

2008 ANNUAL REPORT



**PREPARED BY:
CITY OF MUSKEGO PLANNING DEPARTMENT**

2008 Planning Annual Report

This annual report provides an overview of the Planning Department's progress on departmental projects and various community growth issues for the year. This is the 5th straight year for our annual report. The Planning Department promotes both the careful development of land and the preservation of Muskego's natural resources. To accomplish this, the Department is involved in a variety of programs, including current and long range planning, geographic information systems, economic development, zoning administration, lake management, urban forestry, and conservation management. The Department's role also includes the dissemination of this information to the public, and coordination with county, regional, state, and federal officials. The enclosed information provides a detailed look at the recent accomplishments of Planning Department staff while also providing yearly statistical info on how the City is growing on an annual basis. The statistical info helps all of us to better plan our community, while the project information enables the City to see how the Planning Department has functioned as part of the local government in Muskego.

Mission Statement

Muskego is planned each and every day by professional staff whose mission is to:

Promote the orderly development of Muskego in an efficient and aesthetic manner through long-range and current planning, provide public information and data on planning issues, and coordinate related areas of geographic information systems, economic development, zoning administration, urban forestry, and conservation management.

2008 Planning Department Staff

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Special Thanks For Data and Information

Assessor's Office
Building Department
Engineering Department

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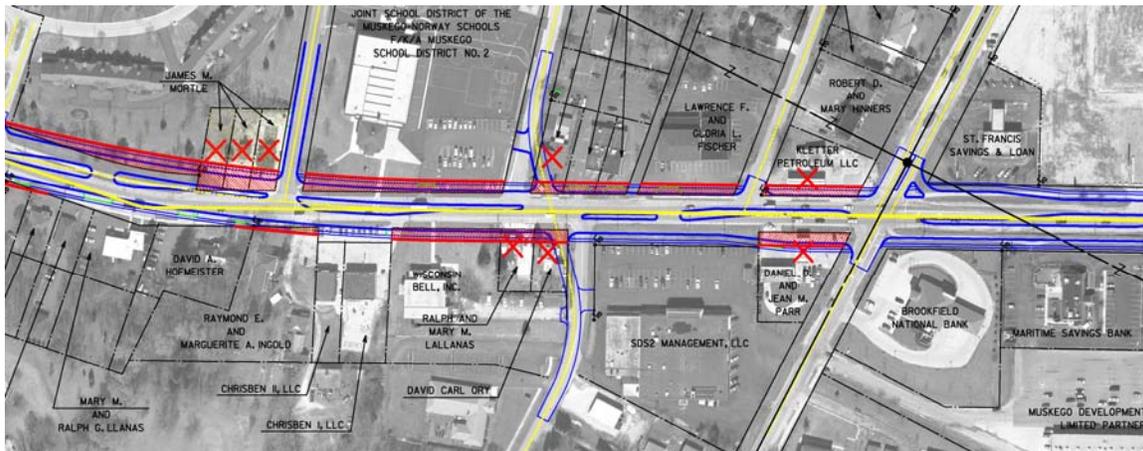
Planning Activities

Miscellaneous Planning Items

Janesville Road Reconstruction

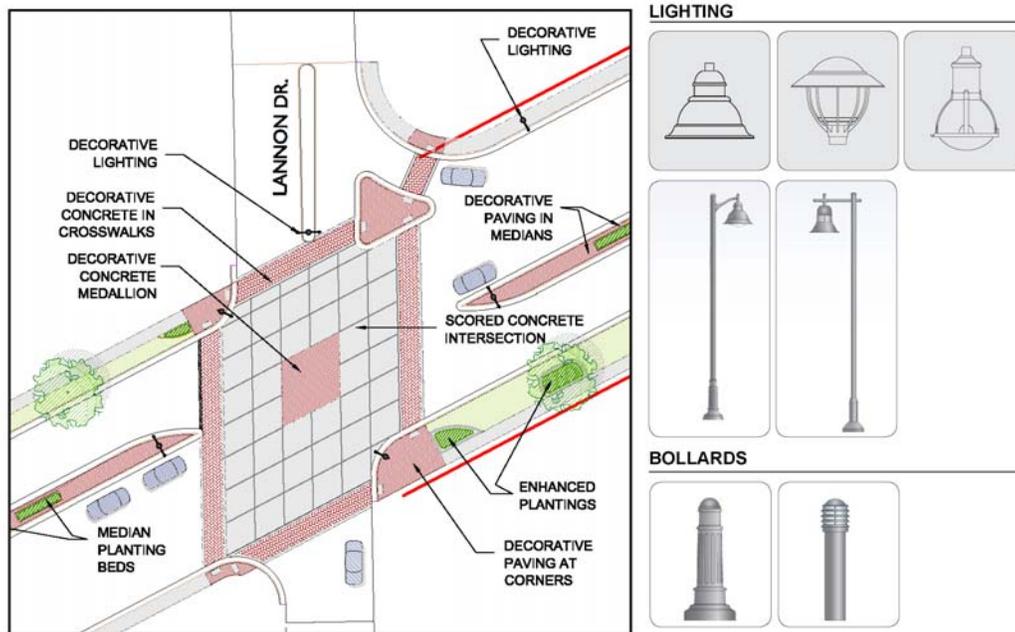
During 2008, the Planning Department has continued to work extensively with Waukesha County on progressing the re-design and reconstruction of Janesville Road from Moorland Road to Racine Avenue. The County wants to ensure that the roadway would be re-designed with public comment and support, thus they have instituted a Context Sensitive Solutions (CSS) process. The CSS process essentially is a way to keep the stakeholders for a certain project involved throughout by allowing them to comment and manipulate the results via publicized input. The CSS group includes over 20 stakeholders, which represented various City boards, business owners, residents, and groups that relate to Janesville Road.

The third, fourth, and fifth CSS meetings took place in 2008 along with two public informational meetings. As 2008 came to a close, the County was able to utilize the information the CSS group provided to formulize a design for the new roadway and determine the initial parcels that would be affected. All the opinions were gathered from the various meetings and a final summary of the CSS findings were issued. All the supporting information is kept at www.janesvilleroad.com.



Janesville Road Reconstruction Plan - Draft

The City of Muskego also continued the streetscaping design separately during the course of 2008 with the chosen design consultant Planning and Design Institute, Inc. (PDI). The Planning Department has been tasked with organizing PDI, the County, and the County's road engineer, Ayres Associates, in coordinating the pieces of the puzzle that will makeup the newly designed Janesville Road. PDI also coordinated a subgroup of the CSS team in determining how the streetscaping (i.e. the landscaping, street paving techniques, lighting, furniture, signage, etc.) should shape the new road and surrounding land uses once the construction would be complete. A few visioning sessions were held during 2008 and these sessions will continue now that the City has the basic design to work with.



Examples of Streetscaping Concepts

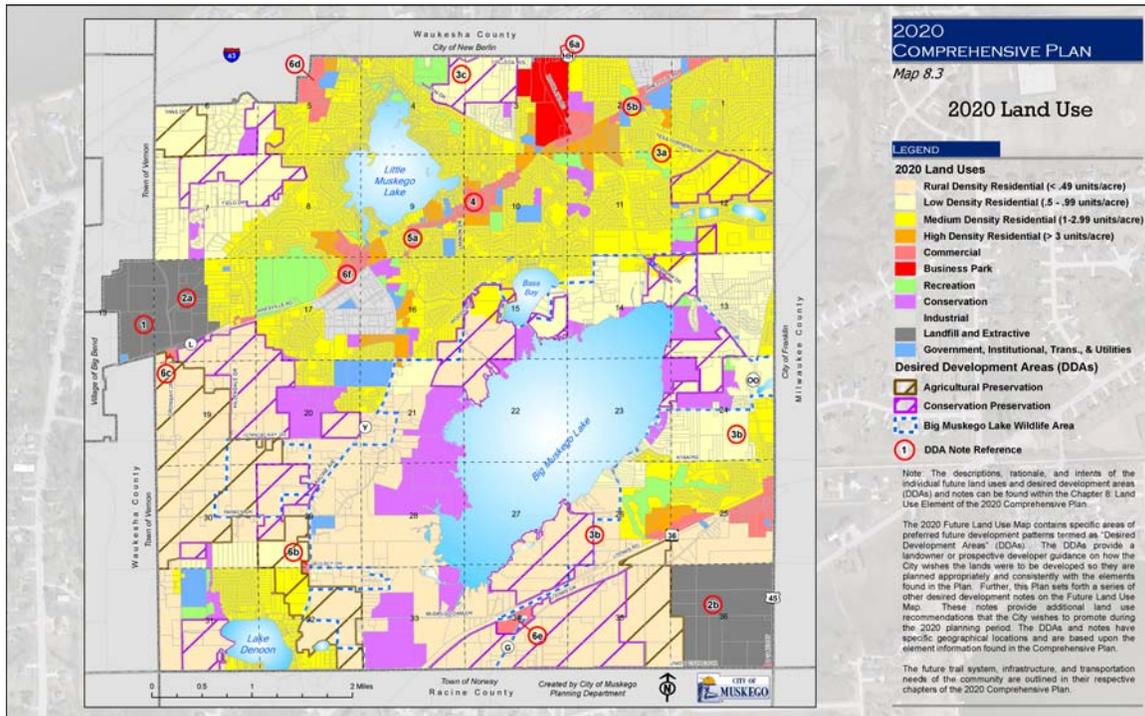
2009 should bring the completion of the streetscaping designs and the final budgeting, from the City's perspective, for the entire project thru the 2012 completion year. The project schedule is still on time and will consist of burying utilities in 2010 and reconstruction of the roadway in the successive years of 2011-2012.

