



BROOKFIELD

OPEN SPACE PLAN

December 2014



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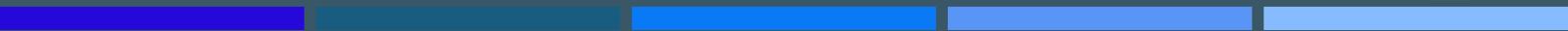
PLANNING TEAM

Hitchcock Design Group, Landscape Architecture & Planning

Table of Contents

- 5** Chapter 1: Introduction
 - Page 9: Aerial Map
- 13** Chapter 2: Inventory & Analysis
 - Page 15: Inventory Map
 - Page 19: Natural Features Map
 - Page 21: Trails Inventory Map
 - Page 25: Amenities Location Map
 - Page 29: Planning Areas Map
 - Page 30: Mini Park Level of Service Map
 - Page 32: Neighborhood Park Level of Service Map
 - Page 34: Community Park Level of Service Map
- 37** Chapter 3: Parks & Open Space Inventory
- 63** Chapter 4: Needs Assessment
- 75** Chapter 5: Strategies & Recommendations
- 85** Chapter 6: Implementation and 5-year Plan
- 93** Chapter 7: Appendix





1

introduction



Introduction

The Village of Brookfield last prepared an Open Space plan in 1998 and completed an update in 2003. Developing a new plan of action for the next five years was spawned by evolving demographics and the completion of most of the recommendations, including extensive renovations at both of the Village's community parks.

WHY PLAN

This plan will:

1. Assess and identify park and open space needs
2. Develop strategic, measurable, and obtainable recommendations
3. Develop a five-year action plan for implementation and funding

PLANNING PROCESS

The planning process covers six key stages: Assess, Connect, Envision, Prioritize, Plan, and Implement. The results of the first five stages have been compiled and synthesized into this Open Space Plan document, while the sixth stage - implementation - is to be completed through the use of this document.

The planning process began in the spring of 2014 with an extensive inventory and analysis of the Villages's parks and open space, social, and economic context. Next, Village Board members, staff, and community members provided insight on the issues and needs facing the Village of Brookfield through several forms of

community input. Visioning sessions and charrettes as well as using an online engagement portal helped the team to then develop the Open Space Plan recommendations. After input and review from the Board of Trustees and staff, the team prioritized the action items for the five-year implementation plan.

FUNDING

This Open Space Plan was funded by the ComEd Green Region Grant program. Openlands, a conservation organization based in the greater Chicago region, has partnered with ComEd to provide grant opportunities to municipalities in Northern Illinois to "support existing open space projects that focus on conservation, preservation and improvements to local parks and recreation resources." The Village of Brookfield was 1 of 22 Green Region Grant recipients in 2014.

GOALS

Goals for this Open Space Plan include:

1. Assess the needs of the current population
2. Determine what improvements, changes or additions should be made to existing parks and open space
3. Plan for park and open space enhancements.
4. Enhance and establish local and regional trail linkages
5. Develop a prioritized list of goals, targeting an initial five-year assimilation period

HOW TO USE THE PLAN

This master plan document should be used by the Village's staff and Board as a guide for development to determine the primary action items over the next five years. The plan should be thought of as a "working list" and items should be checked off the list once they have been completed.



STRUCTURE OF THE DOCUMENT



CHAPTER ONE

Introduction

Provides an overview of the Village of Brookfield. Summarizes the geographic, historic, demographic, organizational, and financial profiles of the community. References other relevant planning documents used during the development of this plan.

CHAPTER TWO

Inventory & Analysis

Provides a detailed inventory of all park land and open space. An analysis of the demographics, natural features, and trails is represented. Classifies and quantifies all Village park land based on standards, size, location, and amenities. An Equity Mapping and Level of Service Analysis was conducted to determine the Village's planning areas and to document level of service that the Mini, Neighborhood and Community Parks provide to the residents.

CHAPTER THREE

Park and Open Space Inventory

Offers a snapshot of the existing conditions for all parks and open space during the time of this Open Space Plan. Catalogues individual parks and natural areas documenting observations on each property's context, natural features, site design, existing health and safety conditions, users and programs, as well as recommendations. Provides

CHAPTER FOUR

Needs Assessment

Documents the park, facility, and programming needs of the community based on results from the community needs survey, focus group meetings, stakeholder interviews, and Board of Trustees and staff workshops. Documents input received through the online engagement platform and identifies current issues based on information gathered during the Inventory and Analysis phase.

CHAPTER FIVE

Strategies & Recommendations

Identifies specific projects and improvements for the following categories:

1. Existing assets
 - i. Village-wide Strategies
 - ii. Existing Parks and Open Space
 - iii. New Parks and Open Space
 - iv. Trail Corridors and Linkages

CHAPTER SIX

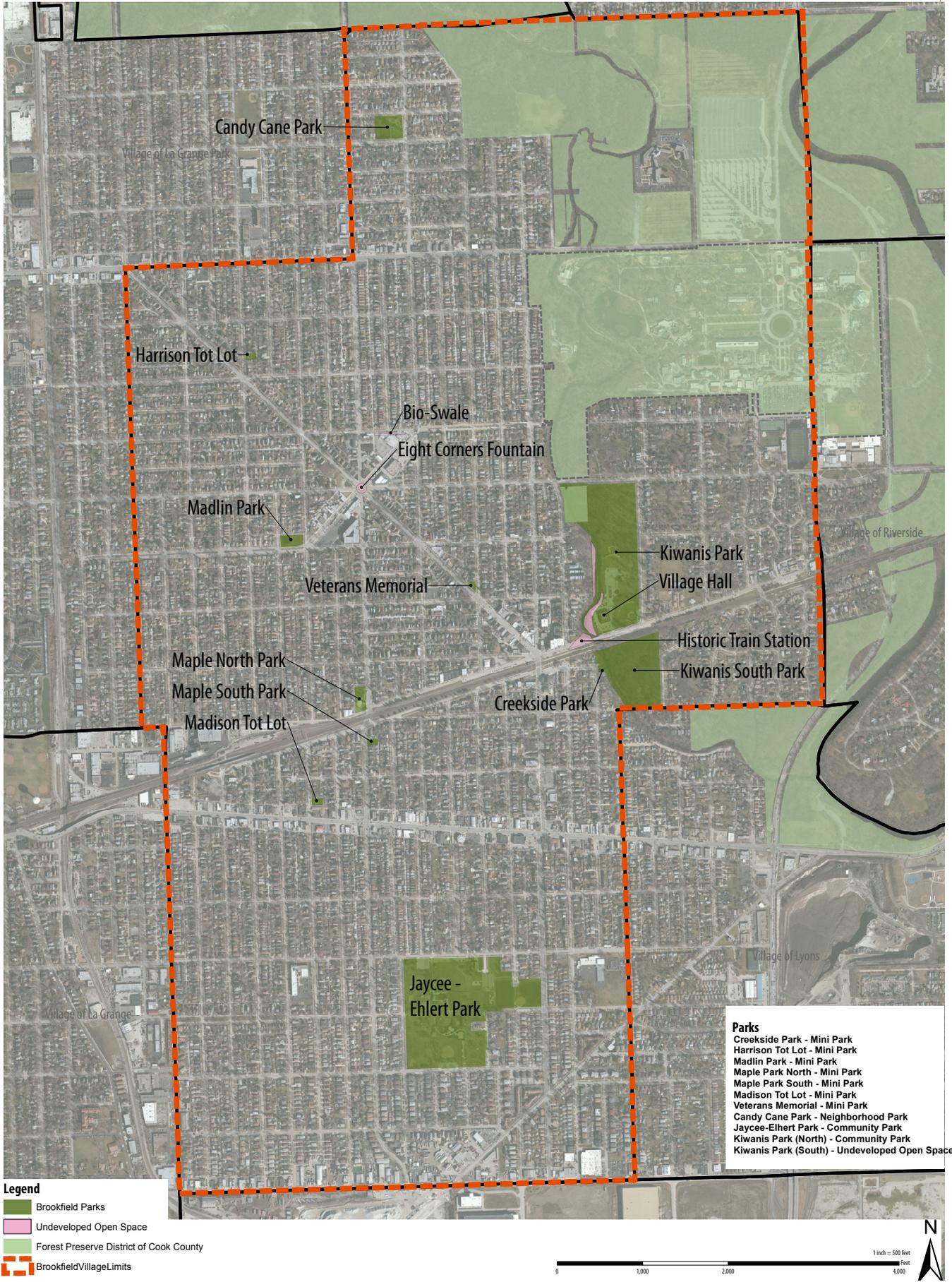
Implementation and 5-year plan

Identifies action items directly related to the plan recommendations and determines policy, funding, acquisition, master planning guidelines, design, construction, and programming priorities for the next five years. Provides deadlines for grants and other applicable funding sources.

CHAPTER SEVEN

Appendix

Supplemental information from community needs Assessment, meeting summaries, and excerpts from other planning documents.



Legend

- Brookfield Parks
- Undeveloped Open Space
- Forest Preserve District of Cook County
- Brookfield Village Limits

- Parks**
- Creekside Park - Mini Park
 - Harrison Tot Lot - Mini Park
 - Madlin Park - Mini Park
 - Maple Park North - Mini Park
 - Maple Park South - Mini Park
 - Madison Tot Lot - Mini Park
 - Veterans Memorial - Mini Park
 - Candy Cane Park - Neighborhood Park
 - Jaycee-Ehlert Park - Community Park
 - Kiwanis Park (North) - Community Park
 - Kiwanis Park (South) - Undeveloped Open Space





District Profile

In late 1893, Grossdale was established and later changed its name to the Village of Brookfield in 1905 and is now a “historic village” in Illinois. The purpose of its Recreation Department is to provide recreational facilities, activities and programs to its residents, as well as non-residents.

MISSION STATEMENT

The Village of Brookfield strives to maintain and enhance the quality of life for all citizens of Brookfield by providing park, recreation, and leisure opportunities

**... by developing, maintaining,
preserving, and enhancing
recreation areas and open space
in the most cost efficient manner.**

GEOGRAPHIC LOCATION

The Village of Brookfield is located in Cook County, Illinois, 13 miles west of Downtown Chicago and has a jurisdictional planning area of 3 square miles. Neighboring villages include

LaGrange Park, North Riverside, Riverside, Lyons, McCook, and LaGrange. Neighboring Villages and recreation departments include Community Village of LaGrange Park, North Riverside Parks Department, Village of Riverside, Lyons Parks Department, McCook Village, and the Village of LaGrange.

HISTORY

The Village of Brookfield has abundantly rich history with too much to adequately recap in this document. However, the following notable events that are relevant to the parks and open space system within the community provide a timeline in which the Village has developed.

1893-Grossdale established.

1905-Name changed to Village of Brookfield.

1934-Chicago Zoological Park opens, now called Brookfield Zoo

1958-Village Public Works Department installs traffic circle, known as “eight corners”

1976-Brookfield named a “Bicentennial Community” and gets one of 11 replicas of the Liberty Bell cast from the same mold as the original in Philadelphia.

1981-Brookfield is named a “Tree City, USA” and the Water Tower now featuring the famous dolphins from the Brookfield Zoo is constructed.

1987-Village of Brookfield and City of Moe, Australia became sister cities.





2

inventory & analysis

Inventory & Analysis

Provides a detailed inventory of all park land and open space. An analysis of the demographics, natural features, and trails is represented. Classifies and quantifies all Village park land based on standards, size, location, and amenities. An Equity Mapping Analysis was conducted to determine the Village's planning areas and document the level of service that the Mini, Neighborhood and Community Parks provide to the residents.

PURPOSE

The Inventory & Analysis Chapter of the report illustrates and describes the existing conditions of the Village. The information in this chapter was used to develop a better understanding of the many factors impacting the Village and individual park facilities. This chapter holds a wealth of information including detailed maps of the Village that display locations of parks, trail, forest preserves, and other relevant land uses. Maps illustrating natural features and systems present within the Village and tables identifying all park land, open space, and amenities are present as well. This chapter also includes the equity mapping analysis completed to analyze the park distribution and review the degree to which the Village and its systems are serving the residents.

EXISTING CONDITIONS

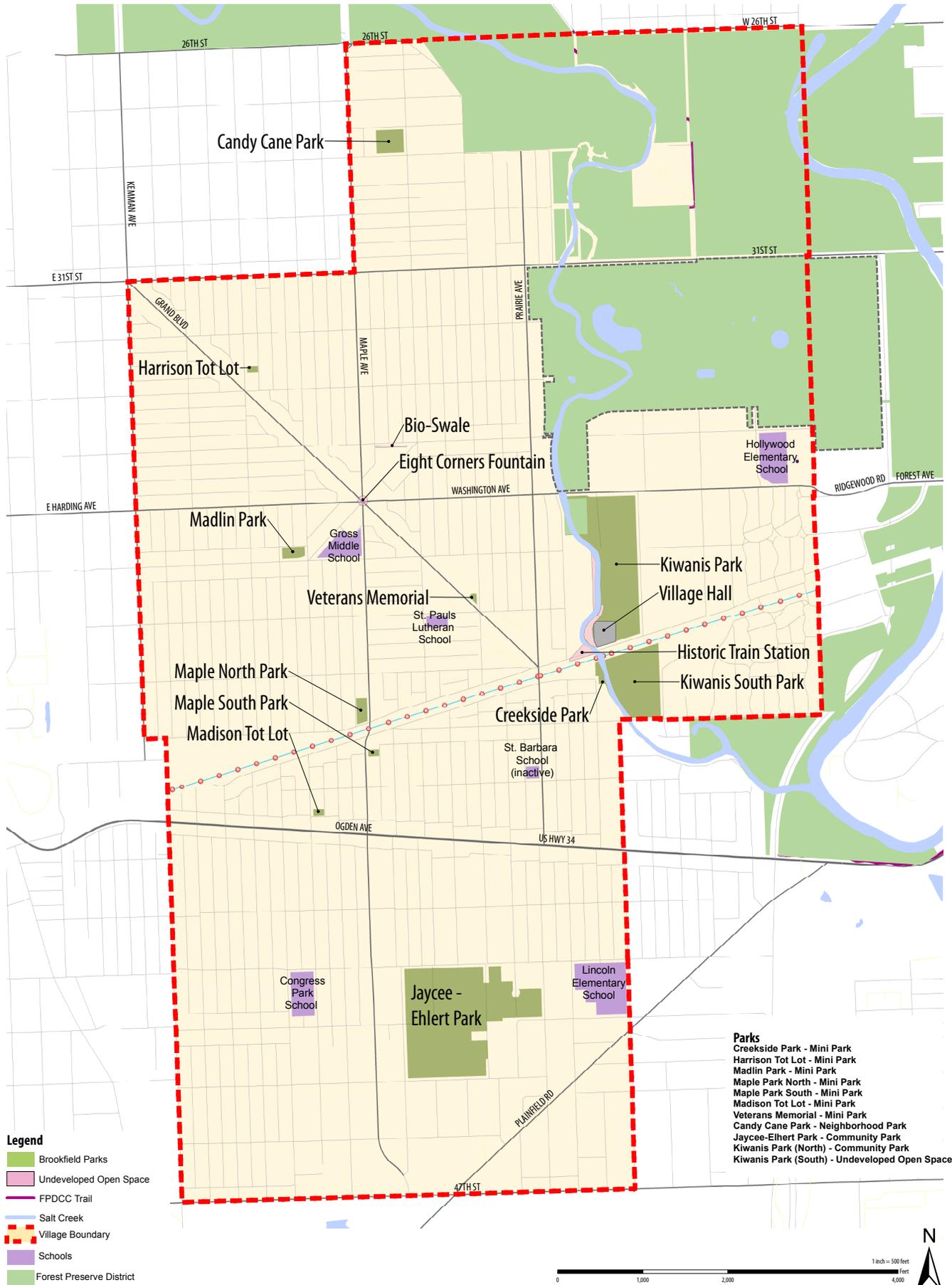
Maple Avenue serves as a main north-south corridor in the Village connecting residential, commercial, and industrial developments. 31st Avenue, Washington Avenue, and Ogden Avenue serve as the primary east-west connections. The

commuter and freight railroad divides the community north and south and is located primarily along commercial and residentially zoned parcels. Grand Avenue runs from the north eastern corner of Brookfield to the center of the Village, Eight Corners one of the prime commercial districts in the community. The other significant commercial development is located along Ogden Avenue (US Hwy 34).

Very few designated and downtown bicycle routes currently exist within the Village. A trail head at a regional trail connection in the Forest Preserve District of Cook County is located on the north side of the Village.

The Village of Brookfield is serviced by several public school districts; Districts 95 and 96, Districts 102 and 103, Lyons Township High School District 204, Riverside Brookfield Township District 208, as well as private educational facilities; two private high schools and two private elementary schools (an additional school is present but is inactive).

The zoning and land uses that impacted this Open Space Plan are (A/A-1/A-2/A-3) Single Family Residence, (B/B-1/B-2) Multiple-Family Residence, (C-1) General Service, (C-2) Restricted Planned Service, (C-3) Centralized Commercial, (C-4) Local Retail, (C-5) Restricted Local Retail, (C-6) Restricted Special Service, (I-1) General Light Industrial, (I-2) Restricted Light Industrial, (S-1) General Open Space, and (S-2) Restricted Planned Open Space District. The Official Zoning Map of the Village of Brookfield (rev. 2014) can be found in Chapter 7: Appendix for reference.



- Legend**
- Brookfield Parks
 - Undeveloped Open Space
 - FPDCC Trail
 - Salt Creek
 - Village Boundary
 - Schools
 - Forest Preserve District

- Parks**
- Creekside Park - Mini Park
 - Harrison Tot Lot - Mini Park
 - Madlin Park - Mini Park
 - Maple Park North - Mini Park
 - Maple Park South - Mini Park
 - Madison Tot Lot - Mini Park
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 - Jaycee-Ehlert Park - Community Park
 - Kiwanis Park (North) - Community Park
 - Kiwanis Park (South) - Undeveloped Open Space



Inventory Map

Demographics

The demographic analysis utilized the Environmental Systems Research Institute (ESRI) Business Analyst Software to gather the necessary, up-to-date demographics needed to gain an understanding of the Village.

