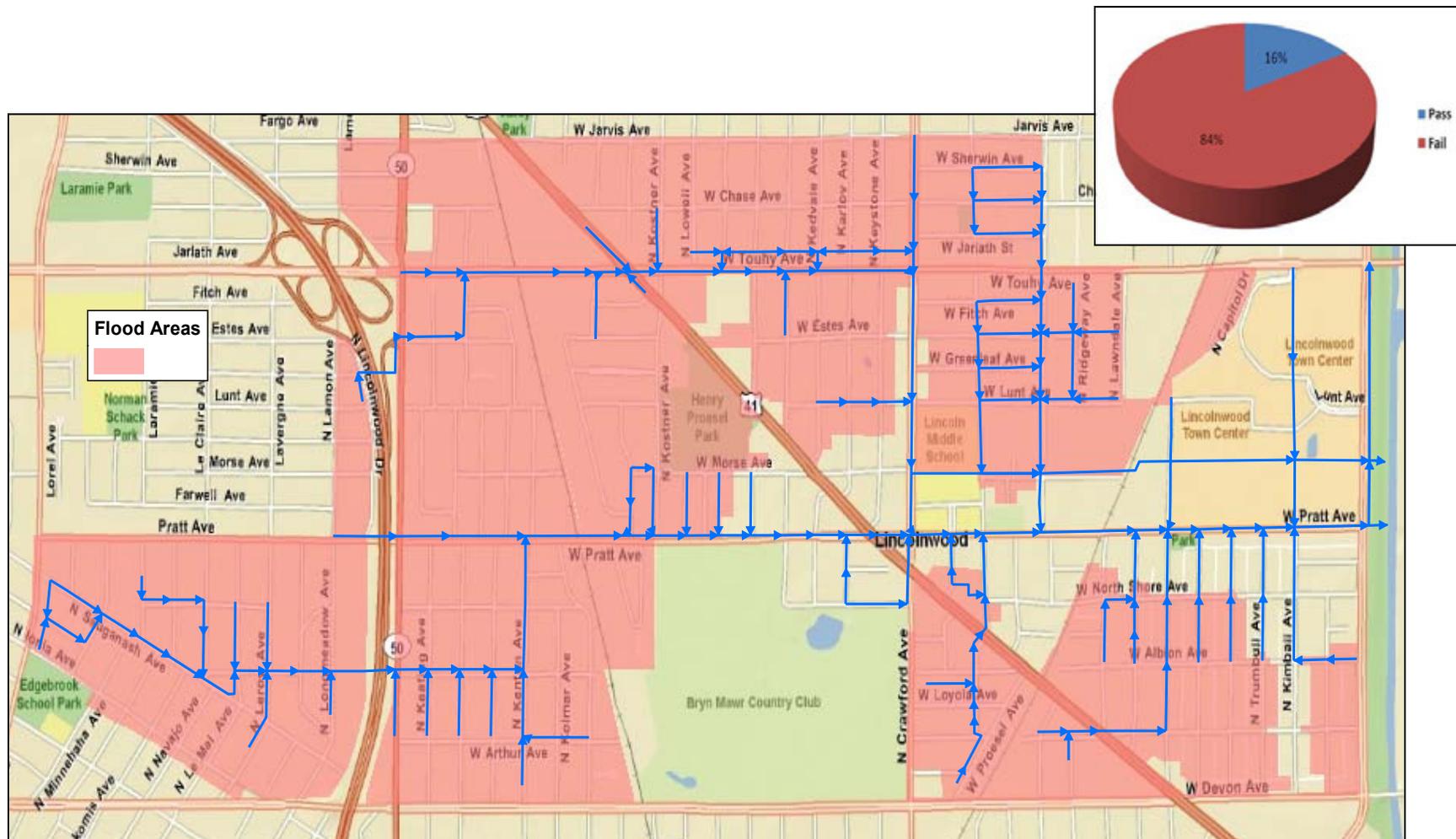


Figure 4 – Extent of Flooding, 10-Year Existing Condition, Phase I Model

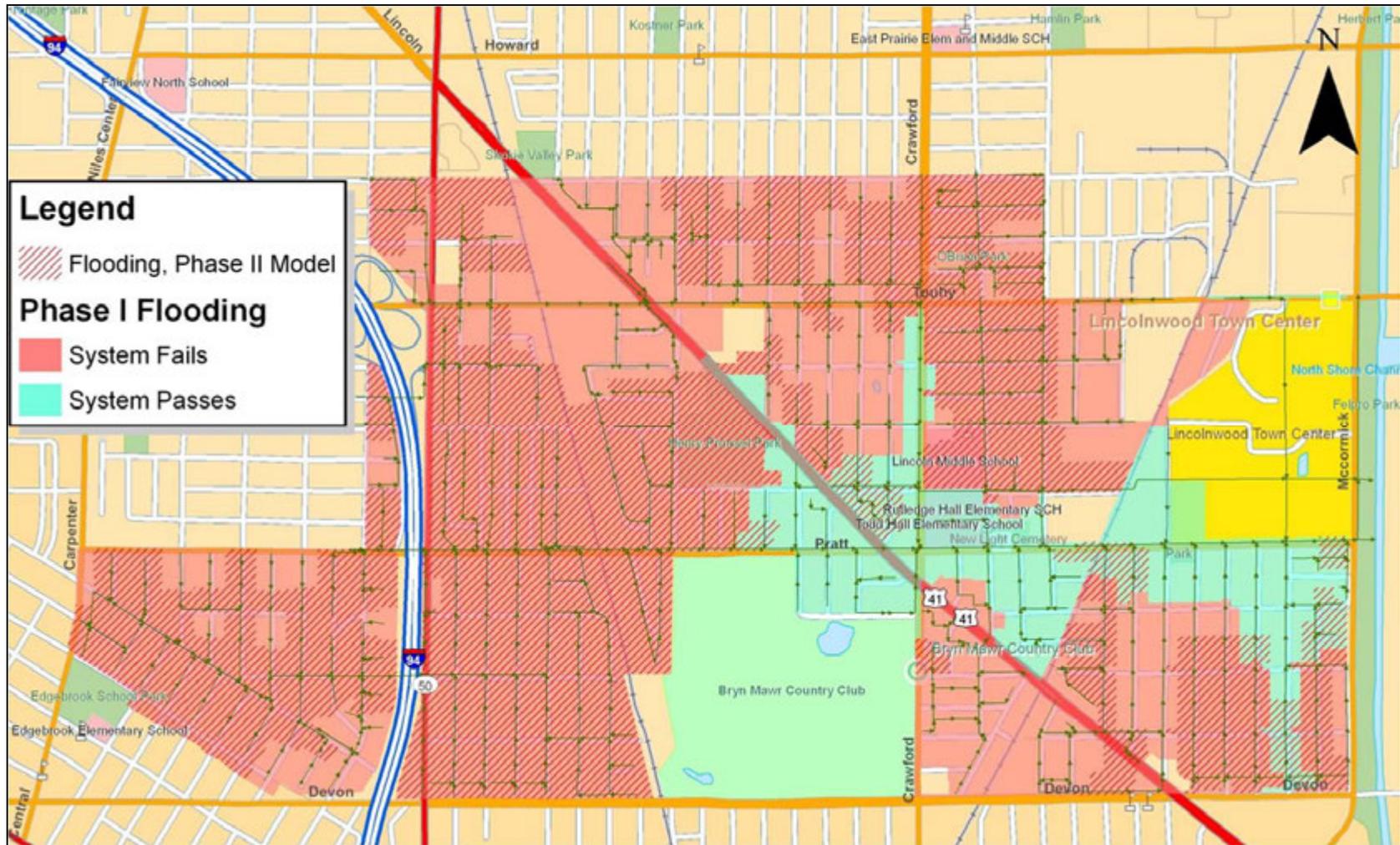


Figure 5 – Extent of Basement Flooding, Phase II Model, 10-Year Existing Conditions

2.4 ALTERNATIVE 1 – SURFACE STORAGE

The objective of the first alternative was to determine the extent to which Lincolnwood could reduce basement flooding, if surface storage were the only method of stormwater management.

2.4.1 PROPOSED SYSTEM MODIFICATIONS

2.4.1.1 State/County Roads

The Village is prohibited from using any of the following six State / County roads which pass through Lincolnwood for storing stormwater: Crawford Ave, Touhy Ave, McCormick Ave, Lincoln Ave, Cicero Ave, and Devon Ave. The inlets along these roads were not restricted as part of this analysis.

2.4.1.2 Surface Storage Criteria

The Village specified the following surface storage criteria:

- Use of sub-surface inlet restrictors
- Minimum restrictor opening size: 2 inches
- Max ponding depth at residential road center line: 6 inches
- Max ponding depth at commercial road center line: 3 inches
- Max ponding depth at residential road gutter: 9 inches
- Max ponding depth at commercial road gutter: 6 inches
- Max ponding width for residential road: Back of sidewalk
- Max ponding width for commercial road: Top of curb
- Max ponding duration (after rain stops) for residential roads: 120 minutes
- Max Ponding duration (after rain stops) for commercial roads: 60 minutes

2.4.1.3 Inlet Restrictors

Inlet restrictors reduce and control the rate at which stormwater drains from the streets into the combined sewer system. Previous attempts to restrict runoff have included inserting concrete blocks into the outlet tiles from catch basins and inlets, however these were prone to clogging and required frequent cleaning.

The Village has since removed the concrete blocks, and has adopted a program of installing plates on the surface of the inlets and catch basins. These are also prone to clogging, but are much easier to clean. However, the hydraulics of these devices makes it difficult to control their discharge rates. A relatively minor increase in the depth of water on a surface restrictor will greatly increase its discharge rate, reducing its effectiveness in exploiting available surface storage.

Two restrictor designs were given consideration, shear gate restrictors similar to those preferred by Wilmette, and hanging traps similar to those used in Skokie. Shear gates are simple devices where catch basin tiles discharge into a combined sewer manhole. By re-routing all inlets and catch basins in an intersection through a single catch basin before discharging into a manhole, the total number of flow restrictors can be reduced and their sizes increased, providing the same hydraulic characteristics as the hanging trap devices while reducing the likelihood of clogging and the frequency of cleaning.

Hanging traps consist of a short length of PVC and an elbow inserted into the outlet tile from catch basins and inlets. The elbow points downward and has an orifice on the end of it to control the flow. These are upflow devices so as to reduce the likelihood of clogging with floatable debris; however clogging remains a

major concern. The Village is currently field testing ten of these devices fitted with filters intended to further reduce the likelihood of clogging.

The Village can save approximately \$6M in construction costs by using hanging traps rather than shear gates. Therefore program cost estimates will presume the use of hanging traps.

2.4.1.4 Containment Berms

Containment berms are essential to manage storing stormwater in streets. They are devices placed across roadways, intended to control where stormwater is stored on the surface and to what depth. These are typically asphalt berms that resemble wide “speed bumps”. They are typically wide enough such that approaching vehicles need not slow significantly to pass over them. These cannot be placed across State / County roads.

The Village’s current approach to stormwater management does not employ the use of berms. Without these, surface flows cannot be effectively contained. It will either collect in topographic depressions, which risks localized surface flooding, or migrate to the next unrestricted inlet where it quickly drains back into and overloads the combined sewer system.

2.4.2 P HASE II MODEL RESULTS – SURFACE STORAGE ONLY

2.4.2.1 10-Year Storm

Figure 7 indicates the extent of surface ponding and the buildings that remain at risk for basement backups during the 10-year storm. Surface storage will provide 10-year basement flood protection for approximately 1,700 homes currently at risk.

While the model results indicate 100 homes are at risk for surface flooding, upon closer inspection of the results, many of these were homes with tuck-under garages. These could be protected from flooding by re-grading the driveway. Some were also due to suspect topographic data. (See Section 5.1.5.) Assurance that these homes are not at risk for flooding is a design detail that will be addressed during Phase III of this project.

2.4.2.2 25-Year Storm

Figure 8 indicates the extent of surface ponding and the buildings that remain at risk for basement backups during the 25-year storm. Approximately 1,800 homes remain at risk during a storm of this magnitude.

2.4.3 L LEVEL OF PROTECTION

The current system can provide a 2-3 year level of protection. Storms of this magnitude present a risk of minor isolated basement flooding, whereas during the 10-year storm flooding is likely to be widespread with about 3,000 homes (Phase II results) at risk for basement backup under the current system. Some of these are likely to be severe with over 12 inches of water in some basements.

By utilizing surface storage, protection can be gained from basement flooding for approximately 1,700 of the 3,000 homes currently at risk during a 10-year storm. Table 1 summarizes the number of homes at risk under alternative 1 for a range of events. While the level of protection for all of Lincolnwood has been increased from 2-3 years to 4-5 years, it is important to note that there is a 55% reduction in the number of homes at risk for flooding during a 10-year storm (Figure 6). So while Alternative 1 creates a slight decrease in the

frequency of basement backups, it provides a significant reduction in the widespread severity of basement flooding.

Table 1 – Level of Protection, Alternative 1

Storm Frequency (Years)	Percentage of Area Protected
1	100%
2	100%
5	85%
10	73%
25	62%

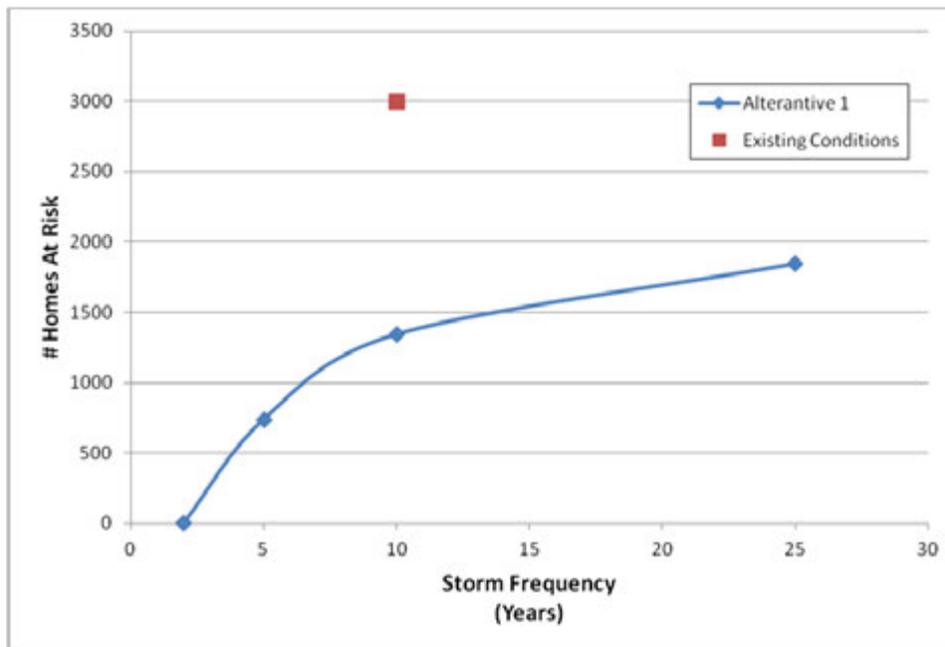


Figure 6 – Flood Risk, Alternative 1

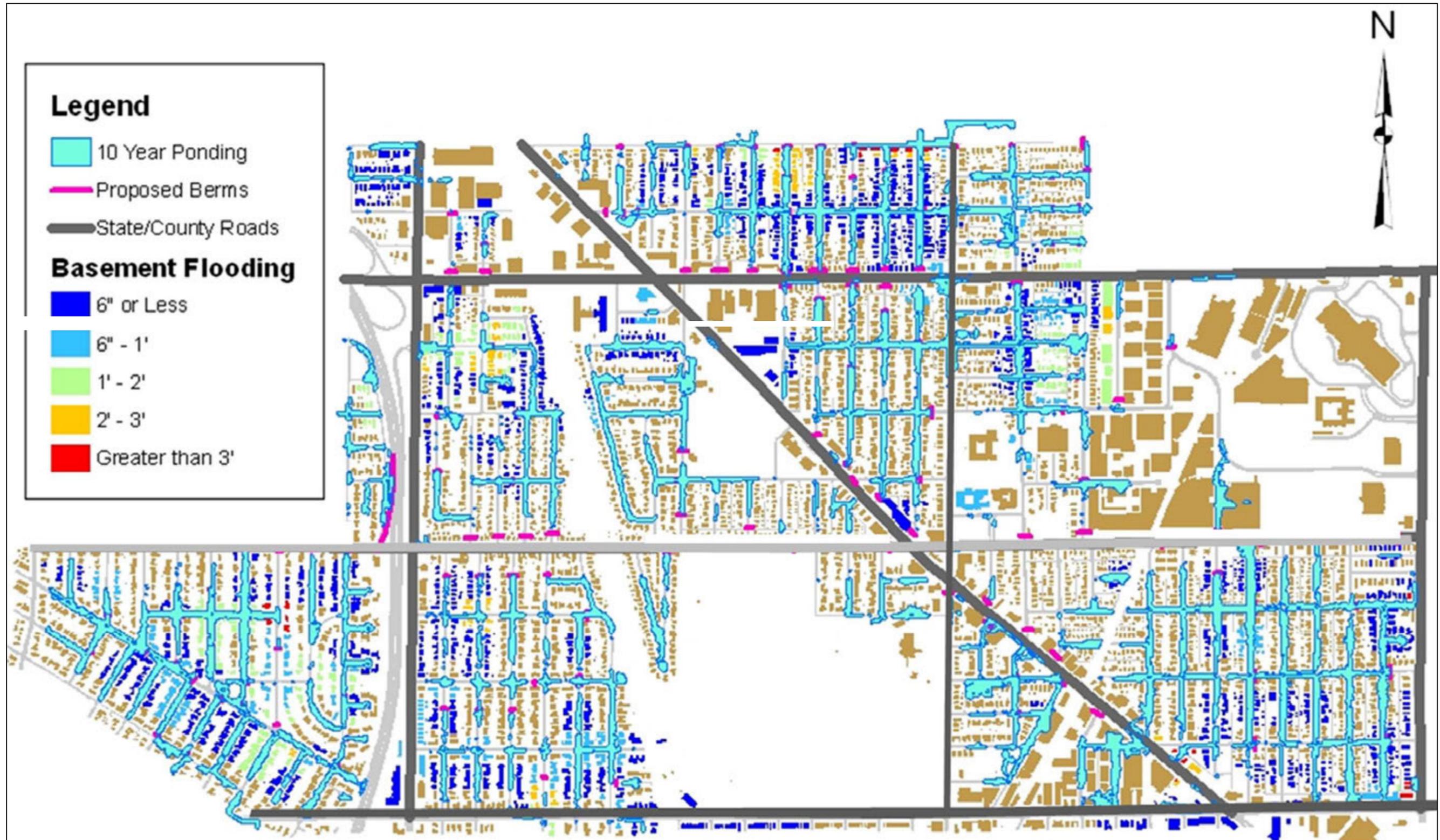


Figure 7 – Phase II Model Results, Alternative 1, 10-Year Storm

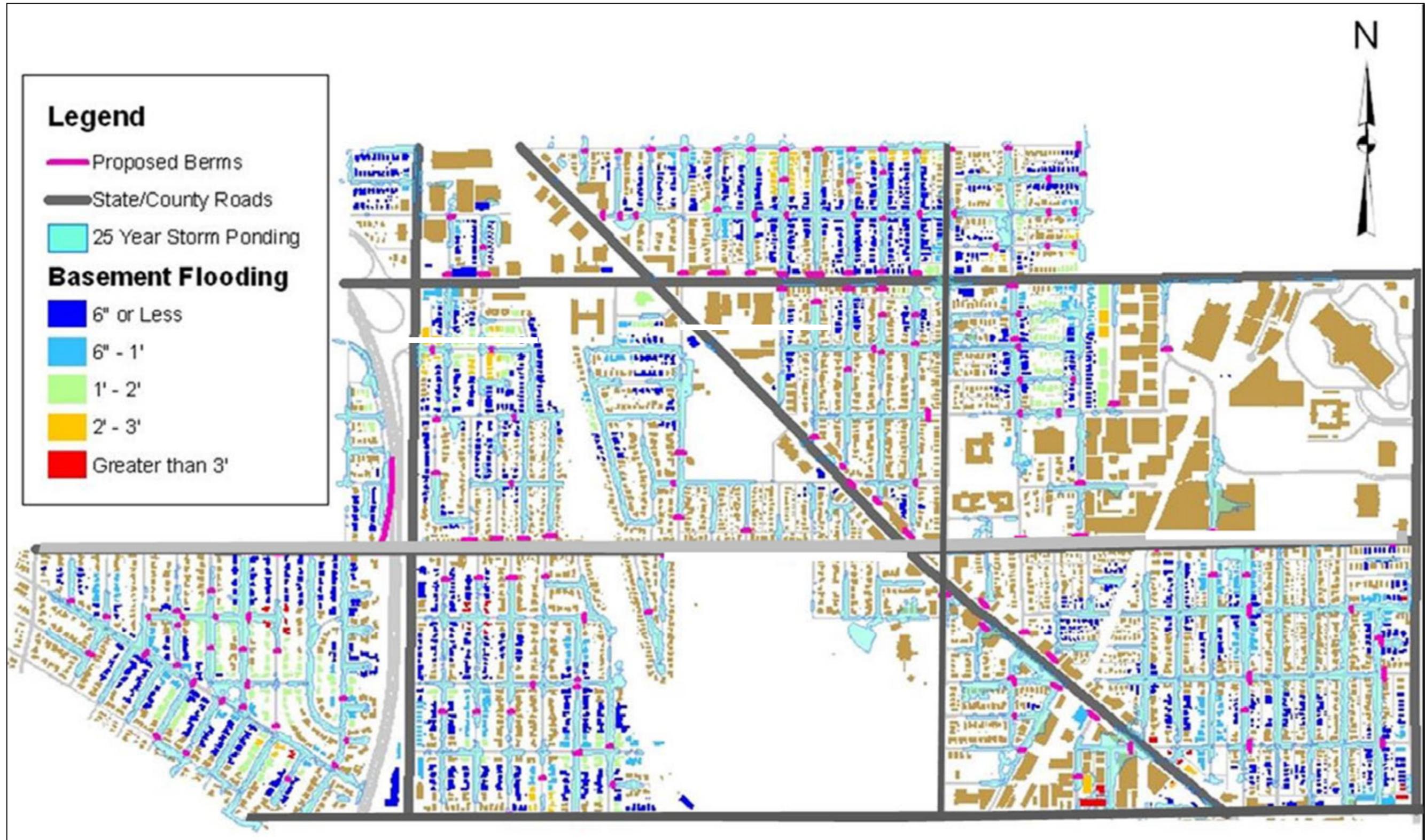


Figure 8 – Phase II Model Results, Alternative 1, 25-Year Storm

2.5 ALTERNATIVE 2 – NEW INFRASTRUCTURE

Surface storage fails to provide the 10-year level of protection for approximately 1,300 out of 3,000 homes currently at risk during a 10-year storm. Alternative 2 evaluated conventional infrastructure improvement alternatives that would provide the 10-year level of service for the entire Village. Methods given consideration include: stormwater detention, stormwater conveyance, and in-line storage.

2.5.1 PROPOSED SYSTEM IMPROVEMENTS

Figure 9 indicates those system improvements that will provide the 10-year level of protection for virtually all of Lincolnwood. Specific projects include:

- Project #1 – The following three alternatives were given consideration to provide flood protection in The Towers neighborhood:
 - Project #1.1 – Detention pond in Polatan Park
 - Project #1.2 – In-line storage. Locations TBD.
 - Project #1.3 – Surface detention via detention storage
- Project #2 – 2,600 feet of 8 inch to 36 inch storm sewer and North ComEd detention facility;
- Project #3 – 3,350 feet of 15 inch to 48 inch storm sewer and South ComEd detention facility;
- Project #4 – 3,020 feet of 36 inch storm sewer;
- Project #5 – 2,000 feet of 18 inch to 60 inch storm sewer to South North Shore Channel Outlet;
- Project #6 – 1,860 feet of 21 inch to 36 inch storm sewer and Central ComEd detention facility;
- Project #7 – Upsize 750-foot section of existing combined sewer to 24 inch to 36 inch sewer (this project has been eliminated by extending Project #2 to west of Cicero);
- Project #8 – Upsize 1,000-foot section of combined sewer to 60 inch – 72 inch sewer;
- Project #9 – Three alternatives were given consideration as follows:
 - Project #9.1 – 11,400 feet of 24 inch to 60 inch storm sewer to North (Touhy) North Shore Channel Outlet.
 - Project #9.2 – Rather than construct a new storm sewer along Touhy to the North Shore Channel, direct storm runoff to in-line storage via twin 96 inch storm sewers under the abandoned Union Pacific ROW.
 - Project #9.3 – Rather than construct a new storm sewer along Touhy to the North Shore Channel, direct storm runoff to a detention pond along the abandoned Union Pacific ROW.

Several of these are discussed in more detail in the remainder of this section.

2.5.1.1 Towers Neighborhood Detention (Project #1)

Providing the 10-year level of protection to the Towers neighborhood is difficult because the sewers are shallow, so only a minor amount of sewer surcharging risks basement backups. In addition, while a significant volume of runoff will have to be stored here, there is little open space for detention ponds. To provide the 10-year level of protection, Lincolnwood must store approximately 3.84 acre-ft (1.25 MG) of stormwater west of the Edens. There are three options currently available, a 2.5 acre-feet detention pond in Polatan Park, in-line storage via oversized sewers, or approximately 4 acre-ft of detention dispersed over 8 properties currently for sale or in foreclosure. The unit costs of these three alternatives are summarized in Table 2. Any

combination of these alternatives that provides a minimum of 3.84 acre-feet of detention would provide the 10-year level of protection. The remainder of this section explains these alternatives in more detail. The minimum total cost utilizing Polatan Park and removal of three homes and detention storage is about \$6.25M.

Table 2 – Towers Detention Storage Alternatives

Alternative	Maximum Detention Storage (acre-ft)	Maximum Cost (\$ x million)	\$ / Gallon
Polatan Park Detention Pond	2.73	\$3.91	\$4.40
Home Removal & Detention ¹	4.00	\$6.26	\$4.80
In-Line Storage	3.84	\$8.01	\$6.40

1. Presumes average home sale price of \$700,000.

2.5.1.1.1 Detention Pond In Polatan Park (Project #1.1)

Detention storage in Polatan Park is the most cost-effective option, presuming an agreement can be reached with neighboring Skokie. But, only 2.73 acre-feet of stormwater can be detained in the park and the connecting sewer, leaving approximately 1.34 acre-ft of stormwater needing to be stored via the remaining methods. Conveying stormwater from the Towers to Polatan Park would require a significant amount of sewer construction. The total volume of the pond would be approximately 3.51 acre-feet, but with about 2.5 feet of freeboard, only 2.48 acre-feet would actually be stored there. The pond would have a total depth of about 8.5 feet. The approximate layout of this pond is shown in Figure 13.

The total cost of the sewer and pond is approximately \$3.91M. This project would provide 2.73 acre-ft (0.89 MG) of storage (\$4.40/gallon).

2.5.1.1.2 Towers In-Line Storage (Project #1.2)

Due to the lack of open space, this must be done under streets via in-line storage at a cost of about \$6.40/gallon (including 40% contingency and 15% engineering). Storing all 3.84 acre-feet using this method would cost approximately \$8M. The optimal sizing and placement of storage would be determined during Phase III.