2020 Comprehensive Plan

Development of the draft of the 2020 Comprehensive Plan evolved further in 2008 and is now near completion. The new plan has to be what is called "Smart Growth" compliant, as per Wisconsin State Statute, by the year 2010. The City of Muskego is ahead of schedule at this point. All the smart growth compliant chapters were drafted in 2007 along with all mapping and preliminary recommendations for the future of Muskego. During 2008, the Planning Department enlisted a Comprehensive Planning Committee that consisted of a group of six Muskego residents. The Council then appointed the Committee and they met sixteen times during 2008 to review each chapter for content and, the most important task, to determine the recommendations for the future of the City up until the year 2020 and beyond. The Committee reviewed each chapter, table and map at the meetings. Further, each District Alderman was invited to share their constituent views of how land uses and associated densities should be molded over the next decade. Public input was sought at each meeting and incorporated into the draft document as well. Lastly, the Committee sought the advice of the other various boards and the Committees (Park Board, Community Development Authority, Mayor's Task Force, Conservation Commission, etc.) that makeup Muskego so that full buy-in was completed during the formulization of the 2020 Plan.

In all, the Committee has been able to utilize the content of the new 2020 Plan to agree on a core group of recommendations that will shape the city of Muskego in the decade to come. The recommendations include all major topics surrounding the growth of the City, comprising of housing, transportation, land use, utilities and community facilities,

economic development, agricultural, natural and cultural resources, and intergovernmental cooperation.



Draft 2020 Comprehensive Plan Land Use Map

The Committee is on pace to hold a few more meetings in 2009 along with a Public Informational Meeting to then finalize the document for forwarding into the City Council and Planning Commission. It is anticipated that the new 2020 Plan will be approved in Spring 2009.

Moratorium on Land Divisions, 2010 Map Amendments, and Rezonings

In 2008 there was a moratorium considered for certain areas of the City primarily consisting of rural, agricultural, and conservation properties. The moratorium was proposed to be for a four (4) month period with the possibility for extensions. The idea of a moratorium stemmed from the 2020 Comprehensive Committee's desire to look to preserve and maintain controlled development within the City's rural, agricultural, and conservation lands. The intention was to provide the City with an opportunity to stabilize growth to continue the planning process, including completing the land use element. There were concerns from the 2020 Committee that there could have been a possible influx of rezoning or land divisions while the plan was being completed. Such a moratorium could have possibly eliminated any potential development pressures within the City, which would otherwise increase during the planning process because landowners and developers might seek to rush their projects in order to gain approval before the planning process can be further completed by the City.

A Public Hearing was held for the moratorium and people spoke against the idea of a moratorium. At the last Committee meeting, after hearing residents at the public hearing's concerns, members were questioning if the moratorium was necessary. The Plan Commission requested that this item be deferred back to the 2020 Comprehensive

Committee for further discussion. The Committee determined at this time the moratorium should be put on hold and if something did arise in the future they could come back to it. The committee felt the moratorium may have received negative feelings without really understanding that it isn't a violation of property rights, but a "time out" for land divisions and rezonings. The Plan Commission then denied the moratorium resolution and the Common Council did the same.

Wetland Protection Offset Regulations

In 2008 the City approved an amendment to the Zoning Code relating to protection offsets around wetland areas. The DNR already had regulations in place that protect areas around wetlands, but the City discovered that these regulations did not apply on all properties and in all situations. With this being the case the City took the proactive approach to establish our own wetland protection offsets that apply in all situations. The wetland protection offsets regulate what can be built and/or occur within the wetland buffer area. The originally approved City regulations were based upon the distance regulations that the DNR uses. The only difference was that the City requirements applied in all situations and the prohibited uses within these protection areas were more restrictive. At the end of 2008, the City started the process to change the protection offsets again to loosen some of the guidelines since it was determined that some of the previously approved regulations were unpractical for a lot of home owners. The Public Hearing and meetings relating to this possible change are going to occur in early 2009.

New FEMA Maps and Floodplain Zoning Ordinance Revisions

The repeal and recreation of the Chapter 14 Floodplain Zoning Ordinance was adopted in late 2008 by the Planning Commission and Common Council. The code changes stemmed from new floodplain maps that FEMA and the DNR completed. As a participant in the National Flood Insurance Program (NFIP), the City was required to revise our Floodplain Zoning Ordinance based upon a model ordinance template from the DNR. The amendments to the code also included references to the new FEMA maps. Overall, there were many small changes, but the requirements of the code are still basically the same. The City was required to make these updates in order to be a member of the NFIP, which allows all residents of the City the ability to purchase flood insurance.

Dedication Fees

In 2008 the City reinstated its dedication fees. The City has required various dedication fees when land divisions occurred to offset the costs and impacts the development of land has in regards to the City's passive and active recreation areas. These previous dedication fees were set forth in the City's Chapter 18 Land Division Ordinance, but were removed due to past State Legislation. In 2008 the State of Wisconsin re-approved the use of dedication fees via the enactment of 2007 Wisconsin Act 44 and the City amended Chapter 18 in order to re-implement the use of dedication fees. The fees remained the same as in previous years. The fees collected will be strictly for the "improvement of land for public parks," which means grading, landscaping, installation of utilities, construction of sidewalks, installation of playground equipment, and construction or installation of restroom facilities on land intended for public park purposes. The fees are as follows:

- \$1,881 per single-family (or \$1,400 per multi-family) unit or lot to a segregated account for active recreational parks
- \$580 per acre of developable land to a segregated account for passive recreational parks
- \$60 per single-family (or \$45 per multi-family) unit or lot to a segregated account for passive recreational parks

There are a few circumstances where the fees are not due or are only partially due. Please see Chapter 18 for more details.

Plan Commission Items

There were 89 approved resolutions in 2008, along with 3 withdrawn/removed resolutions, and 3 defeated resolutions. There were no resolutions that were deferred to 2009. In 2008 there was a drop in the number of approved resolutions as compared to 2007 when there were 121 approved resolutions. This is due to less total items being submitted (See Table 1).

Within the numbers listed below there was 1 approved resolution that was carried over from 2006 and there were 2 approved resolutions that were carried over from 2007 that were approved in 2008. There was 1 resolution withdrawn that was carried over from 2006. There was 1 resolution that was withdrawn that was carried over from 2007. There was 1 docket item from 2007 that was carried over to 2008. This item is still on the docket leading into 2009.

The Plan Commission carried 3 resolutions (docket) from 2007 and 2008 over to the 2009 approval year. There were also 2 resolutions from 2006 and 1 resolution from 2008 that were renumbered to new 2008 numbers.

Also, in early 2008 the Plan Commission went from two meetings a month (1st and 3rd Tuesdays of each month) to one meeting a month (1st Tuesday of each month). There were still two January meetings and the July meeting was held on the 3rd Tuesday of the month due to the 4th of July Holiday.

Year	Total Items Reviewed	Approved	Denied	Concept/ Motion/ No Action	Denied without Prejudice	Withdrawn/ Removed	Deferred (until next year)	Docket (until next year)
2004	130	119	2	-	-	-	2	7
2005	148	127	6	-	-	1	5	9
2006	144	116	14	-	2	4	2	6
2007	121	103	5	4	-	2	1	6
2008	98	89	3	-	-	3	-	3

Table 1

The Plan Commission approved a wide variety of items. Here is a look at some of the numbers for the items that they reviewed in 2008:

- Sign Applications (requiring Plan Commission approval) – 2 approved
- Annual and Biennial Reviews – 23 approved

- Concept/Sketch CSMs – 1 approved
- CSMs – 12 approved, 1 withdrawn and 2 on docket until 2009
- Extraterritorial CSMs – 4 approved
- Concept/Sketch Plats – None approved
- Preliminary Subdivision Plats – 1 approved
- Extraterritorial Preliminary Subdivision Plats – None approved
- Final Subdivision Plats – 1 approved
- Extraterritorial Final Subdivision Plats – None approved
- BSOs & BSO Amendments (see below)
- Conditional Use Grants - New and Amendments (see below)

Planning Commission Approvals (2004-2008)							
These are a few of the items that the Planning Commission reviews. The numbers provided are for approved items only. Any denied, deferred, docket, etc. items are not included in this table							
Year	Sign Applications (requiring PC approval)	Annual & Biennial Reviews	Conceptual/ Sketch CSMs	CSMs	Conceptual/ Sketch Plats	Preliminary Plats	Final Plats
2004	7	13	3	20	5	8	8
2005	5	13	2	15	2	6	6
2006	2	19	1	18	4	4	4
2007	1	20	2	17	2	2	1
2008	2	23	1	12	-	1	1

Table 2

Building, Site, and Operation Plans (BSO)

In 2008 the Plan Commission received 9 new BSO plans seeking approvals. This is the same amount as in 2007. All 9 of those were approved in 2008. Also in 2008, Plan Commission reviewed 15 BSO amendments seeking approvals, which is an increase from 13 in 2007. All of the amendments were approved in 2008.