SUMMARY

A diverse and highly-engaged community, the Village of Brookfield is home to approximately 18,981 people. Since the 2010 census, the Village has grown at less than 0.05% and is projected to continue grow at a similar rate into 2018. Almost 67% of the district's households are composed of families, and the average household size is 2.54 persons. According to ESRI's tapestry segmentation profile for this population, we can assume that about half of these households are composed of married couples, of which a little less than half have children. The village has a more mature population, with a median age of 40.4. Over 25% of the population is 55 or older, a proportion which is expected to grow slightly in 2018.

The Village of Brookfield has a median household income of \$65,555 – which is roughly \$14,000 above the US median. With a median age of 40.4 and a per capita income of \$31,036, most residents are in or approaching their peak income earning years. At almost 1.4 times the US median home value – the median value for a home in the Village is \$226,547. A majority (70.7%) homes are owner-occupied while about a quarter are rented. The Village of Brookfield is a stable population, and is projected to remain so according to 2018 projections.

POPULATION

2010: 18,978
2013: 18,981
2018 (projection): 19,043

RACE AND ETHNICITY

88.2% White / 2.4% Black / 0.2% American Indian / 1.5 Asian / 5.1% Other
17.2% Hispanic or Latino (any race)

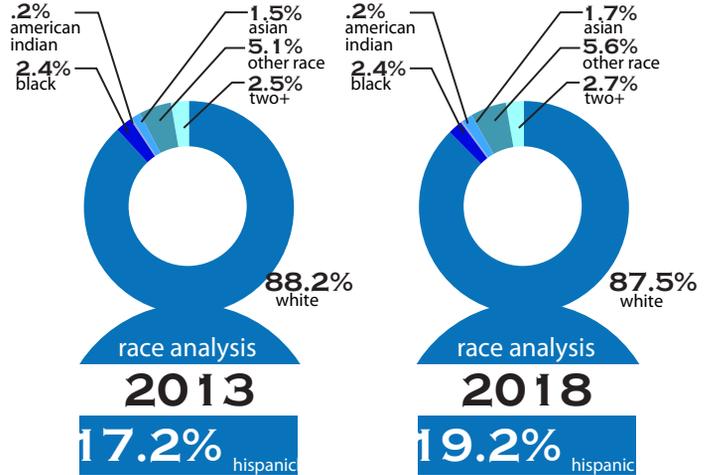
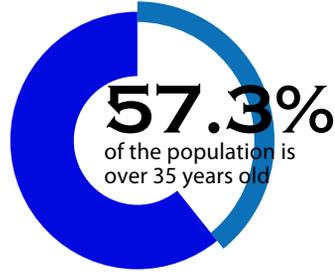
HOUSEHOLD INCOME DISTRIBUTION

2013 Median Household Income: \$65,555
2013 Average Household Income: \$79,000
2013 Per Capita Income: \$31,036

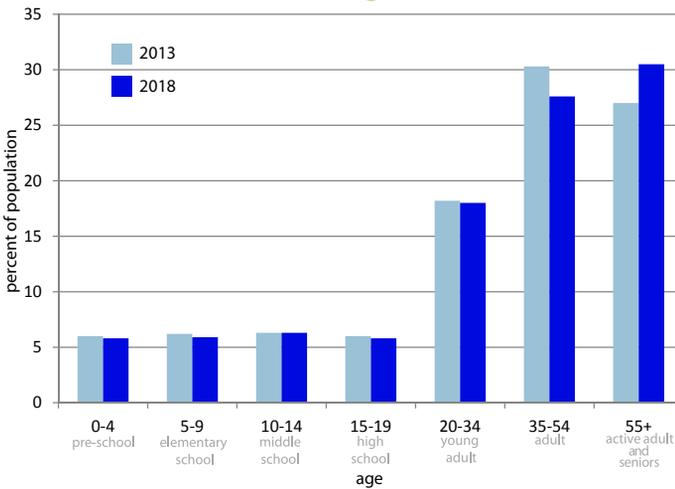
2018 Median Household Income: \$77,950 (18.9% increase)
2018 Average Household Income: \$89,561 (13.4% increase)
2018 Per Capita Income: \$35,295 (13.7% increase)

18,981
2013 Population

19,043
2018 Population



2.54
average household size



POPULATION TRENDS

According to data obtained from ESRI, the Village of Brookfield's population is expected to remain steady with relatively little increase, while both the State of Illinois and the nation will likely see increases (.24% and .68% respectively). The number of households, families, and owner-occupied housing units will also remain fairly steady through 2018. The median household income however, is projected to increase at a comparable rate of about 18.9%.

Into 2018, the population will remain steady although there will be some fluctuation in numbers among certain age groups. The preschool age group will decrease by 0.2%. The amount of school-aged residents will also decrease by 0.5%, but will remain a steady 24% of the total population. The working-age group will decrease as well, by about 1.1%. The working-aged still remains the prominent age group consisting of 56.2% of the population. The active-adult and seniors bracket is projected to grow the most at 12.9% and will make up about 30.5% of the total population by 2018.

Housing

\$243,616
2018 projected median home value

\$226,547
7.5% increase

total housing units **7,809**



Natural Features

The Village of Brookfield is rich in natural resources including the Salt Creek and its associative riparian corridor, flood plain, major watershed, wetlands, and gradual topography.

WATERSHEDS & RIPARIAN CORRIDORS

The creek system running through the Village of Brookfield boundary includes the Salt Creek which flows directly into the nearby Des Plaines River. The Salt Creek runs from the north to the east southeast across the planning area. The Forest Preserve District of Cook County currently has Resource Management Plans developed for all watersheds. The Metropolitan Water Reclamation District (MWRD) protects the health and safety of the public in its service area, protects the quality of the water supply source (Lake Michigan), improves the quality of water in watercourses in its service area, protects businesses and homes from flood damages, and manages water as a vital resource for its service area.

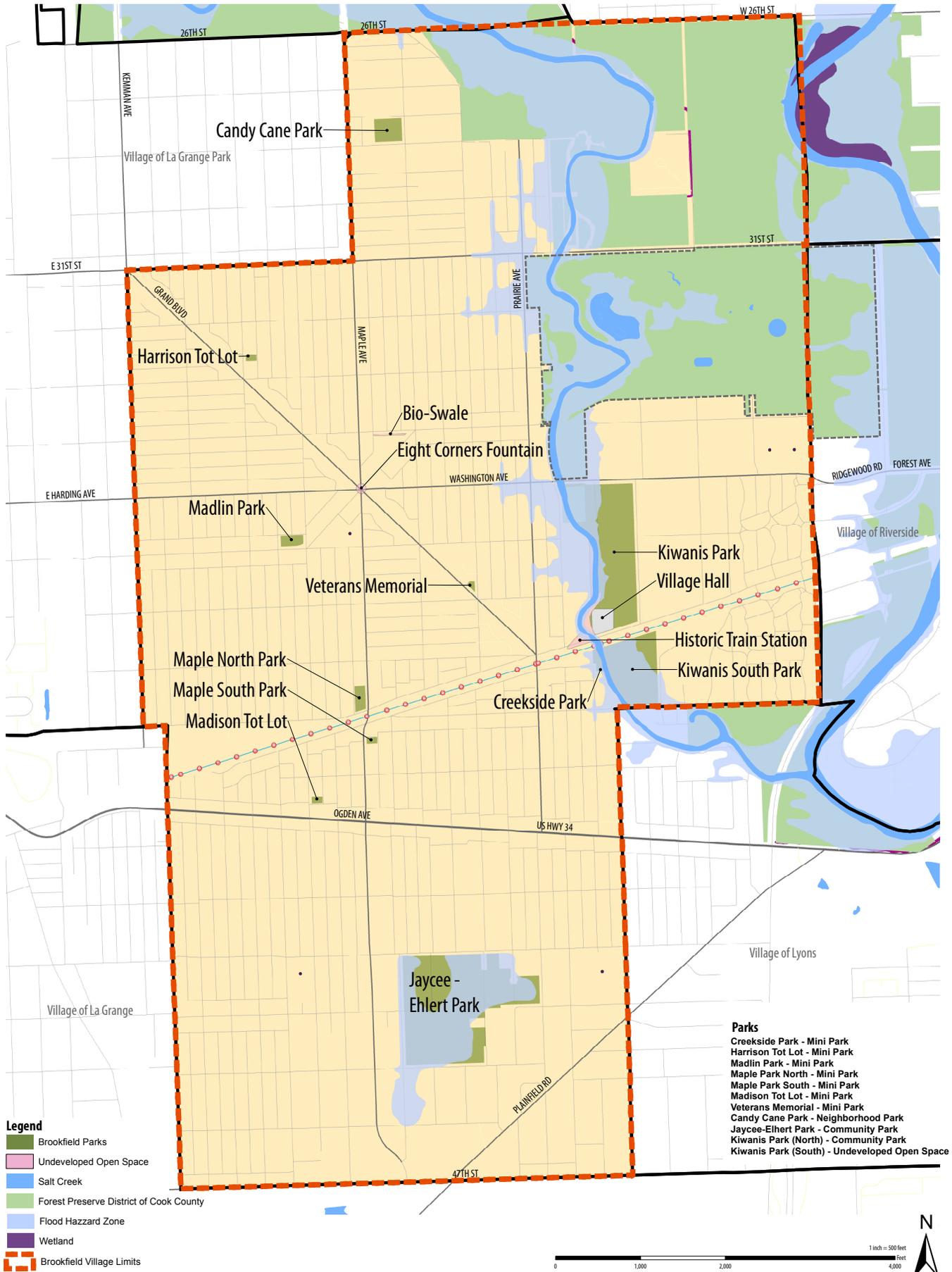
FLOOD PLAIN

The Federal Emergency Management Agency through the National Flood Insurance Program produces Flood Hazard Boundary maps for areas prone to flood hazards. The 100-year flood plain associated with each of the water bodies is shown in blue on the Natural Resources Map. The 100-year flood plain denotes the area potentially impacted by the level of flood water expected to be equaled or exceeded every 100 years on average or have a 1% chance of being equaled or exceeded in any single year. These areas have restrictions for development in Brookfield. This floodplain protection has created the opportunity for natural and built connections along this corridor throughout the Village.

WETLANDS

Wetlands are lands saturated with water; this saturation impacts the soil character, the plant and animal communities and the surface condition of the land. Wetlands are regulated under the Clean Water Act. Wetland data from the National Wetlands Inventory conducted by the US Fish and Wildlife Service is depicted in the Natural Resources Map. Most of the identified wetlands in the Village planning area are emergent wetlands located along the Salt Creek corridors. Other wetland types found in the planning area are forested wetlands, which primarily exists in the far north east corner of the Village along the Des Plaines River. This is indicated with the color purple on the Natural Features Map to the right.





Natural Features Map

Trail Corridors

The Trails Inventory Map illustrates the existing trail corridors within the Village of Brookfield.

Currently, the only existing designated bicycle routes within the Village of Brookfield are contained in the Forest Preserve District of Cook County. A few other existing (*regional*) paths exist in the surrounding communities; along E. Harding Avenue in LaGrange Park and E. Cossitt Avenue in LaGrange, W 26th Street in North Riverside and another trail in Riverside. This information was obtained through Cook County, Illinois, GIS. Additionally, the Village of Brookfield 2020 Master Plan, the WCMC Bicycle Plan, and the 1997 Village of Brookfield Open Space Master Plan were referenced in studying the existing and previously planned trails. The “Guide for the Development of Bicycle Facilities” provided by American Association of State Highway and Transportation Officials recommends four different bike facility types. The bike facility types are described to the right.

One of Village’s goals is to provide bicycle lanes, signed shared roadway opportunities, and shared use paths, while developing trails within the parks themselves and providing connectivity between the parks and throughout the community. The Village of Brookfield has recently collaborated with the WCMC Bicycle Plan. Pertinent information from the bicycle plan can be found in Chapter 7: Appendix.

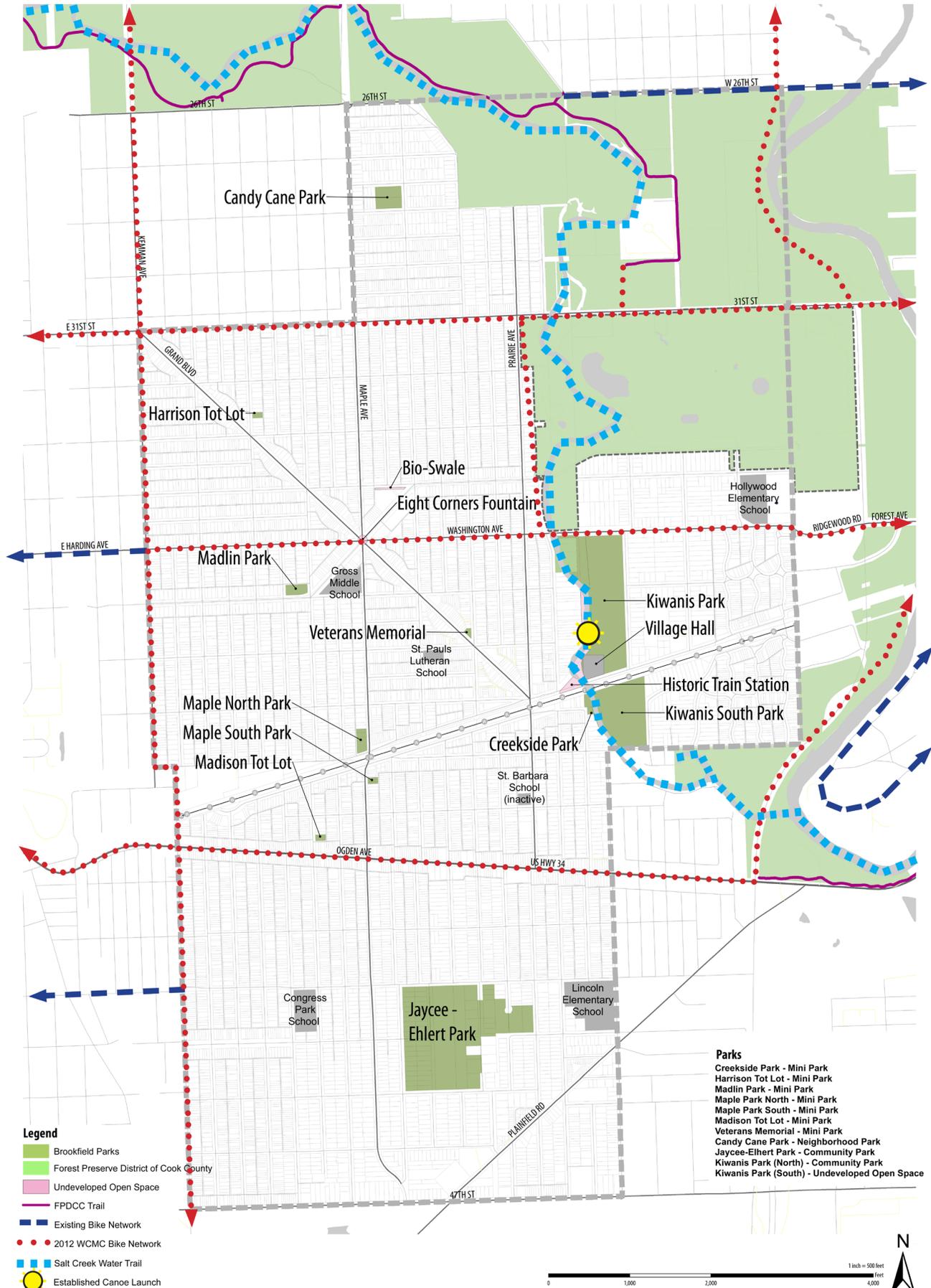


Shared Roadway: *A roadway which is open to both bicycle and motor vehicle travel. This may be an existing roadway, street with wide curb lanes or road with paved shoulders.*

Signed Shared Roadway: *A shared roadway which has been designated by signing as a preferred route for bicycle use.*

Bicycle Lane: *A portion of a roadway which has been designated by striping, signing and pavement markings for the preferential or exclusive use of bicyclists.*

Shared Use Path: *A bikeway physically separated from motorized vehicular traffic by an open space or barrier and either within the highway right-of-way or within an independent right-of-way. Shared use paths may be used by pedestrians, skaters, wheelchair*



Trails Inventory Map

Park Classification & Inventory

As a part of the planning process, we referenced the guidelines outlined within the National Recreation and Parks Association (NRPA) - Park, Recreation, Open Space and Greenway Guidelines Manual.

NRPA recommends creating a park classification system to serve as a guide for organizing an agency's parks. Mini Parks, Neighborhood Parks and Community Parks are the three different park types recognized by NRPA. The Village of Brookfield classifies their parks as the recommended Mini, Neighborhood, and Community Parks. The park classification table identifies the criteria for determining the class for each of Brookfield's parks.

PARK AND FACILITIES INVENTORY

The planning team performed a site visit and evaluation for each of the Village of Brookfield's park properties to determine the opportunities and / or potential recommendations for improvements. Each site was visited and photographed, and staff provided information on how the park is used and any issues with the site or site amenities. The planning team also gathered aerial photography, acreage, property boundaries and floodplain information.

Each park was evaluated on the following criteria:

1. Natural Resources and Environmental Observations
2. Site Design and Aesthetics
3. Health, Safety, and Access
4. Users and Context

Chapter Three summarizes the inventory for each park. The inventories are grouped by park classification: Mini Parks, Neighborhood Parks, and Community Parks.