2.5.1.1.3 Detention Storage (Project #1.3)

There are eight properties currently for sale or in foreclosure (Figure 10) that the Village could purchase and use for detention. In general, the detention ponds are adjacent to areas with excessive ponding thereby allowing stormwater to spill into them directly from the street. However some minor sewer construction will be required to convey stormwater from some flood prone areas.

Each of the eight homes that might be torn down for storage could provide an average of 0.6 acre-feet of detention. Therefore, each home that can be acquired for less than \$1.3M has a good potential to provide detention at a lower cost than an equal amount of in-line storage.

The eight properties indicated in Figure 10 are currently in foreclosure or for sale. These eight properties could provide a total of approximately 4 acre-feet of detention, sufficient to provide the 10-year level of protection without any detention in Polatan Park or via in-line storage. Assuming a fair-market-value (FMV) of \$700,000 per home and \$0.50/gal for detention construction, the total cost of this alternative is approximately \$6.25M (\$4.80/gallon). The Village might be able to purchase the homes in foreclosure for significantly less than FMV.

2.5.1.2 Jarvis Sewer (Project #4)

For a 90-acre area in Lincolnwood bounded roughly by Lincoln Ave on the west, Crawford Ave on the east, Touhy Ave on the south, and Jarvis Ave on the north, there is insufficient street storage to detain all the excess runoff during a 10-year storm. About 0.70 million gallons (MG) of water overtops the stormwater containment berms proposed along the border with Skokie and flows onto Jarvis. This excess runoff must be captured.

Two alternatives were considered for capturing this excess storm runoff. The first option, described in detail in Section 5.4.1, would store this excess volume under Jarvis Avenue in twin box culverts (large rectangular sewers). The stored water would discharge into the new Crawford storm sewer being constructed by Cook County. This sewer would take the storm flow from Crawford and Jarvis north where it would discharge into Skokie's storm system at Howard Ave. A flow regulator will control the rate at which stormwater is discharged into Skokie's sewer system.

There is also an area east of Crawford, bounded by Jarvis, Touhy, Crawford, and Hamlin, that is particularly flood prone. The ground slopes steeply east of Crawford, making it impossible to direct excess storm runoff from this area to the intersection of Jarvis and Crawford. On the other hand, the Jarvis sewer could be connected to Project #9 via a overflow structure at Crawford and Jarvis. Project #9 would also provide flood relief to the areas east of Crawford. In addition, since this is a conveyance rather than a storage alternative, the Jarvis sewer west of Crawford could be reduced from twin box culverts to a single 36-inch reinforced concrete pipe (RCP).

2.5.1.3 Storm Outlet to North Shore Channel (Projects #5)

The proposed improvement, labeled Project #5 in the map on Figure 9, would provide immediate flood relief to the southeastern highlighted area in Figure 9. In addition, by removing a significant amount of storm runoff that currently drains into the 84-inch trunk line along Pratt Ave, it would free up capacity in this line. Since much of Lincolnwood's combined sewerage must pass through the Pratt sewer, diverting storm flow from it provides a system-wide benefit, particularly to the more upstream reaches of the collection system.

2.5.1.4 Project #9

This project is intended to convey overflow from the diversion structure at Crawford and Jarvis, and to provide flood relief to the highlighted area bounded roughly by Jarvis to the north, Pratt to the south, Crawford to the west, and Hamlin to the east. Three alternatives (cost estimate below) were given consideration as described in the remainder of this section.

Table 3 – Project #9 Opinions of Probable Costs

Alternative	Description	Opinion of Probable Cost (\$ x million)
9.3	Abandoned Union Pacific ROW Detention Storage	\$9.4
9.1	Touhy North Shore Channel Outlet	\$11.5
9.2	Abandoned Union Pacific ROW In-Line Storage	\$16.4

2.5.1.4.1 Touhy North Shore Channel Outlet (Project #9.1)

This sewer would originate at the intersection of Crawford and Jarvis. To maximize utilization of the in-line storage the proposed Crawford sewer is intended to provide, a regulator chamber with an overflow weir should be installed. A weir is essentially a wall that directs the flow north until the water level in the chamber rises to the point that it overtops the wall, at which point the flow overtopping the wall is directed east. This chamber would direct flow north along Crawford into Skokie until the water begins to overtop the weir, at which point it would begin to discharge into the new North Shore Channel Outlet. This alternative would cost approximately \$11.5M.

2.5.1.4.2 Abandoned Union Pacific ROW In-Line Storage (Project #9.2)

To avoid the inconvenience of constructing a major sewer along Touhy, this alternative conveys storm runoff to twin 96-inch concrete sewers 3200 feet in length that would store 2.4 MG of stormwater under the abandoned Union Pacific ROW (Figure 9). These would cross and drain into the existing 84” sewers at Northeast Parkway and Pratt. The in-line storage pipes would have to be broken into sections where they intersect these existing sewers. The sections would be connected by 36” sections passing over the existing 84” sewers. The estimated total cost for this alternative is approximately \$16,400,000.

2.5.1.4.3 Abandoned Union Pacific ROW Detention Storage (Project #9.3)

This alternative is similar to the one above, however rather than burying the detention beneath the Abandoned Union Pacific ROW, a detention pond from Morse to Touhy with a bike path running through it would be excavated. The pond would be constructed in two sections with a culvert passing under Central Park Ave.

The typical detention cross section used in this analysis is indicated in Figure 11, with the bike path on a 25’ wide portion of the cross section next to a drainage channel at the bottom. During a 10-year storm the bike path along the section from Morse to Touhy would be under about 2 feet of water. This is the least expensive cross section and was intended to demonstrate feasibility. There are a number of ways this cross section could be modified to improve safety and aesthetics at a slightly increased cost. Regardless of the final configuration, to prevent surface flooding, the maximum water level in the pond must be kept below an elevation of 593 and the cross sectional area of storage below this elevation must not be reduced from that indicated in Figure 11.

Figure 12 is a profile of the sewer along Jarvis, south along East Prairie and Hamlin, east along Morse, and northeast along the bike path. The water cannot be ponded any deeper in the detention pond without risking surface flooding along Hamlin.

The bulk of the cost of providing this detention would for the sewers to convey the stormwater to the detention pond. The total cost of this alternative is approximately \$9.4M.

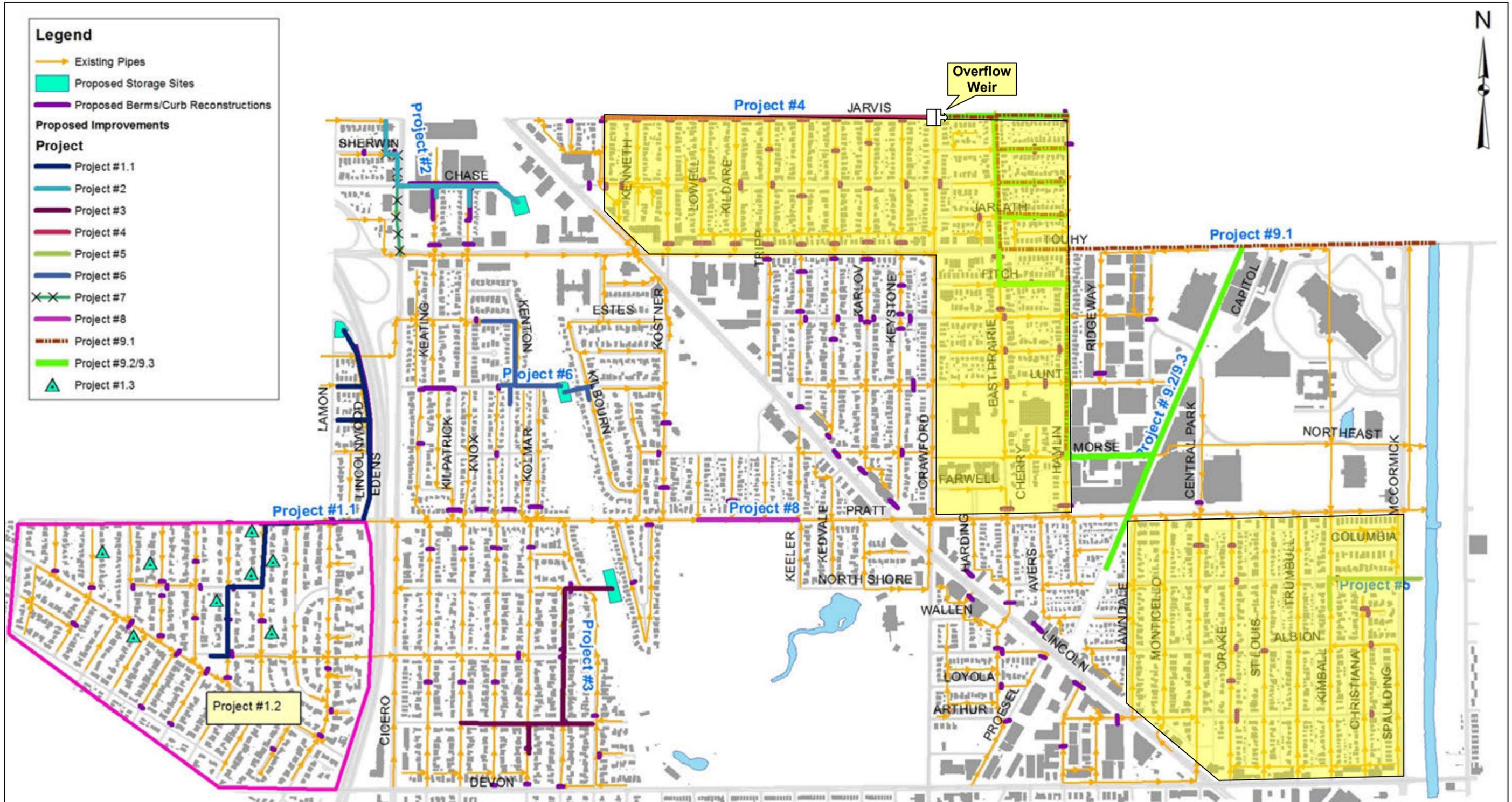


Figure 9 – Alternative 2 Sewer Improvements



Figure 10 – Potential Detention Sites

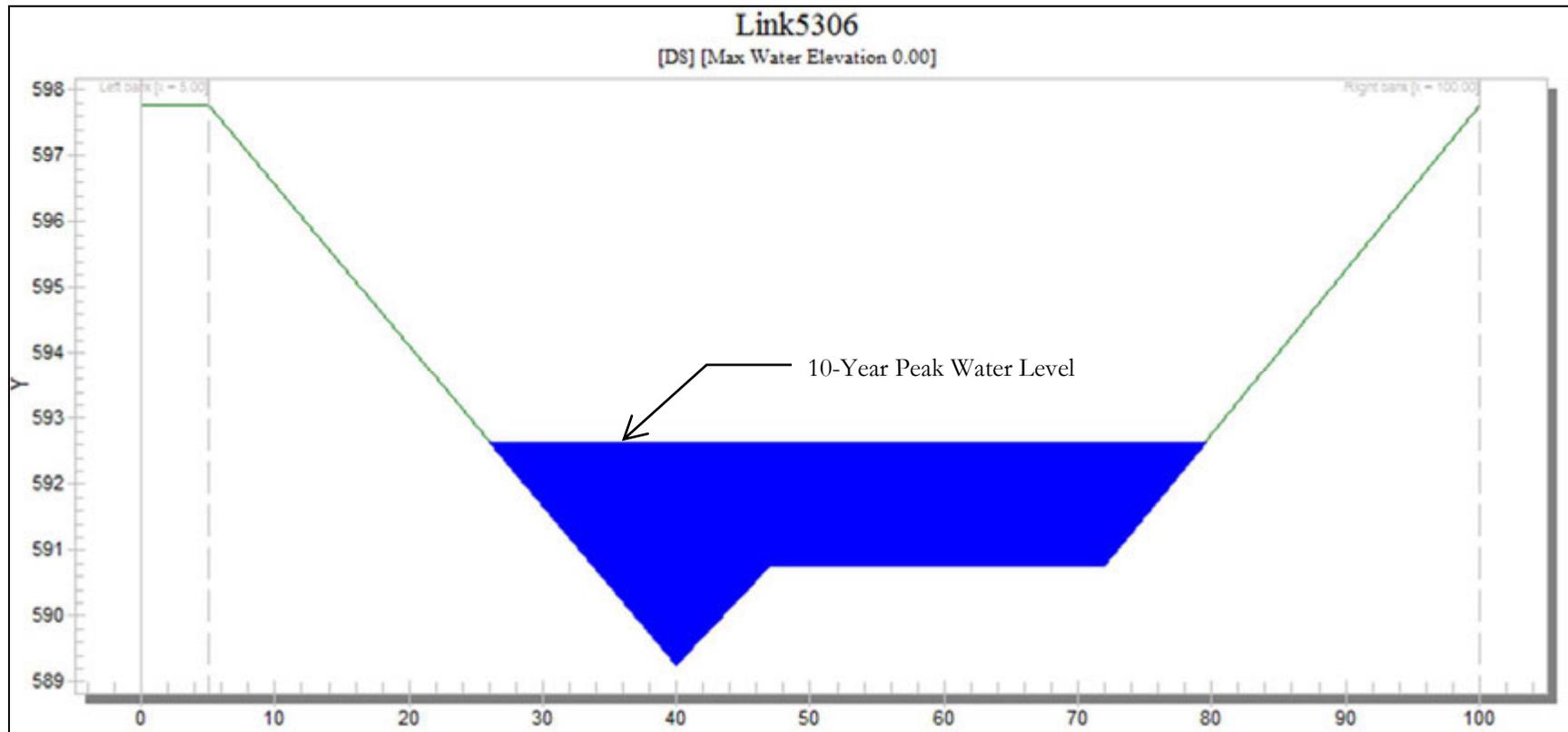


Figure 11 – Abandoned Union Pacific ROW Detention Cross Section

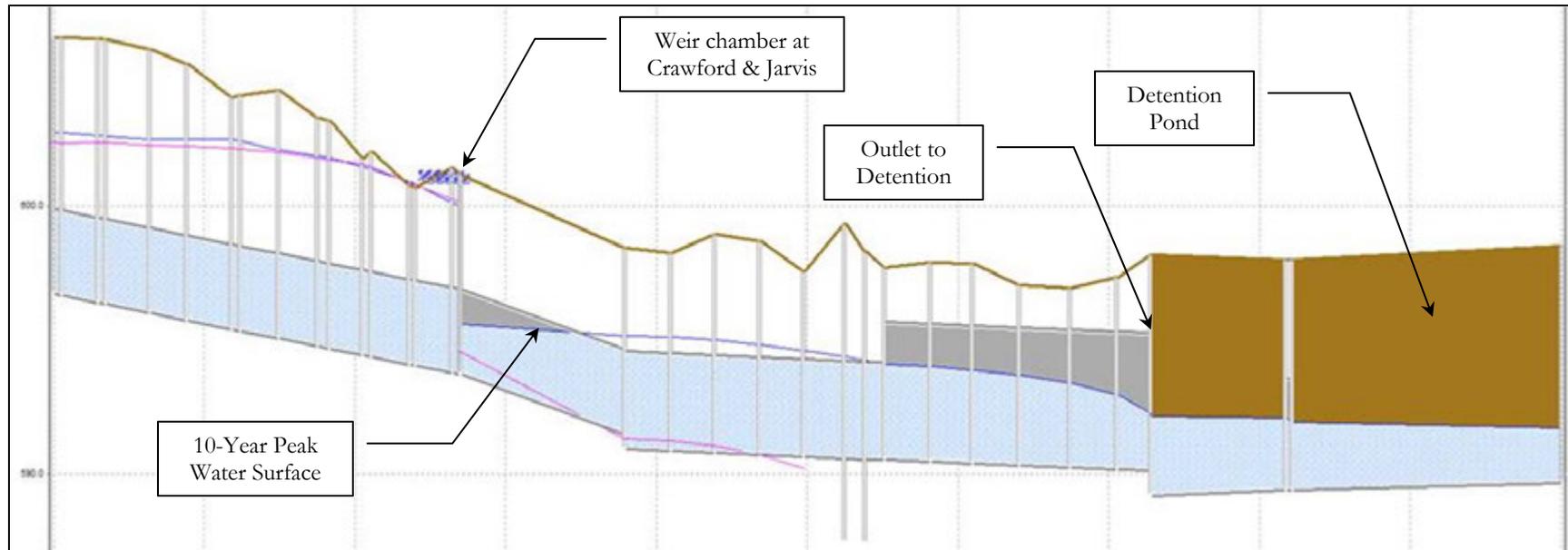


Figure 12 – Union Pacific Sewer and Detention Profile

2.5.1.5 Commonwealth Edison Stormwater Detention (Projects #2, #3, & #6)

Stormwater detention is an economical method of relieving overloaded sewers. Detention is basically a stormwater management technique that involves storing peak wet weather flows, then releasing the stored water at a reduced rate, preferably after the storm has passed. Street storage in roadways is the most economical form of detention in that it does not require any significant construction. However surface ponding in roadways can be perceived as an inconvenience and may risk surface flooding if not planned and designed carefully. Consideration must be given as to how to manage storm flows in excess of the design level of protection. There are currently two options under consideration for what to do with excess stormwater during storms greater than the 10-year level of protection; it can either be permitted to pond deeper and wider than the 10-year design parameters specify, or high-level overflows can be constructed to allow excess stormwater back into the combined system, increasing the risk of basement backups. A final determination of the preferred method is yet to be made.

The Alternative 1 analysis indicates that there is insufficient usable street storage available to provide the desired 10-year level of protection for all of Lincolnwood. Storm sewer and detention basin construction will be required to achieve the desired level of protection. On the other hand, even where streets do not provide adequate detention, they can still be used for conveyance. By using streets to convey storm runoff, smaller collector storm sewers are not required; only larger trunk storm sewers need to be constructed to convey excess storm runoff to offline storage facilities. A similar approach to stormwater management has been employed in Evanston, IL.

Commonwealth Edison (ComEd) owns vast quantities of open space that runs through the heart of Lincolnwood. These are ideal locations for offline stormwater detention. ComEd has already expressed a willingness to evaluate whether or not such facilities could be constructed on their property.

Figure 9 indicates three preferred detention pond locations totaling 4.7 acre-feet of detention. They would drain by gravity at a controlled rate back into the adjacent combined sewer system. Figure 13, Figure 14, Figure 15 are more detailed schematics of the pond footprints and inlet and outlet pipe locations. The pond storage volumes for the northern, central, and southern pond are 1.1, 2.4, and 1.2 acre-feet respectively.

These are the minimum storage volumes required to provide the 10-year level of protection. Making these ponds larger would provide an even higher level of flood protection.

2.5.2 TIME TO DRAIN

The table below summarizes the approximate volume stored and time to drain the recommended storage facilities once rainfall has ended. This is based on an available sewer capacity of 130 MGD.

Street Storage	41 acre*ft	2.48 hrs
Towers Storage	3.84 acre*ft	0.23 hrs
ComEd Storage	4.7 acre*ft	0.28 hrs
Union Pacific Storage	7.37 acre*ft	0.45 hrs
Total	57 acre*ft	3.5 – 5 hours

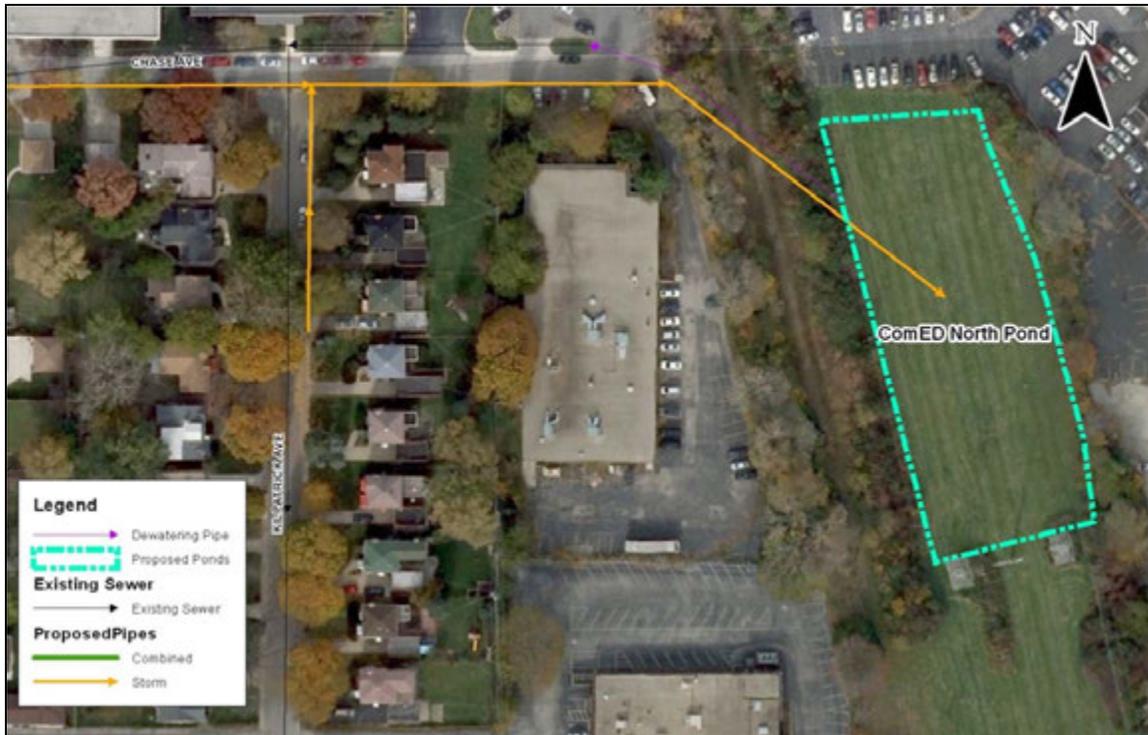


Figure 13 – ComEd North Detention Pond



Figure 14 – ComEd Central Detention Pond

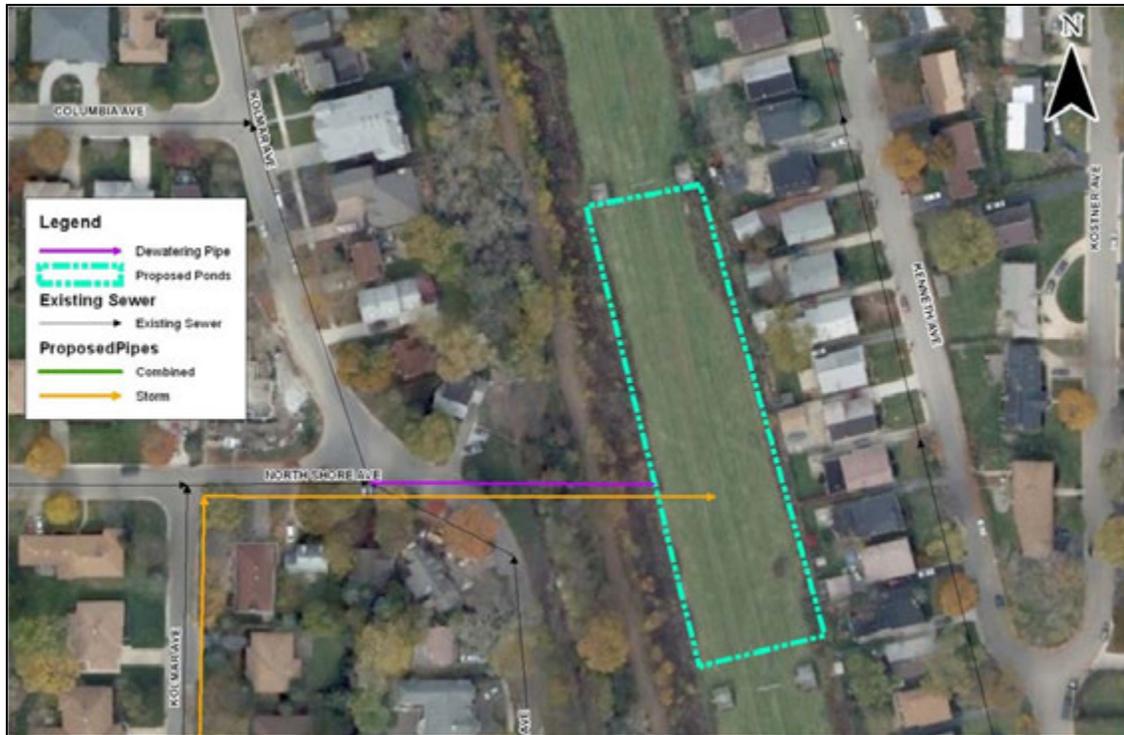


Figure 15 – ComEd South Detention Pond



Figure 16 – Polatan Park Pond

2.5.3 MODEL RESULTS

2.5.3.1 10-Year Storm

Figure 17 indicates the extent of surface flooding that the model predicts during the 10-year storm with the proposed improvements.

Virtually all surface ponding the model predicts meets the specified criteria (Section 2.4.1.2), however the model indicates some minor violations of these criteria. This is likely due, in large part, to imperfections in the topographic data that was used to construct the two-dimensional surface model. While generally very precise, the topographic data was created using remote sensing technology and may have imperfections (Section 5.1.5). Upon closer inspection, the majority of violations of the surface ponding criteria are due to suspect topographic data. While it would be impractical and prohibitively expensive to field verify topography in all these instances, that level of precision will be required and employed during Phase III, which would be the appropriate time to field verify model results.

2.5.3.2 25-Year Storm

The extent of flooding during the 25-year storm on the proposed system improvements is indicated in Figure 18. There are approximately 525 homes at risk for basement flooding. The extent of surface ponding is generally larger, and some homes are at increased risk for surface flooding.

2.5.4 REMAINING BASEMENT FLOODING

Even with the proposed improvements, there are a few homes which remain at risk for basement flooding. These homes generally lie in areas with shallow sewers that are barely more than six feet below grade. Only slight sewer surcharging is sufficient to put the adjacent homes at risk. Typically the depth of flooding that would occur during a 10-year storm would be less than four inches.

There are several alternatives the Village might employ to protect these remaining homes. First, the Village should inspect these homes and confirm they have full basements. If not, they are not at risk.

If they are at risk, the Village should consider reducing the minimum restrictor size to better regulate sewer flows and promote additional surface ponding. This should be evaluated further under Phase III. Alternatively, the Village could recommend, or mandate, that these homes have basement flood protection. Many of the homes in these areas, particularly the Towers neighborhood, may already have flood protection. If not, it can be accomplished with check valves or stand pipes. These methods, however, require maintenance and may fail during a storm. Overhead plumbing guarantees that the combined sewer cannot backup into the basement, but it is an expensive retrofit for those that do not already have it.