BSO amendments can consist of a number of different items. Items that BSO amendments have contained are additions, alterations, accessory structures, site work (i.e. parking lot work, lighting, landscaping, fences, etc.), signage, etc. Some of the BSO items that the Plan Department and Plan Commission have reviewed are for single changes while others have been for numerous changes to entire sites.

Some of the major BSOs and BSO Amendments approved were for the following companies/organizations:

- Jimmy’s Express Car Wash – 3,600 Sq Ft New Building
- City of Muskego Park Arthur – Park Plan
- Safeway Pest Management – 4,032 Sq Ft New Storage Building
- Muskego County Park – 3,466 Sq Ft New Maintenance Building
- Muskego Municipal Water Tower – Moorland Road
- Municipal Well #13 – Structure and Site Layouts
- Tudor Oaks Retirement Community – Building Alterations, Additions, and Site Alterations
- Wal-Mart – 151,908 Sq Ft New Building

- Aud-Mar Condo Development – Conversion of Building to Condos
- Kwik Trip – Building Addition and Site Alterations
- Prototype Stamping – 4,752 Sq Ft New Building
- Kids Kampus Daycare – New Accessory Building
- Muskego Lakes Country Club – Site Alterations
- Bush Gardens – Building Alterations and Site Alterations
- G & W Patterns – 3,360 Sq Ft New Storage Building
- Cricket Communications Wireless Facility – Wireless Co-Location

Building, Site, and Operation Plans - BSO's (2004-2008)						
*NOTE: The numbers provided are for approved items only and any denied, deferred, docket, etc. items are not included in this count						
Year	Total BSO's Applied For	Total BSO's Approved	New BSO's Applied For	New BSO's Approved	BSO Amendments Applied For	BSO Amendments Approved
2004	24	23*	8	7*	16	16*
2005	45	41*	14	11*	31	30*
2006	33	28*	9	8*	24	20*
2007	22	19*	9	7*	13	12*
2008	24	24*	9	9*	15	15*

Table 3

Zoning Board of Appeals

The City of Muskego saw a decrease in the number of requested variances in 2008. This year there were 2 appeal petitions submitted for review in front of the Board of Appeals, which is down from 5 last year (*NOTE: Some petitions may have contained more than one variance request*). Both submitted appeals were granted in 2008. The Board of Appeals had the need to hold 2 meetings in 2008, which is down from 5 last year.

Zoning Board of Appeals (2004-2008)						
NOTE: Some petitions contained more than one variance. * One additional meeting was cancelled because there was not a quorum.						
Year	Number of Meetings Held	Total Variance Petitions	Variance Petitions Granted	Variance Petitions Denied	Variance Petitions Deferred (until next year)	Variance Petitions Withdrawn
2004	3	7	5	1	-	1
2005	7	9	5	3	1	-
2006	8	11	8	2	-	1
2007	5*	5	3	2	-	-
2008	2	2	2	-	-	-

Table 4

Land Development and Divisions

The Planning Department aided in the platting of new parcels in the City for residential use (See Map 1). All Plats and CSM's first receive a recommendation of Approval or Denial from the Planning Commission. After that, the Common Council makes the final

vote on the Plat/CSM, taking the Planning Commission’s recommendation into consideration. Here are some of those statistics relating to land divisions:

Subdivision Final Plats

During 2008, the Common Council approved 1 new final subdivision plat totaling 42 single-family lots and 6 outlots, consisting of 108.3 total acres.

As a comparison, in 2007 the City approved 1 final subdivision plats totaling 5 single-family lots and 1 outlot, consisting of 19.7 total acres.

As a reminder, there was a major change in the platting process that occurred in the middle of 2007. This change is the reason why the number of lots approved in 2007 was so low. There were additional lots that were included in the 2008 count due to this change. In the past the process was as follows: Preliminary Plat approval, Final Plat Approval, Construction Plan Approval, subdivision construction, new home construction. There were sometimes problems that arose and some developers were requesting to be able to build homes before the site construction (roads, sewer, water, grading, etc.) was complete to the City’s requirements. The newly revised process is now as follows: Preliminary Plat approval, Construction Plan Approval, subdivision construction, Final Plat Approval, new home construction. The new process helps ensure that all of the required site improvements are completed properly before any homes can be built within a development.

Year	Total Final Plats Approved	Total Single-Family Lots	Family Lots (2 units or more per lot)	Total Commercial Lots	Total Outlots	Total Acreage
2004	6	132	19*	1	17	156.56
2005	8	139	-	-	19	139.49
2006	4	124	14* (32 total units)	-	11	125.34
2007	1**	5**	-	-	1**	19.7**
2008	1	42	-	-	6	108.3

Table 5

Here is the approved Final Plat from 2008:

Belle Chasse (PD-47 – Belle Chasse Planned Development District)

- 42 single-family lots and 6 outlots
- 108.3 total acres (18.2 acres of residential lots, 85.6 acres of outlot, and 4.5 acres of right-of-way).
- The residential lots range between 17,906 square feet and 23,012 square feet in size.

This Subdivision is located east of Mystic Drive, on the west and east sides of Durham Drive, going all the way to Bluhm Park on the east. This subdivision is being developed in three phases. This plat is only for the first phase. The two other future phases are currently outlots set aside for more single-family

development. The overall plan for this subdivision includes about 128 total single-family lots.

Preliminary Plats

During 2008, the Common Council approved 1 preliminary plat, which is less than in 2007. In 2007 there were 4 approved preliminary plats.

Extraterritorial Plats

During 2008, there were no extraterritorial preliminary plats or any extraterritorial final plats submitted to or approved by the Common Council. In 2007 the City approved 1 extraterritorial preliminary plat and 3 extraterritorial final plats.

Condominium Plats

During 2008, there were no condo plats submitted to or approved by the Common Council. In 2007 there was 1 approved residential condo project containing 22 commercial units.

Also in 2008 the Common Council did not approve any apartment to condo conversions. This could be due to the fact that some of these conversions can be done through the recording of appropriate documents with the Register of Deeds, without formal City approval.

Certified Survey Maps (CSM)