Park Classification			
Classification	General Description	Location Criteria	Size Criteria
Mini Park	Used to address limited, isolated, or unique recreational needs.	Less than a 0.25 mile distance in a residential setting	Between 2,500 SF and one acre in size.
Neighborhood Park	Neighborhood park remains the basic unit of the park system and serves as the recreational and social focus of the neighborhood. Focus is on informal active and passive recreation.	0.25 to 0.5 mile distance and uninterrupted by non-residential roads and other physical barriers.	1 to 5 acres in size is typical.
Community Park	Serves broader purpose than neighborhood park. Focus is on meeting community based recreation needs, as well as preserving unique landscapes and open spaces.	Determined by the quality and suitability of the site. Usually serves two or more neighborhoods and 0.5 to 3 mile distance.	As needed to accommodate desired uses. Usually a minimum of 20 acres.
Natural Area	Conservation and wildlife areas, wooded areas and waterways that are maintained for the most part in their natural state.	Service radius is unlimited.	No applicable standard.

Table from NRPA's Park, Recreation, Open Space and Greenway Guidelines.

PARK CLASSIFICATIONS



Mini Park



Neighborhood Park



Community Park



Natural Area

Mini Parks

Mini Parks are generally designed for young children up to the age of 12. Elements in these parks include play structures, swings picnic areas, and shelters. These parks usually do not include parking. Mini Parks are classified as open space that addresses limited and unique recreational needs. These parks are located in residential areas where lawns and open space are plentiful, and serve their surrounding neighborhoods. Mini Parks located in the Village of Brookfield include:

- Creekside Park
- Harrison Park
- Madison Park
- Madlin Park
- Maple North Park
- Maple South Park
- Veterans Memorial Park

Mini Park “service areas” (0.25-miles) shall not include residents that must cross a planning area boundary to get to the park (examples: major highway, railroad corridor, extreme natural features). **0.5 acres of open space** designated as a mini park is preferred per every **1000 people**.

Neighborhood Parks

Neighborhood Parks remain the basic unit of the park system and are generally designed for informal active, passive recreation and community gathering spaces. The Village has one Neighborhood Park, which is 2 acres in size. Elements in these parks often include playgrounds, picnic areas, and trail systems. Neighborhood Parks located in the Village of Brookfield include:

- Candy Cane Park

Neighborhood Parks are intended to serve residents within a 10-minute walk, or 1/2 mile. Some Neighborhood Parks provide limited parking spaces. Neighborhood Park “service areas” do not include residents that must cross a planning area boundary to access the park. **3.5 acres of open space** designated as a Neighborhood Park is preferred per every **1,000 people**.

Community Parks

Community Parks are generally designed for active recreation and focus on meeting community-based recreation needs. These parks preserve unique landscapes and open space, and often serve the community as event, gathering, and general team sport spaces. Elements in these parks include playgrounds, pavilions, trails, and path systems and multiple sport courts and fields. Community Parks located in the Village of Brookfield include:

- Kiwanis Park North
- Jaycee-Ehlert Park

Community Parks are viewed as destinations and typically require travel by automobile. Community parks tend to serve residential areas within 1 to 3 miles. **7.5 acres of open space** designated as a Community Park is preferred per every **1,000 people**.

Natural Areas

Natural Areas are defined as conservation and wildlife areas. These areas are designed to preserve unique ecosystems and habitats. While there are not established service areas or level of service standards, these sites protect natural features and add value to the Village.

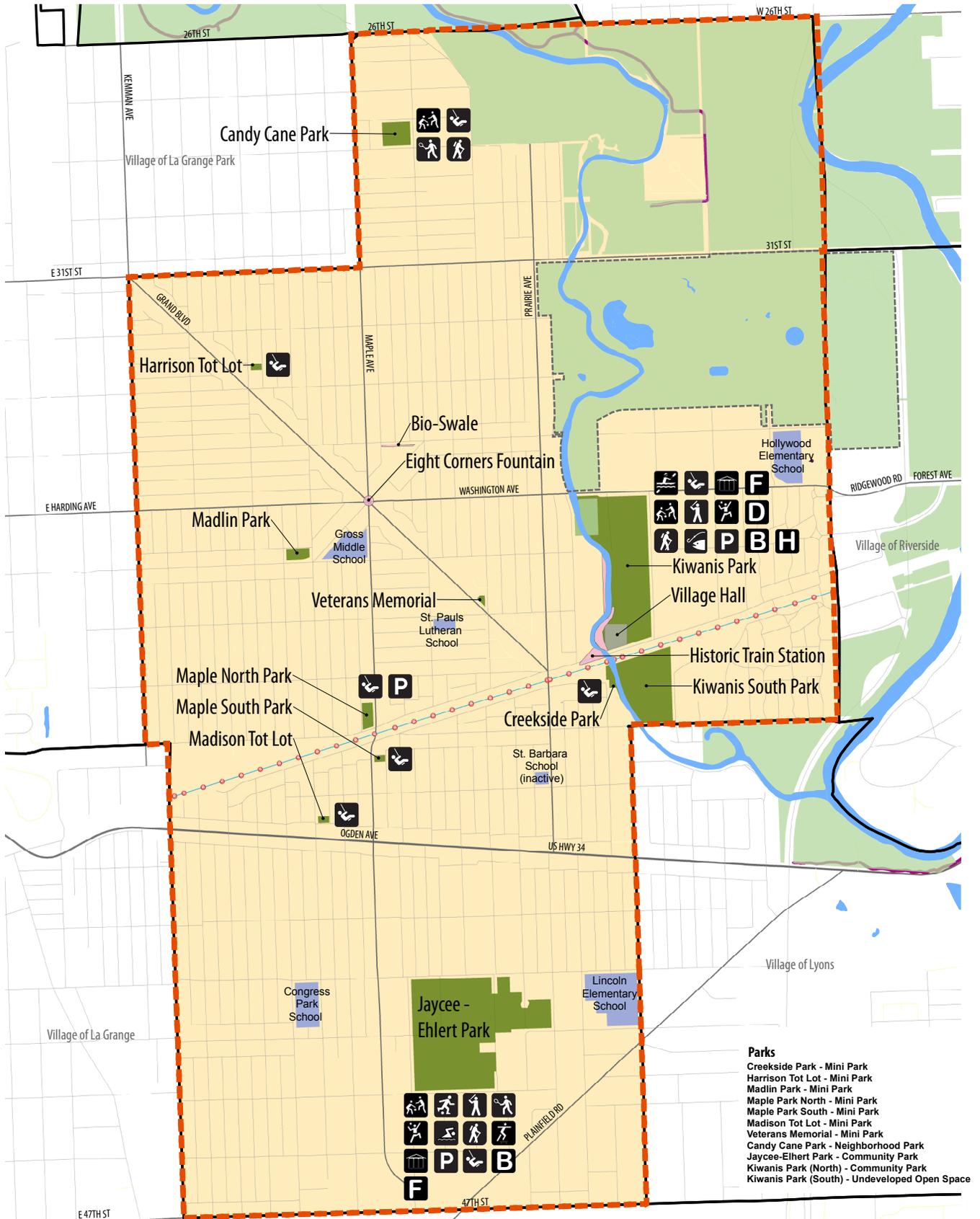
Park & Open Space Matrix

The table below was completed for the Village of Brookfield’s existing park, natural areas, and special use areas as a part of the Inventory & Analysis Phase of the Open Space Plan. It reflects the current inventory of the Village’s park acreage, uses and amenities. Each park was classified and grouped based on NRPA park classification standards, Village of Brookfield modifications, and the park amenities were tabulated in order to understand the Village of Brookfield’s total recreational offerings.

The table reflects not only the current amenities and quantities of each. The Village has 6 playgrounds, 3 of them are beyond their useful life (20 years), per the IDNR Useful Life chart in Chapter 7: Appendix. Several of the parking lots, basketball and volleyball courts, and site furnishings, which are not represented on the table, are all aging and nearing their useful life as well.

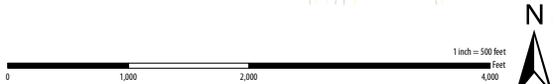
An Amenities Location Map, on the next page, represents the Village’s amenities graphically and shows the distribution of the types of activities and assets around the community.

Village of Brookfield	Acreage		Buildings		Active Recreation																	Passive Recreation			Natural Features												
	Owned	Not Owned	Concessions	Recreation Building	Restrooms	Shelter / Pavilion	Baggio	Baseball	Basketball	Bocce Ball	Fitness Stations	Football	Disc Golf (holes)	Golf Driving Cage	Horseshoes	Fishing	Miniature Golf	Parking	Playground	Pool	Skate Park	Soccer	Softball	Tee Ball	Splash Pad	Tennis	Volleyball	Canoe Launch	Picnic Area	Trails (miles)	Creek / River	Prairie / Native Vegetation	Wetland				
Mini Parks (M)																																					
Crekside	0.60																		1													1					
Harrison	0.20																		1																		
Madison	0.20																		1																		
Madlin	0.40																							1													
Maple North	0.70			1														1	1																		
Maple South	0.20																		1																		
Veterans Memorial	0.10																																				
Mini Park Total Acreage	2.40	0.00																																			
Neighborhood Parks (N)																																					
Candy Cane	2.00								0.5										1								1	1		1	0.125						
Neighborhood Park Total Acreage	2.00	0.00																																			
Community Parks (C)																																					
Jaycee-Ehler	29.37		1	1	1	3	2	3	2	1	3				2			3	1		1	3	3		1	4	1	4	1	1	1	1	1	1	1		
Kiwanis Park (North)	25.14		2		2	1	2	2	1		3	7		3	1			1	1								2	1	1	0.85		1					
Community Park Total Acreage	54.51	0.00																																			
Undeveloped Open Space / Natural Area (NA) / Special Use Area																																					
Kiwanis Park (South)	10.04																																	1			
Historic Train Station Site	0.80																																				
Bio-Swale	0.10																																		1		
Eight Corners Fountain	0.05																																				
Community Park Total Acreage	10.99	0.00																																			
Total Park Acreage	69.90	0.00																																			
Existing facilities that do not meet IDNR Useful Life Criteria																																					
Total Land Holdings and Facilities	69.90	0.00	3	2	3	4	4	5	3.5	1	6	0	7	0	5	1	0	5	8	0	1	3	3	2	1	5	3	1	6	1.975							



- Parks**
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 - Kiwanis Park (North) - Community Park
 - Kiwanis Park (South) - Undeveloped Open Space

- Legend**
- Basketball
 - Soccer
 - Disc Golf
 - Tennis
 - Volleyball
 - Fishing
 - Picnic Shelter
 - Horseshoes
 - Baseball/Softball
 - Splash Pad
 - Playground
 - Trails
 - Parking
 - Skate Park
 - Baggio
 - Canoe Launch
 - Fitness Station



Amenities Location Map



Level of Service Analysis

The Level of Service (LOS) guidelines are ratios representing the minimum amount of recreation facilities needed to meet the demands of a community. This is an integral step in determining a community’s recreation needs and estimating how well an agency is serving it’s residents.

The LOS analysis is an integral step in determining a community’s recreation needs and estimating how well an agency is serving the residents. According to National Recreation and Parks Association, the LOS should:

- Be practicable and achievable
- Provide for an equitable allocation of park and recreation resources throughout a community; there must be equal opportunity access for all citizens
- Reflect the real-time demand of the citizens for park and recreation opportunities

PARKS & OPEN SPACE

The NRPA’s population ratio method (acres/1,000 population) emphasizes the direct relationship between recreation spaces and people and is the most common method of estimating an agencies level of service for parkland and open space. The baseline standard according to this method is 10 acres/1,000 population. The following tables calculate the existing and proposed Level of Service for the Village of Brookfield using this ratio.

CONCLUSIONS

The Village of Brookfield is deficient in the NRPA recommended level of service for Mini Parks by roughly 7 acres, Neighborhood Parks by just under 36 acres, and Community Parks by almost 88 acres. Overall, the total acreage owned and maintained as park land is under the 10 acres/1,000 population as recommended by the NRPA.

Level of Service - Mini Parks					
Classification	Village of Brookfield Acreage (Total)	Village of Brookfield Existing Level of Service (acres / 1,000 population)	IAPD/NRPA Recommended Acreage	IAPD/NRPA Recommended Level of Service (acres / 1,000 population)	Acreage deficiency / surplus (acre)
Mini Park	2.40	0.13	9.49	0.50	-7.09

Level of Service - Neighborhood Parks					
Classification	Village of Brookfield Acreage (Total)	Village of Brookfield Existing Level of Service (acres / 1,000 population)	IAPD/NRPA Recommended Acreage	IAPD/NRPA Recommended Level of Service (acres / 1,000 population)	Acreage deficiency / surplus (acre)
Neighborhood Park	2.00	0.11	37.96	2.00	-35.96

Level of Service - Community Parks					
Classification	Village of Brookfield Acreage (Total)	Village of Brookfield Existing Level of Service (acres / 1,000 population)	IAPD/NRPA Recommended Acreage	IAPD/NRPA Recommended Level of Service (acres / 1,000 population)	Acreage deficiency / surplus (acre)
Community Park	54.51	2.87	142.36	7.50	-87.85

Recommended acreage is based off the existing population of 18981

Equity Mapping Analysis

Not only is the quantity of parks and open space important, but the location and geographic distribution of the parks themselves also offer an indication of how well a Village is serving its residents.

By understanding where the parks are located in relationship to residential development, we are able to understand who, if anyone, is under served. This exercise may reveal the need for acquisition or improved access in under served areas of the Village, or may reveal that the Village is serving the residents well and should shift their focus into maintaining the system as it is.

METHODOLOGY

Planning areas are used for analysis, proposed land acquisition, and redevelopment of new park facilities. Planning areas are delineated by barriers considered challenging for pedestrian access including major roads or highways, railroad corridors and extreme natural features.

Once the Village was divided into planning areas, these areas and their boundaries were used to analyze the distribution of the parks and open spaces. First, a service area reach--illustrated in the maps as an orange circle - was created around each individual park. The size of the service area

is dependent on the park classification. A 1/4 mile radius was used for Mini Parks, 1/2 mile for Neighborhood Parks, and a 1 mile radius was used to study the Community Parks.

to determine what areas are most and least served by the park system. The most served areas are illustrated by the dark orange while the least served areas are illustrated by the lack of orange. The

By understanding where the parks are located in relationship to residential development, we are able to understand who, if anyone, is underserved.

Next, the service areas for Mini and Neighborhood Parks were clipped to the planning area boundaries in which each individual park is located. This is done because these boundaries are seen as challenging barriers by pedestrians. For Community Parks the boundaries were simply clipped to the overall Village boundaries instead of planning area boundaries because these parks are seen as drive-to destinations.

Finally, the service area maps and other related maps were overlaid and analyzed

orange service area buffers overlap to form a gradient that illustrates the degree to which residents are served. The darker the orange, the more service areas overlap. This represents those residents who fall within the darker orange area are served by multiple parks and their amenities.

PLANNING AREAS

Planning Area 1 is bounded by 26th Street to the north, the Salt Creek to the east, the Village boundaries to the west and northwest, and Grand Boulevard to the southwest, and the railroad tracks to the south. The zoning of planning area 1 is a mix of single-family residential, multiple-family residential, centralized commercial district, local retail district, general open space district, and restricted planned open space district. Candy Cane Park, Harrison Tot Lot, the Historic Grossdale Train Station, and Veterans Memorial Park lie within this planning area.

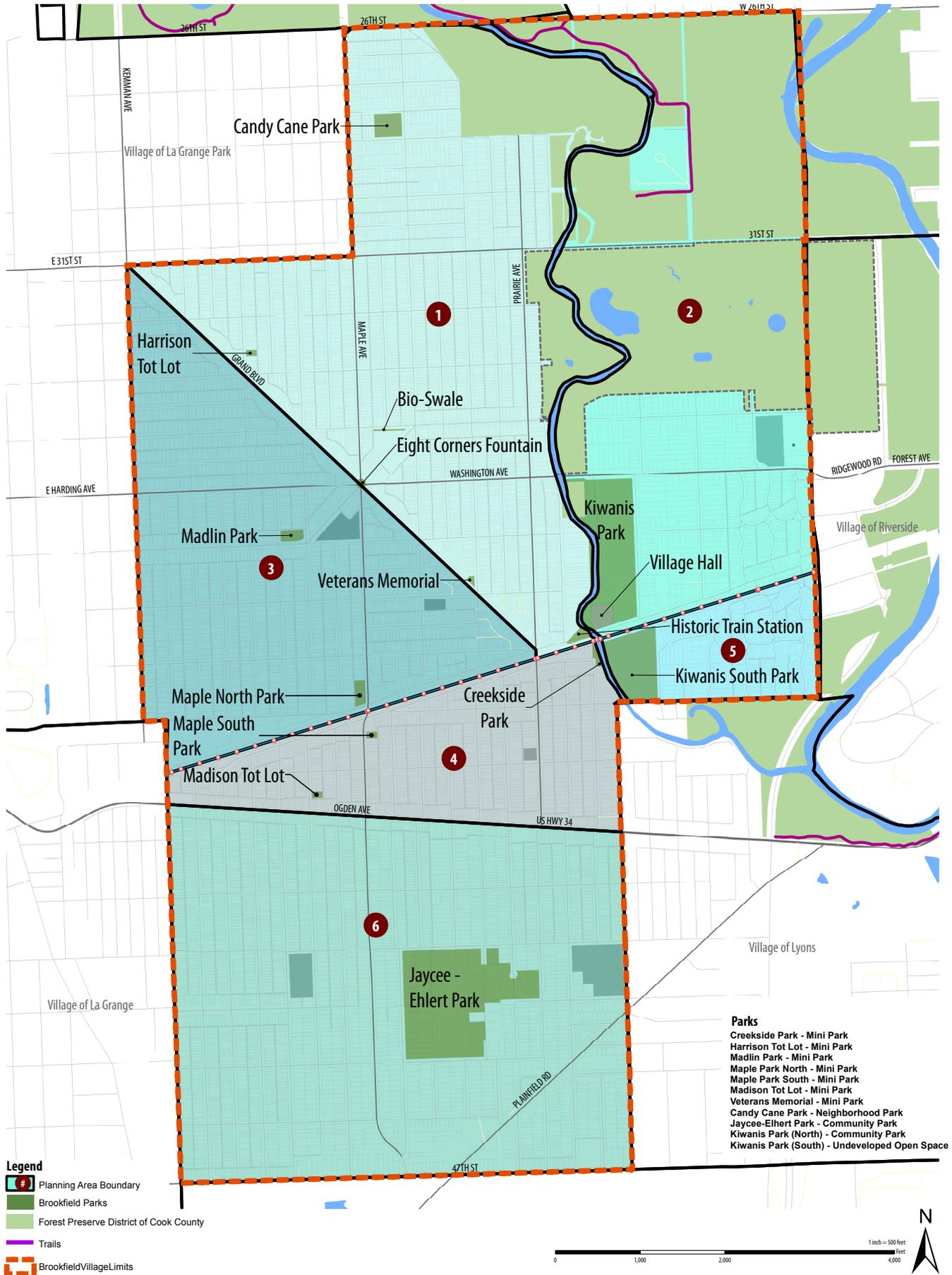
Planning Area 2 is bounded by the Salt Creek to the west, 26th Street to the north, along the east side the Village boundary serves as the planning area limits, and the railroad tracks are the southern limits. The area is zoned single-family residential, multiple-family residential, restricted special service district, general open space district, and restricted planned open space district. Kiwanis Park North, Village Hall, portions of the Forest Preserve District of Cook County, and the Brookfield Zoo lie within this planning area.