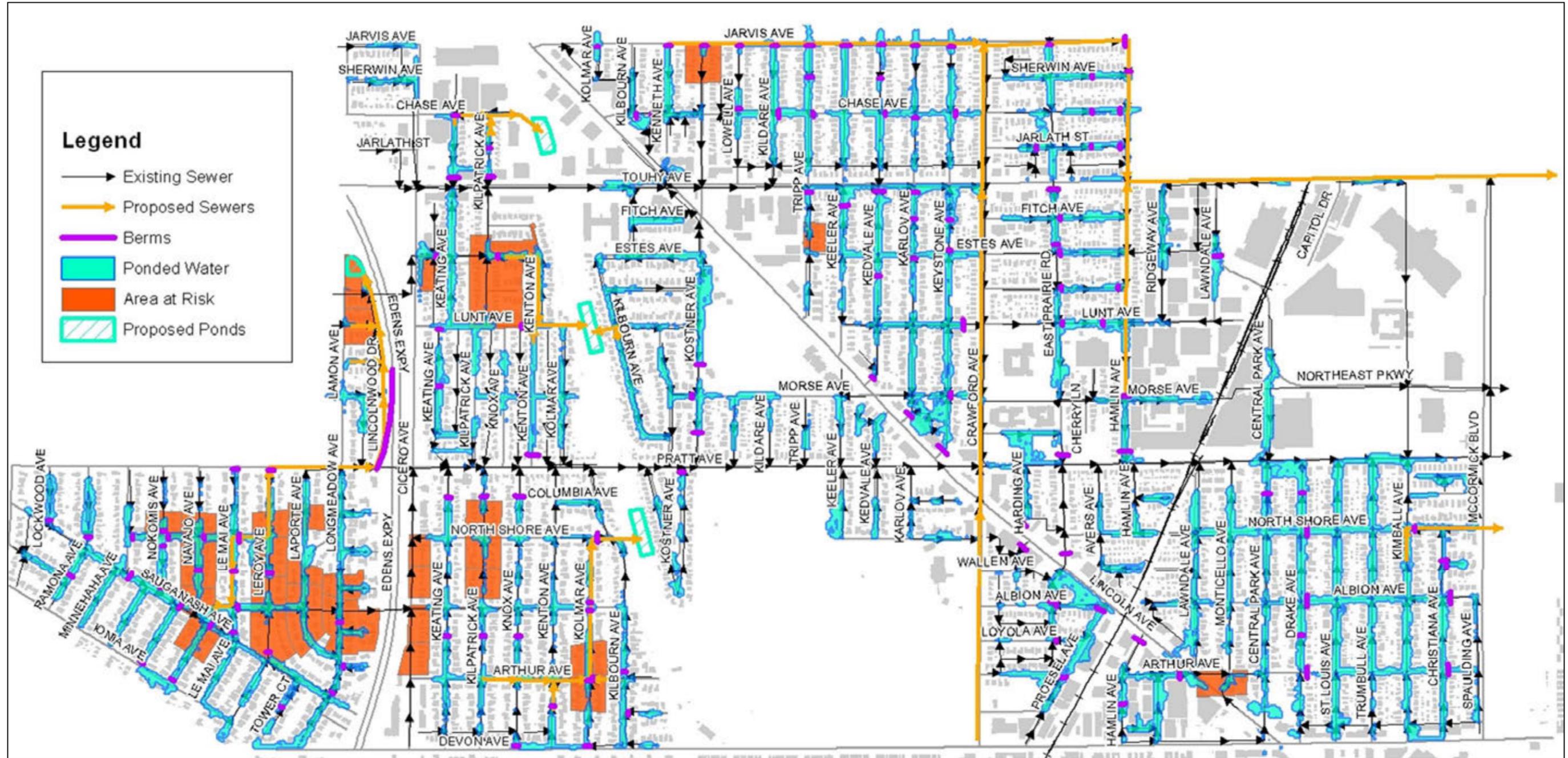


Figure 17 – Model Results, Alternative 2, 10-Year Storm



Figure 18 – Model Results, Alternative 2, 25-Year Storm

2.6 C OST – BENEFIT ANALYSIS

The levels of protection that Alternatives 1 and 2 provide are summarized in Table 4.

Table 4 – Levels of Protection, Alternatives 1 & 2

System Configuration	Homes At Risk For Basement Flooding				Homes At Risk For Surface Flooding			
	1-Year	5-Year	10-Year	25-Year	1-Year	5-Year	10-Year	25-Year
Existing Conditions	0	- ¹	3,000	4,500 ²	0	0	0	0
Alternative 1	0	750	1,300	1,800	0	50	100	150
Alternative 2	0	0	250	500	0	0	75	100

1. This simulation was not within the project scope.

2. While this simulation was not run, the flood complaints from August 2, 2001, a 25-year event, indicated Village-wide flooding.

Table 5 is a cost-benefit analysis of both alternatives. The cost-effectiveness of street storage (\$6,825/home) to reduce basement flooding is clear. However approximately 1,300 homes would remain at risk during a 10-year storm. The marginal cost for the remaining homes (the per home cost to provide the 10-year level of protection for these remaining homes by implementing Alternative 2) is approximately \$23,269/home. In other words, it costs about \$6,825/home to protect 1,700 of the 3,000 homes currently at risk during a 10-year storm, and an additional \$23,269/home to protect the 1,050 of the remaining 1,300 homes that would still be at risk during a 10-year storm under Alternative 1.

Table 5 – Cost-Benefit Analysis, 10-Year Storm

	Existing Conditions	Alternative 1 (Street Storage)	Alternative 2 (Sewers & Detention)
Homes At Risk	3,000	1,300	250
Homes Protected	0	1,700	2,750
Cost	\$0	\$5,592,060	\$28,039,156
Cost Per Home Protected	-	\$3,289 ¹	\$12,230 ²
Marginal Cost Per Home Protected	-	\$3,289	\$26,704 ³

$$1 = \frac{\text{Alternative 1 Costs}}{\# \text{ Homes Protected}} = \frac{\$5,592,060}{1,700} = \$3,289 \text{ per home protected}$$

$$2 = \frac{\text{Total Cost}}{\text{Total \# Homes Protected}} = \frac{(\$28,039,156 + \$5,592,060)}{2,750} = \$12,230 \text{ per home protected}$$

$$3 = \frac{\text{Incremental Cost}}{\text{Additional \# of Homes Protected}} = \frac{\$28,039,156}{(2750 - 1700)} = \$26,704 \text{ per additional home protected}$$

CHAPTER III – SUMMARY & RECOMMENDATIONS

Phase I demonstrates that the Village’s collection system does not have adequate capacity to provide the 10-year level of protection from basement backups. Phase II demonstrates that this level of protection can be attained with a capital improvement program. Therefore AB&H recommends that the Village proceed with Phase III of its Stormwater Management Program.

Street storage is an effective and inexpensive means of stormwater management (Table 5). It will reduce the severity of flooding during a 10-year storm by 55%. Therefore AB&H recommends that the Village proceed with the implementation of this approach. This will require more detailed engineering and analyses to optimize inlet restrictor sizing, containment berm placement and design.

Intentionally ponding storm runoff in streets is an unconventional method of stormwater management. Standing water in roadways may be perceived as an inconvenience by the public. Public support of street storage is critical for its success. Therefore the Village should begin by initiating a Public Education & Outreach Program. People that live in homes along streets that will be used for storage need to understand that it is in their best interest that the water pond in the street rather than in their basements. They should also understand the expense to the Village and property owners of having to construct a new storm drainage system to keep both streets and basements dry during rainfall events.

Should the Village move forward with street storage a public education campaign should be implemented. Affected parties are far more likely to support a program that they feel they have “ownership” of. The Village should form a stakeholder group with representatives from residential and commercial property owners from various regions within the Village. This group could engage with the Village’s Stormwater Ad-Hoc Committee to disseminate information and solicit feedback and suggestions. The Village should also utilize local media, Village Board meetings, and mass mailings as a means of communicating with the public.

If the Village elects to proceed with the recommendations of Alternative 2, the Village should first prepare a Capital Improvement Plan (CIP) that prioritizes and schedules each improvement project within the context of the Village’s overall Public Work’s needs, expenses, and budget. Sewer construction projects should be coordinated with other Public Works projects including, but not limited to, street reconstruction, combined sewer replacement / rehabilitation, water, lighting, etc. The CIP should include a rate study to assess the Village’s borrowing capacity, balance engineering and construction with available funding, and determine whether user fees will need to be adjusted to fund the program and service debt.

The list of improvement projects have been prioritized in Table 6 generally in order of decreasing cost-effectiveness. A CIP as described above will be required to schedule specific design and construction dates.

Table 6 – Engineer’s Recommended Project Priority List

Priority	Project #	Description	Cost	Homes Protected	Cost per Home
1	Alternative 1	Flow restrictors & containment berms	\$ 5,592,060	1,700	\$ 3,289
2	5	New North Shore Chanel Storm Outlet	\$ 1,335,398	210	\$ 6,359
3	6	Storm sewer & ComEd Central detention pond	\$ 1,710,210	152	\$ 11,251
4	3	Storm sewer & ComEd South detention pond	\$ 2,843,679	145	\$ 19,612
5	9.3	8,000 feet of 24 inch to 60 inch storm sewer & abandoned Union Pacific ROW detention	\$ 9,427,386	345	\$ 34,269
6	4	3,020 feet of 36 inch storm sewer	\$ 2,395,478		
7	2	Storm sewer & ComEd North detention pond	\$ 2,137,650	44	\$ 48,583
8	8	Upsize 1,000-foot section of combined sewer to 60 inch - 72 inch sewer along Pratt	\$ 1,933,168	154	\$ 53,178
9	1.1	Storm sewer & Polatan Park detention pond	\$ 3,908,687		
10	1.3	Detention Storage (3 sites)	\$ 2,347,500		
11	7	Upsize 750-foot section of existing combined sewer to 24 inch to 36 inch sewer (Merged with Project #2)			
Grand Total			\$ 33,631,216		

**All dollar values displayed to the nearest whole dollar amount.

CHAPTER IV – BIBLIOGRAPHY

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CHAPTER V –APPENDIX

5.1 MODEL UPDATE

The model developed for the Phase I analysis was completely overhauled to enable it to perform the detailed analysis required for Phase II. Steps in the overhaul included:

1. Increase sewer network detail – The model developed for Phase I only included larger diameters sewers, generally those 18 inches and larger. For Phase II, the model was updated to include every pipe and manhole.
2. Inlets & catch basins – Almost every inlet and catch basin is represented in the Phase II hydraulic model.
3. Basement flooding – When sewage backs up into basements, it does impact the hydraulics of the system. Therefore the model was enhanced to simulate this phenomenon.
4. Hydrologic model – Using rainfall as input, the hydrologic model predicts storm runoff entering the hydraulic model of the sewer network. The detail of the hydrologic model was increased to match the increased detail of the hydraulic model.
5. 2-Dimensional Surface Model – To accurately simulate flow and storage in the streets, a two-dimensional representation of Lincolnwood’s topography was added to the model. This enabled engineers to predict both overland and sewer flows and the interaction thereof in a single dynamic model.

5.1.1 HYDRAULIC MODEL

The hydraulic model consists primarily of Lincolnwood’s physical sewer system of pipes and manholes. The model developed for Phase I was “skeletal”, containing only larger diameters sewers, generally those 18 inches and larger. The hydraulic model was overhauled and expanded for Phase II in order to include all sewers so as to provide the level of precision this analysis required.

5.1.1.1 Sewer Network

For Phase II the hydraulic model was updated to include every pipe and manhole. Lincolnwood’s GIS utility geodatabase was the primary source of information for this update. In some cases the GIS data was either incomplete or inaccurate. In these cases modelers relied upon survey data collected during Phase I, or interpolated for missing/erroneous pipe/manhole inverts. All manhole rim elevations were taken from the triangulated irregular network (TIN) of surface topography.

5.1.1.2 Catch Basins & Inlets

To simulate overland flows and storage, the representation of the catch basins within the model was greatly enhanced. Doing so provided the ability to simulate inlet restrictors and the subsequent reduction in discharge and increase in surface ponding. However, modeling the restriction of all 4,000 inlets and catch basins greatly increased computational time and model instability. Therefore composite restrictors were created in the model. Each composite restrictor represents the cumulative capacities of all the inlets or catch basins near it, for example, all four catch basins in an intersection.

Figure 19 indicates how inlets, catch basins, and restrictors were typically represented in the model. While restrictors would likely be placed in every catch basin and inlet, in the model, they were all routed through a single restrictor. Since the model was developed, the Village made the decision to switch from hanging trap regulators in every catch basin to consolidating flows through a reduced number of shear gates. Therefore the proposed catch basin configuration will closely resemble the bottom schematic in Figure 19 after Alternative 1 is implemented.

To prevent clogging, Village staff specified a minimum restrictor size of two inches. A hydraulic analysis determined that if all restrictors were 2 inches, the total peak flow into the sewer system would generally match system capacity. Therefore all restrictors were initially given a two-inch diameter. During the analysis, the diameters of some restrictors were increased where the depth of extent of surface ponding exceeded the criteria specified in Section 2.4.1.2. The 2 inch minimum criteria was eliminated by the decision to use shear gates rather than hanging trap restrictors.

5.1.1.3 Basement Storage

When sewage backs up into basements, it impacts the hydraulics of the sewer system. Therefore the model was enhanced to simulate this phenomenon. This also provided the ability to better estimate the number of homes at risk during alternative analysis.

The model was configured to simulate basement storage using the following algorithm:

1. The centroid (center) of each home was located.
2. The first floor elevation of the building was taken from topography and assigned to the centroid.
3. The area of the building footprint was assigned to the centroid.
4. The total footprint areas of all the buildings associate with each manhole were calculated.
5. The maximum and minimum first floor elevations of all buildings associated with a manhole were assigned to that manhole.
6. Basement storage was presumed to begin 6 feet below the minimum first floor elevation.
7. Basement storage was presumed to increase linearly until it reached the total footprint area at 6 feet below the elevation of the maximum first floor elevation.
8. All homes were presumed to have basements equal in area to the building footprint, and were assumed to not have basement flood protection.
9. To improve model stability, basement storage was added to the manhole nodes themselves.

Homes served by shallow sewers were typically found either to have half basements or no basements. For these areas, it was assumed that basement storage began 3 feet below grade.

5.1.2 HYDROLOGIC MODEL

The hydrologic model takes rainfall as input, and simulates evaporation, soil infiltration, and surface runoff. It generates runoff hydrographs at each of the hydraulic model nodes that are then routed through the hydraulic model. Therefore model Subcatchments were subdivided to simulate runoff into the more detailed hydraulic model.

Major hydrologic model parameters generally include percent impervious, ground slope, and soil type. Percent impervious has the biggest impact on runoff rates. It was calculated using GIS software, by

intersecting subcatchment boundaries with building, parking lot, and street layers. Buildings were tabulated separately because these are required to discharge onto lawns. They were modeled as “disconnected impervious areas”. The resultant subcatchment percent impervious values are indicated in Figure 20.

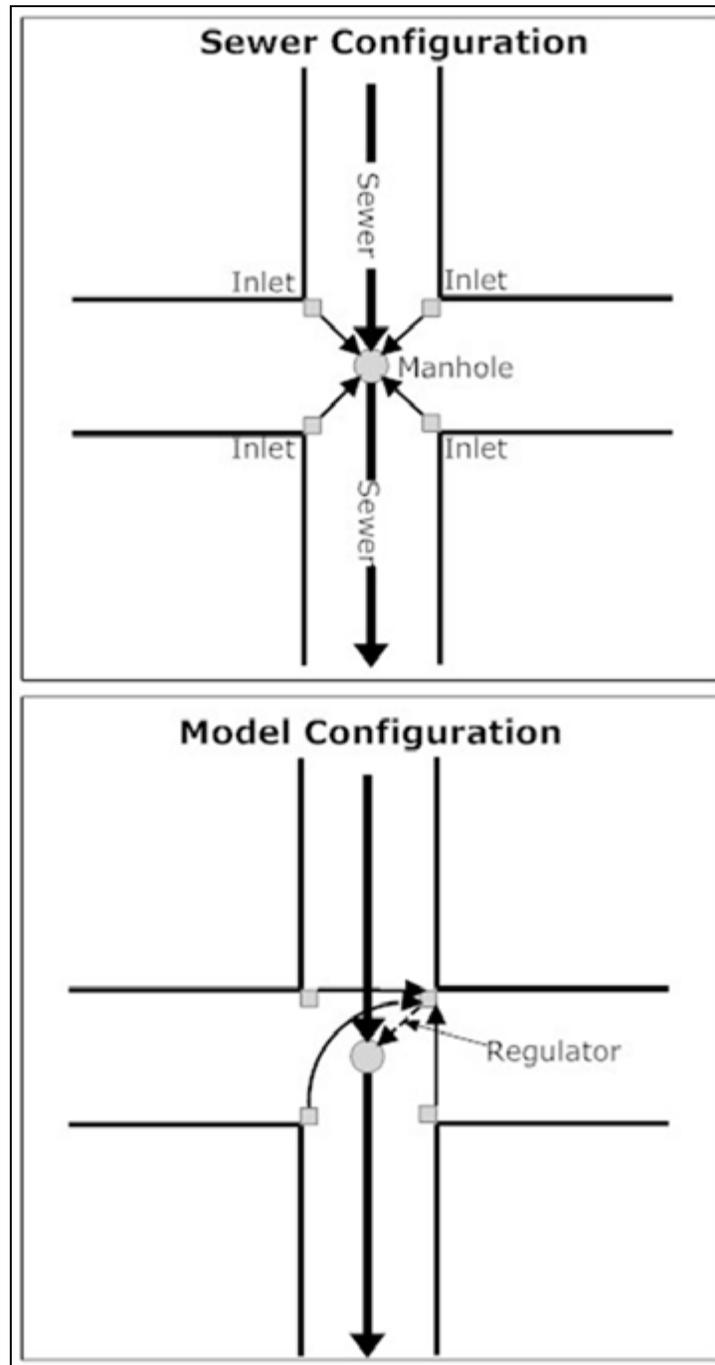


Figure 19 – Inlet / Catch Basin Configuration

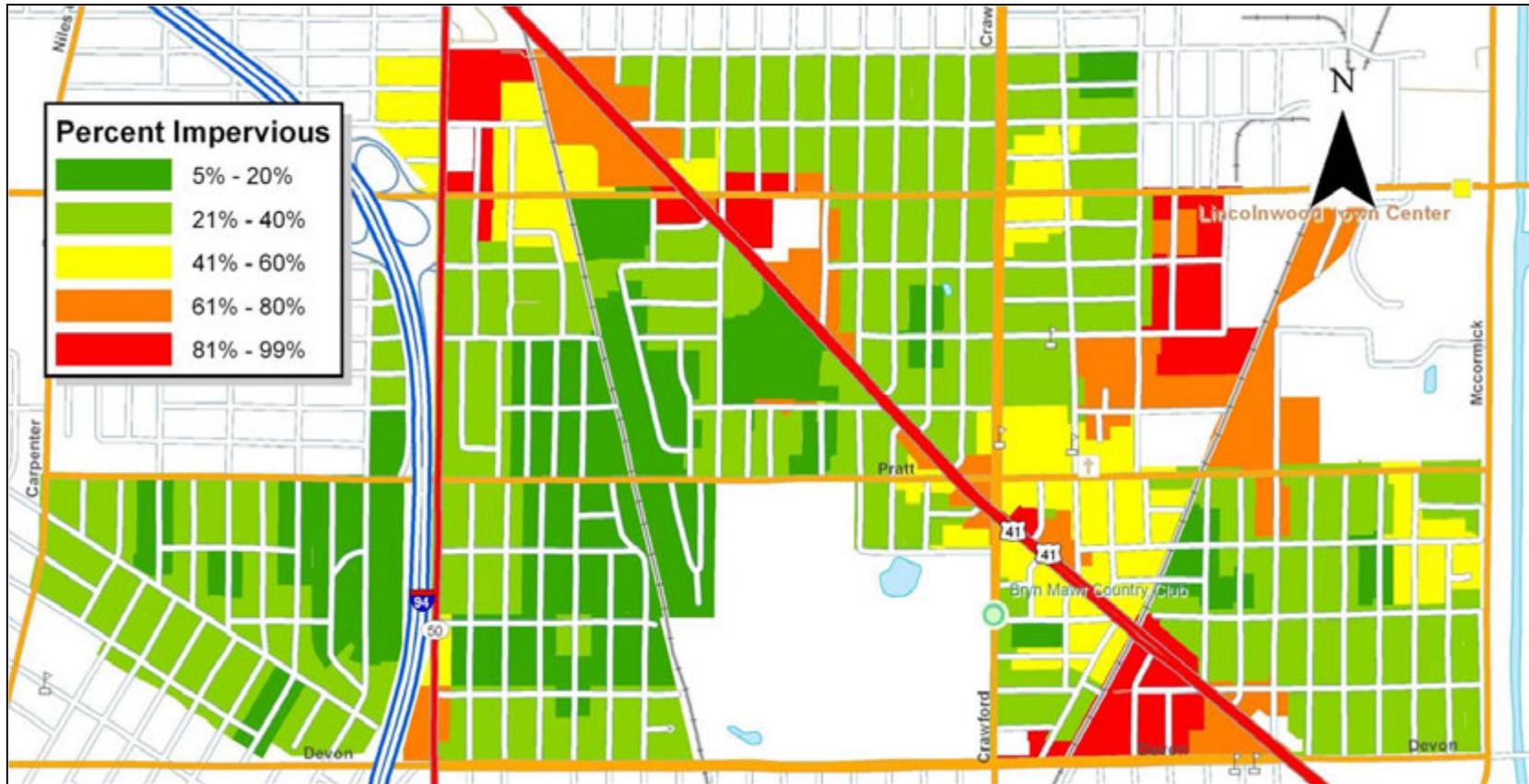


Figure 20 – Percent Impervious

5.1.3 2-D IMENSIONAL SURFACE MODEL

Under Phase I, surface and subsurface flows were both simulated using a 1-dimensional dual-drainage network model. While this was adequate for performing a PASS/FAIL analysis of the trunk sewers during a 10-year storm, it is not capable of performing the complex analyses required for evaluating street storage.

5.1.3.1 TUFLOW

In recent years, XP-SWMM has been enhanced by incorporating the FEMA approved TUFLOW 2-dimensional computational engine. TUFLOW is an overland flow module available for both **xpswmm** and **xpstorm**. This fully dynamic 2D flow capability, coupled with the 1D capability of **xpswmm** or **xpstorm**, allows simulation of flows in and out of urban drainage networks and river systems. It provides an incredibly accurate tool to predict the extent, depth, velocity and duration of flooding to evaluate flood mitigation technologies and management practices. Features supporting structural failures (dams, levees, floodwalls, etc.) allow detailed analysis of emergency response scenarios. A powerful feature of **xpswmm** or **xpstorm** with **xp2D** is its ability to dynamically link to any 1D (quasi-2D) model in an integrated fashion. The user sets up the model as a combination of 1D network domains linked to 2D domains as single model.

TUFLOW is a computer program for simulating depth-averaged, two and one-dimensional free-surface flows such as occurs from floods and tides. TUFLOW, originally developed for just two-dimensional (2D) flows, stands for Two-dimensional Unsteady FLOW. It now incorporates, the full functionality of the ESTRY 1D network or quasi-2D modeling system based on the full one-dimensional (1D) free-surface flow equations (see below). The fully 2D solution algorithm solves the full two-dimensional, depth averaged, momentum and continuity equations for free-surface flow. Advanced 2D/1D linking and GIS data management have greatly increased the power of TUFLOW.

TUFLOW is specifically orientated towards establishing flow patterns in coastal waters, estuaries, rivers, floodplains and urban areas where the flow patterns are essentially 2D in nature and cannot or would be awkward to represent using a 1D network model.

TUFLOW solves the depth averaged 2D shallow water equations (SWE). The SWE are the equations of fluid motion used for modeling long waves such as floods, ocean tides and storm surges. They are derived using the hypotheses of vertically uniform horizontal velocity and negligible vertical acceleration (ie. a hydrostatic pressure distribution). These assumptions are valid where the wave length is much greater than the depth of water. In the case of the ocean tide the SWE are applicable everywhere.

The 2-D SWE in the horizontal plane are described by the partial differential equations (next page) of mass continuity and momentum conservation in the X and Y directions for an in-plan cartesian coordinate frame of reference.

$$\frac{\partial \zeta}{\partial t} + \frac{\partial(Hu)}{\partial x} + \frac{\partial(Hv)}{\partial y} = 0 \quad (2D \text{ Continuity})$$

$$\frac{\partial u}{\partial t} + u \frac{\partial u}{\partial x} + v \frac{\partial u}{\partial y} - c_f v + g \frac{\partial \zeta}{\partial x} + g u \frac{\sqrt{u^2 + v^2}}{C^2 H} - \mu \left(\frac{\partial^2 u}{\partial x^2} + \frac{\partial^2 u}{\partial y^2} \right) + \frac{1}{\rho} \frac{\partial p}{\partial x} = F_x \quad (X \text{ Momentum})$$

$$\frac{\partial v}{\partial t} + u \frac{\partial v}{\partial x} + v \frac{\partial v}{\partial y} + c_f u + g \frac{\partial \zeta}{\partial y} + g v \frac{\sqrt{u^2 + v^2}}{C^2 H} - \mu \left(\frac{\partial^2 v}{\partial x^2} + \frac{\partial^2 v}{\partial y^2} \right) + \frac{1}{\rho} \frac{\partial p}{\partial y} = F_y \quad (Y \text{ Momentum})$$

where

ζ = Water surface elevation

u and v = Depth averaged velocity components in X and Y directions

H = Depth of water

t = Time

x and y = Distance in X and Y directions

c_f = Coriolis force coefficient

C = Chezy coefficient

μ = Horizontal diffusion of momentum coefficient

p = Atmospheric pressure

ρ = Density of water

F_x and F_y = Sum of components of external forces (eg. wind) in X and Y directions

The terms of the SWE can be attributed to different physical phenomena. These are propagation of the wave due to gravitational forces, the transport of momentum by advection, the horizontal diffusion of momentum, and external forces such as bed friction, rotation of the earth, wind, wave radiation stresses, and barometric pressure.

The computational procedure used is an alternating direction implicit (ADI) finite difference method involves two stages, each having two steps, giving four steps overall. Each step involves solving a tri-diagonal matrix.

Stage 1, step 1 solves the momentum equation in the Y-direction for the Y-velocities. The equation is solved using a predictor/corrector method, which involves two sweeps. For the first sweep, the calculation proceeds column by column in the Y-direction. If the signs of all velocities in the X-direction are the same the second sweep is not necessary, otherwise the calculation is repeated sweeping in the opposite direction.

The second step of Stage 1 solves for the water levels and X-direction velocities by solving the equations of mass continuity and of momentum in the X-direction. A tri-diagonal equation is obtained by substituting the momentum equation into the mass equation and eliminating the X-velocity. The water levels are calculated and back substituted into the momentum equation to calculate the X-velocities. This process is repeated for a recommended two iterations. Testing on a number of models showed there to be little benefit in using more than two iterations.

Stage 2 proceeds in a similar manner to Stage 1 with the first step using the X-direction momentum equation and the second step using the mass equation and the Y-direction momentum equation.

The solution has been enhanced and improved to provide much more robust wetting and drying of elements, upstream controlled flow regimes (eg. supercritical flow and upstream controlled weir flow), modifications to cells to model structure obverts (eg. bridge decks) and additional energy losses due to fine-scale features such as bridge piers.

5.1.3.2 Model Configuration

The Village of Lincolnwood owns a highly detailed triangulated irregular network (TIN) topographic data set (Figure 23). XP-SWMM, however, requires a grid-based digital elevation model (DEM) as input. Using GIS geoprocessing tools, the TIN was converted to a 5-foot DEM for import into XP-SWMM.