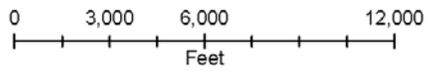
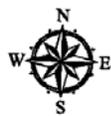
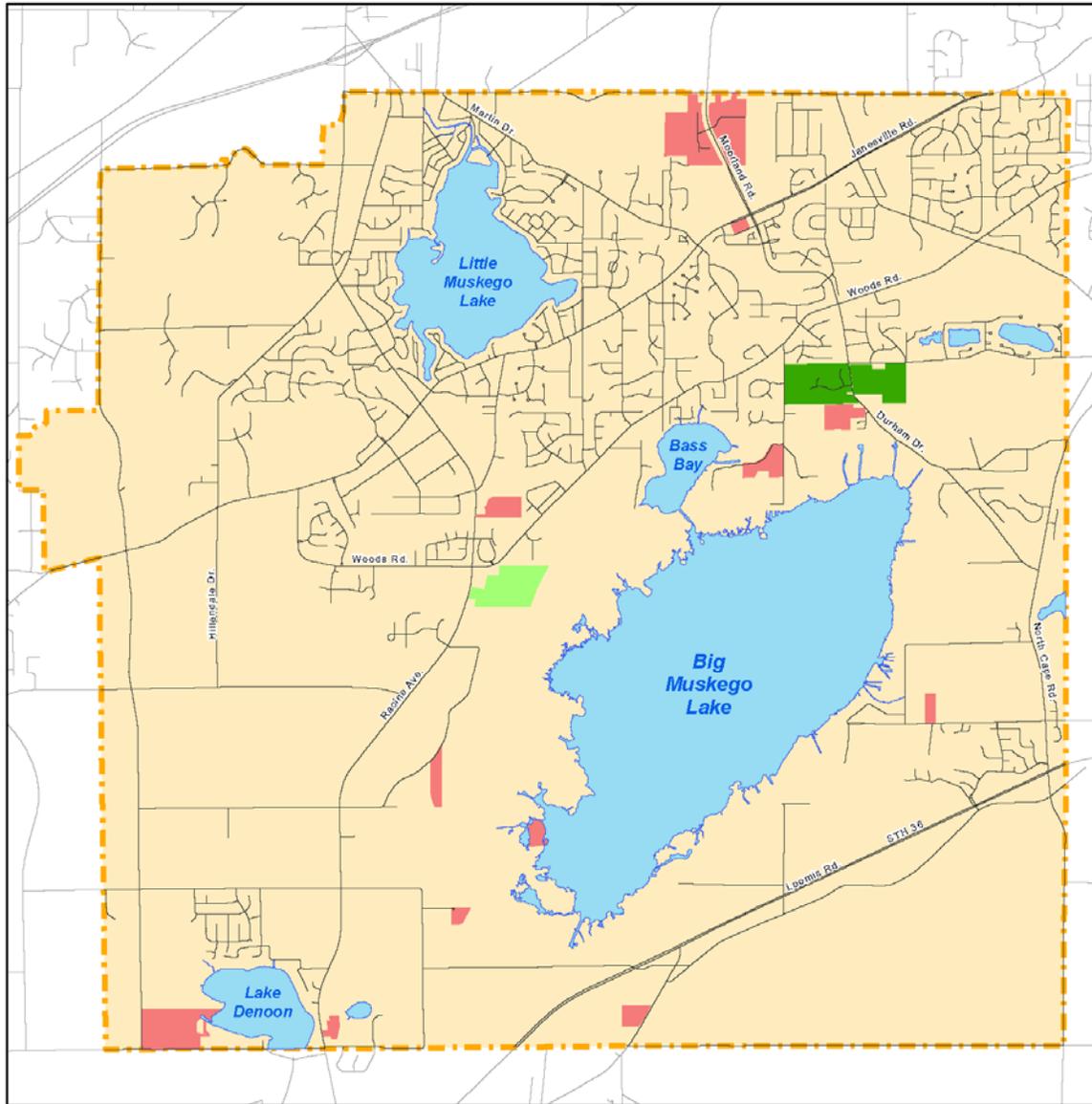
During 2008, the Common Council approved 12 Certified Survey Maps creating 21 new lots (35 total lots including the parent parcels). This is in comparison to 2007 when the City approved 18 Certified Survey Maps creating 21 new lots (44 total lots including the parent parcels). There were also 2 Certified Survey Maps that were re-approved in 2008 due to approval expirations.

CSM Approvals (2004-2008)			
NOTE: These are based upon final approvals from the Common Council. *These totals do not include any extraterritorial, re-approved, and/or denied CSMs.			
Year	Total CSMs Approved	Total New Lots	Total Lots Including Parent Parcels
2004	20	27	48
2005	18	33	53
2006	14*	17*	33*
2007	18*	21*	44*
2008	12*	21*	35*

Table 6

During 2008, 4 Extraterritorial Certified Survey Maps between the Towns of Vernon, Norway, and Waterford containing a total of 10 lots (including parent parcels) were approved. This is in comparison to 2007 when the City approved 14 Extraterritorial Certified Survey Maps containing 22 lots (including parent parcels).

Map 1 2008 Development and Land Divisions



Legend

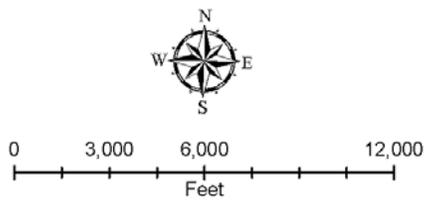
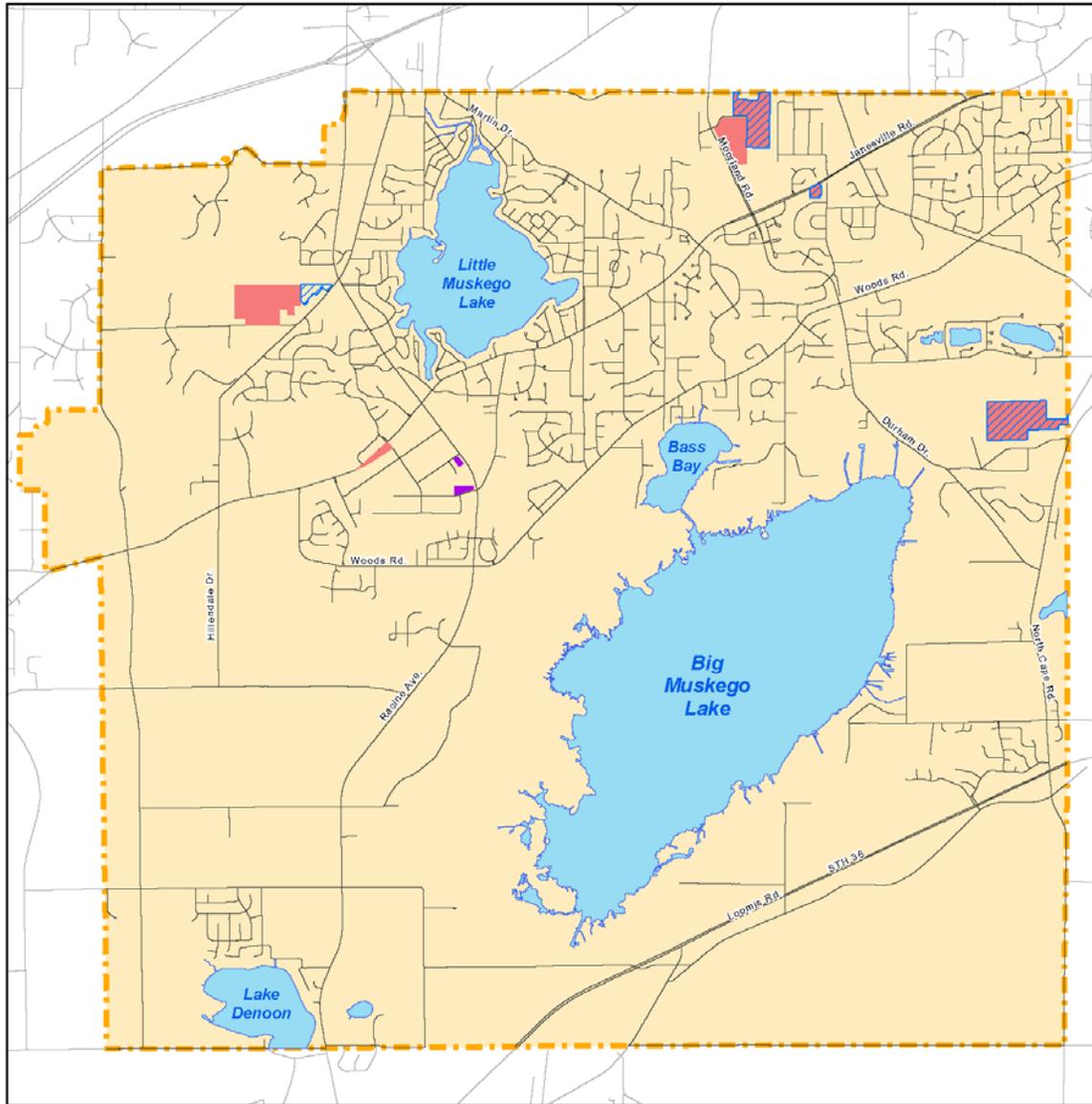
- Roadways
- Municipal Boundary
- Lakes
- CSM
- Preliminary Plat
- Final Plat

Rezoning, 2010 Plan Amendments, and Conditional Use Grants

In 2008 the number of submitted Rezoning and Conditional Use Grant requests dropped compared to the prior year, while the number of submitted Land Use Amendments rose (See Map 2). The overall approval percentage for these requests stayed the same as in 2007. Here is a look at how the uses/requirements of land changed in Muskego during 2008:

- *7 Approved Rezonings in 2008 out of 7 Requests* - The majority of the rezonings that occurred this year were for the purpose of a change in the allowed uses of the properties. Three of the rezonings were for the commercial/business developments in the Moorland Corridor. In fact, all of the rezonings, but one, were to commercial/business zoning districts or institutional zoning districts. In comparison to 2007, there were 8 rezonings that were approved in 2007. There were no rezonings requests that were denied in 2008.
- *5 Approved Comprehensive 2010 Plan Amendments in 2008 out of 5 Requests* - The City maintains an adopted Comprehensive Plan to guide the use of development in the City of Muskego. At times, this plan needs amending, usually in conjunction with rezonings, in order to allow certain land uses and/or densities. Amendments are warranted as land use patterns change over time due to roadway or other infrastructure improvements. There were no Comprehensive Plan amendments that were withdrawn or denied in 2008. In comparison to 2007, there were 3 Comprehensive 2010 Plan amendments that were approved in 2007.
- *1 Approved (new) Conditional Use Grant, 1 Amended Conditional Use Grant and 1 Conditional Use Grant Renewal in 2008* - Conditional uses are approved by the City's Plan Commission to allow other types of land uses on properties where it is believed the use needs additional or special review and/or requirements (such as annual reviews) in order to appropriately govern them. The new Conditional use was approved for a power sports dealership and the amendment was for a doggy daycare facility. The renewal was for an asphalt plant, which requires a review every year. In comparison to 2007, there were 4 approved (new) Conditional Use Grants and 1 renewal that occurred in 2007.