Planning Area 3 is bounded by the railroad tracks north, to the south, Grand Boulevard to the east, and Kemman Avenue serves as the western boundary. The area is zoned primarily single-family residential, multiple-family residential district, centralized commercial district, and the restricted light industrial district. Madlin Park and Maple Park North lie within planning area three boundaries.

Planning Area 4 is bounded by railroad tracks on the north, Eberly Avenue to the west, the Salt Creek and Custer Avenue on the east, and Ogden Avenue along the southern border. The area is zoned primarily single-family residential, multiple-family residential district, general service district, restricted planned service district, centralized commercial district, and the restricted light industrial district. Madison Tot Lot, Maple Park South, and Creekside Park lie within planning area four boundaries.

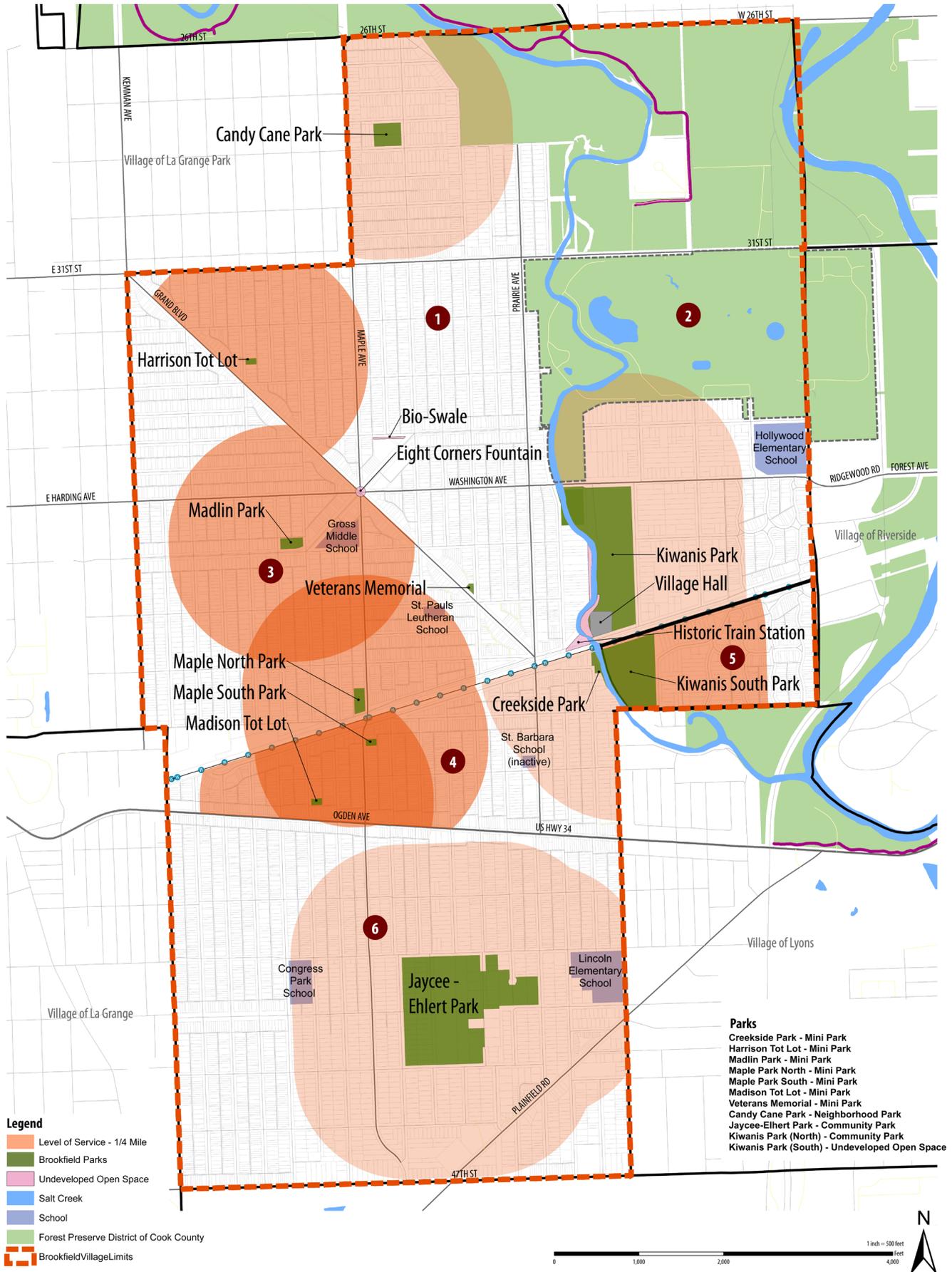
Planning Area 5 is bounded by railroad tracks to the north, Village boundary to the east, Southview Avenue to the south, and the Salt Creek to the west. The area is zoned single-family residential, multiple-family residential, restricted special service district, and restricted planned open space district. Kiwanis Park South is located within planning area five.

Planning Area 6 is bounded by East Avenue and the Village boundary to the west, Ogden Avenue to the north, Custer Avenue to the east, and 47th Avenue on the southern edge. It is primarily zoned single-family residential, multiple-family residential district, general service district, general light industrial district, and the restricted planned open space district. Jaycee-Ehlert Park lies within area six boundaries.



- Parks**
- Creekside Park - Mini Park
 - Harrison Tot Lot - Mini Park
 - Madlin Park - Mini Park
 - Maple Park North - Mini Park
 - Maple Park South - Mini Park
 - Madison Tot Lot - Mini Park
 - Veterans Memorial - Mini Park
 - Candy Cane Park - Neighborhood Park
 - Jaycee-Ehlert Park - Community Park
 - Kiwanis Park (North) - Community Park
 - Kiwanis Park (South) - Undeveloped Open Space

- Legend**
- Planning Area Boundary
 - Brookfield Parks
 - Forest Preserve District of Cook County
 - Trails
 - Brookfield Village Limits



Mini Park Level of Service Map

Mini Parks

Mini Parks are generally designed for young children up to the age of 12. These parks also serve the community as a gathering and interactive space.

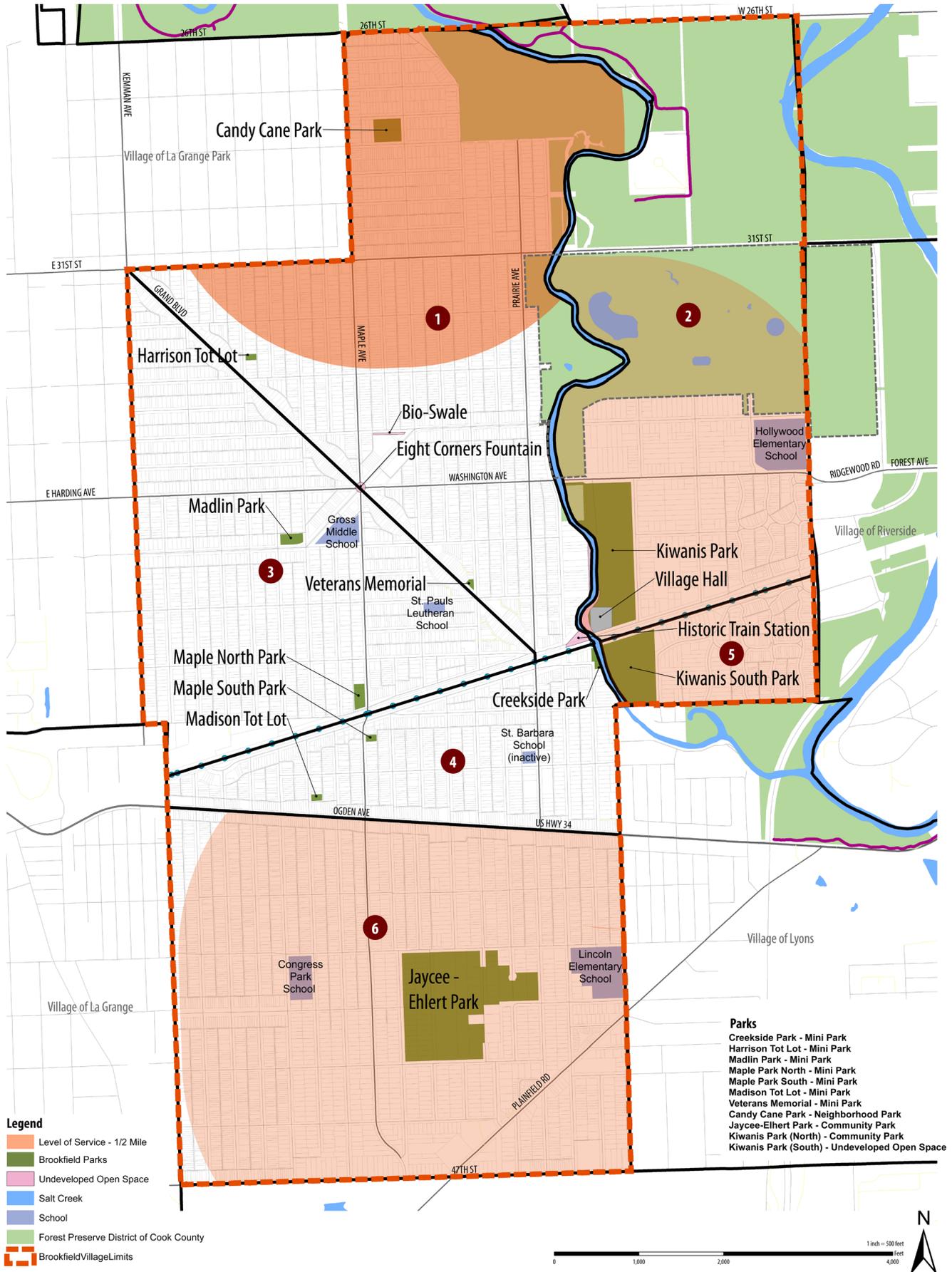
The purpose of the Mini Park service area study is to determine which planning areas are under served by the Village's existing Mini Park land holdings. The Village of Brookfield's Mini Park acreages range from roughly 0.1 to 1 acres. Currently the Village has seven Mini Parks.

The Mini Park Service Area Map illustrates a 0.25 mile service radius (shown in orange) around each existing and planned Mini Park.

This plan also illustrates a service area for Neighborhood and Community Parks as these parks can also serve the function of a mini park. NRPA's Park, Recreation, Open Space, and Greenway Guidelines recommend that Mini Parks with active recreation amenities be centrally located within their service areas and encompass a 0.25 mile radius.

CONCLUSIONS

Existing and planned Mini Park distribution is concentrated in planning areas 1, 3, and 4. These planning areas are composed primarily of single and multi-family residential land uses, with portions in light industrial and commercial areas. Planning areas 2, 5, and 6 show a deficiency in true Mini Parks in some areas; however, there are Neighborhood and Community Parks that serve as Mini Parks in these deficient planning areas. **The central portion of the Village, in planning area 1 and the western 1/3 of planning area 6 are underserved by Mini Parks.** The LOS analysis calculates a **deficit of over 7 acres of Mini Park land.** Although the Village of Brookfield is land-locked with little apparent opportunities for land acquisition for additional parks, the Village should keep the idea of additional property as a consideration in the future or when opportunities may arise. At this point however, bringing the existing parks and amenities up to current standards is more critical.



Neighborhood Park Level of Service Map

Neighborhood Parks

Neighborhood Parks remain the basic unit of the park system and are generally designed for informal active, passive recreation and community gathering spaces

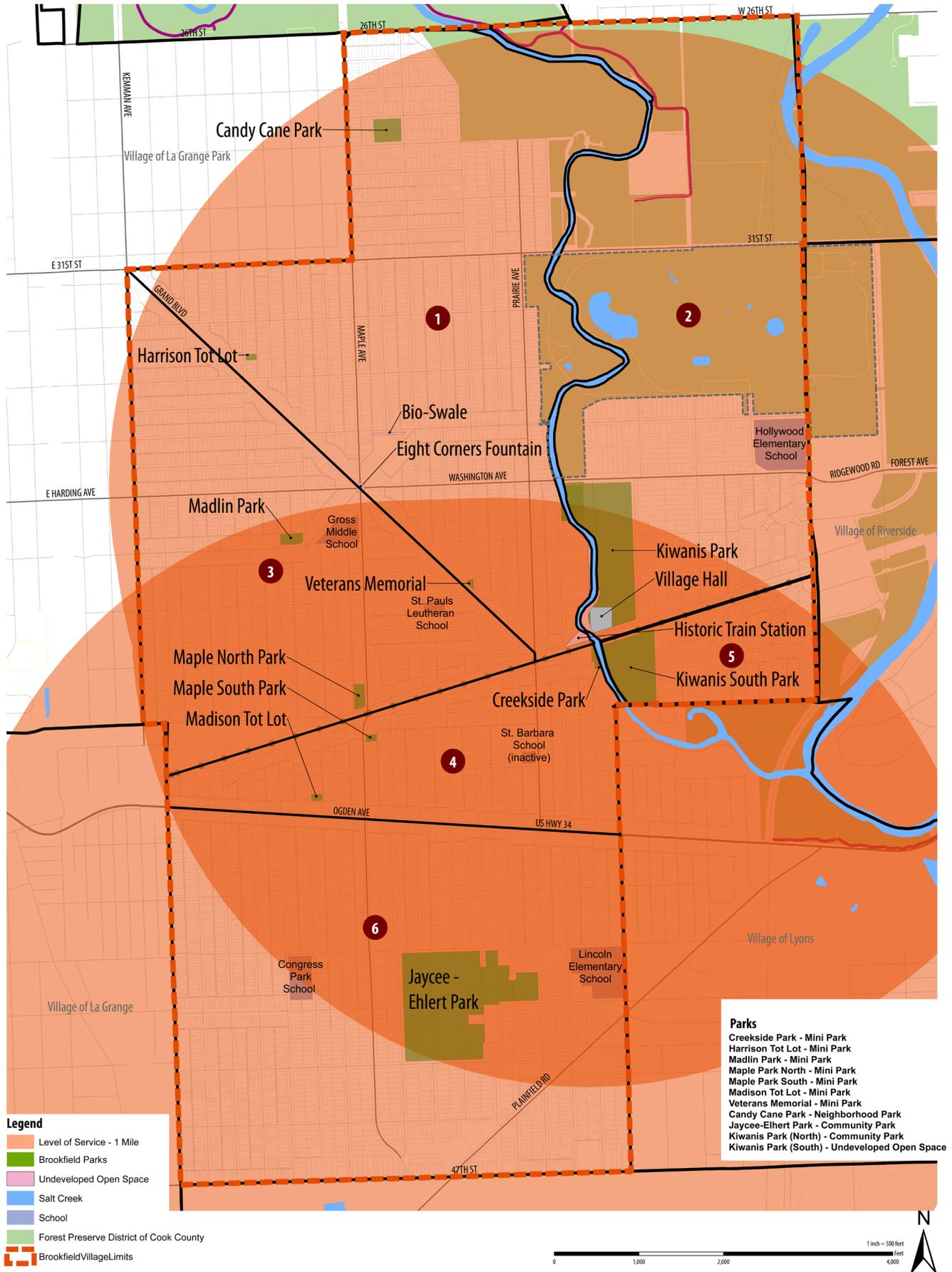
The purpose of the Neighborhood Park service area study is to determine which planning areas are under served by the Village's existing Neighborhood Park land holdings. Currently the Village has one true Neighborhood Park - Candy Cane Park, which is 2 acres in size.

The Neighborhood Park Service Area Map illustrates a 0.5 mile service radius (shown in orange) around each existing and planned Neighborhood Park.

This plan also illustrates a service area for Community Parks as these parks can also serve the function of a neighborhood park. NRPA's Park, Recreation, Open Space, and Greenway Guidelines recommend that Neighborhood Parks with active recreation amenities be centrally located within their service areas and encompass a 0.5 mile radius.

CONCLUSIONS

The only existing Neighborhood Park distribution is located in planning area 1. This planning area is composed primarily of single and multiple-family residential, general open space and restricted planned open space districts, and restricted special service land uses. Planning areas 3 and 4 show a complete deficiency in Neighborhood Parks. Some of the planning areas--specifically areas 2 and 6--are served by Community Parks that act as Neighborhood Parks by the criteria provided by the IDNR as well as an Undeveloped Park - Kiwanis Park South, which if programmed would service the residents in Planning area 5. **Planning area residents in 3 and 4 have limited to no access to Neighborhood Parks** within these areas, which contain a significant portion of the residents. The LOS analysis calculates a **deficit of over 35 acres of Neighborhood Park land**.