Once the DEM has been imported into XP-SWMM, a 2-dimensional grid cell size must be specified. The input DEM will be averaged according to the specified cell size. While matching the cell size of the input DEM (5-foot) would give highly precise results, the computational time and memory and hard disk requirements of this level of detail made this high of a resolution impractical. Therefore a 15-foot grid size was specified. This reduced computer computational requirements to a manageable level while providing sufficient for alternative analyses.

5.1.4 M ODEL VERIFICATION

The model that had been developed for Phase I had been calibrated to reproduce the flows and water levels of several measured storms (AB&H, 2010). Rather than recalibrate the model to these measured events, a hypothetical design storm was run through both the Phase I and Phase II models. If both models produced similar flows for the same event, one can assume the Phase II model is sufficiently accurate.

Figure 21 compares the flows at the same downstream location in both the Phase I and Phase II models. This comparison verifies the accuracy of the Phase II model.

5.1.5 M ODEL ASSUMPTIONS & LIMITATIONS

No model is perfect in that all models are mathematical representations of extremely complex real-world phenomena. Collection system models are certainly no different. While with additional time and expense model precision can be improved, it tends to follow a law of diminishing returns, where each incremental increase in cost results in a smaller incremental increase in precision. Therefore modelers must take care to develop a tool that is suitable for the problem that one is trying to solve or the question one is attempting to answer, without spending an inordinate amount of time and budget developing a model that is more detailed than what is appropriate.

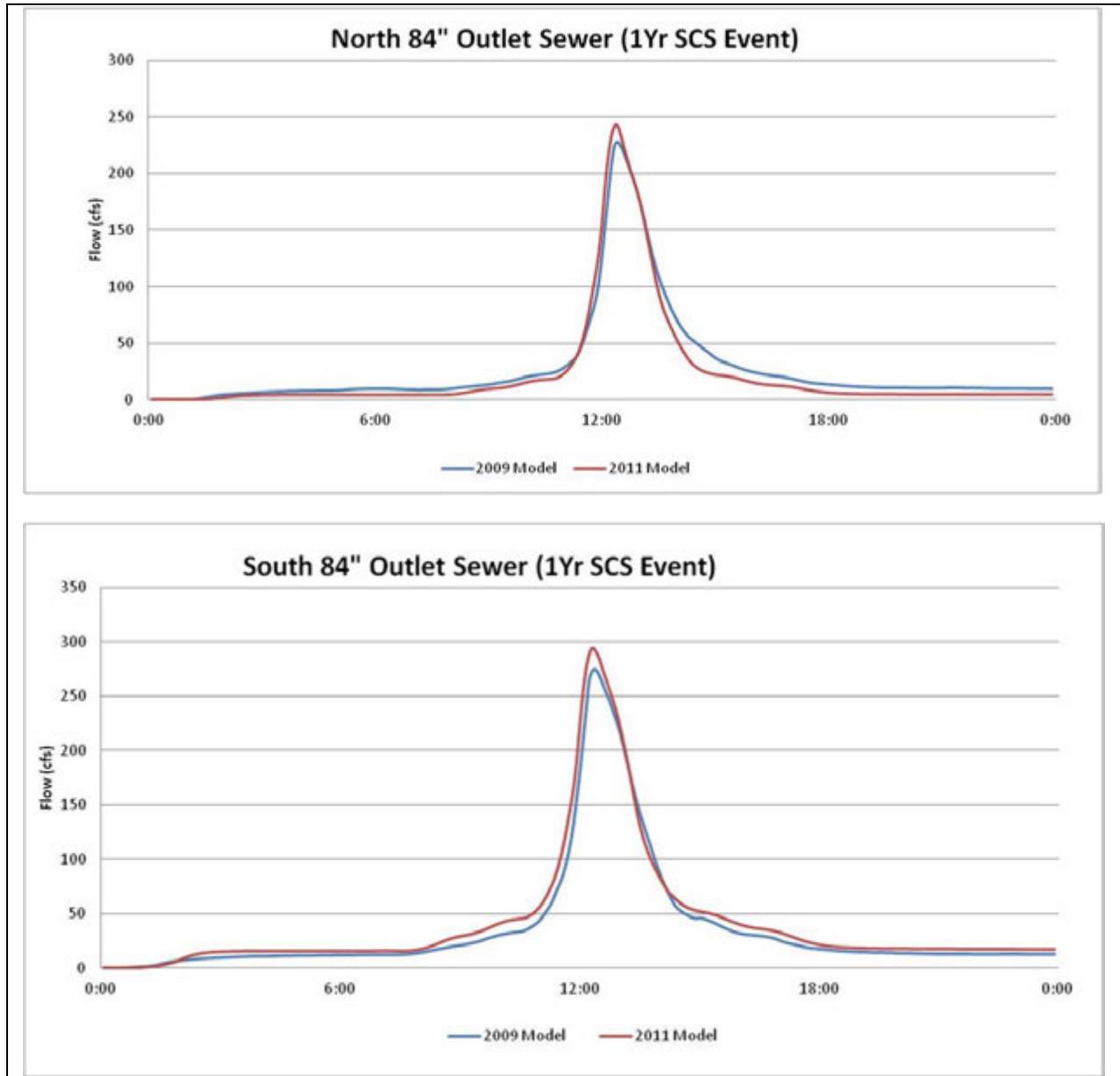


Figure 21 – Model Verification

Modelers must make many simplifying assumptions and understand the implications thereof in order to develop a model that produces reliable results. One must take care when interpreting model results to do so with an understanding of the model's precision and limitations. While many assumptions and simplifications were made during model development, a list of the most significant follows:

- All sewers were assumed to be clean and in good conditions;
- Subcatchments were presumed to be homogeneous;
- Design rainfall events were presumed to fall uniformly over the entire service area;
- The MWRDGC interceptor was assumed not to be surcharged to the level of Lincolnwood's sewer system;
- All homes were presumed to have basements lacking flood protection;
- All homes' basement areas were assumed to be equal to the building footprint;
- All homes were presumed to discharge their downspouts onto their lawns;
- The topographic data was created using LIDAR, a remote sensing technology. While it is the most accurate topographic data available for a large-scale two-dimensional analysis, it may contain anomalies that incorrectly predict the extent of surface ponding.
- All of the proposed inlet restrictors were presumed to be flowing freely.

5.2 D DESIGN STORMS

The model requires a rainfall hyetograph as input. 24-hour rainfall volumes (Table 7) for a range of recurrence intervals were selected from Bulletin 71 (Midwestern Climate Center, 1992). These rainfall volumes were distributed over a 24-hour period using the SCS Type II distribution (Figure 22). Using this distribution eliminates the need to run a series of design storms of varying durations for each recurrence interval. Approximately 50% of the 24-hour rainfall total falls within the peak two hours of the distribution.

Table 7 – Design Storms

Recurrence Interval (Years)	Likelihood of Occurrence	24-Hour Volume (in)
1	-	2.51
2	50%	3.04
5	20%	3.80
10	10%	4.47
25	4%	5.51

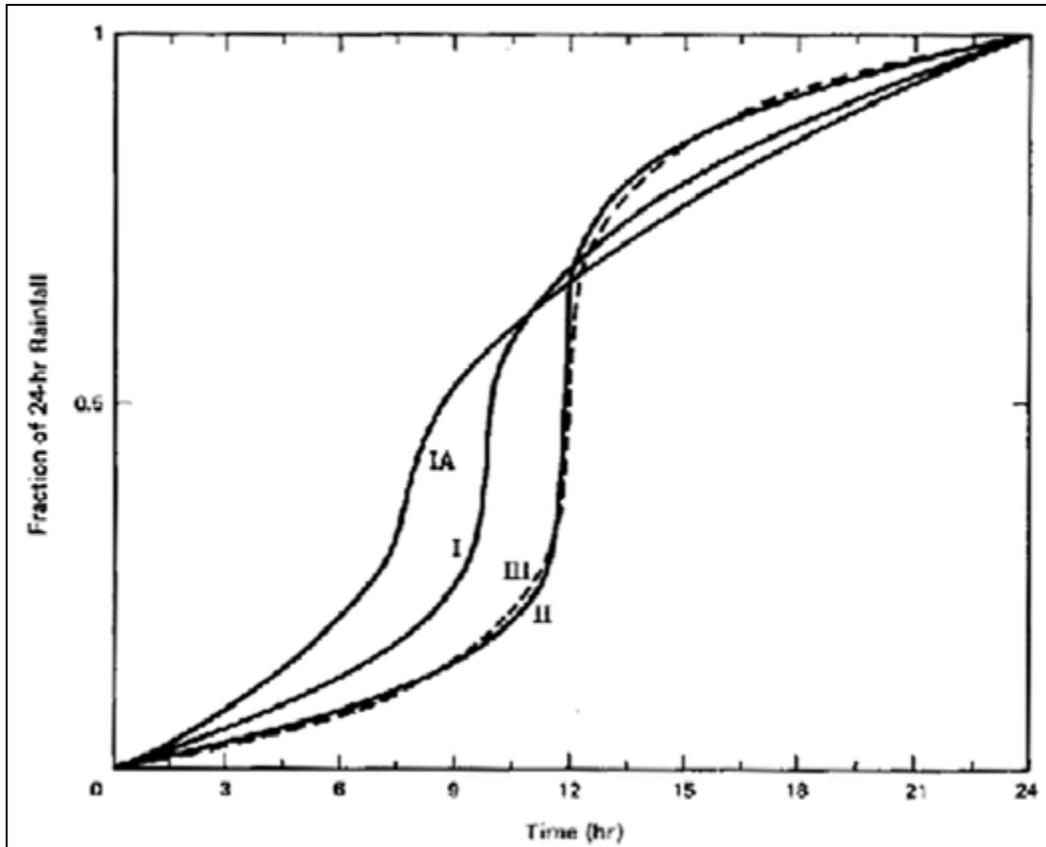


Figure 22 – SCS Rainfall Distributions

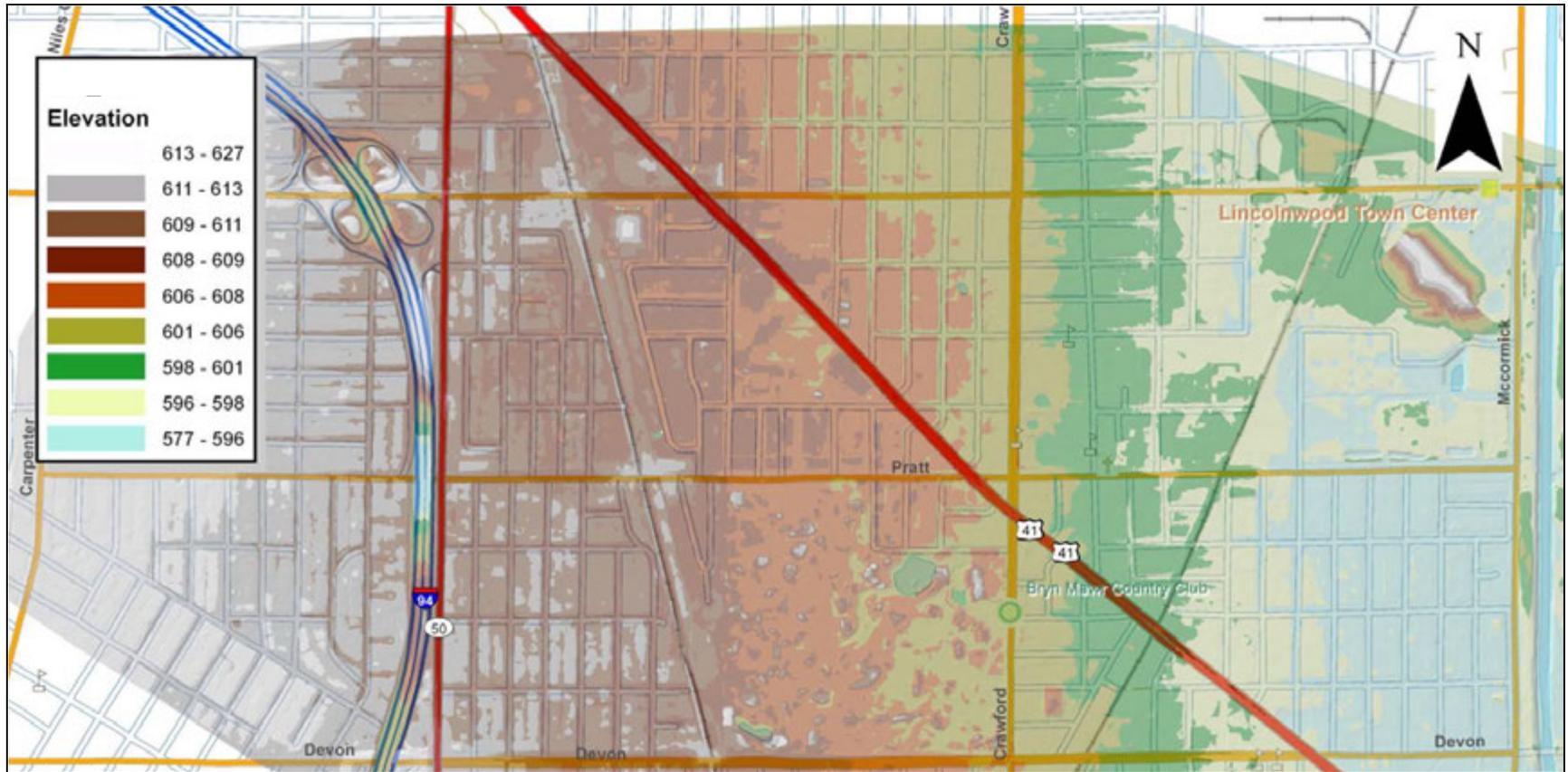


Figure 23 – Topography

5.3 D ETAILED COST ESTIMATES

5.3.1 A LTERNATIVE 1

Alternative 1 has two primary cost components, berms and restrictors. The costs of the 152 berms and the hanging trap restrictors are provided in the table below:

Table 8 – Containment Berm & Hanging Trap Opinion of Probable Construction Cost

Item	QTY	Units	Unit Cost	Cost
Asphalt	13	CY	\$100	\$ 1,300
Curb & Gutter	60	LF	\$10	\$ 600
Inlet	2	EA	\$1,300	\$ 2,600
12" drain tile	30	LF	\$40	\$ 1,200
Sub-Total Cost per Berm				\$ 5,700
Contingency			40%	\$ 2,280
Total Cost per Berm				\$ 7,980
Total # of Berms				152
Total Berm Cost				\$ 1,212,960
Hanging Traps	3981	EA	\$1,100	\$4,379,100
Total Cost (Street Storage)				\$ 5,592,060

For comparison, the cost of shear gate flow control devices similar to those used in Wilmette were developed. At each intersection, each catch basin currently ties in directly to the combined sewer manhole. The use of shear gates requires re-routing all of the catch basins in an intersection through a single catch basin which would be connected to the combined sewer. By consolidating multiple catch basins through a single regulator, the size of the regulator can be enlarged, reducing the likelihood of clogging. The combined sewer connection would have a shear gate to regulate the flow collected by all the inlets and catch basins in the intersection. The total cost to install the approximately 678 shear gates (with 2 re-routed catch basins per connection) is as follows:

Table 9 – Shear Gate Opinion of Probable Construction Cost

Item	QTY	Units	Unit Cost	Cost
Catch basin removal	3	EA	\$150	\$450
Inlet	2	EA	\$1,300	\$2,600
Catch basin	1	EA	\$2,000	\$2,000
12" inlet lead	30	LF	\$40	\$1,200
Asphalt removal	165	SY	\$0.50	\$83
3" Asphalt Pavement	165	SY	\$25	\$4,125
Shear Gate	1	EA	\$500	\$500
Sub-Total Cost Per Connection				\$10,958
Contingency			25%	\$2,739
Engineering			15%	\$1,644
Total Cost Per Connection				\$15,341
# of Connections				678
Total Shear Gate Installation Cost				\$10,400,859

*All dollar values displayed to the nearest whole dollar amount.

Shear gates increase the cost of Alternative 1 by about \$6M, so this study presumes the use of hanging trap restrictors. The Village is currently pilot testing filters which screen out leaves and debris by effectively increasing the effective area of the restrictor opening thereby reducing the likelihood of clogging.

5.3.2 ALTERNATIVE 2

Table 10 is a summary of the estimates of probable costs of all the projects noted in Figure 9. Detailed estimates by project are in Table 11 through

Table 10 – Alternative 2 Summary of Opinions of Probable Costs, Alternative 2

Village of Lincolnwood					
Stormwater Modeling Project					
Project #1.1					\$ 3,908,687
Project #1.3					\$ 2,347,500
Project #2					\$ 2,137,650
Project #3					\$ 2,843,679
Project #4					\$ 2,395,478
Project #5					\$ 1,335,398
Project #6					\$ 1,710,210
Project #7					
Project #8					\$ 1,933,168
Project #9.3					\$ 9,427,386
Total Cost					\$ 28,039,156

*All dollar values displayed to the nearest whole dollar amount.

Table 11 – Project #1.1 Opinion of Probable Costs

Village of Lincolnwood Stormwater Modeling Project				
PROJECT #1.1 CONCEPTUAL LEVEL COST ESTIMATE				
ITEM	Units	Quantity	Unit Cost (\$)	Initial Cost (\$)
36" Pipe	LF	4,560	470	2,143,200
Subtotal				2,143,200
Contingency			40%	857,280
Subtotal				3,000,480
Total Sewer Construction Cost				3,000,480
Detention Pond	gal	1,138,223	\$0.35	398,378
Total Construction Cost				3,398,858
Engineering			15%	509,829
Total Initial Cost				3,908,687

*All dollar values displayed to the nearest whole dollar amount.

Note: Costs do not include land acquisition.

Table 12 – Project #2 Opinion of Probable Costs

Village of Lincolnwood Stormwater Modeling Project				
PROJECT #2 CONCEPTUAL LEVEL COST ESTIMATE				
ITEM	Units	Quantity	Unit Cost (\$)	Initial Cost (\$)
Installation depth <=4'				
8" diameter PVC pipe	LF	100	111	11,100
Installation depth >4'<=6'				
10" diameter PVC pipe	LF	50	156	7,800
24" diameter PVC Pipe	LF	1,143	270	308,610
Installation depth >6'<=10'				
12" diameter RCP pipe	LF	215	182	39,130
15" diameter RCP pipe	LF	50	226	11,300
21" diameter RCP pipe	LF	40	272	10,880
30" diameter RCP pipe	LF	319	427	136,213
36" diameter RCP pipe	LF	700	486	340,200
Subtotal				865,233
Contingency			40%	346,093
Total Sewer Construction Cost				1,211,326
Detention Pond	gal	1,850,000	\$0.35	647,500
Total Construction Cost				1,858,826
Engineering			15%	278,824
Total Initial Cost				2,137,650

*All dollar values displayed to the nearest whole dollar amount.

Note: Costs do not include land acquisition.

Table 13 – Project #3 Opinion of Probable Costs

Village of Lincolnwood Stormwater Modeling Project				
PROJECT #3 CONCEPTUAL LEVEL COST ESTIMATE				
ITEM	Units	Quantity	Unit Cost (\$)	Initial Cost (\$)
Installation depth >4'<=6'				
15" diameter RCP pipe	LF	300	205	61,500
Installation depth >6'<=10'				
15" diameter RCP pipe	LF	300	226	67,800
24" diameter RCP pipe	LF	300	294	88,200
30" diameter RCP pipe	LF	300	427	128,100
36" diameter RCP pipe	LF	1,760	486	855,360
48" diameter RCP pipe	LF	400	632	252,800
Subtotal				1,453,760
Contingency			40%	581,504
Total Sewer Construction Cost				2,035,264
Detention Pond	gal	1,250,000	\$0.35	437,500
Total Construction Cost				2,472,764
Engineering			15%	370,915
Total Initial Cost				2,843,679

*All dollar values displayed to the nearest whole dollar amount.

Note: Costs do not include land acquisition.

Table 14 – Project #4 Opinion of Probable Costs

Village of Lincolnwood Stormwater Modeling Project					
ITEM	Units	Quantity	Unit Cost (\$)	Initial Cost (\$)	
Installation depth >6'<=10'					
36" diameter RCP pipe	LF	3,018	493	1,487,874	
Subtotal				1,487,874	
Contingency			40%	595,150	
Total Construction Cost				2,083,024	
Engineering			15%	312,454	
Total Initial Cost				2,395,478	

*All dollar values displayed to the nearest whole dollar amount.

Table 15 – Project #5 Opinion of Probable Costs

Village of Lincolnwood Stormwater Modeling Project					
ITEM	Units	Quantity	Unit Cost (\$)	Initial Cost (\$)	
18" diameter RCP pipe	LF	1,500	242	363,000	
60" diameter RCP pipe	LF	552	845	466,440	
Subtotal				829,440	
Contingency			40%	331,776	
Total Construction Cost				1,161,216	
Engineering			15%	174,182	
Total Initial Cost				1,335,398	

*All dollar values displayed to the nearest whole dollar amount.

Table 16 – Project #6 Opinion of Probable Costs

Village of Lincolnwood Stormwater Modeling Project				
PROJECT #6 CONCEPTUAL LEVEL COST ESTIMATE				
ITEM	Units	Quantity	Unit Cost (\$)	Initial Cost (\$)
Installation depth >4'<=6'				
21" diameter RCP pipe	LF	533	249	132,717
30" diameter RCP pipe	LF	625	400	250,000
Installation depth >6'<=10'				
21" diameter RCP pipe	LF	50	272	13,600
30" diameter RCP pipe	LF	295	427	125,965
36" diameter RCP pipe	LF	360	486	174,960
Subtotal				697,242
Contingency			40%	278,897
Total Sewer Construction Cost				976,139
Detention Pond	gal	1,460,000	\$0.35	511,000
Total Construction Cost				1,487,139
Engineering			15%	223,071
Total Initial Cost				1,710,210

*All dollar values displayed to the nearest whole dollar amount.

Note: Costs do not include land acquisition.

Table 17 – Project #7 Opinion of Probable Costs

Village of Lincolnwood Stormwater Modeling Project				
PROJECT #7 CONCEPTUAL LEVEL COST ESTIMATE				
ITEM	Units	Quantity	Unit Cost (\$)	Initial Cost (\$)
Installation depth >6'<=10'				
24" diameter RCP pipe	LF	402	294	118,188
36" diameter RCP pipe	LF	330	486	160,380
Subtotal				278,568
Contingency			40%	111,427
Total Construction Cost				389,995
Engineering			15%	58,499
Total Initial Cost				448,494

*All dollar values displayed to the nearest whole dollar amount.

Table 18 – Project #8 Opinion of Probable Costs

Village of Lincolnwood Stormwater Modeling Project					
PROJECT #8 CONCEPTUAL LEVEL COST ESTIMATE					
ITEM	Units	Quantity	Unit Cost (\$)	Initial Cost (\$)	
60" RCP pipe	LF	331	1,206	399,186	
72" RCP pipe	LF	657	1,220	801,540	
Subtotal				1,200,726	
Contingency			40%	480,290	
Total Construction Cost				1,681,016	
Engineering			15%	252,152	
Total Initial Cost				1,933,168	

*All dollar values displayed to the nearest whole dollar amount.

Table 19 – Project #9.1 Opinion of Probable Costs

Village of Lincolnwood Stormwater Modeling Project				
PROJECT #9.1 CONCEPTUAL LEVEL COST ESTIMATE				
ITEM	Units	Quantity	Unit Cost (\$)	Initial Cost (\$)
24" Pipe	LF	83	253	20,999
36" Pipe	LF	4,603	472	2,172,616
42" Pipe	LF	2,460	578	1,421,880
48" Pipe	LF	669	615	411,435
60" Pipe	LF	3628	859	3,116,452
Subtotal				7,143,382
Contingency			40%	2,857,353
Total Construction Cost				10,000,735
Engineering			15%	1,500,110
Total Initial Cost				11,500,845

*All dollar values displayed to the nearest whole dollar amount.

Table 20 – Project #9.2 Opinion of Probable Costs

Village of Lincolnwood Stormwater Modeling Project					
PROJECT #9.2 CONCEPTUAL LEVEL COST ESTIMATE					
ITEM	Units	Quantity	Unit Cost (\$)	Initial Cost (\$)	
24" Pipe	LF	83	253	20,999	
36" Pipe	LF	2,717	479	1,301,443	
42" Pipe	LF	2,383	551	1,313,033	
48" Pipe	LF	719	626	450,094	
60" Pipe	LF	1975	806	1,591,850	
Subtotal				4,677,419	
Contingency			40%	1,870,968	
Total Sewer Construction Cost				6,548,387	
96" Storage Pipe	LF	7,086	1,092	7,737,912	
Total Construction Cost				14,286,299	
Engineering			15%	2,142,945	
Total Initial Cost				16,429,244	

*All dollar values displayed to the nearest whole dollar amount.

Table 21 – Project #9.3 Opinion of Probable Costs

Village of Lincolnwood Stormwater Modeling Project					
PROJECT #9.3 CONCEPTUAL LEVEL COST ESTIMATE					
ITEM	Units	Quantity	Unit Cost (\$)	Initial Cost (\$)	
24" Pipe	LF	83	253	20,999	
36" Pipe	LF	2,717	479	1,301,443	
42" Pipe	LF	2,383	551	1,313,033	
48" Pipe	LF	719	626	450,094	
60" Pipe	LF	1975	806	1,591,850	
Subtotal				4,677,419	
Contingency			40%	1,870,968	
Total Sewer Construction Cost				6,548,387	
Detention Pond	gal	4,712,400	0.35	1,649,340	
Total Construction Cost				8,197,727	
Engineering			15%	1,229,659	
Total Initial Cost				9,427,386	

*All dollar values displayed to the nearest whole dollar amount.

5.4 S SUPPLEMENTAL ANALYSES

During the course of the study, two supplemental analyses were conducted. The Crawford Storm Sewer study was required to provide assurance to the Village Skokie that discharging storm runoff to a sewer being constructed along Crawford would not negatively impact their system. The July 23rd analysis was conducted in response to the storm that occurred this year, which raised concerns regarding the validity of the model. These two analyses have been included in their entireties.

5.4.1 C RAWFORD STORM SEWER

5.4.1.1 Summary of Results

We have completed the hydraulic evaluation of the Skokie sewer and the impacts of increasing the proposed 18-in restrictor. Table 22 summarizes the impact a range of increases in restrictor size has on the Howard Avenue storm sewer. Sewer profiles including the peak hydraulic grade line (HGL) of the Crawford Avenue sewer to the Howard Avenue outfall for the various scenarios are also included. (See Table 23.)

The XP-SWMM model indicates that the Howard Avenue sewer has adequate capacity to accommodate the 10-year flows from Crawford Avenue as planned, using an 18” restrictor (Figure 25). With a restrictor of this size, the additional flow from Crawford Avenue raises the peak water level of the Howard Avenue sewer only 0.68’ above existing conditions. Increasing the size of the restrictor to 25.5 inches increases its discharge rate by 30%, at which point the downstream Crawford Avenue sewer is approaching full pipe capacity, while the Howard Avenue sewer has available capacity (Figure 28). The capacity of the Crawford Avenue sewer appears to be what determines the maximum allowable restrictor discharge, not the Howard Avenue sewer.

5.4.1.2 Evaluation Methodology

The Howard Avenue sewer model was originally developed for the Federal Highway Administration (FHWA). The Village of Skokie provided the model to Water Resources Modeling, LLC. for this analysis, Water Resources Modeling, LLC. converted this model to XP-SWMM. Table 24 compares the results of the original and XP-SWMM models.