Map 2 Zoning, 2010 Land Use, & CUG Changes



Legend

- Roadways
- Municipal Boundary
- Lakes
- 2010 Land Use Changes
- Zoning Changes
- CUG Changes

Housing

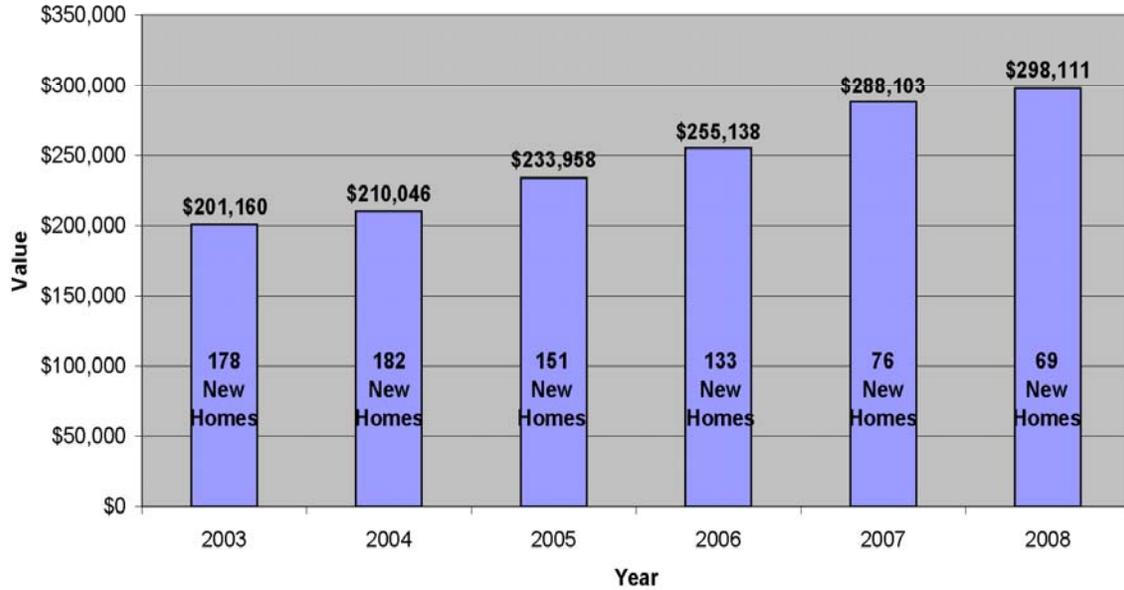
The Planning Department is highly involved in the building permit process for residential and commercial/industrial projects. Each permit is examined for conformity relating to a variety of aspects including setbacks, open space, height, floor area, Plan Commission approvals (if applicable), and other Zoning/Planning related items.

In 2008 there were 69 single-family new home permits issued, which is down from the 76 single-family new home permits in 2007. In 2008 we saw an increase in the amount of new construction permits in the commercial/industrial sector, but we saw a decrease in the number of commercial and industrial alterations/additions. In 2008 we had 7 permits for commercial and industrial new construction and 10 permits for commercial and industrial alterations/additions. In 2007 we had 22 permits for commercial and industrial alterations/additions and 2 permits for commercial and industrial new construction. See Map 3 for Single-Family Home Permit locations.

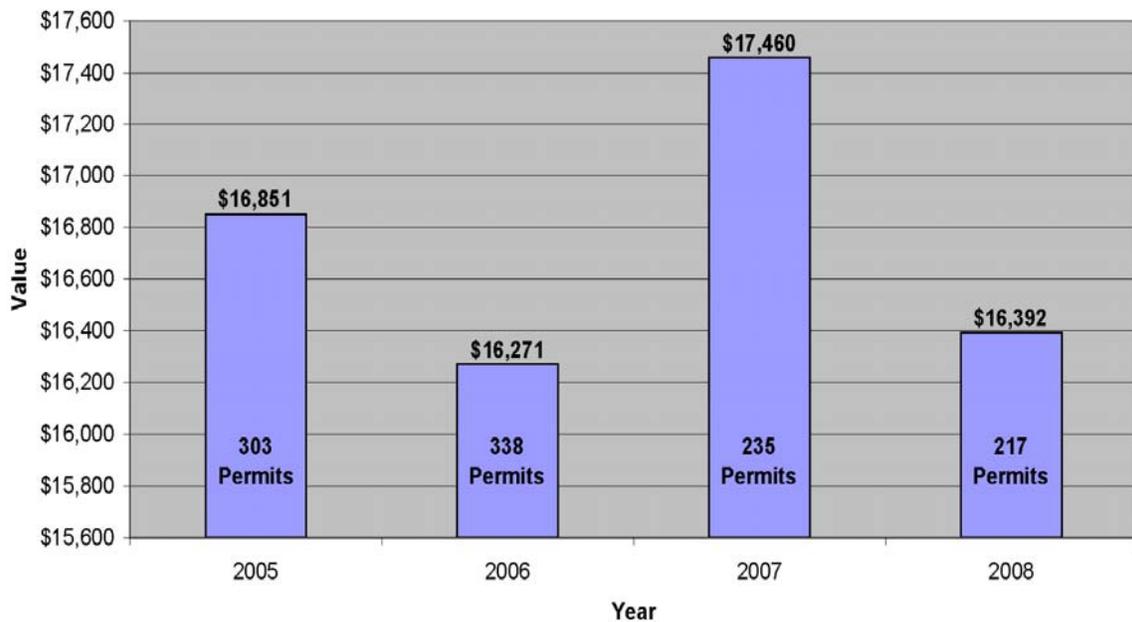
The following graphs show a variety of different housing and business related statistics that show how the City and the housing and business markets have been changing over the past few years.

The following information in Graphs 1-2 was taken from the information entered on the Building Permit applications. These relate to permits that have been issued and their reported values.

Graph 1
Residential New Home Average Valuation & Quantity (2003-2008)
(These values do not include land values.)

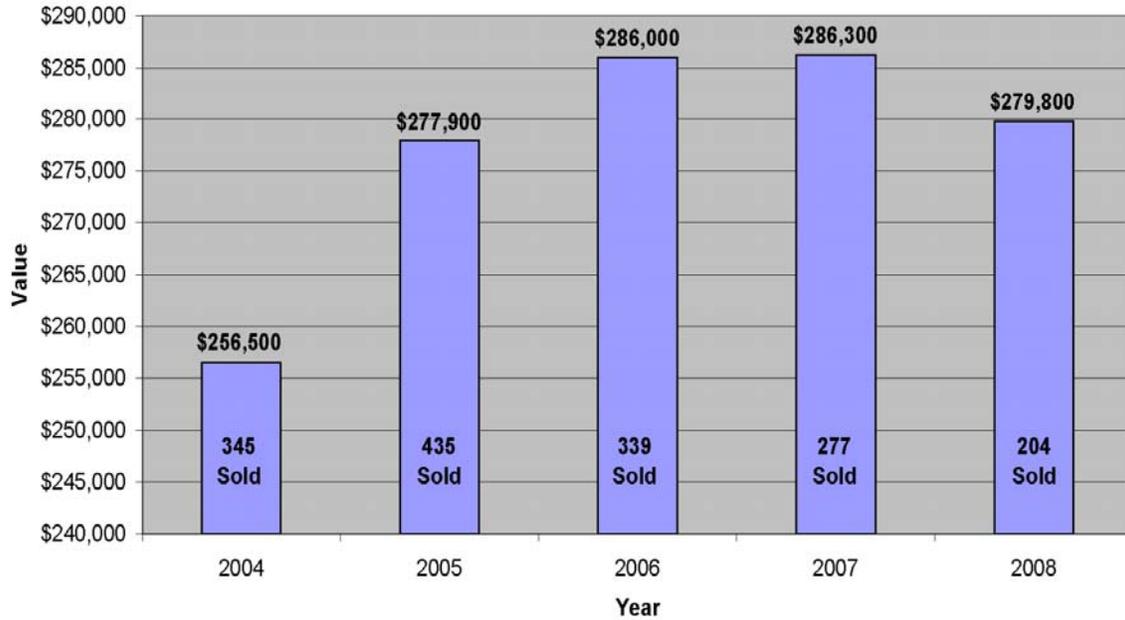


Graph 2
Residential Alterations/Additions/Decks Average Valuation & Quantity (2005-2008)