Community Park Level of Service Map

Community Parks

Community Parks are generally designed for active recreation and focus on meeting community-based recreation needs.

The purpose of the Community Park service area study is to determine which residential areas are under served by the Village's existing Community Park land holdings. Brookfield's Community Parks range in size from 25 to 30 acres. Currently, the Village has two Community Parks-- Kiwanis Park (north) and Jaycee-Ehlert Park.

The Community Park Service Map illustrates a one-mile service radius (shown in orange) around each existing Community Park.

The NRPA's Park, Recreation, Open Space, and Greenway Guidelines recommend that Community Parks with active recreation amenities be centrally located within their service areas and encompass a one-mile radius.

CONCLUSIONS

Community Parks within the Village of Brookfield are **well distributed**. Both Community Parks serve the Village in different ways. Kiwanis Park (north) serves the needs of residents within the central and northern most planning areas of the Village and Jaycee-Ehlert Park serves the needs of residents in the central and southern planning areas. The **LOS acreage analysis calculates a -87.85 acre deficit**.



3

parks and open space



Park & Open Space Inventory

Offers a snapshot of the existing conditions for all parks and open space during the time of this Open Space Plan. Catalogues individual parks and natural areas documenting observations on each property’s context, natural features, site design, existing health and safety conditions, users and programs, as well as recommendations. Provides aerials and site character photographs.

INTRODUCTION

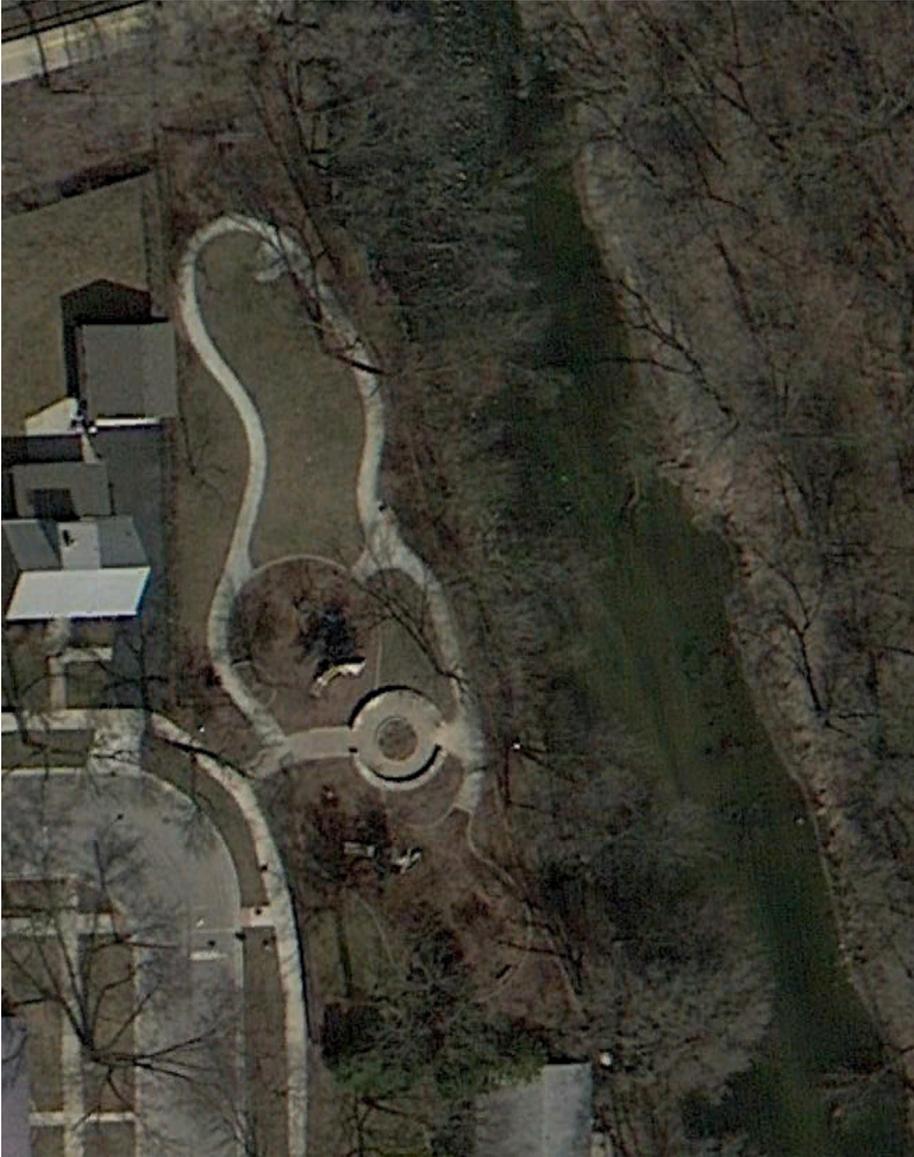
This chapter includes a detailed inventory and analysis of each individual park. The planning team performed a site visit and evaluation for each of the Village of Brookfield’s park properties to determine the opportunities and/or potential recommendations for improvements. Each site was visited and photographed, and staff provided information on how the park is used and any issues with the site or site amenities.

Divided by park classification, each spread offers a detailed checklist of the elements present within and around the site. The inventory checklist is outlined in six categories: context, natural features, site design and characteristics, health and safety, uses and programming, and recommendations. Along with the detailed checklist of the site characteristics, the size and classification are listed. A park matrix providing the quantity of each amenity on a per park basis can be found in Chapter 2. Finally, site aerial and character photos are included.

UTILIZATION

The inventory and analysis of each individual park aids in the development of individual action items - both Village wide “big picture” items and individual “nuts and bolts” items. However, while the inventory and analysis informs the action plan, the information is documented to serve as a general park reference guide. This not only allows for the Village to utilize these pages to reference the existing conditions of each park at the time of the master plan, but also document the on-going changes and updates to each park as capital improvements and master plan action items are completed.





Creekside Park aerial



2-5 play structure



council ring



5-12 play structure



overall character



Harrison Park aerial



2-12 play structure



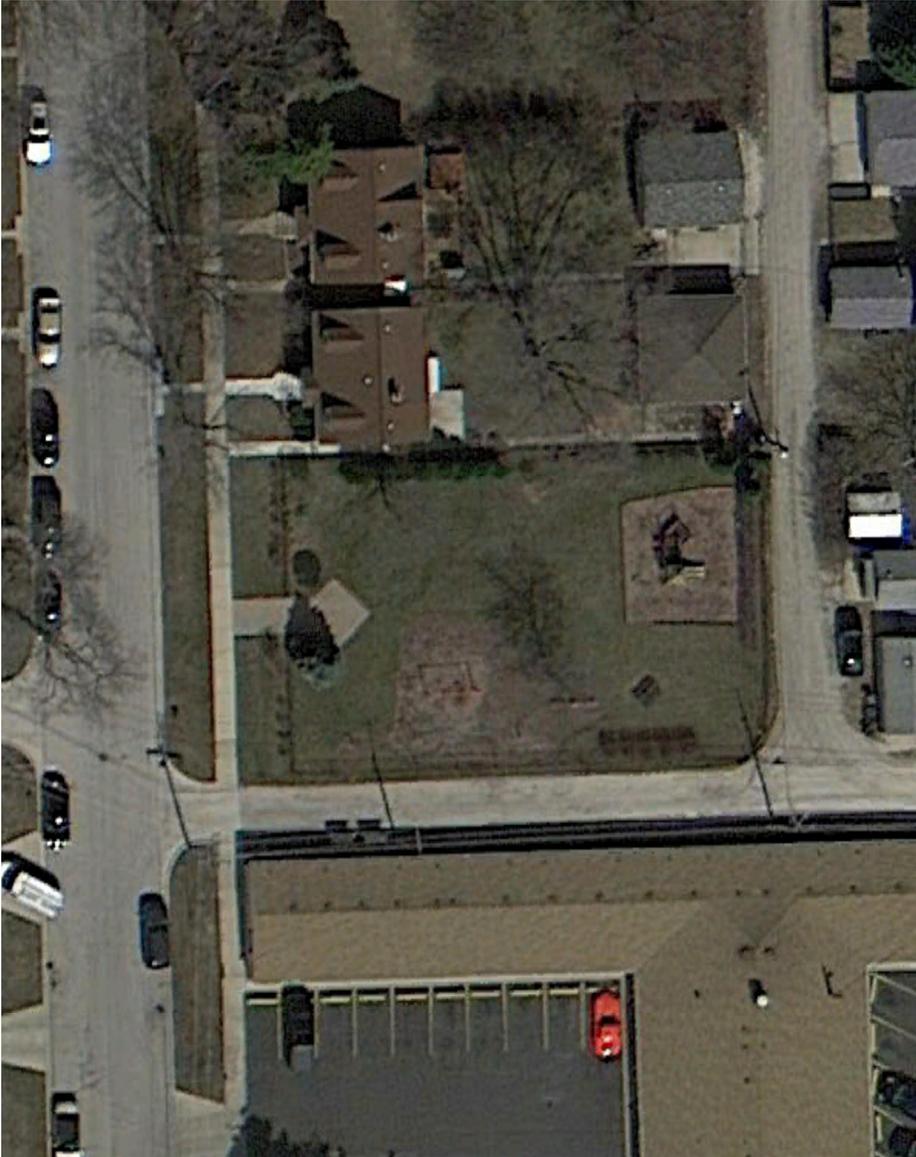
swings



independent play



overall character



Madison Park aerial



play structure



swings



picnic area



overall character



Madlin Park aerial



soccer field



long jump pit



long jump runway



overall character

Maple Park [north]

Classification
Acres

Mini
0.7

CONTEXT

- Park context consists of single family residential open space. Residential neighbors to the west and north, while commercial businesses reside to the east, and the railroad tracks serve as the southern boundary.
- Park specific parking is provided.

NATURAL FEATURES

- The park is not located within a floodplain or wetland.
- Parks landscaping is composed of a large signature tree which is encompassed by the playground area, a couple of other shade trees, and a perimeter shrub treatment.

SITE DESIGN

- Park includes a playground with a 2-5 and 5-12 age appropriate play structure and 1 belt and tot swings each. Playground also includes 3 spring rocker play pieces and a multi-piece train themed play element for toddlers.
- Site furnishings include benches and trash receptacles.
- Site has connection to other neighborhood components or parks within the overall system.
- The overall aesthetics of the park, turf, and existing structures are moderate to poor and should be updated.
- Park identification sign is present.

HEALTH & SAFETY

- Park does not have security lighting.
- Rules sign is not present.
- Park utilizes perimeter public sidewalks for circulation and access.
- Standard chain link serves as a perimeter boundary with the adjacent neighbor, roadway, parking lot, and building, while also serving as park security.

USERS & PROGRAMS

- The park which is host to a historic pump house turned community center, is programmed for the "Tot Prep Program", Childrens Art Camps in the summer, and was formerly used for the Brookfield Summer Camp program.
- Local daycares utilize this park as well for playtime.

RECOMMENDATIONS

- Implement Village standards.
- Beautify/enhance landscaping improvements.
- Consider updating/replacing fencing with chain-link.
- Consider adding ornamental fence/entry along front of park, as seen in other Mini Parks.
- Replace/update playground equipment.
- Consider a picnic shelter for this park.

QTY	Year
1	'98-'99
YES	

- Trails-Multi-Use (miles)
- Trails-Fitness (Stations)
- Restrooms
- Picnic Shelter
- Picnic Area
- Playground
- Baggo
- Basketball
- Baseball
- Disc Golf (holes)
- Football
- Horseshoes
- Skate Park
- Soccer
- Softball
- Tennis
- Volleyball
- Fishing (*dock)
- Ice Skating
- Swimming Pool
- Splash Pad
- Tee Ball
- Parking



Maple Park North aerial



pump house building



independent play



play structure and swings



overall character



Maple Park South aerial



slide (2002)



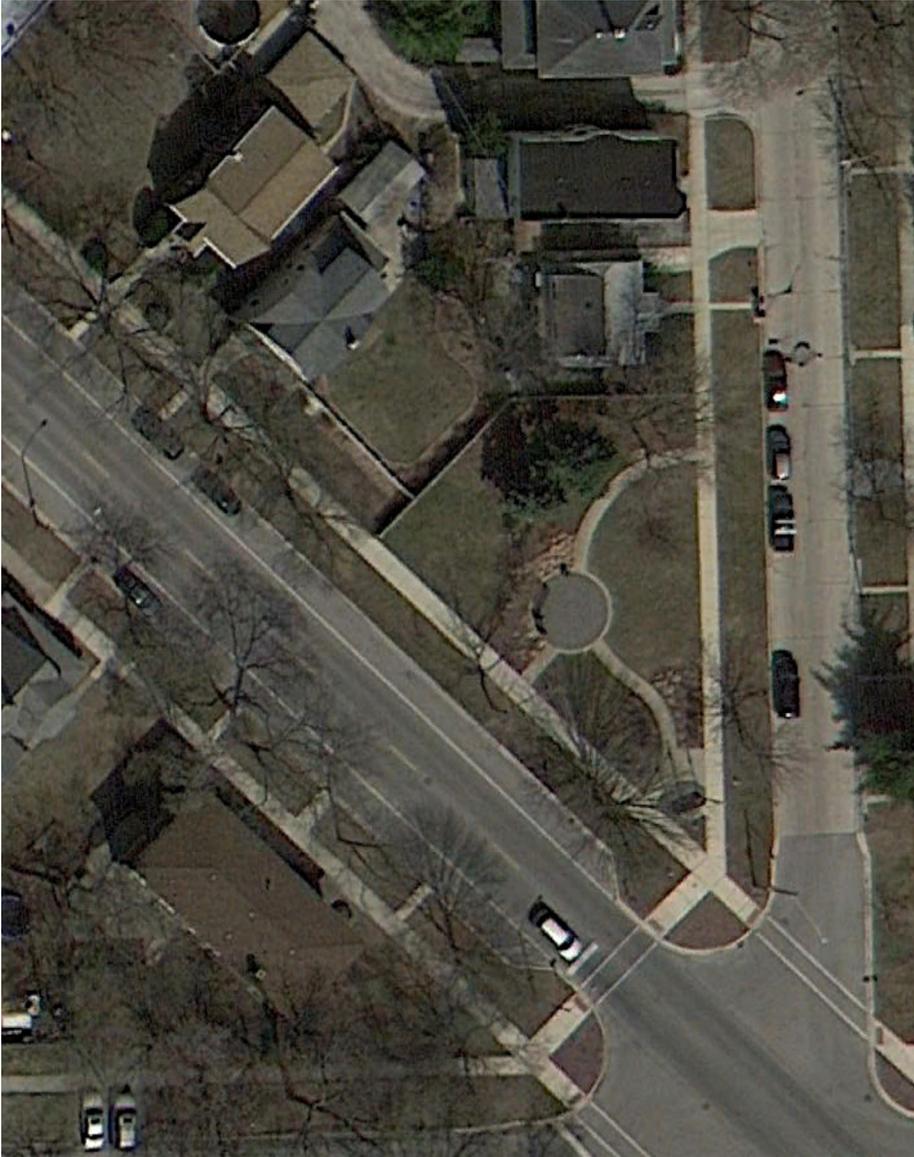
slide (1965)



swings



overall character



Veterans Memorial Park aerial



park signage and flag poles



memorial wall



passive seating area



overall character

Candy Cane Park

Classification
Acres

Neighborhood
2.0

CONTEXT

- Park context consists of single family residential open space. Residential neighbors encompass the park in all directions.

NATURAL FEATURES

- The park is not located within a floodplain or wetland.
- Parks landscaping is composed of shade trees and open turf space.

SITE DESIGN

- Park includes a playground with a small 2-5 and large 5-12 age appropriate play structure and 1 infant swing, 2 tot swings, and 3 belt swings. Playground also includes 2 spring rocker play pieces.
- Site furnishings include benches and trash receptacles.
- Site has connection to other neighborhood components or parks within the overall system.
- The overall aesthetics of the park and existing structures are faded and outdated.
- A fenced in tennis court , 1/2 basketball court, and multi-use sport court occupy the southwest corner of the park.
- Park identification sign is present.
- Park specific parking is not provided, however nearby on-street parking is available.
- A tee ball field is present in the southeast corner with a small backstop and line fencing.

HEALTH & SAFETY

- Park does not have security lighting.
- Rules sign is present.
- A chain-link fence encompasses the tennis and basketball court with the adjacent neighbors.
- No direct perimeter fencing is present.

USERS & PROGRAMS

- Primarily serves as an active park.
- Users include drop-in and neighborhood residents as well as some regional visitors
- The park does not have any active programming.

RECOMMENDATIONS

- Implement Village standards.
- Implement park identification standards.
- Provide ADA sidewalk access to all amenities, seating areas, and site elements.
- Replacing fencing at tennis and basketball courts.
- Reconstruct or resurface tennis court. Implement new standards.
- Reconstruct or resurface basketball court. Implement new standards.
- Replace/redesign playground equipment.
- Remove backstop.
- Improve and beautify overall landscaping.
- Consider a picnic shelter for this park.
- Add picnic amenities, such as grills.
- Consider 3-hole disc golf.