The model was initially run by Donohue using the configuration provided by Water Resources Modeling, LLC.. The model was then re-run using the 10-Year SCS Type II storm which produced slightly less flows and lower hydraulic grade lines (HGLs) than the original model predicted (Figure 1). Next, the Crawford Avenue sewer was added and the model was re-run. This verified that the Crawford

Avenue sewer was operating as the Cook County Highway Department intended (Figure 25). Table 25 lists peak flows in the Crawford Avenue and Howard Avenue sewers for each system configuration. The highlighted column is the recommended alternative.

Finally, the model was merged with the complete Lincolnwood model including 2D overland flow (Figure 26). This model included all recommended system improvements, including in-line storage along Jarvis Avenue, to accurately predict the volume of storage required along Jarvis Avenue for a range of restrictor sizes.

Next, a series of simulations were run where the size of the restrictor was increased to 20”, 22” and 25.5”, thereby increasing its area by 20%, 50%, and 100% respectively and resulting in discharges of 18 millions of gallons day (mgd), 19 mgd, and 21 mgd respectively. The orifice was not enlarged any further because at

25.5””, the Crawford Avenue sewer downstream of the restrictor was reaching its capacity. Under the last scenario, with the 25.5” restrictor, the Howard Avenue sewer had capacity remaining.

While the orifice equation stipulates that discharge is linearly dependent on orifice area, this turned out to not be the case because the orifice does not flow freely. Increases in flows through the orifice caused increases in the downstream water surface elevation, reducing the orifice’s discharge as compared to what it would be under free discharge conditions.

5.4.1.3 Jarvis Avenue Box Culvert Sizing & Pricing

In order to provide basement flood protection for the area indicated in Figure 29, Donohue recommends installing in-line storage along Jarvis Avenue. The volume of in-line storage required is dependent upon the size and release rate of the restrictor on Crawford Avenue.

Using the XP-SWMM model, Donohue ran the 10-year design storm for each of the three restrictor sizes to assess how increasing the restrictor impacts the required storage volume. Hydrographs of the flow exiting the proposed Jarvis Avenue sewer are provided in Figure 30. The peak flow exiting the Jarvis Avenue sewer increases with increasing restrictor size.

Table 26 summarizes the required storage volumes, sizes, and costs resulting from the three restrictor sizes. Increasing the restrictor size does not significantly reduce the required Jarvis Avenue storage volume and does not reduce the size or cost of this storage. There are several reasons for this, the primary reason being that during a 10-year storm, runoff enters the Jarvis Avenue sewer at a rate so much faster than the restrictor can pass it, that only a small percentage of the runoff passes through the restrictor while the pipe is filling; the flow which the restrictor does not pass during this time must be stored. Furthermore, 60% of the additional discharge capacity a larger restrictor allows is taken by flows from the Crawford Avenue sewer. Finally, a small portion of the flow from the Crawford Avenue sewer backs up into the Jarvis Avenue sewer early in the event, however this volume is relatively small and does not affect the size of the proposed sewer. Therefore increasing the restrictor size does not significantly reduce the required storage volume.

5.4.1.4 Adjacent Flood-Prone Area

There is an area bounded by Crawford Avenue, Hamlin Avenue, Jarvis Avenue, and Touhy Avenue that is particularly flood-prone (Figure 31). The existing combined sewers here are shallow and undersized. Donohue is evaluating alternatives to provide a greater level of protection from flooding for this area within the context of the Village-wide stormwater management program. Alternatives include installing inlet restrictions and surface storage containment berms to maximize utilization of available surface storage while limiting flows into the combined sewer system to what it can safely convey. In addition, Donohue is currently considering conveying a portion of the surface runoff to the proposed storm sewers at Jarvis Avenue and Crawford Avenue. While this modification is currently under evaluation, it is not anticipated that this improvement will affect the sizing of the Crawford Avenue or Jarvis Avenue sewers.

5.4.1.5 Summary & Recommendations

Donohue recommends that Lincolnwood request that the County provide a 36” stub extending to the west side of the Crawford Avenue project limits at Jarvis Avenue. In light of the more robust model results, Donohue recommends that Lincolnwood not request that Skokie increase the restrictor above 18”. Doing so does not reduce the size of the in-line storage required along Jarvis Avenue. However, installing the recommended in-line storage at Jarvis Avenue and connecting it to the County storm sewer at Crawford Avenue provides the following benefits:

- Basement flood protection for up to the 10-year rainfall event for the area highlighted in Figure 6 by storing excess storm runoff that would otherwise overload the combined sewer system
- Discharging the proposed Jarvis Avenue sewer into the Crawford Avenue storm sewer diverts 9 mgd of flow away from the combined sewer system, providing a higher level of protection from basement backups for the region
- Discharging to the Crawford Avenue storm sewer will keep storm runoff out of Lincolnwood's combined sewer system, thereby reducing combined sewer overflows containing raw sewage into area waterways

Table 22 – Hydraulic Evaluation Summary

Scenario	Restrictor Size (In)	Peak Restrictor Discharge (mgd)	Peak HGL* (ft)	Avg Increase In Peak HGL* (ft)	Minimum Freeboard** (ft)	Jarvis Sewer Description
Existing Conditions (10 Year HYDRAIN Conversion)	NA	0	592.55	0.77	5.55	NA
Existing Conditions (10 Year SCS Storm)	N/A	0	591.78	0***	6.54	NA
Crawford storm sewer added, no surface storage	18	13.52	592.45	0.68	5.72	NA
Crawford storm sewer added, with surface storage	18	19.62	592.49	0.72	5.65	NA
Crawford & Jarvis storm sewers added, with surface storage	18	16.40	592.34	0.57	5.84	First 500' is 36" RCP followed by 2300 ft of 3'x6' Box Culvert (X2)
Crawford & Jarvis storm sewers added, with surface storage	20	17.85	592.41	0.63	5.77	First 500' is 36" RCP followed by 2300 ft of 3'x6' Box Culvert (X2)
Crawford & Jarvis storm sewers added, with surface storage	22	19.30	592.48	0.71	5.69	First 500' is 36" RCP followed by 2300 ft of 3'x6' Box Culvert (X2)
Crawford & Jarvis storm sewers added, with surface storage	25.5	21.20	592.58	0.81	5.62	First 500' is 36" RCP followed by 2300 ft of 3'x6' Box Culvert (X2)

* Intersection of Howard & Crawford
 ** Critical Manhole is DS of Crawford/Howard Connection
 *** Baseline condition.

Table 23 – Summary of Sewer Profile Configurations

Figure	Configuration
Figure 1	Existing Conditions
Figure 2	Proposed Crawford Sewer Added, 18" Restrictor
Figure 3	Crawford & Jarvis Storm Sewers Added, 2D Flows, 18" Restrictor
Figure 4	Crawford & Jarvis Storm Sewers Added, 2D Flows, 22" Restrictor
Figure 5	Crawford & Jarvis Storm Sewers Added, 2D Flows, 25.5" Restrictor

Table 24 – Howard Avenue Storm Sewer Model Conversion Results

Pipe Flow (cfs) Hydrain					Pipe Flow (cfs) XP-SWMM					Pipe Flow Comparison				
15-min	30-min	60-min	120-min	Max	15-min	30-min	60-min	120-min	Max	15-min	30-min	60-min	120-min	Max
0.80	0.54	0.35	0.22	0.80	1.11	1.19	0.95	0.65	1.19	27.6%	54.8%	63.2%	66.3%	33.0%
7.18	4.89	3.11	1.96	7.18	7.91	7.75	6.46	4.99	7.91	9.2%	36.9%	51.8%	60.7%	9.2%
9.83	6.70	4.26	2.68	9.83	9.69	9.81	8.85	6.78	9.81	-1.4%	31.7%	51.9%	60.4%	-0.2%
13.50	9.40	5.98	3.76	13.50	12.80	13.56	12.30	9.36	13.56	-5.5%	30.7%	51.4%	59.8%	0.4%
16.35	11.99	7.63	4.80	16.35	15.43	16.89	15.52	11.90	16.89	-6.0%	29.0%	50.8%	59.7%	3.2%
16.69	12.22	7.77	4.89	16.69	15.38	17.02	15.69	12.08	17.02	-8.5%	28.2%	50.5%	59.5%	1.9%
18.81	14.74	9.38	5.90	18.81	16.96	19.02	17.78	14.08	19.02	-10.9%	22.5%	47.3%	58.1%	1.1%
20.32	16.46	10.47	6.59	20.32	17.15	19.48	18.54	15.29	19.48	-18.5%	15.5%	43.5%	56.9%	-4.3%
19.91	18.78	11.95	7.51	19.91	18.27	21.04	20.26	17.00	21.04	-9.0%	10.7%	41.0%	55.8%	5.4%
21.02	21.24	13.53	8.51	21.24	19.64	22.94	22.30	18.95	22.94	-7.0%	7.4%	39.3%	55.1%	7.4%
21.61	23.36	14.94	9.40	23.36	20.64	24.42	24.07	20.63	24.42	-4.7%	4.3%	37.9%	54.4%	4.3%
21.88	25.90	16.67	10.48	25.90	21.53	25.78	25.77	22.19	25.78	-1.6%	-0.5%	35.3%	52.8%	-0.5%
22.87	28.07	18.28	11.49	28.07	23.00	27.70	27.91	24.14	27.91	0.6%	-1.3%	34.5%	52.4%	-0.6%
23.86	30.33	20.02	12.59	30.33	24.54	29.77	30.25	26.32	30.25	2.8%	-1.9%	33.8%	52.2%	-0.3%
24.21	32.25	21.77	13.69	32.25	26.20	31.97	32.59	28.44	32.59	7.6%	-0.9%	33.2%	51.9%	1.0%
24.01	33.39	22.68	14.26	33.39	26.81	32.61	33.57	29.55	33.57	10.4%	-2.4%	32.4%	51.7%	0.5%

Table 25 – Peak Pipe Flows (10-Year SCS Type II Storm)

		Scenario					
Location	XP-SWMM Link Name	1-D Skokie System w/ 10yr SCS 24hr Storm Q _{max} (cfs)	1-D Crawford Sewer Only Q _{max} (cfs)	2-D Jarvis + Crawford Sewers 18 inch Orifice Q _{max} (cfs)	2-D Jarvis + Crawford Sewers 20 inch Orifice Q _{max} (cfs)	2-D Jarvis + Crawford Sewers 22 inch Orifice Q _{max} (cfs)	2-D Jarvis + Crawford Sewers 25.5 inch Orifice Q _{max} (cfs)
Crawford	Link1856	5.2	25.6	27.2	29.6	32.0	35.0
	Link1857	9.0	29.0	28.6	31.1	33.6	36.6
Howard from Crawford to the North Shore Channel	Link1844	34.7	53.5	50.2	52.1	54.1	56.8
	L50	36.2	54.8	51.4	53.4	55.4	58.0
	L47	37.7	56.3	52.8	54.7	56.7	59.4
	Link1847	40.5	58.9	55.4	57.3	59.3	61.9
	Link1848	43.2	61.4	57.9	59.8	61.7	64.4
	Link1859	45.7	63.8	60.3	62.2	64.0	66.6
	Link1858	45.7	63.8	60.3	62.2	64.0	66.6
	L27	48.3	66.2	62.7	64.6	66.4	68.9
	L28	48.3	66.2	62.7	64.6	66.4	69.0
	L31	48.4	66.3	62.8	64.6	66.5	69.0
	L34	48.4	66.3	62.8	64.6	66.5	69.0
	L37	48.4	66.3	62.8	64.6	66.5	69.0
	L13	50.4	68.1	64.6	66.4	68.3	70.8
	L9	50.4	68.1	64.6	66.5	68.3	70.8
	L5	50.4	68.1	64.6	66.5	68.3	70.8
	L3	50.4	68.1	64.6	66.4	68.3	70.8
	L2	50.4	68.1	64.6	66.4	68.3	70.8
	L15	50.4	68.1	64.6	66.5	68.3	70.8
	L1	50.4	68.1	64.6	66.4	68.3	70.8
L22	50.5	68.2	64.7	66.5	68.3	70.8	
L23	50.5	68.2	64.7	66.5	68.4	70.9	

Table 26 – Jarvis Sewer Sizing & Cost

Restrictor Size (in)	Peak Jarvis Sewer Discharge (mgd)	Peak Restrictor Discharge (mgd)	Jarvis Sewer Volume (MG)	Recommended Sewer Size	Approximate Sewer Cost
18	9.1	16.4	0.62	2300 L.F. of parallel 3' X 6' Box Culvert	\$2,000,000
22	10.2	19.3	0.60	2300 L.F. of parallel 3' X 6' Box Culvert	\$2,000,000
25.5	11.0	21.2	0.57	2300 L.F. of parallel 3' X 6' Box Culvert	\$2,000,000

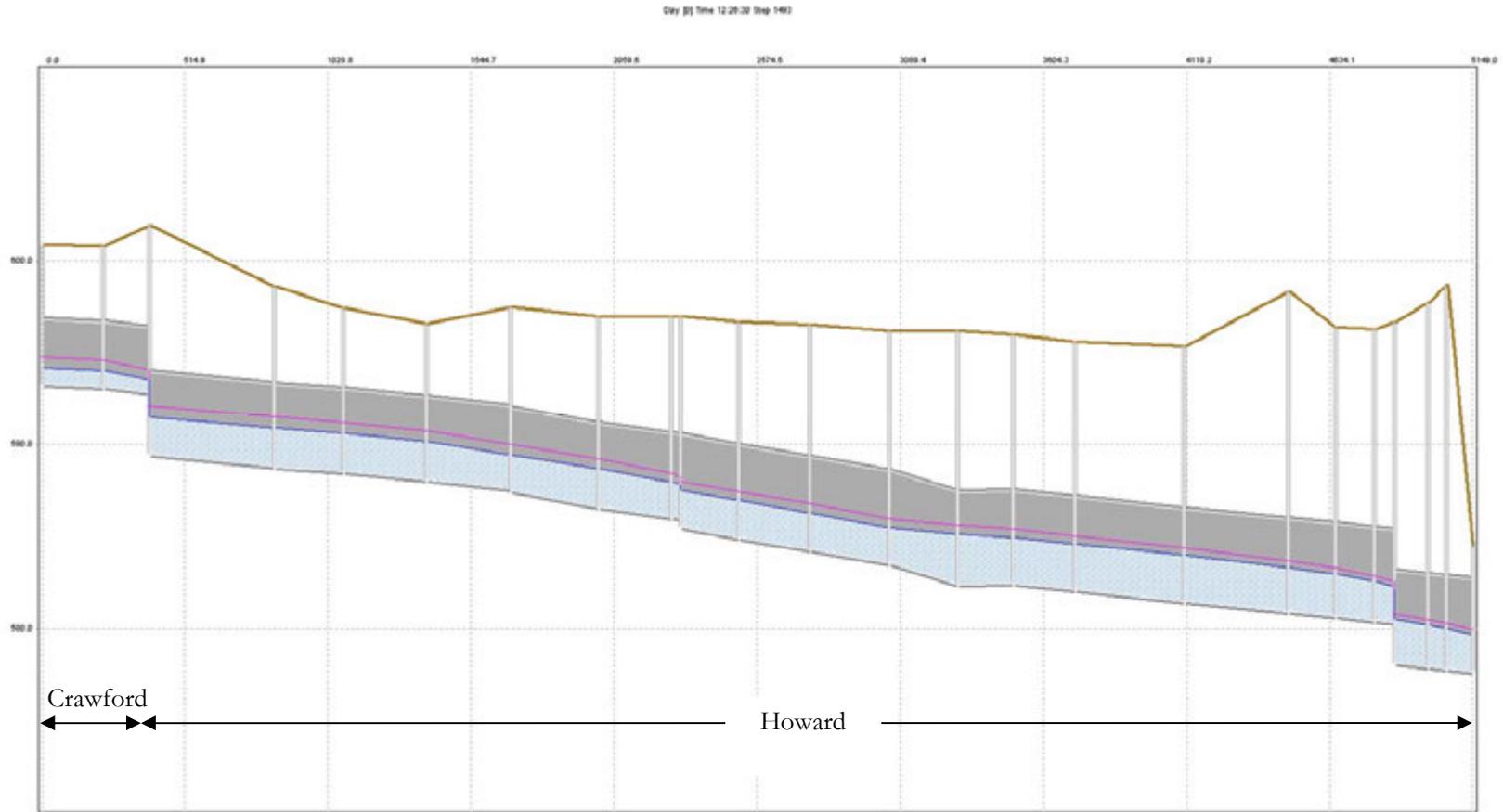


Figure 24 – Existing Conditions

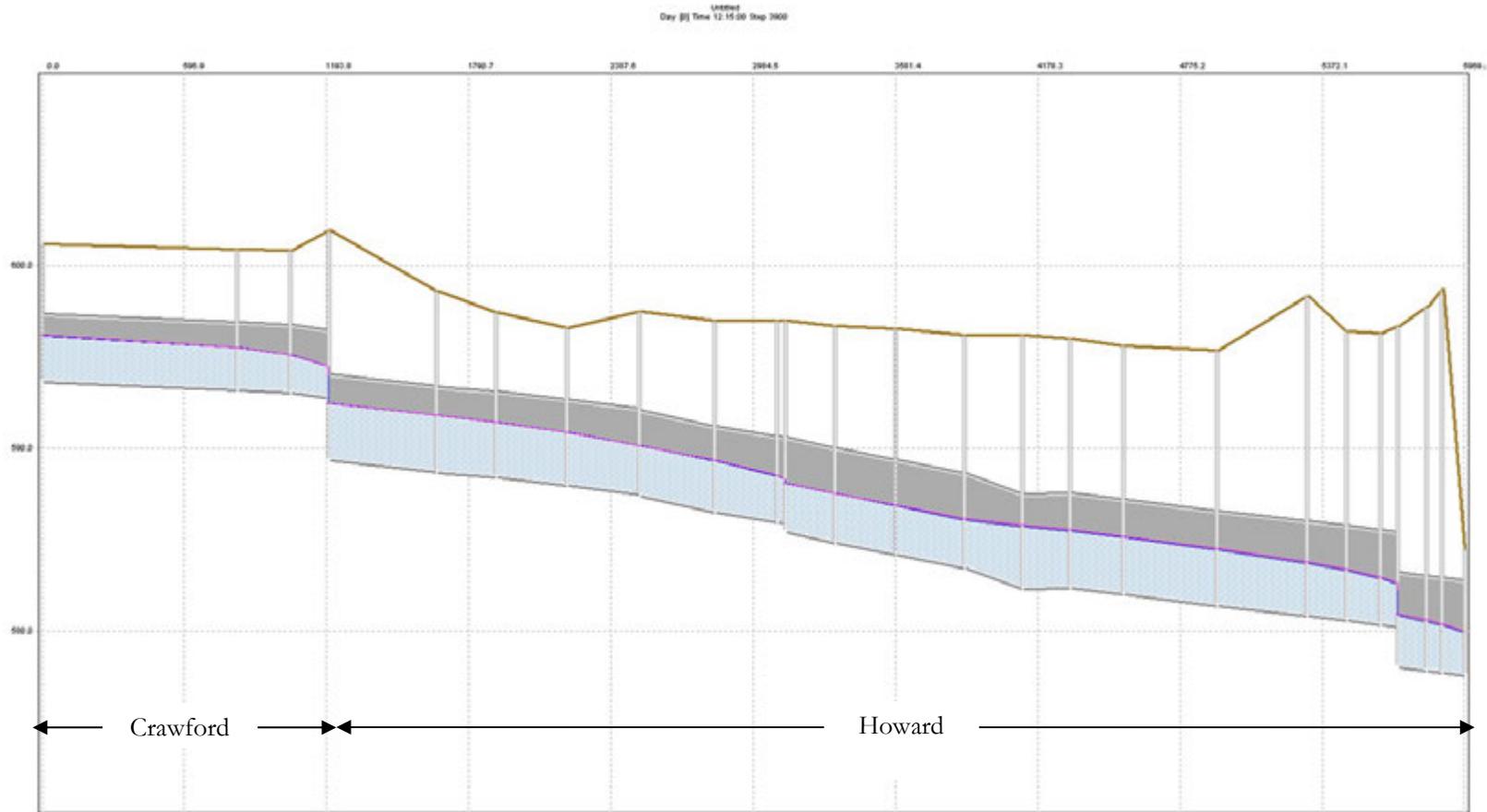


Figure 25 – Proposed Crawford Sewer Added, No Surface Storage Modeled

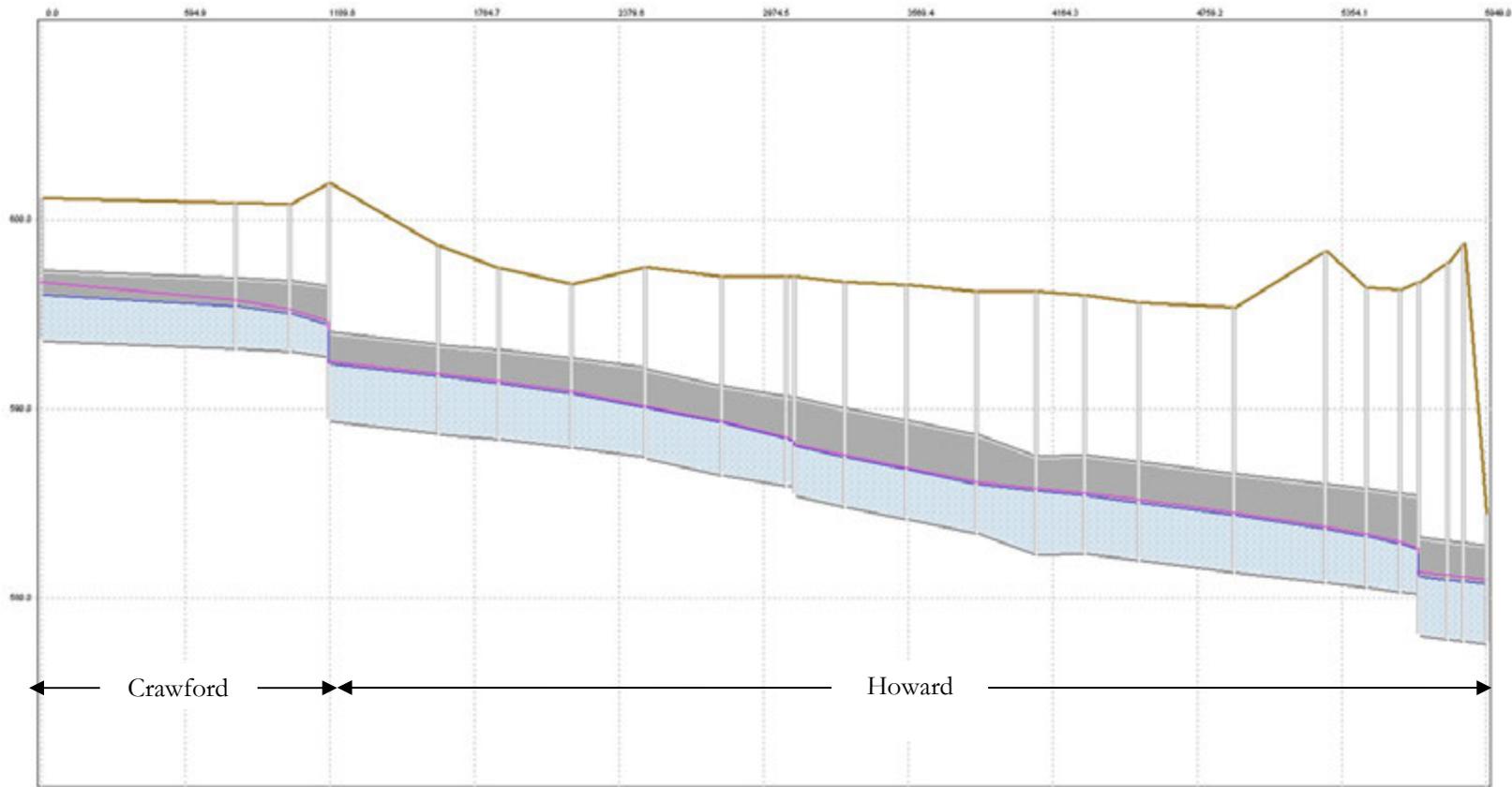


Figure 26 – Proposed Crawford and Jarvis Storm Sewers Added, Surface Storage Modeled with 18” Restrictor

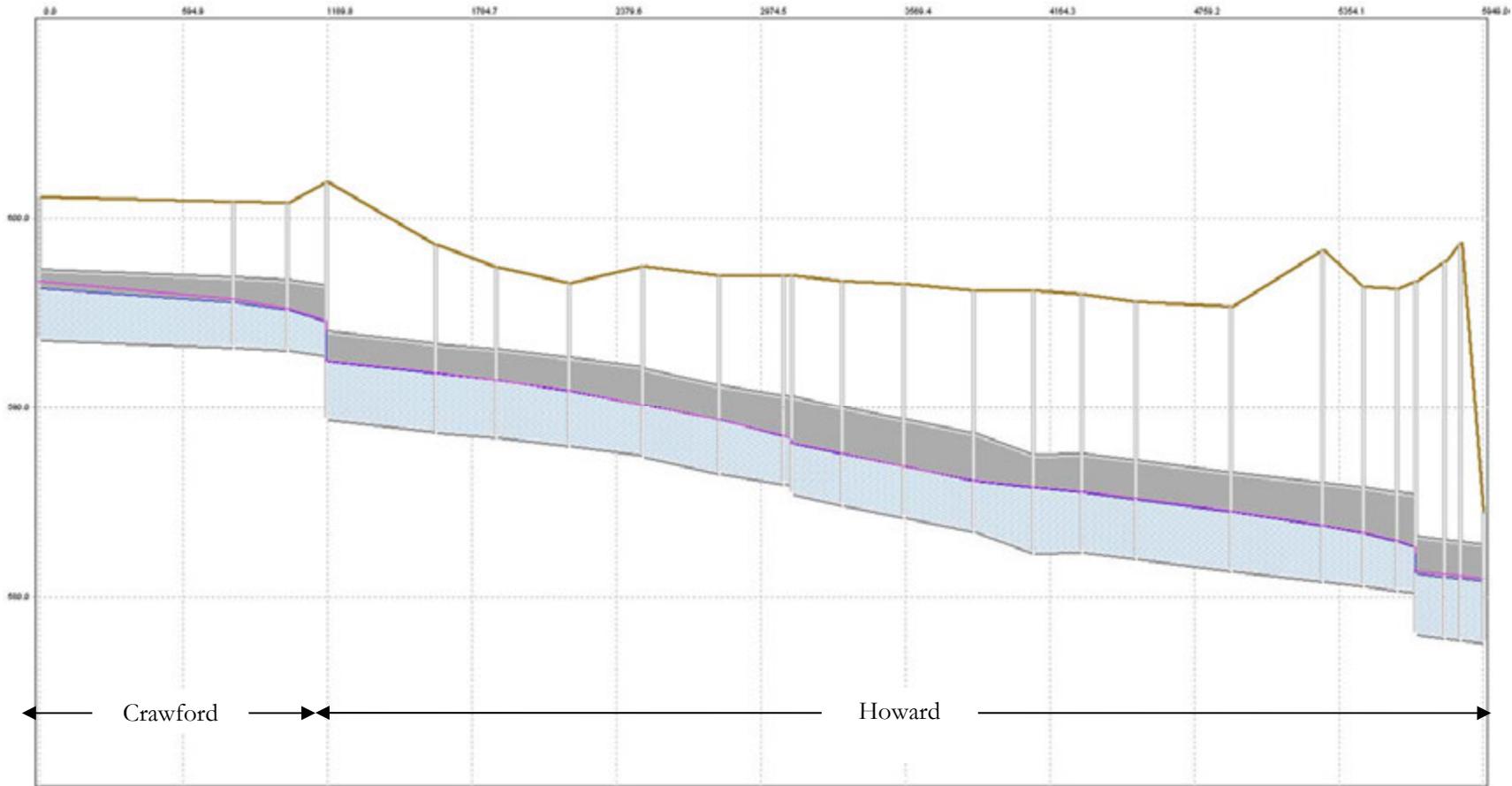


Figure 27 – Proposed Crawford and Jarvis Storm Sewers Added, Surface Storage Modeled with 22” Restrictor