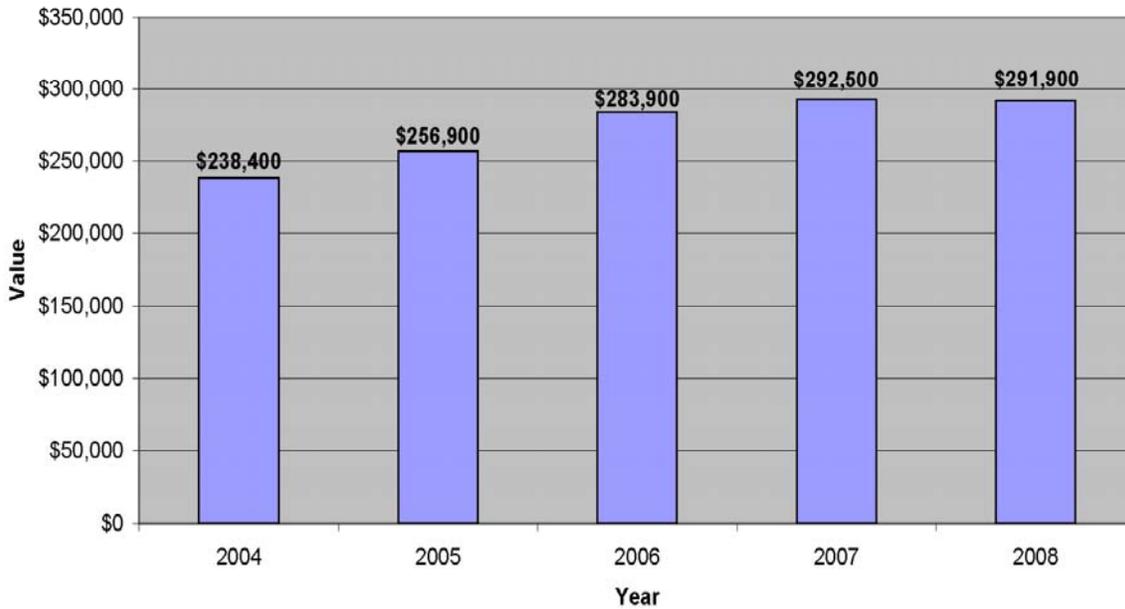


The following information in Graphs 3-6 was taken from the Assessor's records.

Graph 3
Average Single-Family Residence Sale Price & Number of Sales (2004-2008)
(Does not include foreclosures, but does include condos)

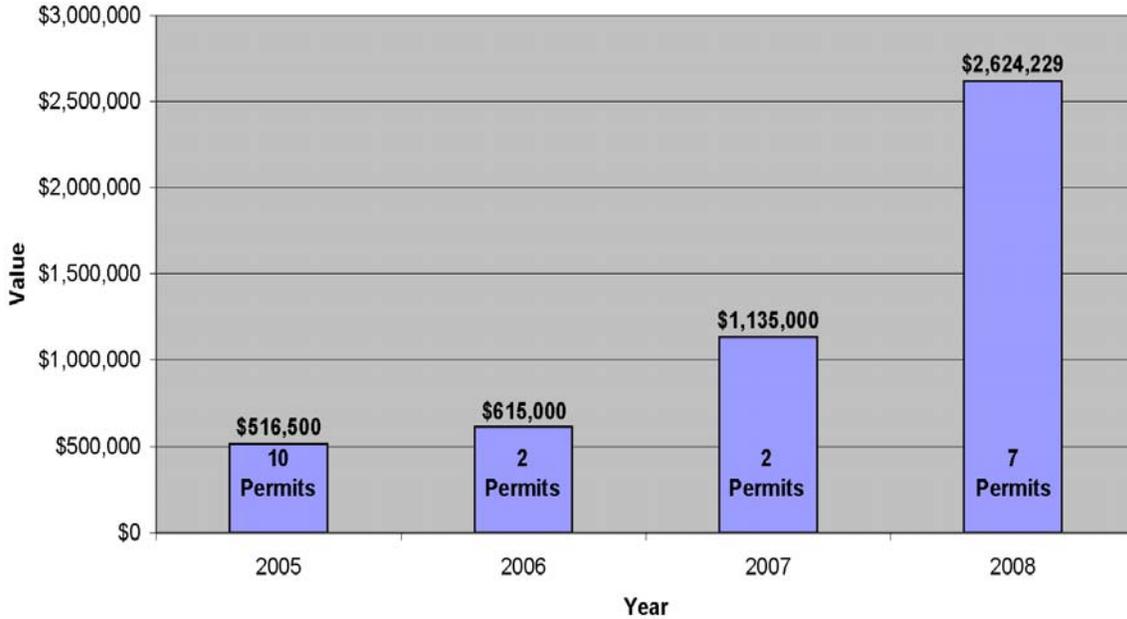


Graph 4
Average Equalized Value of Homes (2004-2008)
(There were re-evaluations done in 2005 and 2008. In past annual reports the assessment was used for this statistic instead of the equalized value, as used this year. This provides a better representation of market conditions.)

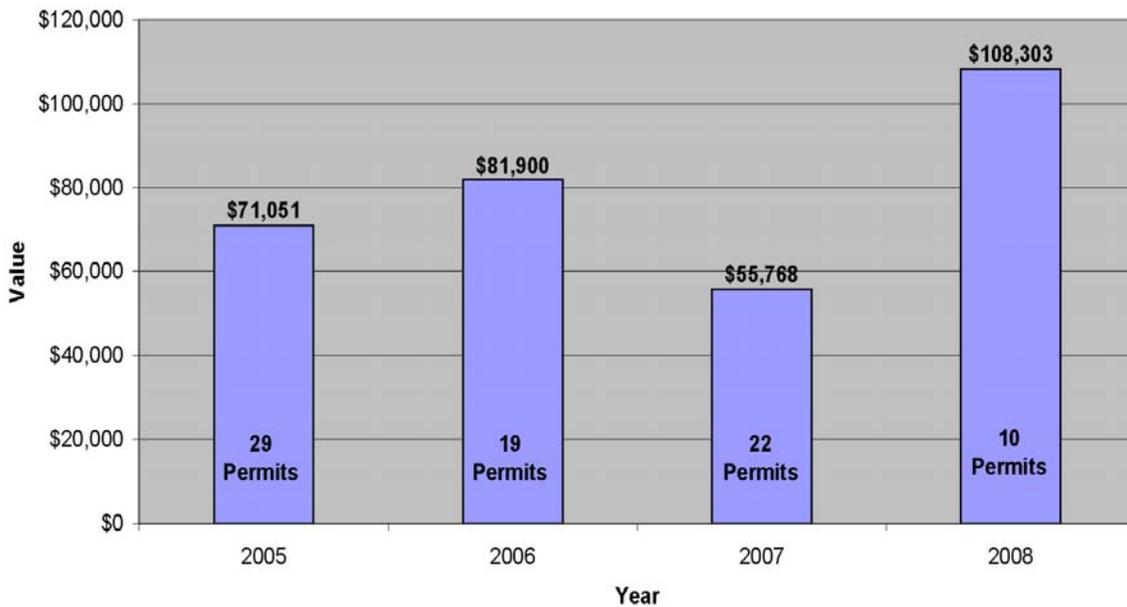


The following information in Graphs 5-6 was taken from the information entered on the Building Permit applications. These relate to permits that have been issued and their reported values.