QTY	Year
1/8	
1	
1	'98-'99
1/2	
1	
1	
STREET	

- Trails-Multi-Use (miles)
- Trails-Fitness (Stations)
- Restrooms
- Picnic Shelter
- Picnic Area
- Playground
- Baggo
- Basketball
- Baseball
- Disc Golf (holes)
- Football
- Horseshoes
- Skate Park
- Soccer
- Softball
- Tennis
- Volleyball
- Fishing (*dock)
- Ice Skating
- Swimming Pool
- Splash Pad
- Tee Ball
- Parking



Candy Cane Park aerial



identification sign and sport courts



drinking fountain



open lawn space



overall character



2-12 play structure

Jaycee-Ehlert Park

Classification
Acres

Community Park
29.37

CONTEXT

- Park context consists of single family residential open space. Residential neighbors encompass the park in all directions.

NATURAL FEATURES

- The park is located within a floodplain.
- Parks landscaping is composed of shade trees and open turf space.
- There are two detention basins, that are identified in the Chicago Wilderness Green Infrastructure plan within the park. One is located near the newest addition of the park in the northeast corner, while the other resides in the southwest corner.

SITE DESIGN

- Park includes a playground with a small 2-5 and large 5-12 age appropriate play structure and swings.
- Site furnishings include benches, trash receptacles, picnic tables, and picnic shelters.
- Site has connection to other neighborhood components or parks within the overall system.
- The overall aesthetics of the park and existing structures are in good condition.
- A fenced in tennis court with outdated standards and surfacing exists in the northwest quadrant of the site.
- Park identification sign is present.
- Park specific parking is provided in multiple locations around the park.
- There are additional amenities located within the park that are not mentioned above. Refer to the chart (above right) for a list and quantity of all existing amenities.

HEALTH & SAFETY

- Park does have security lighting.
- Rules sign is present.
- Park has ample internal connections between amenities and accessible routes.
- Pedestrian sidewalks encompass the park to the north, east, and south, as well as create an internal network throughout.
- Park context consists of single family residential open space. Residential neighbors encompass the park in all directions.
- Primarily serves as a active recreation park.

USERS & PROGRAMS

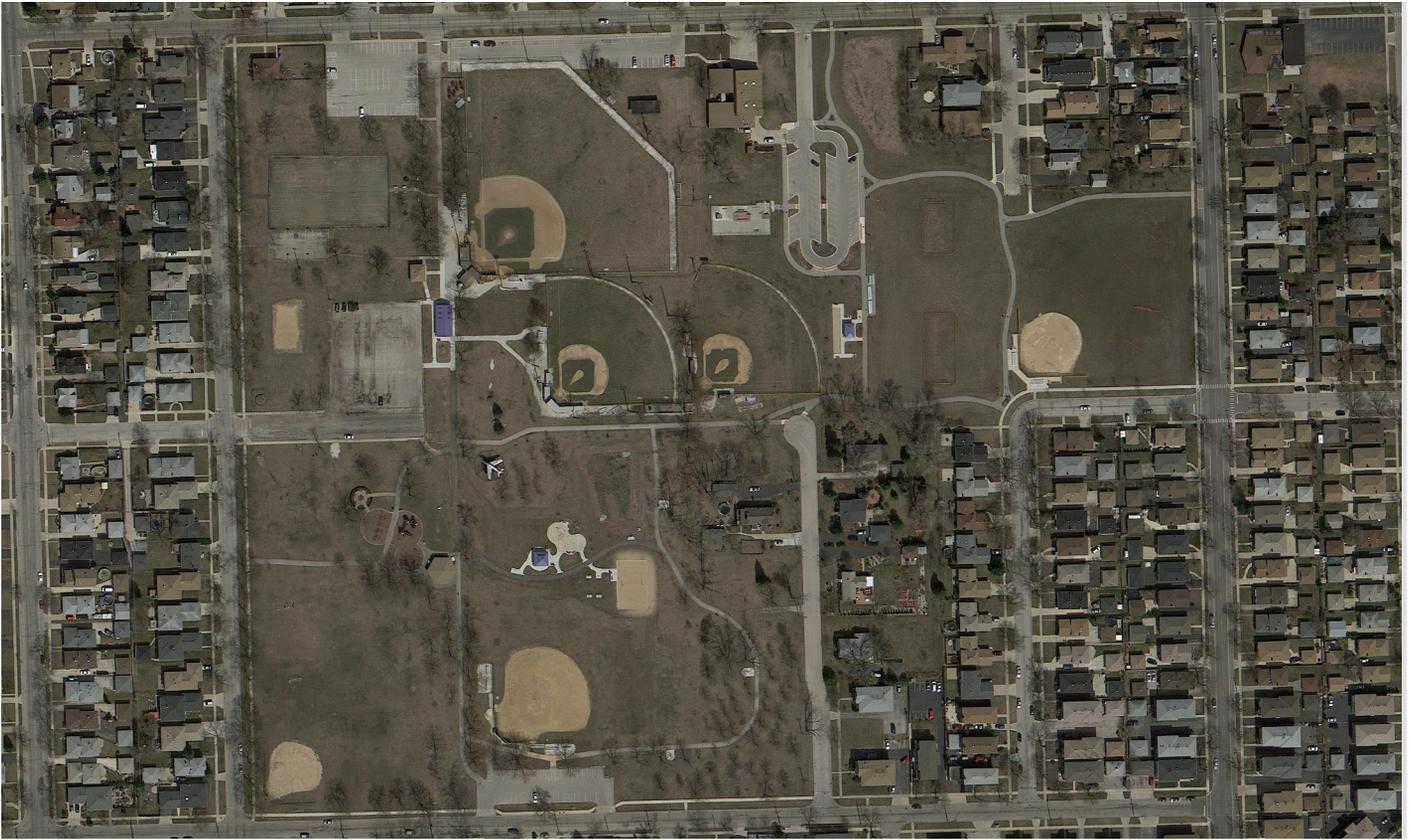
- Little League Baseball.
- Western Conference Baseball.
- Travel Baseball Leagues.
- Adult Softball Leagues.
- Baseball: recreation programming and non-organized use.
- Youth Soccer Leagues.
- Adult Soccer Leagues.
- Summer Youth Day Camps.
- Tennis: high school, recreation programming, and non-organized use.
- Basketball: recreation programming and non-organized use.
- Walking/Jogging.
- Dog Walking.
- Picnic opportunities.
- Bocce.
- Skateboarding.
- Playground: non-organized use.

QTY	Year
1.0	
3	
1	
3	
3	
1	'98-'99
2	
2	
3	
2	
1	
3	
3	
4	
1	
1	
YES	

- Trails-Multi-Use (miles)
- Trails-Fitness (Stations)
- Restrooms
- Picnic Shelter
- Picnic Area
- Playground
- Baggo
- Basketball
- Baseball
- Disc Golf (holes)
- Football
- Horseshoes
- Skate Park
- Soccer
- Softball
- Tennis
- Volleyball
- Fishing (*dock)
- Ice Skating
- Swimming Pool
- Splash Pad
- Tee Ball
- Parking

RECOMMENDATIONS

- Implement Village standards.
- Continue overall improvements per 2008 master plan, which can be found in Chapter 7: Appendix.
- Apply for additional grant funding to achieve the goals of the master plan.
- Develop a Phase 3 Master Plan for funding request.



Jaycee-Ehlert Park aerial



splash pad



picnic shelter



5-12 play structure



natural area and stormwater management



skate park

Kiwanis Park North

Classification
Acres

Community Park
31.60

CONTEXT

- Park context consists of single family residential open space. Residential neighbors encompass the park to the east, while the Salt Creek serves as it's western border.

NATURAL FEATURES

- The park is located within a floodplain.
- Parks landscaping is composed of shade trees and open turf space, forest preserve district, and the Oak Savannah.
- Topography is fairly flat with the exception of the banks to the Salt Creek.

SITE DESIGN

- Park includes a playground with a small 2-5 and large 5-12 age appropriate play structure and swings.
- Site furnishings include benches, trash receptacles, picnic tables, and a shelter.
- Site currently has no direct connection to other neighborhood components or parks within the overall system.
- The overall aesthetics of the park are in good condition as construction of Phase 1 was completed in fall 2014.
- 2 sand volleyball courts, a basketball court, baggo, horseshoes, and disc golf are additional non-programmed amenities on site.
- Park identification sign is present.
- Parking is available for a fee during M-F business hours as the lot also serve as a commuter parking lot for the Metra train line. Parking is free of charge in the evenings and on the weekends.

HEALTH & SAFETY

- Park does not have security lighting.
- Rules sign is present.
- Park has ample internal connections between amenities and accessible routes.
- Pedestrian sidewalks encompass the park to the north, east, and south, as well as create an internal network throughout.
- Park context consists of single family residential open space. Residential neighbors encompass the park in all directions.
- Primarily serves as an active recreation park.

USERS & PROGRAMS

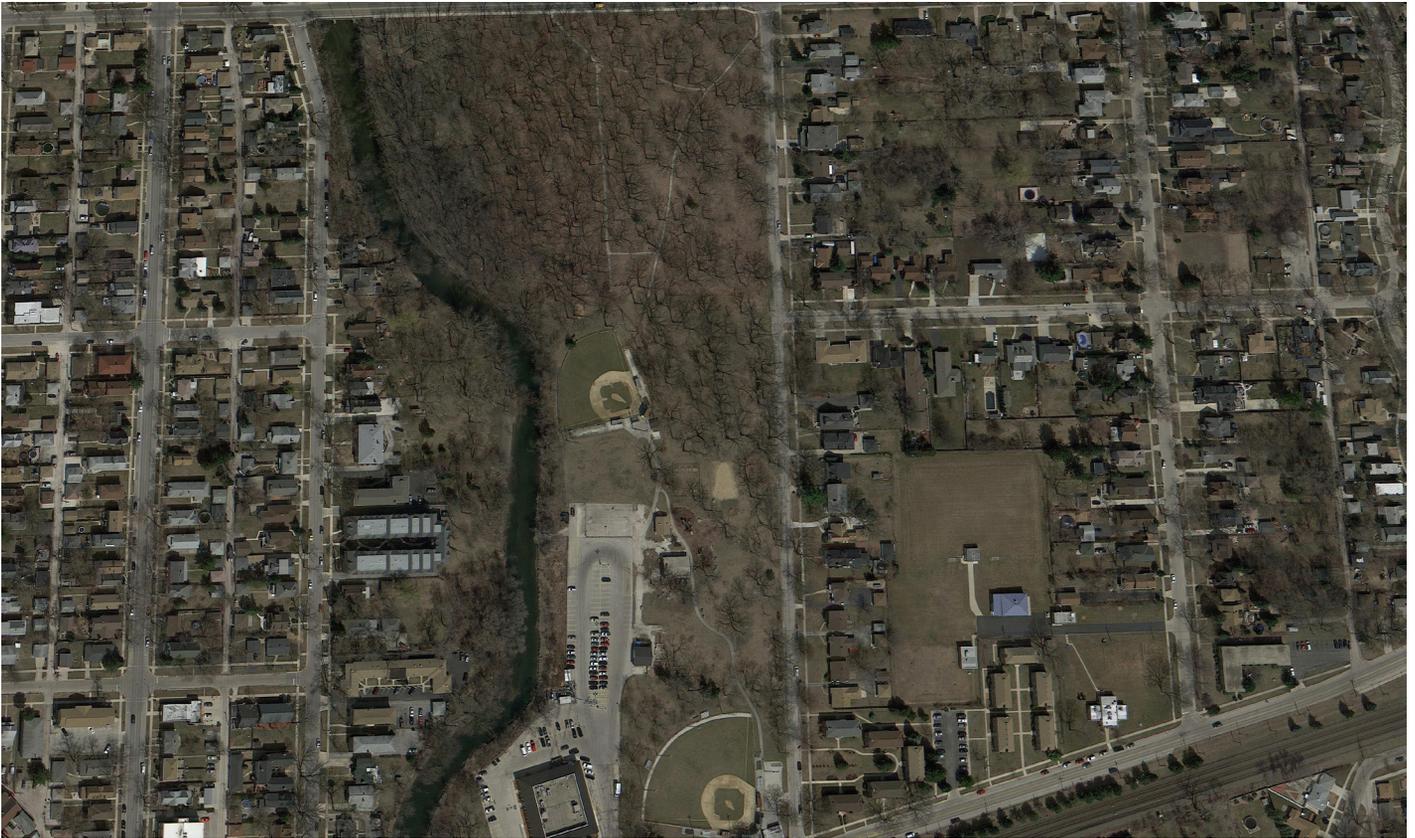
- Little League Baseball.
- Western Conference Baseball.
- Travel Baseball Leagues.
- Adult Softball Leagues.
- Baseball: recreation programming and non-organized use.
- Walking/Jogging
- Dog Walking
- Picnic opportunities
- Playground: non-organized use

RECOMMENDATIONS

- Improve connectivity by providing a connection to the regional trail system.
- Replace play equipment from 1998-1999.
- Make renovations to oak savannah through selective clearing, trail improvements, and interpretive signage.
- Make renovations to baseball facilities.
- Refer to Overall Park Master Plan in Chapter 7: Appendix.
- Refer to Canoe Launch Master Plan in Chapter 7: Appendix.

QTY	Year
0.85	
3	
2	
1	
1	
1	1997
2	
1	
2	
7	
3	
2	
YES	

- Trails-Multi-Use (miles)
- Trails-Fitness (Stations)
- Restrooms
- Picnic Shelter
- Picnic Area
- Playground
- Baggo
- Basketball
- Baseball
- Disc Golf (holes)
- Football
- Horseshoes
- Skate Park
- Soccer
- Softball
- Tennis
- Volleyball
- Fishing (*dock)
- Ice Skating
- Swimming Pool
- Splash Pad
- Tee Ball
- Parking



Kiwanis Park North aerial



bandshell



disc golf



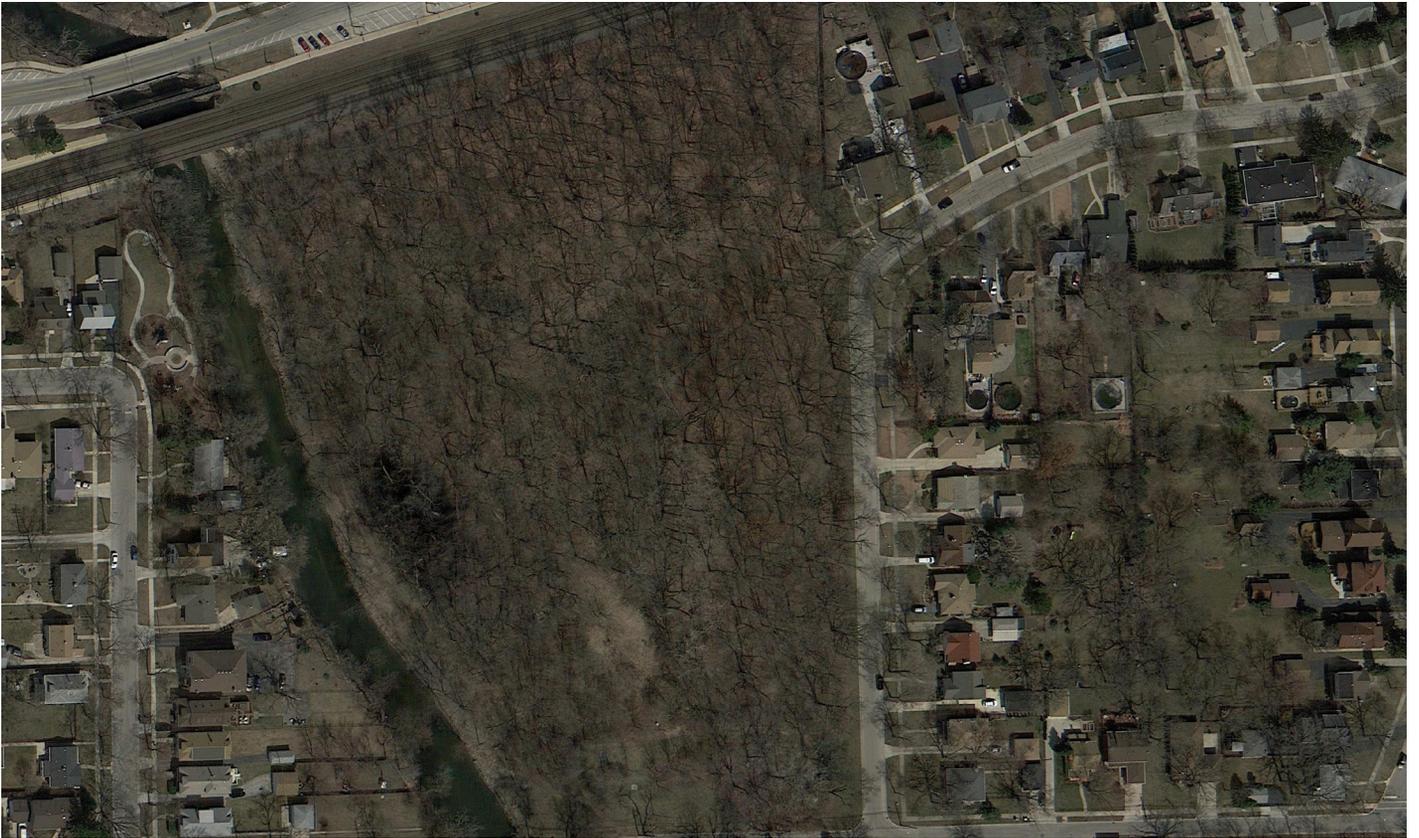
Oak Savannah and nature trail



picnic shelter and playground



baseball field



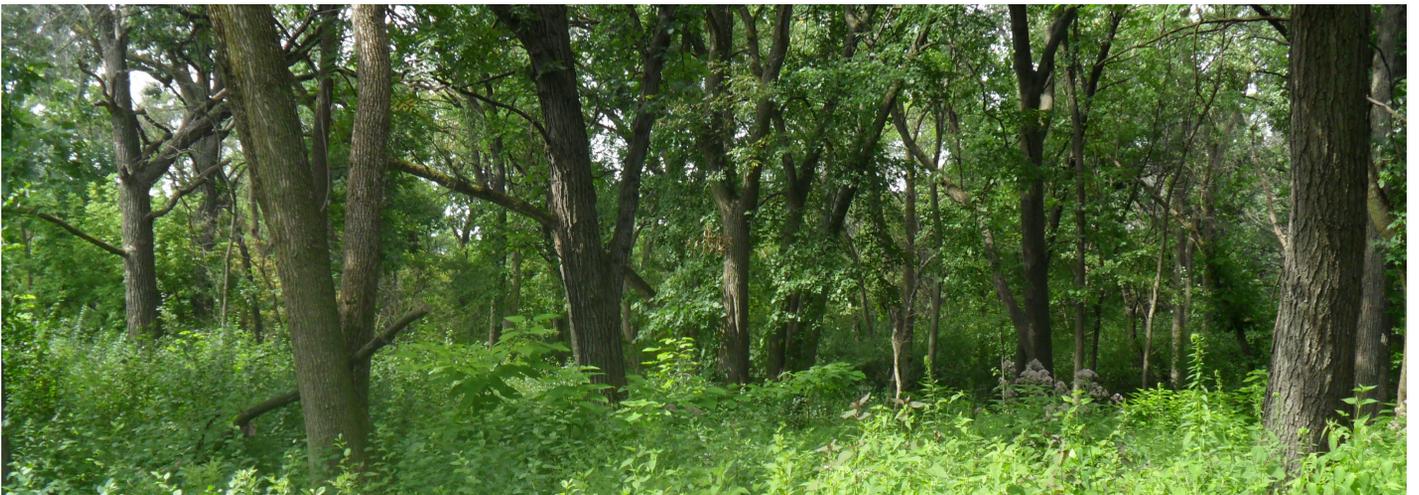
Kiwanis Park South aerial



edge and understory



proximity to Salt Creek



overall character



4

needs assessment



Needs Assessment

Documents the park, facility, and programming needs of the community based on results from the community needs survey, focus group meetings, stakeholder interviews, and Board of Trustees and staff workshops. Documents input received through the online engagement platform and identifies current issues based on information gathered during the Inventory and Analysis phase.