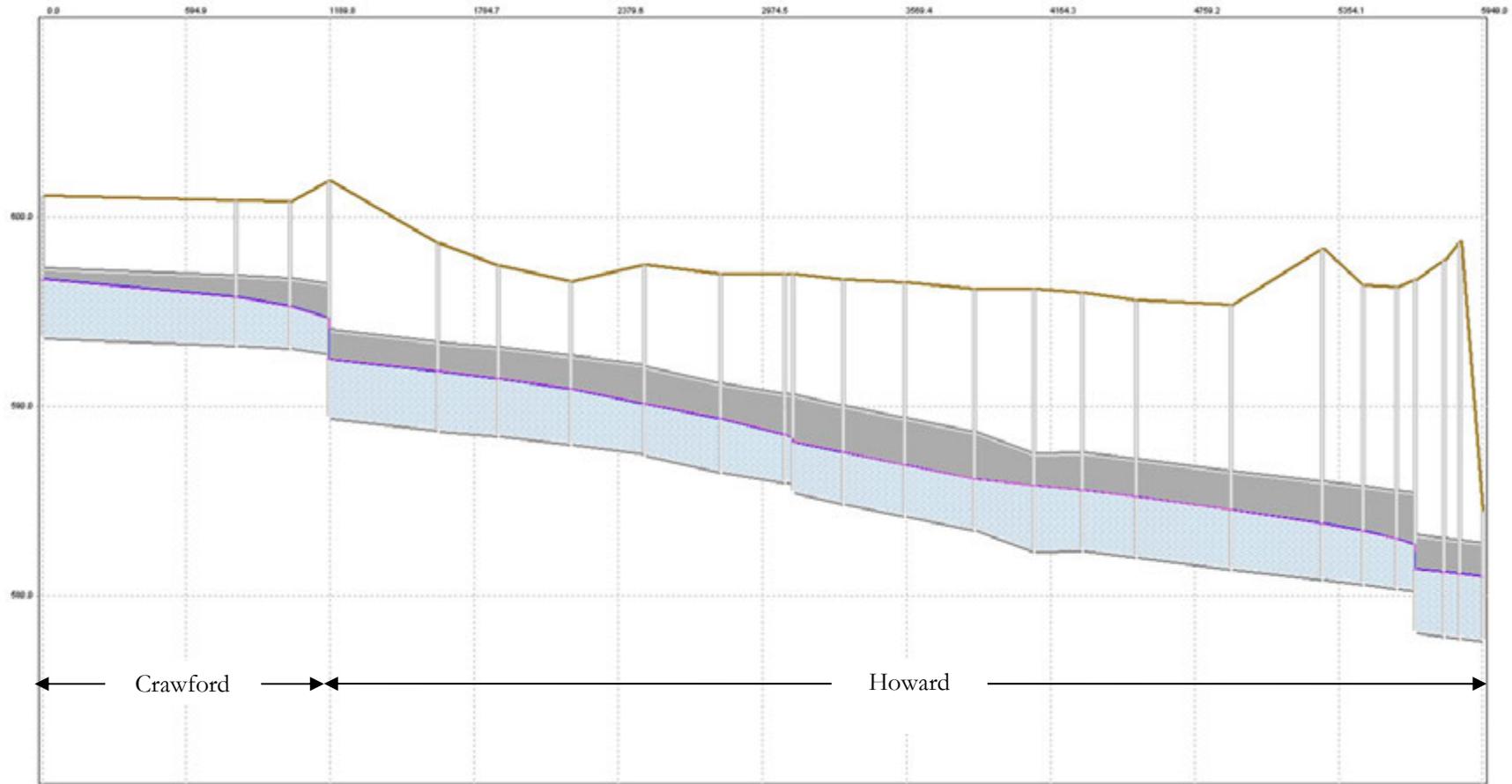


Figure 28 – Proposed Crawford and Jarvis Storm Sewers Added, Surface Storage Modeled with 25.5” Restrictor

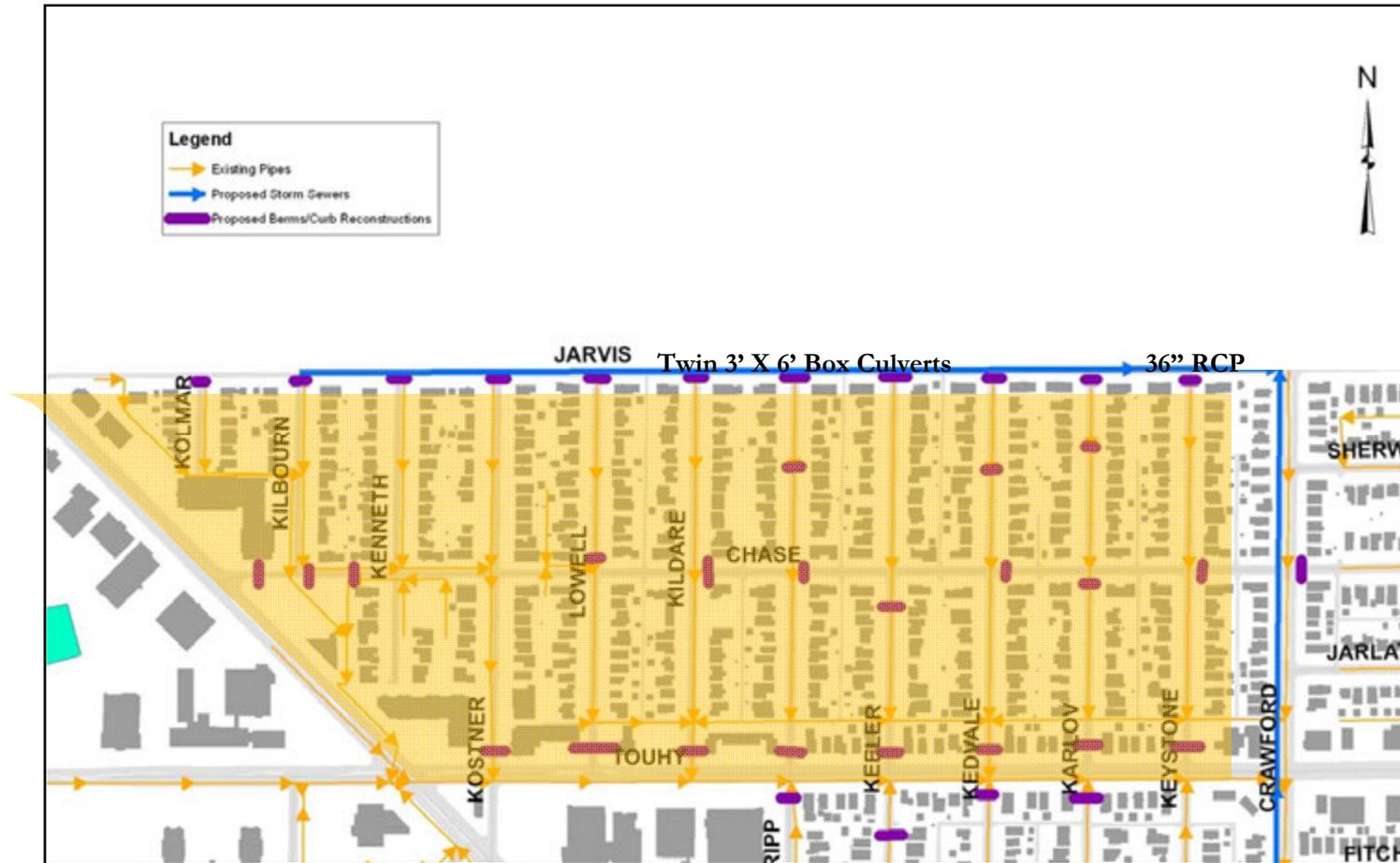


Figure 29 – Proposed Jarvis Sewer Location Map

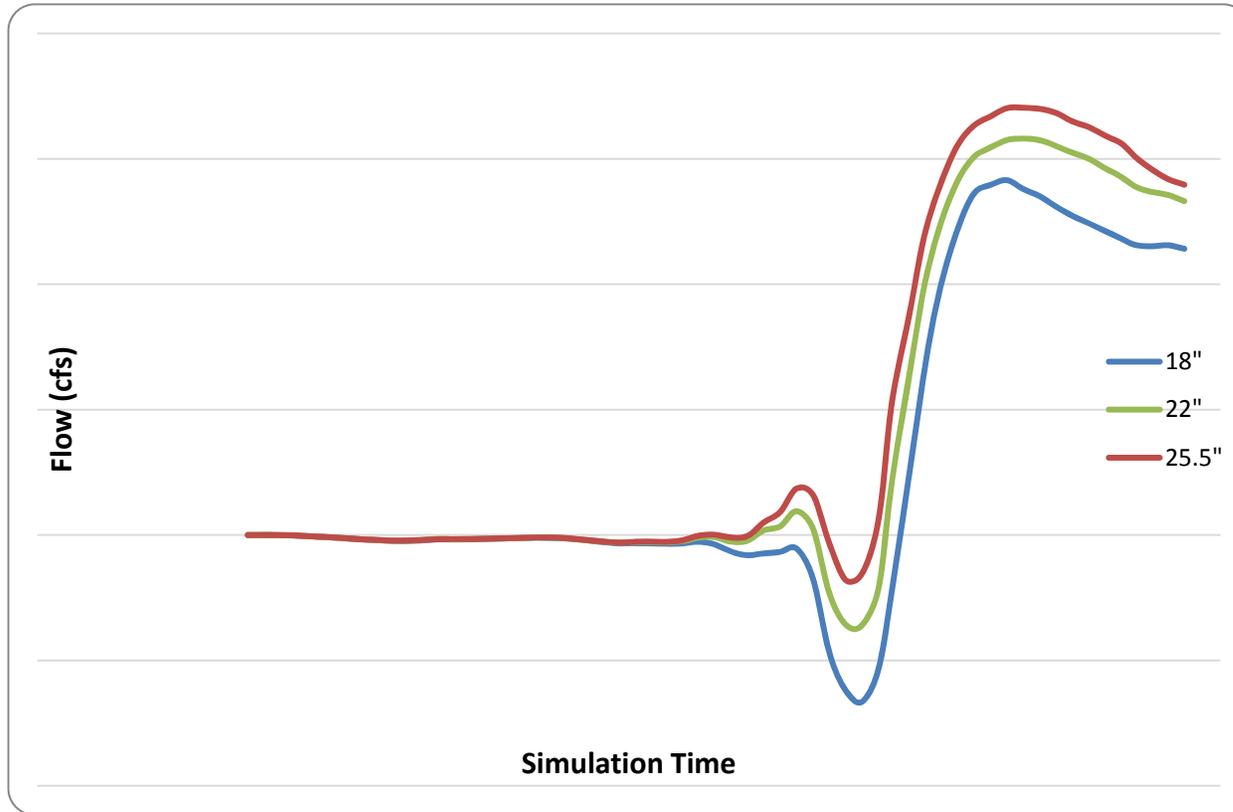


Figure 30 – Proposed Jarvis Sewer Discharge Hydrographs

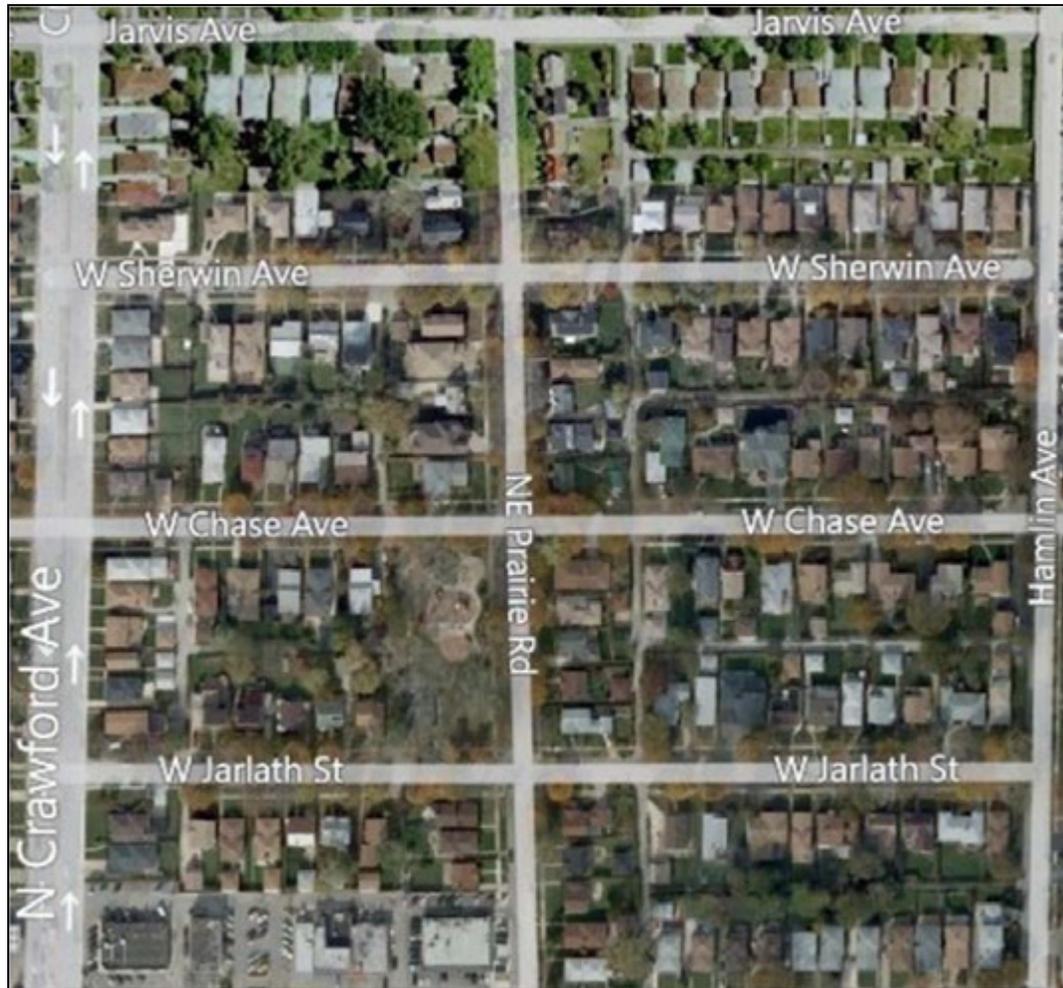


Figure 31 – Adjacent Flood-Prone Area

5.4.2 JULY 23, 2011 STORM

5.4.2.1 July 23, 2011 Storm

On July 23, 2011 the Village encountered a rain event in which 3.10” of rain fell. The Village received very few calls regarding flooding and/or basement back-ups as a result of the event. When evaluating the rainfall data from July 23, 2011 the following storm categories should be used to understand the severity of the event:

Table 27 – July 23rd Rainfall Frequency Table

<u>Period of Time</u>	<u>Amount of Rainfall</u>	<u>Storm Category</u>
<u>5 minutes</u>	<u>0.35 inches</u>	<u>1 to 2 year</u>
<u>10 minutes</u>	<u>0.54 inches</u>	<u>~1 year</u>
<u>15 minutes</u>	<u>0.68 inches</u>	<u>1 year</u>
<u>30 minutes</u>	<u>1.07 inches</u>	<u>1 to 2 year</u>
<u>1 hour</u>	<u>1.46 inches</u>	<u>~2 year</u>
<u>2 hour</u>	<u>2.51 inches</u>	<u>5 to 10 year</u>
<u>3 hour</u>	<u>2.72 inches</u>	<u>5 to 10 year</u>
<u>6 hour</u>	<u>3.10 inches</u>	<u>5 to 10 year</u>

The Village’s stormwater model indicates that the Village’s time of concentration for a rain event is less than 1 hour for 97% of the community. Time of concentration is a measurement used to describe how a watershed (area of land where all rainfall runs off of to the same place) responds to a rain event. Therefore, when evaluating a rain event within Lincolnwood, the peak one-hour period is the critical rainfall period to review in order to understand how a given rain event affects the Village’s combined sewer system.

5.4.2.2 Discussion Regarding Time of Concentration

The time of concentration (t_c) is a concept used in hydrology to measure the response of a watershed to a rain event. It is defined as the time needed for water to flow from the most remote point in a watershed to the watershed outlet. It is a function of the topography, geology, and land use within the watershed.

Figure 32 shows the basic principle which leads to determination of the time-of-concentration. Much like a topographic map showing lines of equal elevation, a map with isolines can be constructed to show locations with the same travel time to the watershed outlet. In this simplified example, the watershed outlet is located at the bottom of the picture with a stream flowing through it. The time-of-concentration (t_c) for this watershed is 75 minutes. This is the time for a drop of water that falls on the most remote (upper) part of the watershed to reach the outlet. Moving up the map, we can say that rainfall which lands on all of the places along the first yellow line will take 5 minutes (75 – 70) to reach the watershed outlet. Water that falls on the next line will take 15 minutes (75-60) to reach the outlet. This is true for every yellow line, with each line further away from the outlet corresponding to a greater travel time for runoff traveling to the outlet, until one reaches the uppermost boundary of the watershed, where it will take 75 minutes for rain falling on this boundary to reach the outlet.

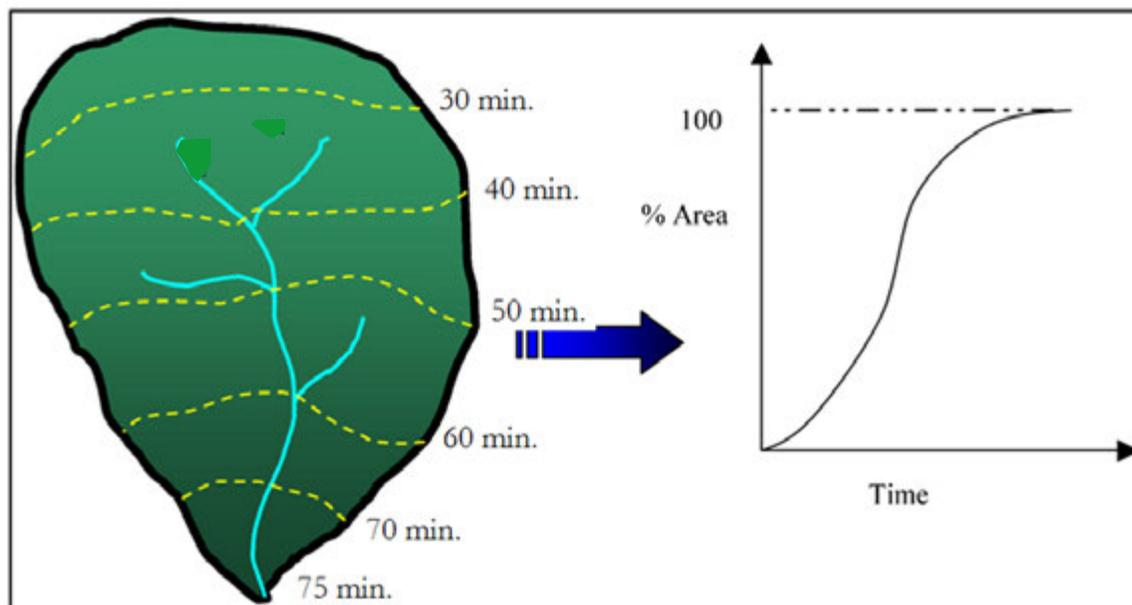


Figure 32 – Time-of-Concentration

As the graph on the right above shows, the spatial representation of travel times can be transformed into a cumulative distribution plot detailing how travel times are distributed throughout the area of the watershed. In other words, as the size of the upstream, or tributary, watershed increases, so does t_c .

5.4.2.3 Lincolnwood’s Combined Sewer System

Based on the stormwater model results the Village’s collection system has adequate capacity to convey the peak flows produced by a 2-3 year rainfall event with minimal basement backups. The peak one-hour rainfall during the storm of July 23, 2011 was approximately a 2-year event (Table 27). This explains why there were little to no reports of basement backups during the event.

Donohue has run the July 23, 2011 storm through the model, which showed only a minor risk of basement backups in a few isolated areas (Figure 33). The model results appear to be representative of the real life event in that little to no calls were received regarding basement back-ups. The July 23, 2011 storm is a “threshold event”, meaning that it just begins to reach the threshold where isolated basement flooding is imminent. When evaluating the results in Figure 33, one must know that the model presumes all homes have basements and no homes have flood protection. In addition, the depth of water that would back up into basements would be small, much of which would likely go unreported. The model also presumes the rainfall recorded at the rain gauge fell uniformly over the entire watershed, when in fact it may have varied in timing and intensity. Due to these limitations, the model should not be expected to perfectly predict the system response to this threshold event, yet it does so reasonably well.

Figure 39 indicates the t_c for each pipe within the Lincolnwood collection system. Since larger pipes tend to be further downstream and drain larger areas, the t_c generally increases with pipe diameter. This map is summarized in the cumulative distribution (Figure 38) which indicates that 97% of the Lincolnwood collection system has a t_c of less than 60 minutes.

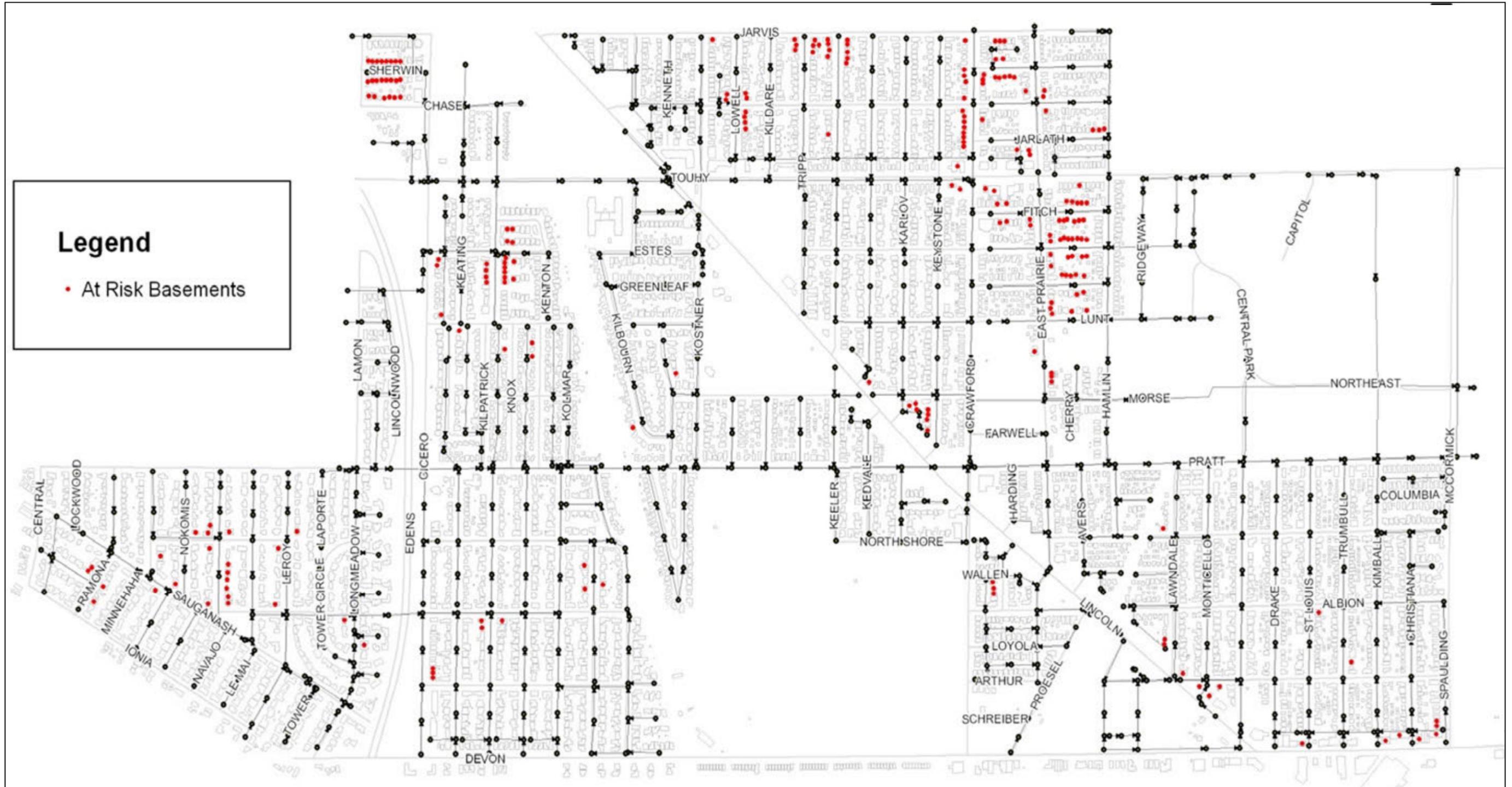


Figure 33 – July 23rd, 2011 Model Results



Figure 34 – July 23, 2011 Model Results (NW Quadrant)