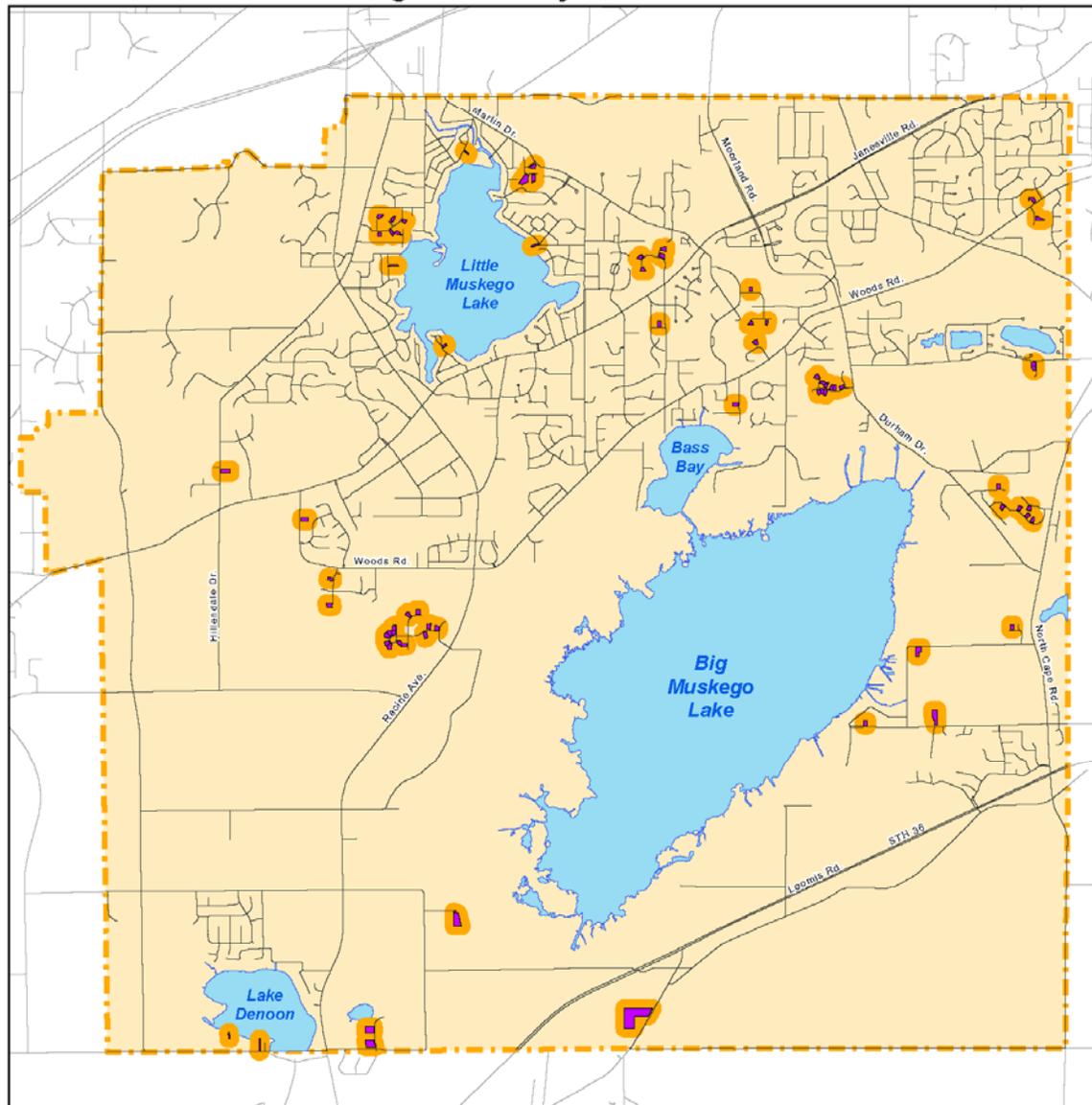
Graph 5
New Commercial & Industrial Average Valuation & Quantity (2003-2008)
(These values do not include land values.)



Graph 6
Commercial & Industrial Alterations/Additions Average Valuation & Quantity (2003-2008)



Map 3 2008 Single-Family New Construction



Legend

- Roadways
- - - Municipal Boundary
- Lakes
- 2008 Single-Family New Construction
- Built Areas - 300' Structure Buffer

NOTE: The "Built Areas - 300' Structure Buffer" is a representation of development nodes.

Geographical Information System Activities

GIS Day/Educational Outreach

In an effort to reach out to Muskego's youth, City GIS staff visited the 7th and 8th grade classes at Bay Lane and Lake Denoon Middle Schools for the second consecutive year. The students were introduced to GIS concepts and learned how GIS is used by various departments within the City of Muskego. Students also engaged in various GIS activities, including exercises in which the student's analyzed historical aerial photography, located points of interest within the city, and located their own homes using a newly created prototype of the MapMuskego Interactive Mapping Website. GIS staff will continue to work with future middle school students in an effort to provide continuing education in GIS.

DISCOVERING THE WORLD THROUGH GIS2008

COMPONENTS OF A GEOGRAPHIC INFORMATION SYSTEM

- **Computer Hardware**
- **Software**
- **Data**
- **Methods**
- **A thinking operator**
- **—that's YOU!**



The diagram shows a central gold cylinder labeled 'GIS' connected by lines to five categories: 'SOFTWARE' (represented by a green box with 'GIS' on it), 'DATA' (represented by a globe and a map), 'METHODS' (represented by an open book), 'PEOPLE' (represented by three stylized human figures), and 'HARDWARE' (represented by a computer monitor and keyboard).

Example of Class Presentation Material

ESRI International User Conference



In August 2008 the City's GIS Coordinator attended the annual ESRI International User Conference in San Diego, California. Attending this conference has allowed the GIS program to gain better knowledge into existing and new ESRI software products, data management techniques, and application development strategies. In addition, City staff was able to meet one-on-one with ArcGIS Server software developers and systems engineers to discuss hardware implementation and system design strategies that will work best for the City. City staff also attended training seminars that focused on ArcGIS Server development platforms such as Java, .NET, Flex, and JavaScript.

GPS

In 2008 the City of Muskego purchased a high accuracy Trimble GPS data collection and mapping system. This GPS system will be used by City staff to map and collect field data on public sanitary sewer, storm sewer, and water utility systems. Mapping of these utility systems is critical for accurate inventory, modeling, and reporting purposes. Various other City GPS mapping and asset inventory projects have also been planned, including: address points for E911, invasive species management areas, road signs, and urban forestry tree surveys. Once collected, this GPS information will be integrated into the City's existing GIS system allowing staff and public users to make better and more informed decisions.



Large-Format Printer/Scanner/Copier Multifunction System

Due to increasing large-format printing/scanning/copying demands from City Departments and the community, the purchase of a new large-format multifunction system was necessary in order to maintain City workflows and customer service levels. This multi-function system is comprised of two machines that work as one unit. The equipment consists of a KIP 3100, which is a large-scale monochrome toner based copier/printer with a large-format full color scanner. This machine is then connected to a Canon iPF810 large-format full color printer. This new multifunction system will be able to scan and digitally archive large-format plans, drawings, and maps while being able to meet other demands from City Departments and the community.



KIP 3100 Scanner/Copier/Printer



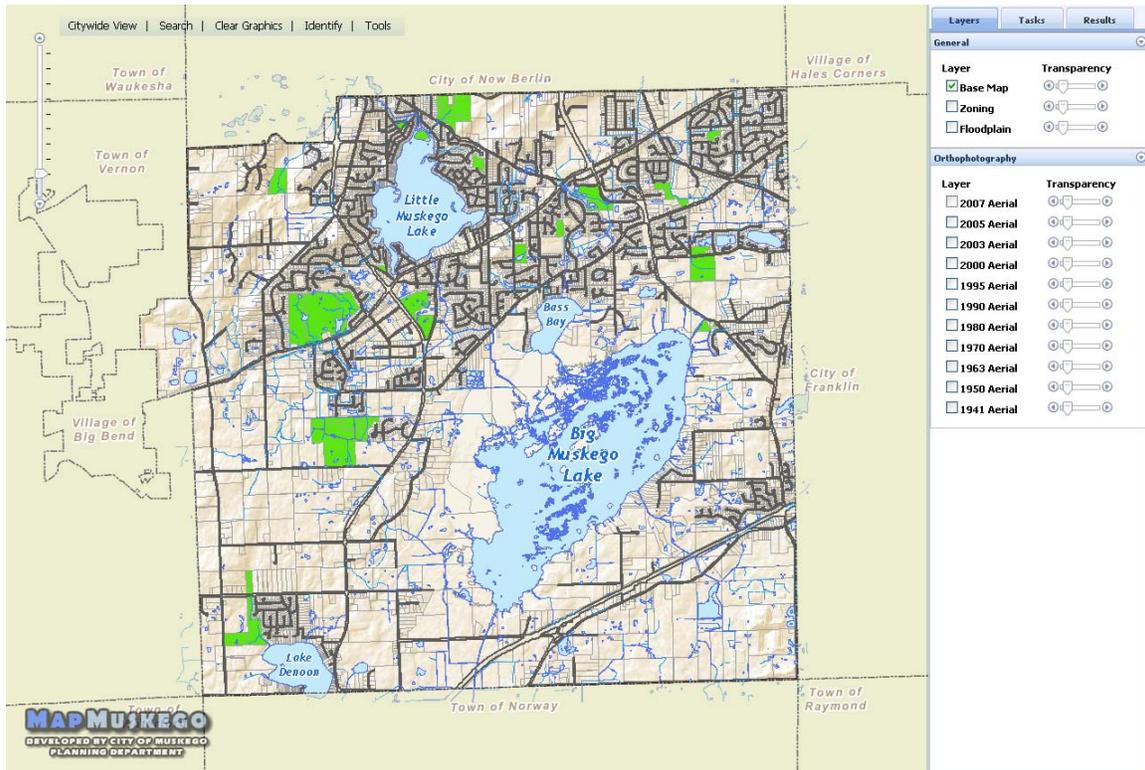
Canon iPF810 Color Printer

ArcGIS Server

In September 2008, the City implemented ESRI's ArcGIS Server, a new server based GIS solution that will enable the City to distribute maps and GIS capabilities over the Web to improve internal workflows, communicate vital issues, and better engage

stakeholders. After successfully implementing new server hardware and configuring the ArcGIS Server environment, development began on a new prototype GIS web application that leverages the ArcGIS Server JavaScript and Dojo API's.