PURPOSE

A Community Input Survey via an online engagement portal - Engage Brookfield (mind-mixer) was completed during the Open Space Plan process in late Spring 2014 as well as a community input and advisory commission meetings, and the results of these are documented in this chapter. This chapter provides a comprehensive profile of the Board, staff, and community's needs and desires for the future of the Village's parks and open space.

With approximately 69 acres of open space, the Village of Brookfield offers residents a variety of outdoor recreational opportunities. The Village has seven Mini Parks, one Neighborhood Park, and two Community Parks. Kiawnis Park and Jaycee-Ehlert Parks are the Village's main outdoor recreation facilities and feature baseball fields, soccer fields, basketball and tennis courts, playgrounds, and picnic areas, among other things. With direct access to the Salt Creek, the Village also endorses access to the water trail with an informal canoe launch area. Most of the Mini Parks are unprogrammed with the exception of Veterans Memorial – which hosts holiday and military memorial services, Madlin Park – which is programmed with athletic activities such as soccer, track and field practice/events, and P.E., and Maple North Park – which houses infant care and day camp programs in the former pump house building and age specific park amenities on site. The Village also holds special events, such as music, food, and carnival festivals, outdoor movie nights, and art fairs among other things at the two larger Community Parks.

NATIONAL TRENDS

Understanding park and recreation trends helps to determine probable demands for services and amenities. Recreation trend reports were compiled from credible sources to explore what trends were being recognized at the national level. Trends in park agency functions, such as responsibilities, staffing, volunteers, budgeting, programming, and operations and maintenance are also described.

The **National Recreation and Park Association (NRPA)** released their 2013 Parks and Recreation Database Report, a report summarizing trend information derived from their online PRORAGIS application. PRORAGIS is a tool designed to assist park and recreation leaders in their need to continually examine and communicate the value of parks to their communities. The report is derived from an online database of information provided by park and recreation professionals about their respective district, departments, or organizations. In all, 383 agencies are represented in this data.

Based on the information they received over the past three years, the following trends were concluded:

- Areas of increased agency responsibility include conducting special events, maintaining public jurisdiction areas, and administering community gardens.
- Area of decreased park and recreation agency responsibility include managing major aquatic complexes and providing environmental education and natural history programs.
- Staffing and hiring, while still lower than 2010 numbers, is increasing while volunteer numbers declining.
- November 2012 saw the largest number of park and recreation capital ballot referendums since 2008. In general, they passed with about 67% of electoral support. This indicates an improved public confidence in the future economy and their support of park and recreation services.
- While attendance at programs, classes, and events is rebounding from past decline, the actual number of program offerings has declined in every major category since 2010.

STATE OF ILLINOIS RECREATION TRENDS AND NEEDS

According to the **2009-2014 Statewide Comprehensive Outdoor Recreation Plan (SCORP)**, while other states in the Midwest, have been experiencing flat population growth or even loss of population, Illinois has consistently gained residents. Especially in the state's urban areas, many of these new residents are more ethnically diverse and have different outdoor recreation preferences. Planning must consider their needs. Other segments of the population that will require attention include those with disabilities and lower incomes.

There are more than 1.4 million acres of outdoor recreational land in Illinois ranging from federal and state lands to schools and private commercial lands. City/Village and Park District outdoor recreation lands total an estimated 146,000 acres, resulting in a supply of 11.35 acres per 1,000 population. Statewide supply of regional recreation is 52.69 acres per 1,000 population, or 216,000 acres. This includes county and state lands.

For the 2009-2014 SCORP, The Illinois Department of Natural Resources conducted a survey that provides a snapshot of the attitudes toward selected outdoor activities within the state. Taken by over 1,500 Illinois residents in both urban and rural areas, the survey shows that most residents participate in some outdoor activities and most believe they are important and should be available, even if they do not participate in them.

Key findings of the survey include:

- The most popular outdoor activity across the state was pleasure walking, with 83% of respondents participating in the last year. Picnicking, bird watching, swimming, and using a playground were also the most popular activities. The least popular activities included trapping, snowmobiling, cross-country skiing and sailing.
- Activities that experienced the most growth in rural counties were fishing and hunting, while activities that expected growth in urban counties were walking and biking.
- A good portion of respondents (35%) indicated the state government was the most important provider of outdoor recreational amenities, followed by local (31%), county (20%), federal (9%), and the private sector (6%).
- Most residents reported being satisfied with outdoor recreation facilities in the state. Nearly half said the facilities have remained the same as previous years, while about one-third believed they have improved.
- Nearly half (43.5%) of respondents indicated activities they would like to start or start doing more often. Indicating Illinois residents are interested in outdoor activities.

COMMUNITY INPUT

Advisory Commission and Community Input Meeting

March 2014 - The meeting's intentions were to bring together the advisory commission and various Village committees, staff, and members of the community to discuss the Village of Brookfield Open Space Plan Update. After a brief presentation, there was an opportunity for an open floor discussion and each participant was given large sticky notes to document their suggestions, concerns, and comments – this data is listed below. The comments were then quickly categorized into general programming groups. Finally, each participant was asked to vote and mark three stickers for the amenities that best suit their priorities. A breakdown of the results can be found in **Chart 4.1** below.

Summary of priorities after group polling

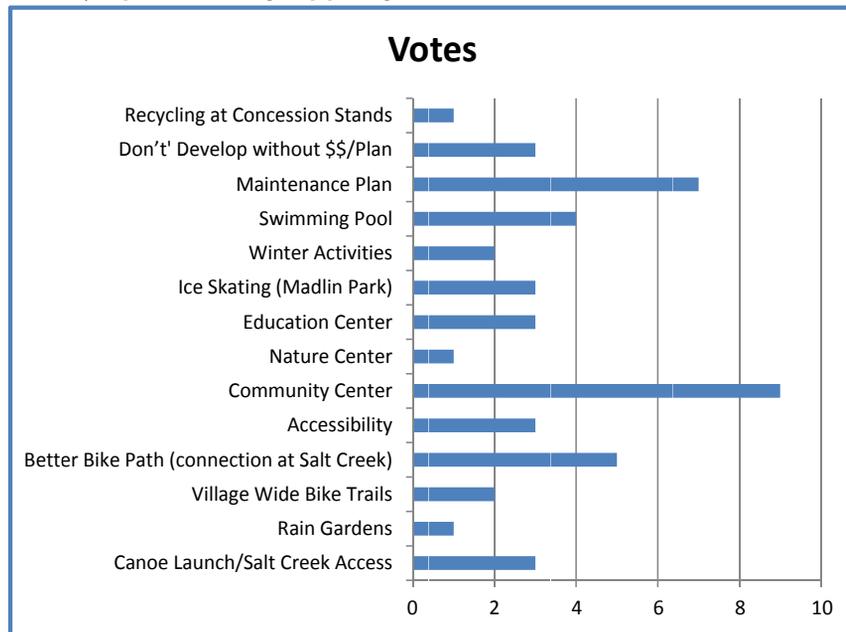


Chart 4.1 This chart identifies the key points and vote totals as discussed at the Advisory Commission and Community Input meeting in March 2014.

Board and Community Input Meeting

March 2014 - The meeting's intentions were to bring together members of the community, staff, and public officials to discuss the Village of Brookfield Open Space Plan Update. After a brief presentation, there was an opportunity for an open floor discussion from members of the community as well as feedback from the Board members. The comments were then quickly categorized into general programming groups as they were mentioned. Finally, the number of times each item was mentioned was quantified and tabulated. A breakdown of the results can be found in **Chart 4.2** below.

Summary of priorities after group comment and discussion

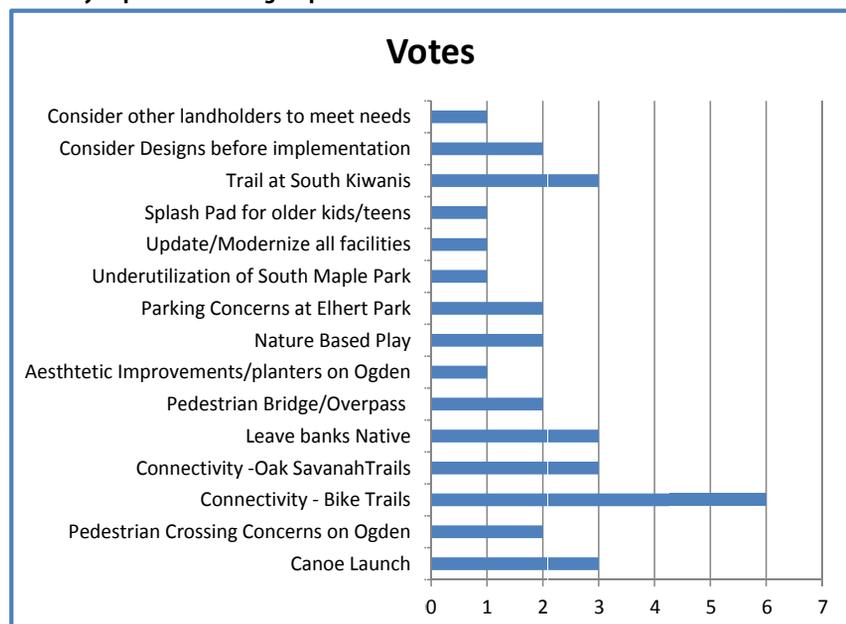
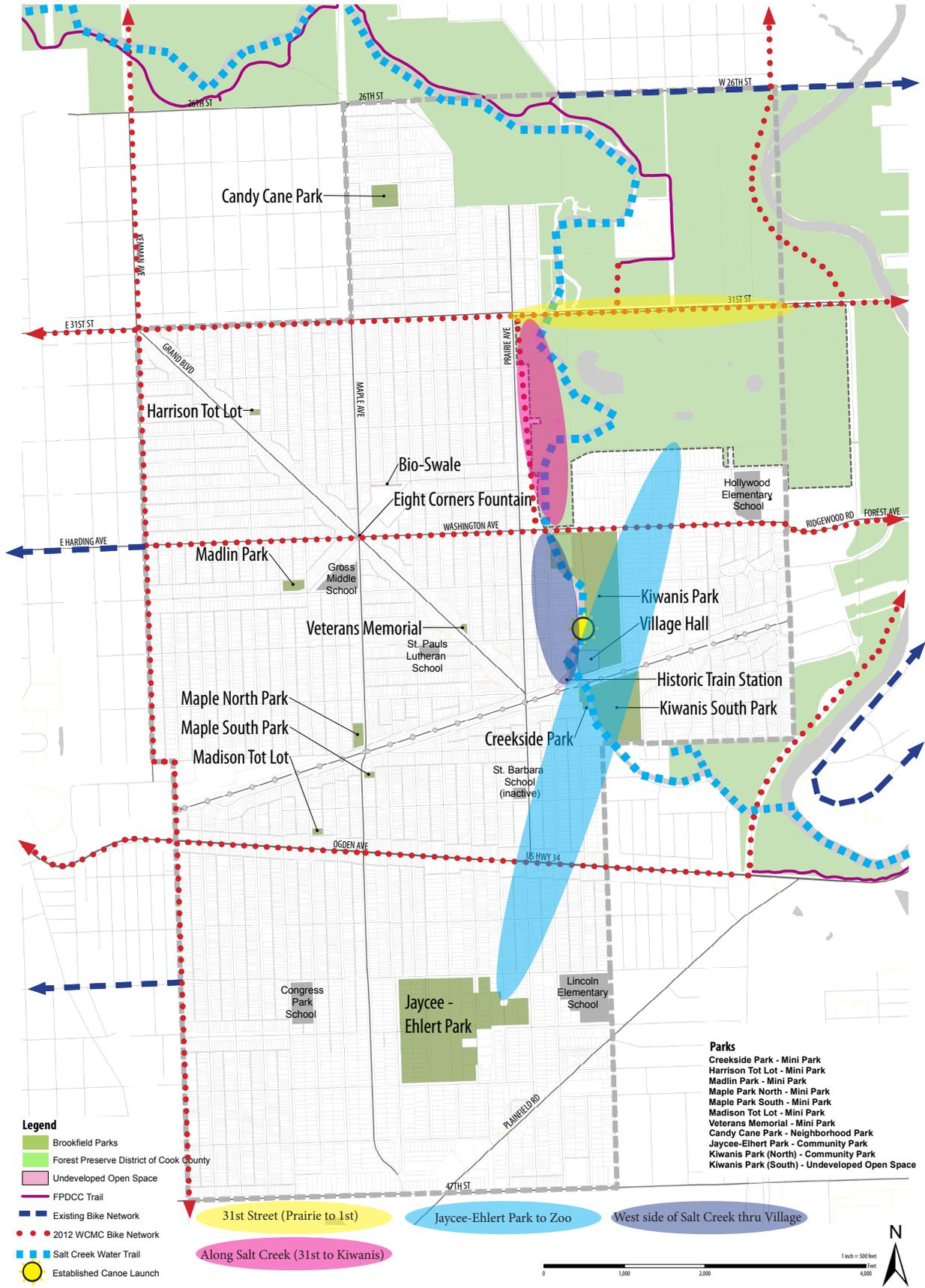


Chart 4.2 This chart identifies the key points and vote totals as discussed at the Board and Community input meeting in March 2014.



*A trail connection feasibility study will need to be conducted to further understand these identified connections and the possibility of implementation.

Community Survey (online engagement portal) - Engage Brookfield

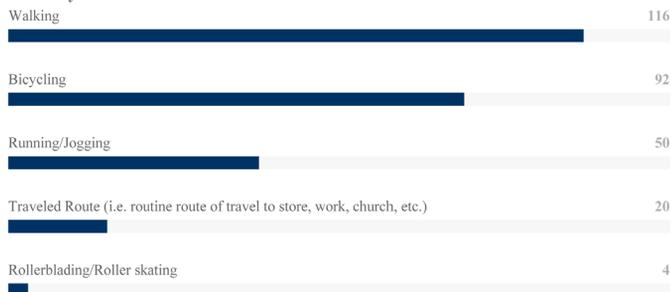
The Village teamed with the Hitchcock Design Group to administer an online community input session for 29 days in May of 2014. **Engage Brookfield** was created using Mind-Mixer and was developed as an online site to discuss ideas about how to improve the parks, programs, and open space in the Village of Brookfield.

Questions asked on Engage Brookfield:

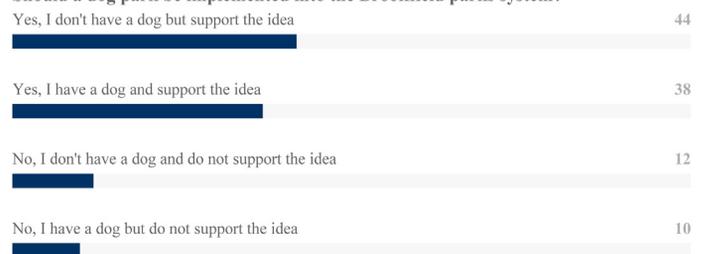
- *SURVEY* - Which Park Do you visit most often and what do you do there?
- *SURVEY* – How do you use the trails in Brookfield?
- *SURVEY* – Should a dog park be implemented into the Brookfield parks system?
- *SURVEY* – How can our parks improve?
- *SURVEY* – How often do you visit the parks and open space in Brookfield?
- *IDEA/OPEN RESPONSE* – What should happen to the undeveloped open space within the village?
- *IDEA/OPEN RESPONSE* – Where do you think the improvements can be made within the park system?

Responses: Some of the responses are shown in the result summaries below.