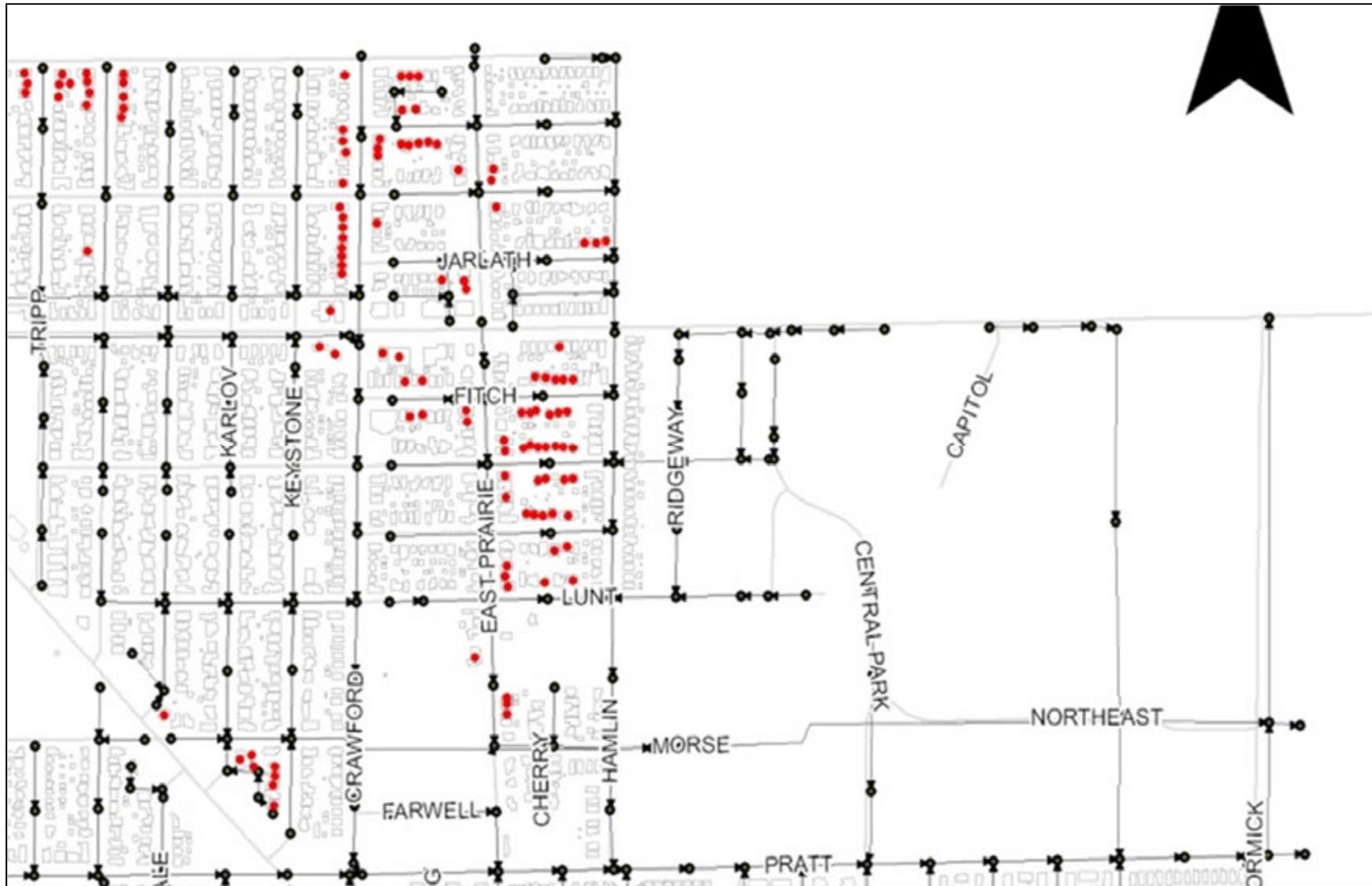


Figure 35 – July 23, 2011 Model Results (NE Quadrant)



Figure 36 – July 23, 2011 Model Results (SW Quadrant)

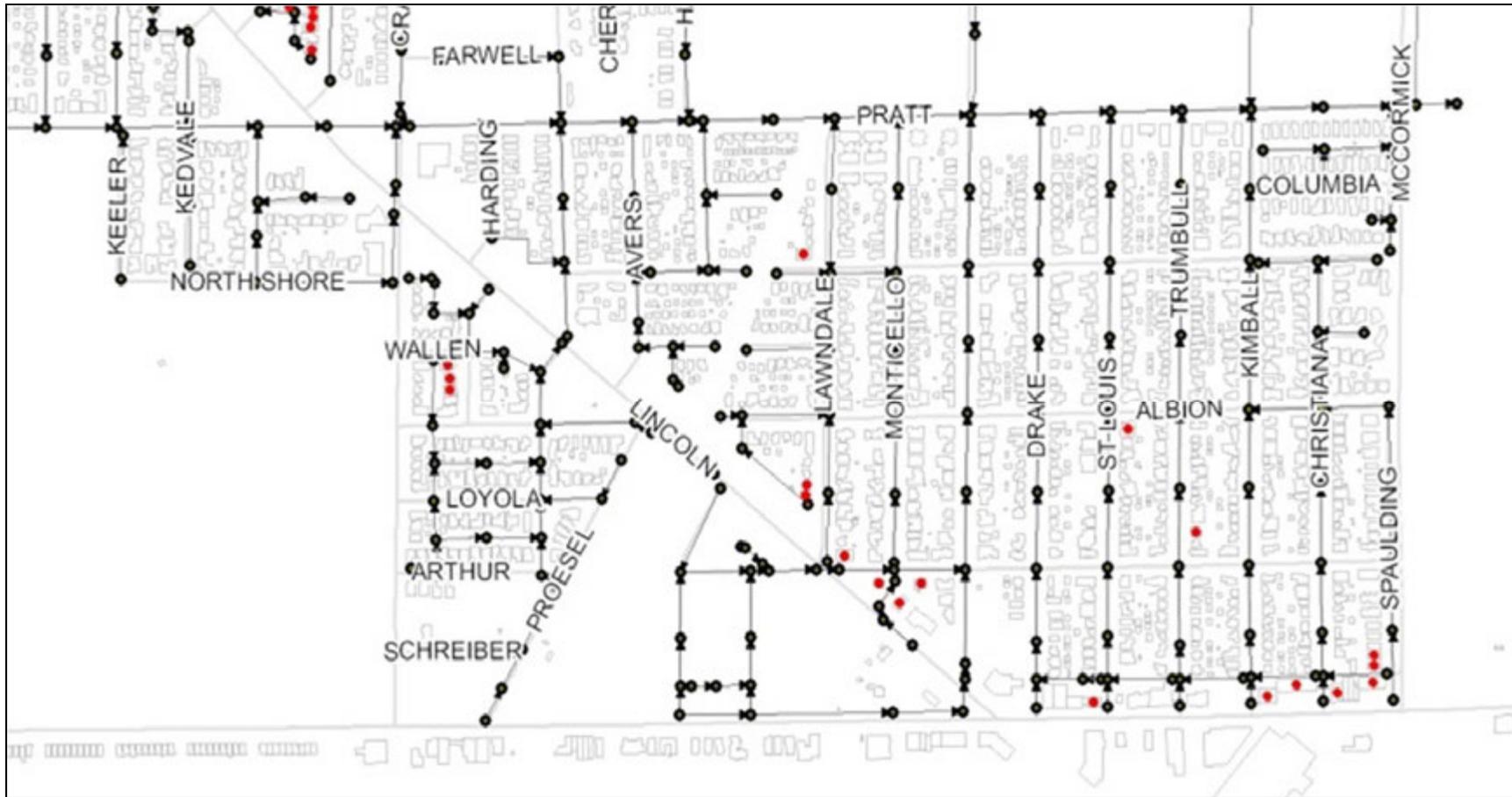


Figure 37 – July 23, 2011 Model Results (SE Quadrant)

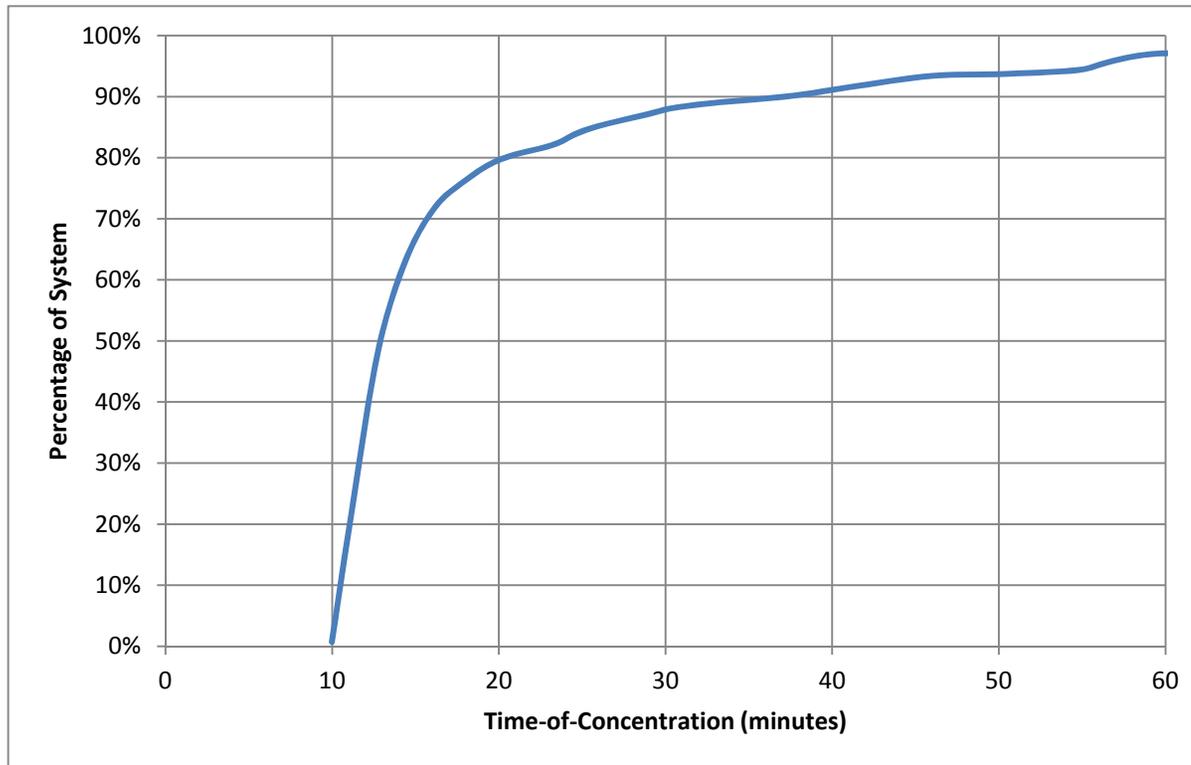


Figure 38 – Lincolnwood Time-of-Concentration Cumulative Distribution

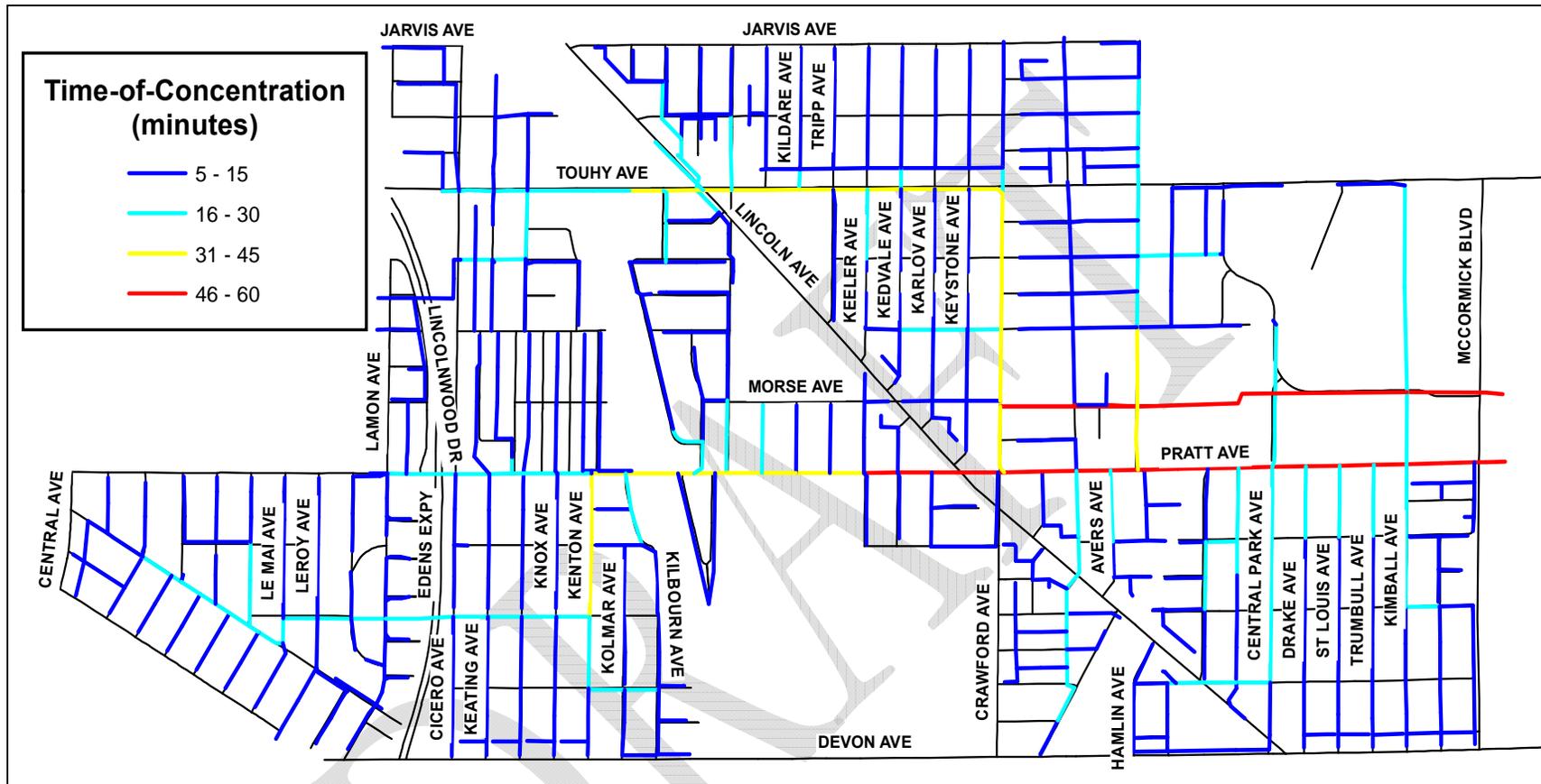


Figure 39 – Lincolnwood Time-of-Concentration Map

5.4.2.4 Rainfall Volumes, Durations, and Frequencies

In addition to time-of-concentration, one must evaluate the manner in which the rain fell on July 23, 2011. The recurrence interval, or frequency, of a rainfall event is dependent upon how much rain fell and over how long of a period of time, or duration, it fell. The figure below displays graphically, how the rain fell on July 23, 2011 in 5-minute increments.

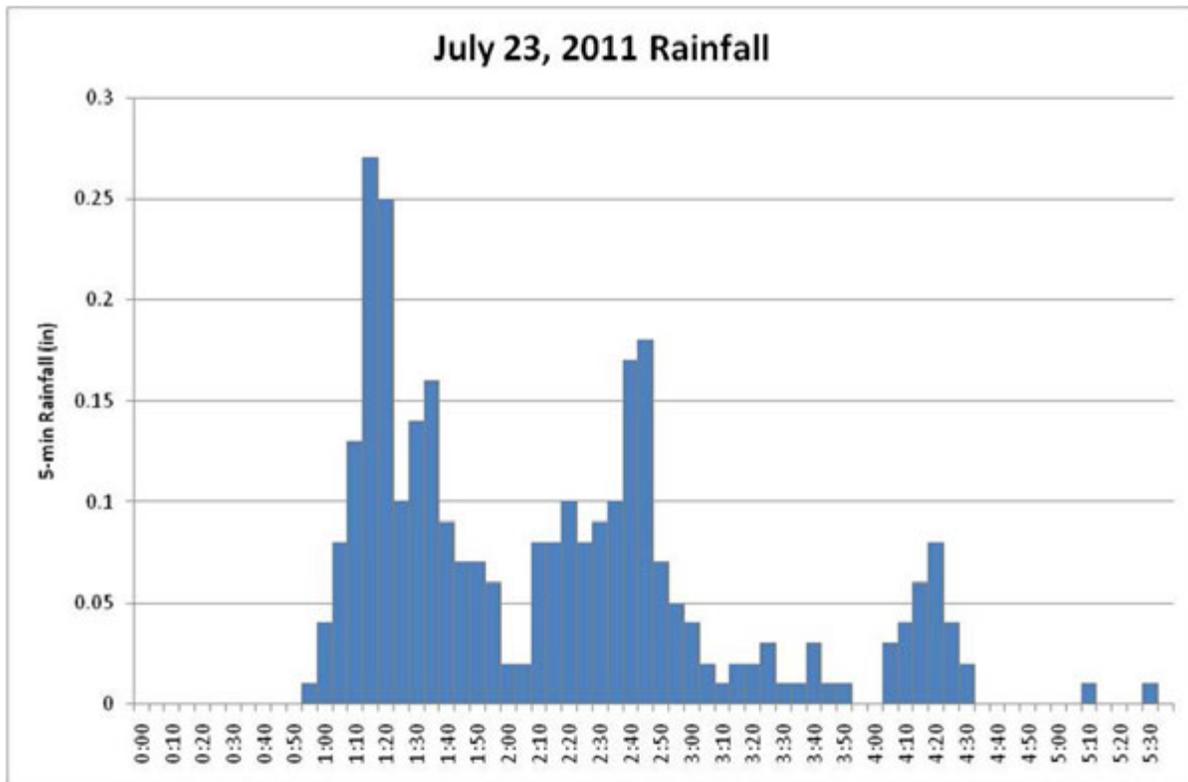


Figure 40 – July 23, 2011 Rainfall

The frequency of this event, as it relates to the Lincolnwood collection system, depends on one’s point of reference, or where you are in the collection system. For example, if your point of reference is a pipe with a 15-minute time-of-concentration, then the peak 15-minute rainfall will be what determines the peak flow at that point. Likewise, if the point of reference is further downstream in the system, near the District interceptor for example, the time-of-concentration would be close to one-hour, hence the relevant peak rainfall period will be the peak one-hour rainfall. Figure 41 through Figure 44 on the following pages indicate the peak rainfall volumes for a range of durations from the July 23rd event. The peak 15-minute and 1-hour rainfall volumes were 0.65” and 1.46” respectively.

The Midwest Climatic Data Center publishes a document titled *Bulletin 71 – The Rainfall Frequency Atlas of the Midwest*. This document summarizes statistical analyses that relate a range of rainfall volumes and durations to their likelihood of occurring for a nine-state area in the Midwest. These correlations should be used to determine the likelihood with which the rainfall volumes presented in Figures 6 thru 9 are likely to occur. The results of this comparison are presented in Table 28.

Table 28 – July 23rd Rainfall Frequency Evaluation

Duration (min)	Rainfall (in)	Frequency (Years)
15	0.65	0.85
30	1.05	1.6
60	1.46	2.3
120	2.51	8.4

By comparing Table 28 to Figure 38, it shows that for 97% of the system the July 23rd storm was little more than a 2-year event.

5.4.2.5 Summary & Recommendations

The model predicts very minor basement flooding in only a few isolated areas for the event of July 23, 2011. This is consistent with the lack of complaints of basement backups. Furthermore, as it relates to the Lincolnwood collection system, this was only a 2-year event. Therefore we recommend that the Village continue in its efforts to provide protection from basement flooding for the 10-year event, a storm that would be 50% larger than the one that occurred on July 23rd, 2011.

While the 120-minute (2 Hour) duration storm is about an 8.4-year storm event, the Lincolnwood Sewer System was able to convey that storm with only minor difficulties. Storms with higher rainfall intensity and shorter duration cause significant problems in the sewer system. Therefore, the July 23rd storm verifies that the current computer model is properly calibrated and duplicates the results as reported in the field.

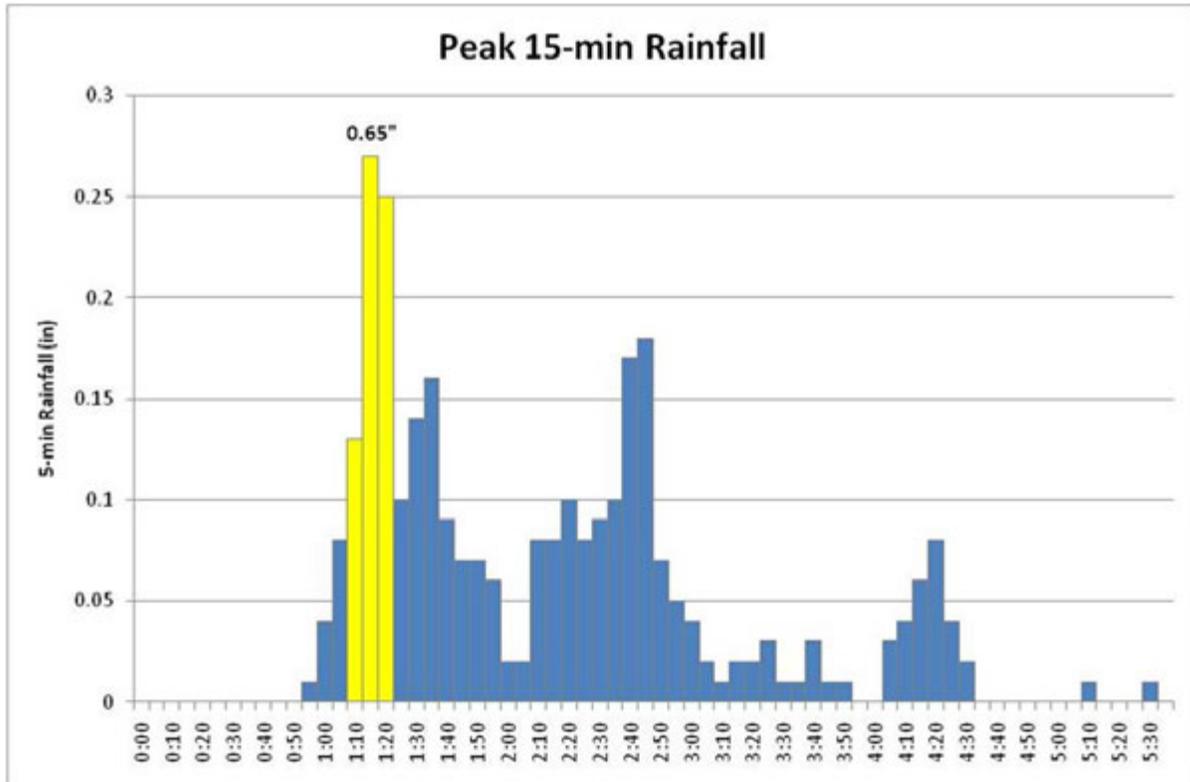


Figure 41 – July 23, 2011 Peak 15-min Rainfall

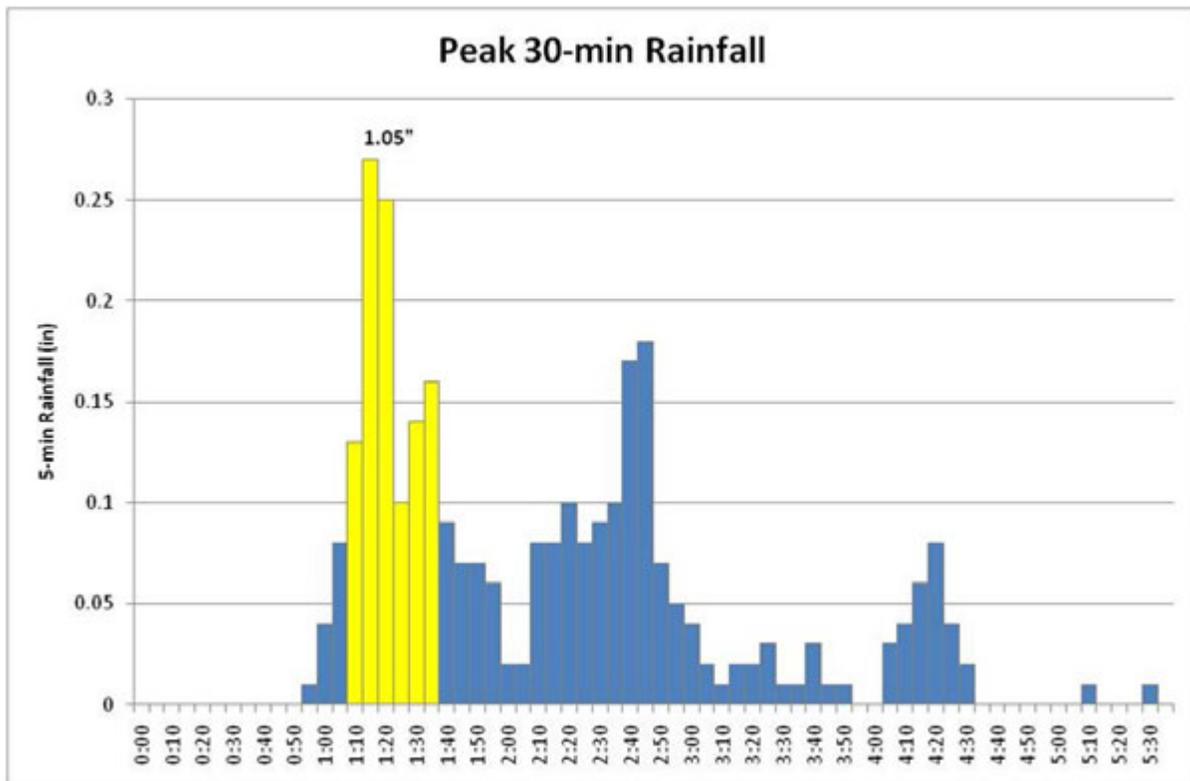


Figure 42 – July 23, 2011 Peak 30-min Rainfall

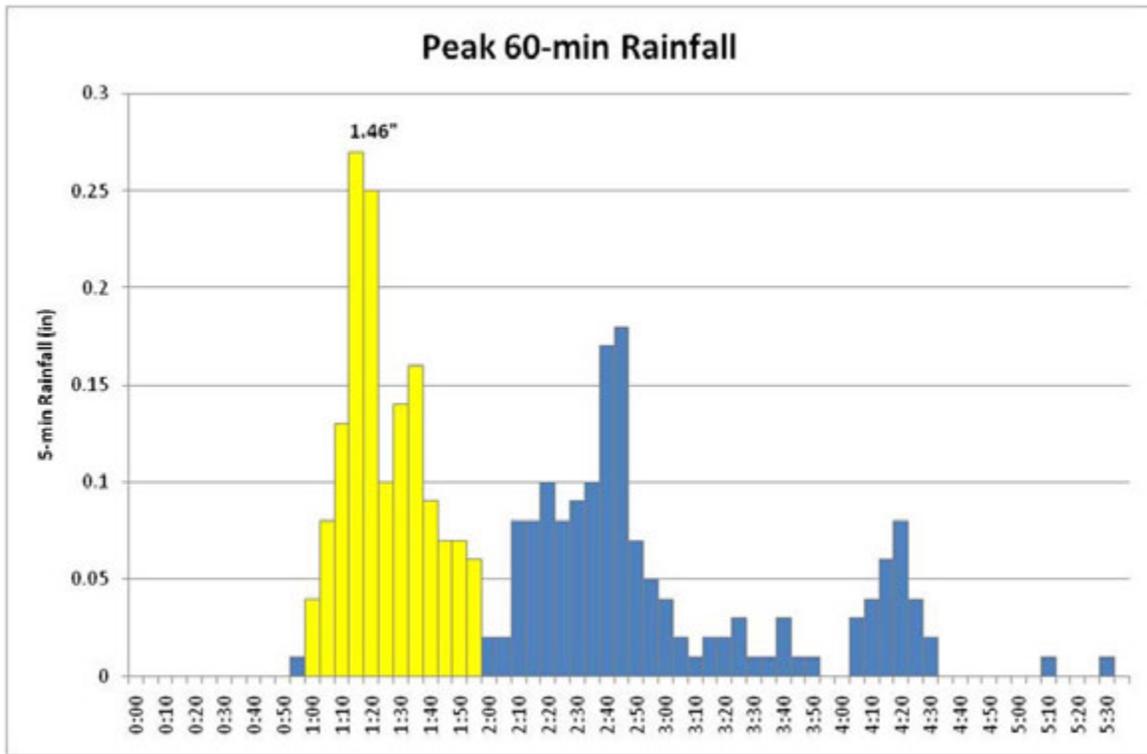


Figure 43 – July 23, 2011 Peak 60-min Rainfall

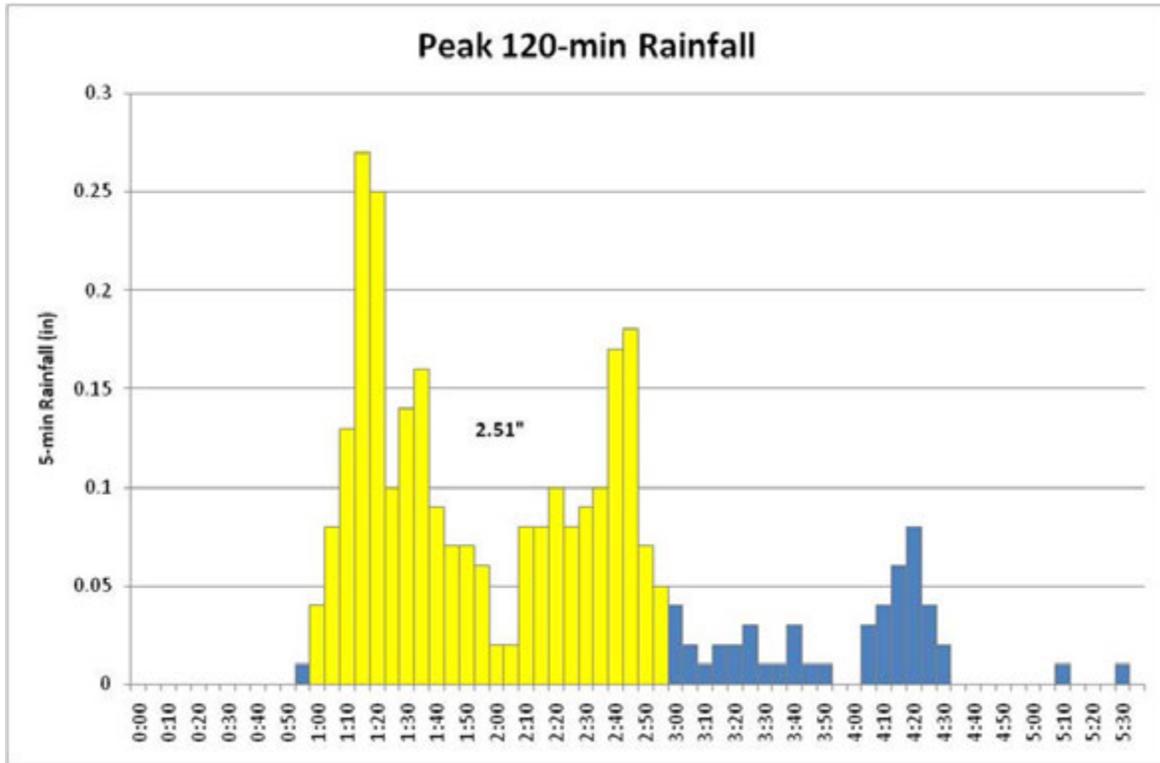


Figure 44 – July 23, 2011 Peak 120-min Rainfall

5.5 A D-HOC COMMITTEE COMMENTS & MEETING MINUTES

5.5.1 NOVEMBER 24, 2008 MEETING

**VILLAGE OF LINCOLNWOOD
AD-HOC SEWER COMMITTEE
UNAPPROVED MEETING MINUTES
November 24th 2008**

CALL TO ORDER

Chairman Eisterhold called the Ad Hoc Sewer Committee Meeting to order at 7:07 p.m., Monday, November 24, 2008, in the Board Conference Room of the Village Hall located at 6900 N. Lincoln Avenue, Village of Lincolnwood, County of Cook and State of Illinois.