The purpose for developing this new web application was to utilize new functionality available in ArcGIS Server, such as map-caching and geo-processing, while building a simple yet powerful GIS web application for “non” GIS users, focusing on performance, functionality, intuitiveness, and ease of use. Based on the success of this prototype application, ArcGIS Server web applications will soon replace the City’s existing MapMuskego interactive mapping system and allow the GIS program to better and more efficiently meet the GIS needs of staff and the public.



Prototype of the Developing MapMuskego Web Mapping Site

ESRI Wisconsin Users Group (EWUG)



In October of 2008 the City of Muskego GIS program received statewide recognition when asked to showcase the new ArcGIS Server prototype web application at the annual ESRI Wisconsin Users Group (EWUG) Conference held in Appleton. EWUG is a statewide group that meets annually to discuss ESRI GIS software related topics, technical issues, conduct seminars, share ideas, and network with other professionals in the GIS field.

Lakes, Conservation, and Urban Forestry

Lakes

During 2008, Little Muskego Lake plans were finalized and a DNR permit was obtained to conduct a project to restore the shoreline of Holz Island. This one-acre, City-owned conservation site has areas of shoreline with moderate to severe erosion. The project will be implemented beginning in 2009.



Holz Island – Little Muskego Lake

In 2008 Big Muskego Lake experienced a partial winter kill in 2008. Winter kill is a natural phenomenon for shallow lakes in which fish are lost due to the depletion of oxygen. Staff worked with the Wisconsin DNR to monitor oxygen levels and aerate Bass Bay, thus saving a significant portion of the fish population.

Routine water quality monitoring continued in all major water bodies. Each lake covered their associated costs for lab testing – allowing these conservation dollars to be spent on other projects. Similar to other lakes in the region this past summer, Muskego's lakes had a rather high incidence of plankton algae and filamentous algae – most likely due to an influx of nutrients from June's heavy rain event. Toxic blue green algae was discovered on Bass Bay. This naturally occurring cyanobacteria can cause illness to humans when they are exposed to significant amounts. Shoreline residents were notified to avoid areas of algal accumulations until the nuisance subsided.

The flood of June 2008 caused other problems on the City's lakes. To minimize damage to piers, watercraft, and shorelines, "slow no-wake" restrictions were implemented for several days until waters receded. On Big Muskego Lake, cattail bogs dislodged from the lake bottom and drifted about the lake. Many became lodged in the access and lake outlet channels, impeding navigation and causing a potential hazard at the dam. The Conservation Coordinator and his assistant worked with Department of Public Works staff and Lake District Deputy Commissioners to clear the material and construct a temporary debris barrier near the lake outlet. Plans are being implemented to deploy a permanent debris barrier to alleviate or minimize future nuisances.

Conservation

The Conservation Coordinator filed the necessary nomination paperwork to have Big Muskego Lake recognized as an "Important Bird Area" by the Wisconsin Bird Conservation Initiative. With the diverse assemblage of birds including many endangered, threatened, and rare species, the lake and associated marsh are a unique asset to the community. Official recognition of the value of this resource should merit greater consideration for State grant assistance and land protection measures.

Engel Conservation Area

Engel Conservation continues to develop through the efforts of volunteers in and around the community. Significant projects included:

- Assisted Eagle Scout candidate Austin Winkler in his project to construct a stream/wetland boardwalk crossing on a hiking trail and place six wood duck nesting boxes at the Engel Conservation Area.
- Blazed a ¼-mile trail through woodlands on the northeast side to complete the loop which extends around the entire WRP wetland restoration site. Updated the trail map.
- Held two field trips for youths: one for a brownie troop and one for a natural landscaping group children's outing.
- Worked with volunteers to control nonnative, invasive plants and collect prairie seed for future land restorations.
- Removed hazard trees adjacent to hiking trails.
- Worked with Fire Department and DPW staff to raise the dilapidated house on the property.
- Worked with the City Engineer, Dave Simpson, to have the parking lot paved by a contractor.



Wild Ones Natural Landscaping Organization Children's Outing at Engel Conservation Area.

Other Conservation Projects

- Conducted controlled burns at Blattner Preserve, Bluhm Park, Engel Conservation Area, Luther Parker Cemetery, and Denoon Park. These burns invigorate prairie plants and help minimize invasive plant growth.
- A sign was placed at Blattner Preserve to recognize the land dedication from Creative Homes and commemorate the Blattner family. Native plants will be introduced to the site to recreate an oak savanna that was locally a common land cover type before European settlement.
- Preliminary plans were made to establish native prairie vegetation on City-owned conservation lands south of the Moorland Skateboard Park.

Urban Forestry

Muskego was recognized by the National Arbor Day Foundation as a Tree City USA for the ninth consecutive year. Next spring will mark the ten year milestone. The designation is given to communities who promote the planting and benefits of trees and

demonstrate a commitment to their management. The following are a few of the forestry projects completed in 2008:

- Planted trees along Sandalwood Drive and at Bluhm Park, Kurth Park, and Old Town Hall.
- Reviewed landscape plans and oversaw plantings along the Moorland Road gateway.
- Pruned several park trees.
- Held an Arbor Day Celebration at the Engel Conservation Area.
- Hosted a DNR tree care workshop for community foresters from neighboring communities.

Economic Development Activities

Tax Incremental District #10

As discussed in the 2007 Annual Report, Tax Incremental District (TID) No. 10 was approved in 2007 for an area just south of the City of Muskego border at College Avenue on the east and west portions of Moorland Road. The TID was approved in hopes to set the stage for future business development in this area of Moorland Road in which the City has had zoned for business and commercial use for the past few years. Further, the TID was proposed to aide the construction of the infrastructure, roadways, and the construction of a worldwide distribution center for GE Healthcare and included monies to improve Moorland Road with lighting, landscaping, and signage to further improve this gateway into the City.



New GE Healthcare Building – In construction

Well, in 2008 the planning Department was able to make the proposed TIF improvements a true reality. While GE started construction of their 485,000 square foot regional distribution facility, the City began the Moorland gateway improvements. The end of 2008 transformed this area of Moorland Road into a new regional business center that Muskego can be proud of. The gateway elements now include new signage, lighting, and landscaping that are unique to the future development we wish to encourage. Additionally, the GE development set the stage for new businesses to this area with the addition of new roadway patterns and infrastructure improvements that allow new “pad ready” business parcels.



New Gateway Entry Sign along Moorland Road

A few new unanticipated developments also took place with the TIF boundaries during 2008. The City of Muskego was approached by Wal-Mart to develop a 152,000 square foot Supercenter and a rezoning to include more room for business park related uses (300,000 square feet+) around the proposed Wal-Mart were submitted for on the east side of Moorland Road. Both proposed developments received considerable input from Muskego boards and residents. The developments were ultimately approved and should look to pay off the TIF in a quicker timeline.



Wal-Mart Building Elevations

In 2009, the City will be looking to encourage more business park and commercial development along this corridor. Wal-Mart should begin development of their structure in Spring 2009 and more “pad ready” building pads will be created that will should foster more economic development opportunities for Muskego while allowing more options for Muskego residents to work and shop.

Mayor’s Task Force on Economic Development

The Mayor’s Task Force on Economic Development (MTF) left off right where 2007 ended by implementing a variety of study groups tasked with determining the most appropriate developments for the future of the downtown (along Janesville Road), while also determining the needs of the businesses as the future reconstruction of Janesville Road comes to pass. By the end of the year, the MTF formulated an Aid Packet that dealt with those needs heard from the community. The Aid Packet will evolve as needs change but provides the existing and prospective business owners of the downtown mechanisms to receive grants and loans for future redevelopment and development projects. Further, the aid packet demonstrates the many opportunities a landowner has in planning their site (zoning, signage, stormwater options, etc.).

The Planning Department will continue to work with the MTF in the coming years to lead the economic development efforts in the downtown and the other Action Areas of the City that have been previously identified by the MTF (Action Areas discussed and found in the 2007 Annual Report).

Community Development Authority

The Planning Department led the efforts of the City's Community Development Authority (CDA) during the course of 2008. The CDA's main focuses were redeveloping the existing Muskego Industrial Park and how we can better apply the City's Redevelopment District #2 Plan to the downtown now that the Janesville Road reconstruction route is known.

The CDA helped coordinate a few industrial park owners breakfast meetings in cooperation with Phil Ziegler from InPro Corporation. The meetings were used as a basis for determining what the needs of the park were in order to further prosper business in this location. Ultimately, surveys were sent out to all tenants and owners so all perspectives were found. The CDA ended 2008 by setting a February 2009 date for the public hearing and subsequent adoption of a new Redevelopment District #3 Plan that will specifically help implement the desired future needs of the Industrial Park. The new Plan will include measures for cleanup, beautification and grant/loan programs.