ROLL CALL

The following were:

PRESENT: Chairman Eisterhold; Paul Grant; Paul Gordan; Gus Dimas; Chris Martel; Barbara Copeland; Zvie Liberman;

ABSENT: None

Also present were: Gerald Turry, Mayor; Thomas Heidtke, Village Trustee; Timothy Wiberg, Village Administrator; Manuel Castaneda, Director of Public Works; Robert Carr, Water Resource Modeling; Steve Sticklen, AB&H Donohue; Craig Brunner, AB&H Donohue; and Ashley Dorsey, Public Works Management Analyst

APPROVAL OF MINUTES

The May 7, 2008 minutes were approved by voice vote.

Abstentions: Barbara Copeland

REGULAR BUSINESS

Steve Sticklen presented a draft presentation of results and conclusions regarding the Village's stormwater modeling study. He noted that it is a work in progress and that the purpose of the meeting was to comment on the results and conclusions so he could utilize them in his final report.

Mr. Sticklen presented an outline of his presentation which included:

- History
- Inlet Restrictor Program
- Project Scope
- Rainfall & Hydrology

- Model Development
- Preliminary Model Results
- Looking Ahead

Mr. Sticklen began the presentation by discussing the history of the Village's stormwater management. He discussed the Village's history of flooding, methods to control storm runoff and the history of the inlet restrictor program as he understood it.

History of Flooding

Mr. Sticklen reviewed the history of basement flooding complaints in the Village. Only 30% of residents responded to the survey sent out following the August 2001 flood event. The group discussed the fact that resident complaints are not a reliable means of ascertaining extent of flooding. Some residents do not report flood problems because they will have to report the flooding when selling their home. Others are used to flooding and don't report it.

History of Restrictor Program

Mr. Sticklen discussed the history of the restrictor program. The Village has approximately 3,000 inlets. Approximately 21% are state or county and 45% are restricted while 34% are unrestricted. Mr. Sticklen discussed the orifice opening of the restrictors and the steps taken to measure them.

Mr. Gordon stated that an orifice opening of 13 in² was used in the model when the actual opening is 11 in². He stated that this could result in a 20% error in the model. Mr. Gordon provided shop drawings of the restrictors to Mr. Sticklen. Mr. Gordon further stated that AB&H's proposal stated that they would perform physical hydraulic testing of the restrictors. Mr. Carr does not recommend hydraulic testing of the restrictors because it would have little effect on the results.

Mr. Sticklen reported that in some cases, the model predicted sufficient freeboard in locations where there were flood complaints. He stated that there may be a sewer maintenance problem that the model does not account for. It could also be due to not enough local sewer capacity.

Trustee Heidtke asked if AB & H had statistics from other communities regarding the percent of residents that do not report flooding. Mr. Sticklen stated that he did not. Ms. Copeland stated that she knew of residents that did not report flooding in their home during the September 13th 2008 event but did actually flood.

Project Scope

Mr. Sticklen reviewed the project scope which included (1) develop a computer model; (2) assess the ability of the system to accommodate a 10 year event under pre-existing, existing, and future conditions; and (3) failure analysis (optional).

Rainfall & Hydrology

Mr. Sticklen reviewed the key questions to answer. How does rainfall impact a combined sewer system? How much rainfall can the Village's system handle? and How often will the capacity of the Village's system be exceeded. Mr. Sticklen conducted a physical demonstration of a rainfall event and the sewers response. Mr. Sticklen noted that the key is to examine how much water falls in how large or small of a time period.

June 2007 Storm Event

Mr. Sticklen began reviewing the June 2007 storm event that occurred. He explained that it was important to look at the event using the rainfall hyetograph- i.e. rainfall over time.

Mr. Sticklen stated that there was a large volume of rain over a short period of time during this event. Data indicates that the mean rainfall intensity during the event was 1.76"/hr. He went on to further explain bullet 71 and its interpretation of the June 26, 2007 event.

Mr. Sticklen went on to discuss and explain Bulletin 71 and IDF curves. Bulletin 71 is a rainfall data atlas while IDF curve or intensity duration frequency relationship examines the relationship between the intensity of the rainfall and the frequency. Mr. Sticklen further explained the concept of "time of concentration" which defines the size of a system and long it can hold liquid. According to the IDF curves and Bulletin 71 the Village has not observed a 10 year rain event in Lincolnwood.

Mr. Gordon stated that the Skokie rain gauge reported data that indicates that Lincolnwood has had a 10 year rain event. He also commented that rain gauges often underreport what falls on the ground.

Model Preparation

Mr. Sticklen detailed the preparation of the model. He stated that sewers that were 18" or longer were highlighted in the model. A skeletal model was developed that simulates the sewers and streets. Approximately 300 street segments were used in the development.

A field survey was conducted and 65 manholes were surveyed. Utility data was also utilized. Mr. Liberman asked if we were sure the GIS data was correct.

In order to incorporate surface topography the Village's TIN topography was utilized to determine overland flow paths of water and where it collects. Subcatchment parameters were also utilized to accurately simulate how much rainfall is impervious.

Trustee Heidtke questioned how it is determined how many downspouts are disconnected in the Village. Mr. Sticklen stated that it is assumed that 100% are disconnected because of the Village's Ordinance that requires disconnection. Mr. Castaneda acknowledged that some homes might be connected, but did not think it was a significant amount. Mr. Sticklen stated that this would be a calibration parameter if the Village moves forward with phase 2. Mr. Eisterhold questioned whether it the Village should physically check the % disconnected in the community.

Preliminary Model Results

Mr. Sticklen began by explaining the concept of sewer surcharging. He explained utilizing a graphic the concepts of freeboard and ponding depth. These concepts are key parameters that are used when assessing a model for pass/fail.

Mr. Sticklen provided several maps of the model for existing conditions and future conditions. Mr. Sticklen noted that the model indicates that 74% of the system fails during a 10-year storm under current conditions and 62% fails under future conditions. The scope of Phase I of the contract does not include determining the maximum amount of water the system can handle.

Ms. Copeland stated that after the August 2001 storm she installed flood control berms near her home. In September 2008 she was close to flooding. Mr. Sticklen noted that the model predicts surface flooding near her home during the September 2008 storm.

Mr. Sticklen noted that the definition of failure that is used in the study is "if the freeboard is less than 4 ft. it equals failure."

Mr. Sticklen posited the question “why isn’t it doing more?” Mr. Sticklen stated that in smaller storm events the system may perform better. Mr. Sticklen noted that some of the challenges with the current system stem from the areas that the Village cannot restrict (i.e. IDOT and County roads) which causes the flow path to be interrupted when an unrestricted area is met.

Mr. Martel questioned how far AB&H modeled over the curb. Mr. Sticklen noted that they went beyond the ROW 50 feet from the center of the road. Mr. Copeland stated that because the Village cannot pond well it cannot contain water well.

Mr. Gordon stated that in order to assist with ponding berms need to be installed. Mr. Copeland questioned if the street would need to be lowered.

Mr. Carr replied that you do not have to lower streets to build berms. The Village of Skokie was able to build berms without lowering the streets. Mr. Carr also noted that when street repairs occur the berms have to be removed and then built back up. Mr. Copeland questioned if this was something that could be completed during resurfacing. Mr. Carr noted that these were items that will be discussed during phase two of the project.

Mr. Martel commented that he questioned the model’s data and wanted Mr. Sticklen to expand on the methods used to calibrate the model.

Mr. Martel stated that we have not done a sufficient job of collecting flooding data and that the Village needs to become more serious about collecting data in the future.

Mr. Sticklen and Mr. Carr agreed that the accuracy of the model cannot be verified without flow monitoring data, but that a decision had been made to calibrate the model using flood complaint records of actual events.

Ms. Dorsey and Mr. Castaneda noted that there is \$120,000 in the 2008/2009 budget for flow monitoring. It was stated that flow monitoring will be completed during the Spring-Summer of 2009. Mr. Carr will work with Mr. Castaneda, Ms. Dorsey, and AB&H to develop a flow monitoring program. Mr. Carr recommended postponing Phase II of the project until the flow monitoring and sewer televising work is completed.

Mr. Martel asked whether part of the scope of work was to look at whether the Village’s sewer has the capacity to hold a 10 year event. Mr. Sticklen noted that there is money in the budget for an optional failure analysis.

Mr. Martel stated that the committee needs to decide what the goal of the study is- is it can the sewers hold a 10 year storm? He went on to say that the Village should look at determining what the specific areas are that are deficient and the costs to upgrade the deficient areas. Mr. Castaneda clarified that the committee has direction from the Village Board to follow through with the phased approach approved by them. Mr. Wiberg further went on to clarify the direction of the Board: (1) Hire Mr. Carr; (2) Mr. Carr would assist the Village with the modeling process; and (3) Phase I model the system. If the model depicts failure the Board must approve phase II.

At this time Mr. Gordon asked if he could spend some time reporting on his observations of the modeling process thus far. Mr. Gordon stated the following things:

- The report is based on too few reliable rain gauges;
- Lincolnwood needs wind and rain gauges that properly monitored and maintained;
- The June 26th 2007 storm was originally stated as occurring on June 27th 2007;
- The report references Skokie’s gauge but Skokie’s gauge was not working at that time;

- The information from the June 26th 2007 storm came from the Monticello gauge which is a hobbyist gauge not a professional one. The gauge only has a 15% efficiency and does not make adjustments for wind. He stated that 50% of the rain fell on the ground due to wind which made the gauge readings inaccurate. Mr. Gordon further stated that if you made the correction for wind the June 26th 2007 storm would have been a 10 year storm;
- Mr. Gordon captured 2 ½ in of rain in a 5 gallon bucket during that storm
- Mr. Gordon stated that the August 23rd 2007 storm was similar to the June 26th 2007 storm. The Sauganash station reported that 4 ½” of rain fell per hour.
- The September 13th 2007 storm was rated using Skokie fire station data which does not allow accurate collection because of wind.
- The Village must have accurate rain gauge data and know the amount of water on the ground
- The Inlet restrictors were measured from photographs. Mr. Gordon will give shop drawings to Mr. Sticklen. Mr. Gordon stated that if Mr. Sticklen corrects the measurements there will be 20% more water entering the restrictor covers.
- AB&H did not conduct a hydraulic drainage test on the sewers
- Figure 6 from June 26th 2007 storm shows 5 feet of freeboard
- The Village needs an accurate weather station. We need 5 of them at \$6,000 a piece.
- The model needs to be based on accurate storm data to assess it correctly.
- Mr. Gordon stated that the Village needs to start an education program to educate citizens and the public works department needs to learn how to respond and help the engineers

Mr. Martel stated that he believes the intensity of the events were higher than what Steve’s report indicates. He further stated that this is important because we need to know if we survived a 10 year storm event.

Mr. Carr stated that the model that was run was a 10 year storm event. Pre, existing and future conditions were run. Mr. Carr went on to say that Mr. Gordon’s points regarding rain gauges are well taken. Rainfall is often localized. Rain gauges are considered as part of the flow monitoring plan and will be used for phase 2 of the project.

Mr. Martel noted that a fixed set of points need to be identified for flow monitoring.

Mr. Carr stated that the size of the openings on the cover need to be verified and the model re-run. He also stated that a 20% difference may not make that much of a difference.

Mr. Eisterhold made a recommendation to:

1. Hold off on the failure analysis;
2. Begin sewer televising as soon as possible;
3. Begin flow metering in the Spring;
4. Investigate weather stations;
5. Ensure that the Pratt sewer is evaluated; and
6. Finalize the report.

Mr. Gordon will coordinate with Bob Carr to determine locations for weather stations.

Next Steps

Meet with the ad-hoc sewer committee in January or February after the draft report is submitted. Submit comments to Mr. Sticklen and have final report presentation at the end of February/beginning of March.

Mr. Martel made a motion to adjourn. Mr. Dimas seconded.

ADJOURNMENT

The meeting adjourned at 10:15 pm.

Respectfully Submitted,

Ashley R. Dorsey
Public Works Management Analyst

5.5.2 M AY 31, 2011 MEETING

**Unapproved
Ad Hoc Sewer Meeting Minutes
May 31, 2011**

CALL TO ORDER

Chairman Eisterhold called the Ad Hoc Sewer Committee Meeting to order at 7:00 p.m., Tuesday, May 31, 2011, in the Board Conference Room of the Village Hall located at 6900 N. Lincoln Avenue, Village of Lincolnwood, County of Cook and State of Illinois.

ROLL CALL

The following were:

PRESENT: Chairmen Paul Eisterhold, Mark Collens, Barbara Copeland, Gus Dimas, Zvie Liberman, Chris Martel and Paul Grant

ABSENT: None

Others in attendance: Bob Carr, Water Resources Modeling; Manuel Castaneda, Director of Public Works; Ashley Engelmann, Management Analyst; Tom Heidtke, Trustee; and Timothy Wiberg, Village Administrator; Steve Sticklen, AB&H / Donohue

APPROVAL OF MINUTES

The February 22, 2011 minutes were approved by voice vote.

REGULAR BUSINESS

Mr. Sticklen gave an introduction stating that the presentation this evening is a work in progress in which he will be presenting preliminary results.

An overview of the meeting outline was presented:

- Project Review
- Phase I Results
- Phase II Alternative 1 Results
- Preliminary Alternative 1 Costs
- Alternative 2 Potential Improvements

Mr. Sticklen reviewed the background on the project.

- 1986 – Inlet restrictor program begins
 - Concrete “blocks” on outlet pipes (prone to clogging)
 - Restrictor plates on surface
 - 45% of inlets are restricted
- Village’s goal – Handle 10-year event

- Board directs Village staff to proceed with a stormwater management plan
- June 5, 2008 – Board approves hiring AB&H

Mr. Sticklen reviewed the phases of the study.

- Phase I – Pass/Fail Analysis
 - Develop un-calibrated model
 - Can system handle a 10-year event?
- Phase I-B – Update Pass/Fail Analysis
 - Collect flow & rainfall data
 - Calibrate model
 - May 31, 2011 analyses using calibrated model
- Phase II – Identify System Improvements
- Phase III – Design System Improvements

Mr. Sticklen presented a map of the existing conditions during a 10 yr rain event.

- 84% at risk for basement back-up

Mr. Sticklen presented a map of the future conditions (surface restrictors & no containment berms) during a 10 yr rain event.

- 79% still at risk in 10 yr event

Mr. Sticklen presented an overview of the goals of Phase II. Using street storage only-how far can we get by ponding water on the streets alone? AB&H is examining the following:

- Adding berms and inlet restrictors
 - What level of protection will this provide?

Mr. Sticklen presented a map of the 25 year storm which shows flooding with the addition of berms and subsurface restrictors.

- Pink lines show berms
- Light blue show water ponding on the streets

Mr. Liberman stated that if we allow 9 inches at the curb, 6 inches at the center and the crown is no more than 3 inches- can we lower the crown to get more surface storage?

Mr. Martel asked how the model topography was developed.

Mr. Sticklen stated that the model is 2D; they used the surface terrain to create the model.

Mr. Martel asked if we used GIS or the TIN.

Mr. Sticklen stated that we used GIS because the TIN was so accurate so we were able to cut cross sections out of it.

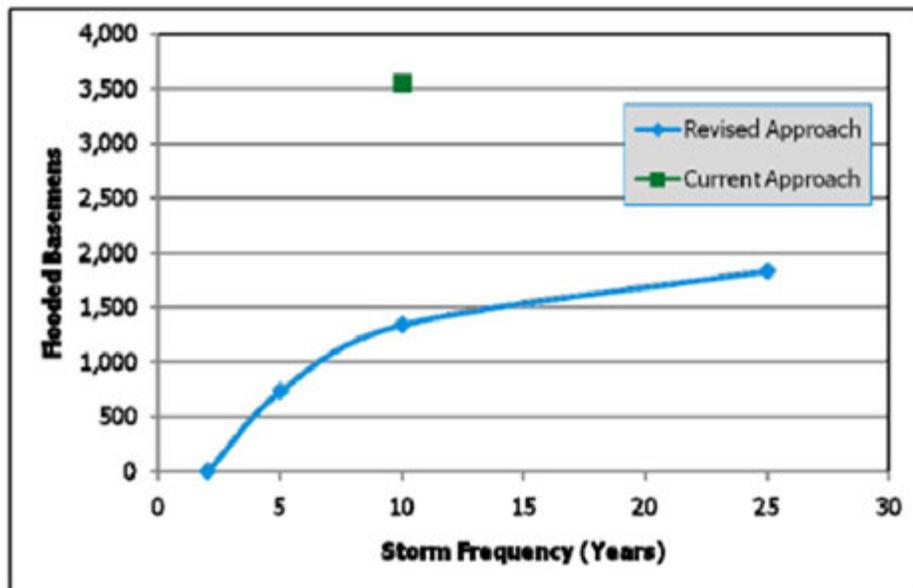
Mr. Collens asked if there is a natural flow of stormwater in the Village.

Mr. Castaneda noted that it generally flows from west to east.

Mr. Sticklen presented a slide indicating the flooding risk with the revised approach versus the current approach.

Storm Frequency (Years)	Basement Flooding			Surface Flooding
	Current Config.	Current Approach	Berms & Submerged Restrictors	
1	-	-	0	0
2	-	-	0	0
5	-	-	737	46
10	3,780	3,555	1,345	100
25	-	-	1,837	150

Mr. Sticklen presented a slide that graphically depicted the flowing risk with the revised approach versus the current approach.



- X axis number of homes at risk
- Y axis storm frequency
- Reduce the number of homes at risk for flooding by 62% during a 10 yr event

Mr. Stickden noted that the assumption was made that all homes have basements and that none have flood control devices.

Mr. Martel asked how the model correlates to the Gewalt Hamilton survey after the 2001 event.

Mr. Stickden stated that when there was a 25 yr event the entire system failed and the model predicted that everything would flood, which is consistent with the 2001 survey.

Mr. Stickden presented a slide indicating preliminary costs for the berms and subsurface restrictors.

- Berms & Restrictors Only
 - Skokie \$6M/10 mi² (1999)
 - Skokie: \$8.7M/10 mi² (2011)
 - \$871,000/mi² (2011)
 - Lincolnwood = 2.7 mi²
 - Total Cost = \$2,352,000

Mr. Martel asked if AB&H looked at a per berm and/or per restrictor cost.

Mr. Stickden noted that will be included and looked at in the final report.

Mr. Stickden presented the purpose of alternate-2.

- Subsurface Storage
- Detention Ponds
- Conveyance Improvements
- Sewer Separation
 - what methods can we use to get to the 10 yr level of protection since surface storage will not get us there

Mr. Stickden showed a map of potential system improvements. These items have not been modeled by he wanted the committee to discuss whether or not these are avenues AB&H should explore.

- Look at least expensive approaches first
 - add stormwater outfall(s) to North Shore Channel.
 - detention storage- potential open space to create

- ComEd ROW, parks, Bryn Mawr, etc.
- inline storage
 - box culverts
 - potentially look at new stormwater sewer under Crawford- with the reconstruction project

Mr. Martel noted that we should ask CCHD or MWRD for preliminary responses regarding these ideas before doing model runs.

Chairman Eisterhold asked the group to recommend to staff how to proceed on the following:

Outfalls

Should talk to CCHD sooner than later about this option.

- directed staff to pursue conversations with Skokie and CCHD

Storm Outfalls

Should talk to MWRD regarding the stormwater outfalls

- directed staff to pursue conversations with MWRD regarding feasibility

Mr. Martel stated that we should have a cost per house benefit included in the final analysis.

Mr. Stickden stated that AB&H would iteratively look at each solution, its cost, number of homes protected, and \$/home protected.

Detention Storage

- school is out
- should pursue ComEd ROW
- park near the pump house
- parks in general
- Country club

Mr. Carr noted that staff needs to talk to ComEd, Skokie, MWRD, CCHD, Parks Dept., Bryn Mawr, to check into the feasibility of these items.

Mr. Stickden stated that they all could have a great benefit.

Chairman Eisterhold noted that parks such as Proesel which was developed for programming should not be considered.

Mr. Stickden noted that these would be dual-use facilities, and only storm water stored in them during large rainfall events.

Mr. Martel asked if we could increase the size of the detention pond at the mall.

Trustee Heidtke stated that we have made an assumption that all homes have basements and none have flood control devices- do you take into account how shallow sewers would affect the model?

Mr. Sticklen stated that they used Google Earth and realty websites to determine shallower basements which are included in the model-these assumptions were made so they were conservative, the impact would be that there would be extra water in basements because it has to go somewhere.

Mr. Wiberg asked what if every home in Lincolnwood had overhead sewers- what would happen to the water?

Mr. Sticklen noted that you would have massive overland flooding and sewage on the street because it would have to go somewhere.

Chairman Eisterhold asked if the Village did or will hire someone for this summer to complete a downspout connection inventory of the Village.

Mr. Wiberg stated that if the commission wants to recommend that staff do this he could go to the Village Board and ask for funds to hire someone.

Trustee Heidtke asked why there isn't a benefit to keeping some of the water on the surface- i.e. using both the submerged restrictors and the surface restrictors together.

Mr. Sticklen noted that we can control the flow better and prevent clogging by just using the submerged restrictors.

Mr. Carr and Mr. Sticklen have looked at some alternative ways to reduce clogging.

Mr. Wiberg noted that the good news is that there is a 62% reduction in basement flooding during a 10 yr event with just street storage, we may be able to modify some parameters and get better results with a smaller event such as a 5 yr.

Mr. Martel noted that if the goal is to achieve a 10 yr event then we don't really need to try and achieve a 5 yr event.

Chairman Eisterhold stated that we should also look at using the abandoned railroad as detention. He also asked when will we be able to know if we need to upsize existing sewers.

Mr. Sticklen noted that we won't know this until we are done with phase II.

Mr. Martel noted that we have not talked about upsizing sewers.

Mr. Sticklen stated that in terms of priority, financially that would be very expensive so we need to try to use other alternatives first.

Chairman Eisterhold stated that we are starting downstream and working our way back upstream.

Mr. Castaneda asked if we can we use rain gardens for detention.

Mr. Carr noted that they tend to be better for small events then large events.

Mr. Sticklen noted that they are also better for improving water quality.

Mr. Sticklen noted that within the next two months (end of July) they should have an idea of preliminary sizing and costs.

The group discussed potentially meeting in two months when preliminary results are complete for alternate 2 and also to talk about a public education campaign.

Ms. Copeland made a motion to adjourn. Mr. Grant seconded.

ADJOURNMENT

The meeting adjourned at 9:07 p.m.

Respectfully Submitted,

Ashley R. Engelmann
Assistant to the Public Works Director



MEMORANDUM

TO: Tim Wiberg, Village Manager
FROM: Jim Johnson, Village Engineer
DATE: May 31, 2013
SUBJECT: Stormwater Study

As requested, I reviewed the Stormwater Report prepared by AB&H, supporting documents and related correspondence. It was my understanding, that you were seeking an independent review. In addition to reviewing the previously noted documentation, I spoke with the author, the Village's independent water modeling consultant (Robert Carr – WRM), and multiple municipal engineering peers. I also conducted internet research.

Following is a summary of my findings:

1. The model was based on sound engineering, used current engineering practices, and was peer reviewed.
2. The engineering analyses and recommendations were based on sound engineering, used current engineering practices, and was peer reviewed.
3. The cost estimating was conservative (e.g., used higher unit prices, used higher contingencies). By reducing the contingency from 40 percent to 20 percent and by using unit price comparables, the overall budget is reduced by 25 percent (i.e., \$25.2MM vs \$33.6MM).
4. Subsurface restrictors comport with current engineering practice.

Following are my recommendations:

1. Approve the Stormwater Study and incorporate the recommendations in to a master Capital Improvement Program
2. Approve a Pilot Study to install subsurface restrictors and evaluate their effectiveness.

If you have questions or need additional information, please call me at (847) 745-4835 or send an e-mail to jjohnson@lwd.org.