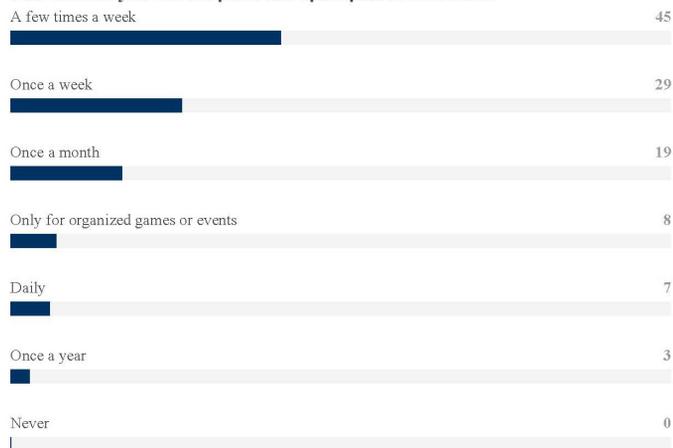
How do you use the trails in Brookfield?



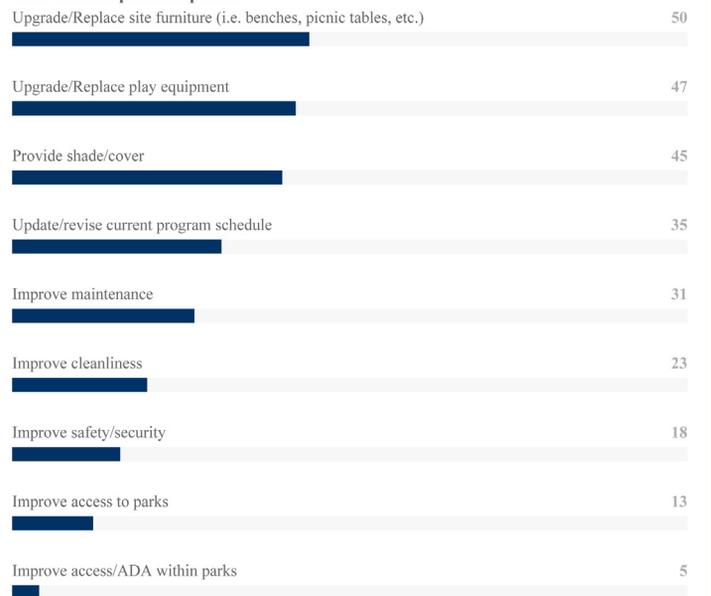
Should a dog park be implemented into the Brookfield parks system?



How often do you visit the parks and open space in Brookfield?



How can our parks improve?



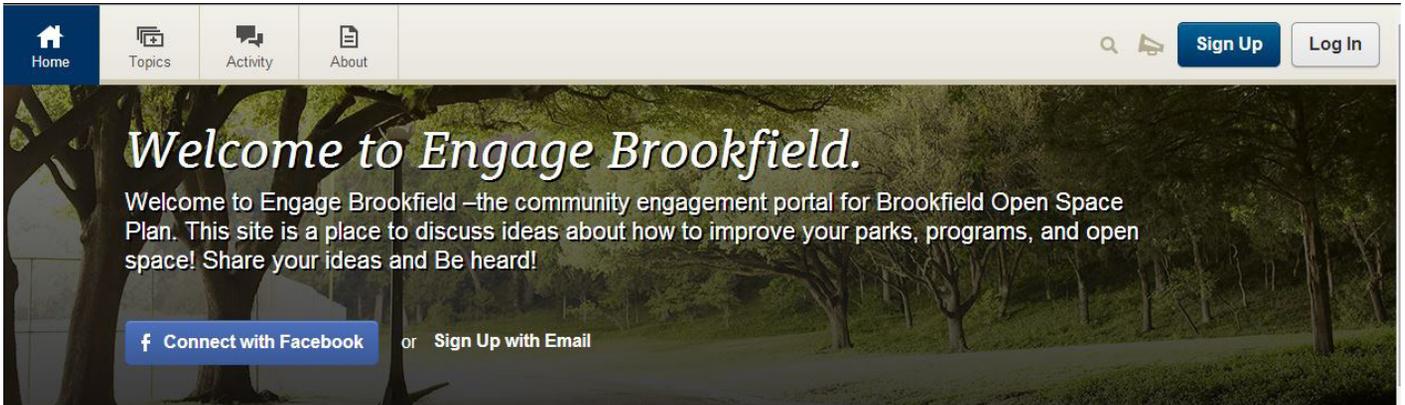


Image 4.1 The welcome screen and website banner for Engage Brookfield - the Village’s online engagement portal.



Image 4.2 Identifies the amount of total participants, comments (116) on posted questions or ideas, number of new ideas (87) as posted by members of the community, and the number of days that Engage Brookfield was up and running (29).

Image 4.3 Identifies the amount of traffic the site received, amount of unique visitors (1,202) which could include one person using multiple devices to connect, page views (6,246) which recognizes every time someone advanced through the pages, and finally the amount of times that Engage Brookfield was shared and which social media application was used. Remember there was 198 active users on the site.



Image 4.4 Identifies the key demographics that participated in the input exercise. 56% of participants were women (44% men), the average age of participants was 42.5 years of age. A further detailed breakdown of the age of participants can be seen in the vertical bar graph in the bottom right. While most of the participants were in the Village of Brookfield zip code, the graph on the left indicates that some of the responses came from surrounding communities.

AMENITY COMPARISON

A critical part of the planning process is understanding both the park land holdings of the Village as well as the amenities each park has to offer. Comparing this information with national, state, and local participation trends helps paint a better picture of how the Village compares to its context as well as how they are responding to the local needs and expectations of the community's residents.

The table to the right was derived from the Illinois Statewide Comprehensive Outdoor Recreation Plan (SCORP). It compares the estimated supply of recreational amenities provided within the state of Illinois to the number of amenities provided by the Village of Brookfield on a per 1,000 population basis for the existing population of the Village. The Illinois Department of Natural Resources uses this table to evaluate and prioritize grant funding assistance based upon how the Village compares to the state and national averages, as well as how the Village responds to the eight priorities described in the 2009-2014 Illinois Statewide Comprehensive Recreation Plan. The National Recreation and Parks Association (NRPA) has also established standards for facilities per 1,000 population that are illustrated in the last two columns of the table. This table excludes those amenities that are beyond their useful life. For useful life criteria see the Appendix, Chapter 7.

Existing Parks & Current Population

The line items highlighted in the red boxes are amenities the Village of Brookfield is 'extremely' deficient in compared to the state and/or national average. Blue items are 'highly' deficient, purple amenities show moderate deficiency, and the orange category identifies amenities that are deficient, but are lower priority - these are items the IDNR will prioritize for grant funding. Items that meet or exceed the state or national averages are not highlighted. This table is based off the current 2013 population of 18,981.

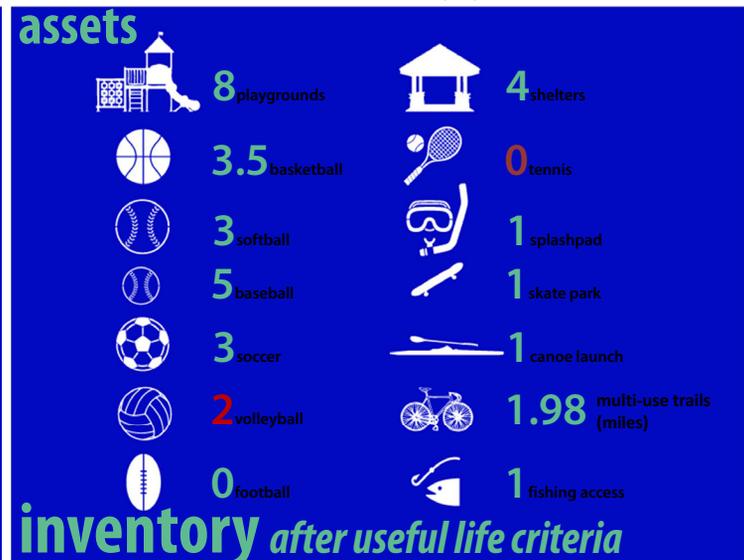
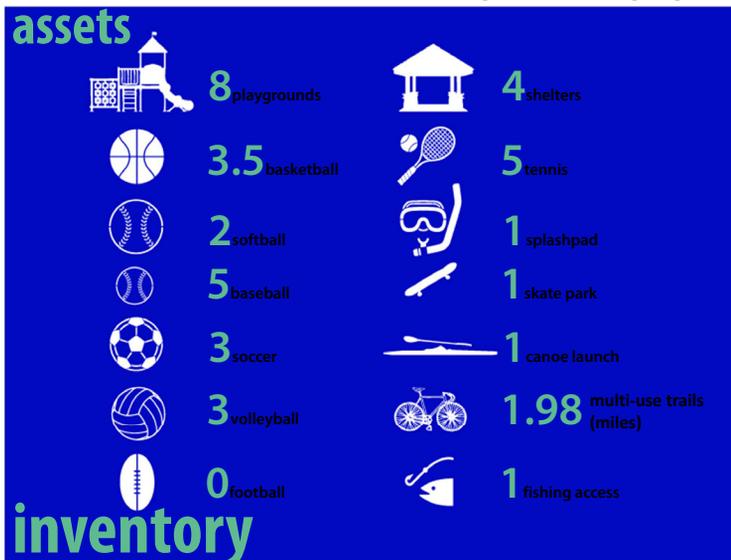


Image 4.5 Amenity Inventory summary

Image 4.6 Amenity Inventory (after useful life criteria)

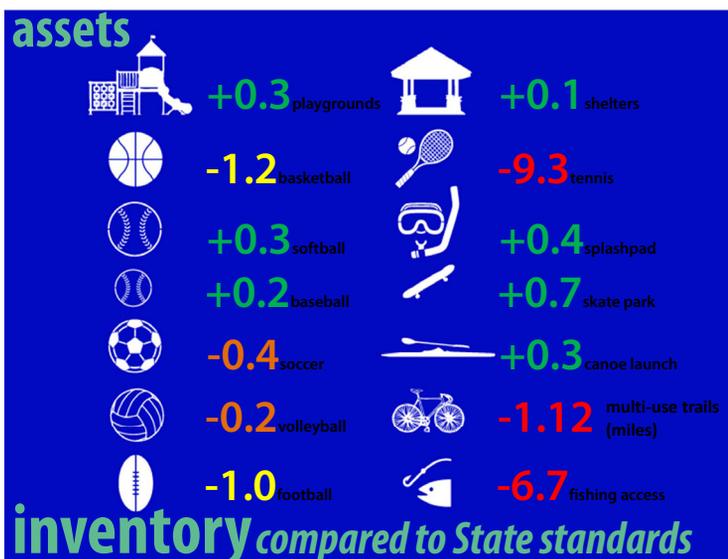


Image 4.7 Amenity Inventory (compared to State standards)

Projected Population (18,981)

	Village of Bookfield		Illinois Facility Average		NRPA Facility Average	
	Existing # of Facilities	Existing # of Facilities per 1,000 population	Total # of Facilities needed to meet IL Average	IL Average # of Facilities per 1,000 population	Total # of Facilities needed to meet NRPA Standards	NRPA # of Facilities per 1,000 population
Water Based Facilities						
Fishing Pier / Docks / Access	1	0.05	7.7	0.41	0.0	
Swimming Pools	0	0.00	0.5	0.03	0.9	0.05
Trails						
Hiking Trails		0.00	8.7	0.46	0.0	
Cross-Country Trails		0.00	7.6	0.40	0.0	
Multi-Use Trails (Miles)	1.98	0.10	3.1	0.16	0.0	
Bicycle Trails	0.7	0.04	1.9	0.10	0.0	
Nature/Interpretive Trails (Miles)	0.25	0.01	1.0	0.05	0.0	
Physical Fitness Trails (Stations)	6	0.32	4.2	0.22	0.0	
Day Use Facilities						
Interpretive Centers		0.00	0.2	0.01	0.0	
Playgrounds	8	0.42	7.7	0.40	0.0	
Picnic Shelters	4	0.21	3.9	0.21	0.0	
Sports Courts and Facilities						
Tennis Courts	0	0.00	9.3	0.49	9.5	0.50
Basketball Courts	3.5	0.18	4.7	0.25	3.8	0.20
Football Fields	0	0.00	1.0	0.05	0.9	0.05
Running Tracks	0	0.00	0.9	0.05	0.9	0.05
Ice Rinks	0	0.00	0.8	0.04	0.0	
Shuffleboard Courts	0	0.00	0.9	0.05	3.8	0.20
Soccer Fields	3	0.16	3.4	0.18	1.9	0.10
Volleyball Courts	3	0.16	3.2	0.17	3.8	0.20
Dog Parks	0	0.00	0.1	0.01	3.8	0.20
Softball Fields	3	0.16	2.7	0.14	3.8	0.20
Horseshoe Pits	5	0.26	4.6	0.24	3.8	0.20
Baseball Fields	5	0.26	4.8	0.26	3.8	0.20
Bocce Court	1	0.00	0.0	0.00	0.0	
Canoe only access areas	1	0.05	0.7	0.04	3.8	0.20
Disc Golf	7	0.37	0.2	0.01	3.8	0.20
Skate Park	1	0.05	0.3	0.02	3.8	0.20
Spray Grounds	1	0.05	0.6	0.03	3.8	0.20
Badminton	0	0.00	0.0		3.8	0.20
Handball	0	0.00	0.0		0.9	0.05
Multiple Use Court	1	0.05	0.0		1.9	0.10
Ice Hockey (Indoor)	0	0.00	0.0		0.2	0.01

PRIORITY LEGEND

Extremely Deficient (2 or more units short)
Highly Deficient (1.5-1.9 units short)
Moderately Deficient (0.6-1.4 units short)
Deficient (0.5 or less units short)
Surplus or Comparable to Standards

*Does not include trails within FPDCC

Chart 4.3 Identifies key deficiencies in amenities, as indicated by the IDNR, within the Village compared to State and National averages.

SUMMARY OF PARKS AND RECREATION NEEDS ASSESSMENT

The Village of Brookfield's residents have provided multiple layers of input regarding the condition of the Village's Parks and Open Space. This community input includes public meetings, workshop sessions, and a month long online engagement exercise.

Public Input and Mind-Mixer outcomes :

- Update aging amenities at parks, especially furnishings and play equipment
- Provide more shade
- Interest in a dog park
- Better connectivity and trail connections
- Support natural area and Salt Creek conservation
- Improve access to Salt Creek
- Support canoe launch improvements
- Preservation of natural and native areas.

Trail connectivity and linkages, shade and shelters, as well as updating the aging amenities and play equipment are the recurring amenity items that were indicated.

When looking at the Village of Brookfield in comparison to State of Illinois and National averages, the amenities were broken into levels of deficiency - Extreme, High, Moderate, and Deficient. One thing to consider, is that although the Village represents a deficiency in an amenity, it is up to the Village to understand the demographic and desires of the community itself when considering trying to meet these state averages. The Village's highest deficiencies are in tennis courts, fishing access, and trails, although the numbers represented do not take into account the abundance of hiking and multi- use trails within the adjacent Forest Preserve District property. Softball and football also show a high range of deficiency within the Village. Playgrounds are on the brink of being considered highly deficient as most of the Village's playground holdings are nearing the end of their useful life age as determined by IDNR.





5

strategies & recommendations



Strategies & Recommendations

The Strategies & Recommendations Chapter contains the goals and recommendations necessary for the Village of Brookfield to meet the recreational needs of the community.

PURPOSE

These recommendations are the synthesis of the Inventory & Analysis and Needs Assessment data documented in the previous chapters. Through internal charrettes, staff and Board workshops, and a community-wide online engagement portal (mind-mixer), primary, long-term and ongoing initiatives were discussed, outlined, and prioritized resulting in the strategies set forth in this chapter.

This chapter outlines the long-term vision for the Village. Strategies and recommendations are grouped into four separate categories:

- Village wide Strategies
- Existing Parks and Open Space
- New Parks and Open Space
- Trail Corridors and Linkages

VILLAGE-WIDE STRATEGIES

- Create Neighborhood Park Prototype
 - Establish standards for acreage, design, and amenities.
- Get involved with Municipal Park Planning for park land dedication opportunities (location and configuration)
 - Communicate Neighborhood Park Prototype standards to Village Planner to collaborate on the developing and planning for the Village's park system.
- Embrace meaningful access to existing natural areas for passive recreation and interpretation
 - Implement trail connections, interpretive signage, and other appropriate amenities to encourage access and use.

EXISTING PARKS AND OPEN SPACE

The following tables outline the strategies and recommendations for all existing park and open space. Strategies are outlined as primary initiatives, or actions that should occur within the next five years, and long-term initiatives, or actions that will occur after 2017.

NEW PARKS AND OPEN SPACE

Although the Village is land-locked with little current opportunities to expand its park and open space land holdings, the Board should continue to seek opportunities for land acquisition to develop Mini Parks, particularly in the central core of Planning Area 1 and the western portions of Planning Areas 3 and 6.



Mini Parks

	Creekside Park	Harrison Park	Madison Park	Madlin Park
Primary Initiatives	<ul style="list-style-type: none"> • Develop park master plan as part of 2015 SDPP*. • Consider adding a boardwalk overlook and/or stone outcropping access to Salt Creek. • Update/add new playground. 	<ul style="list-style-type: none"> • Develop park master plan as part of 2015 SDPP*. • Improve entry landscaping/beautification. 	<ul style="list-style-type: none"> • Develop park master plan as part of 2015 SDPP*. • Provide access to all amenities with a internal ADA accessible path system. • Consider placing picnic table on an accessible concrete pad. 	<ul style="list-style-type: none"> • Develop park master plan as part of 2015 SDPP*. • Consider adding concrete curb around long-jump pit. • Add seating, trash/recycling receptacles, and bike racks. • Remove backstop in NW corner which appears to be well beyond it's useful life.
Long-Term Initiatives	<ul style="list-style-type: none"> • Implement 'Village Standards' (per 2015 plan). • Improved Landscape Maintenance and enhancements. • Develop a weed and invasive plants management strategy. 	<ul style="list-style-type: none"> • Implement 'Village Standards' (per 2015 plan). • Improved Landscape Maintenance and enhancements. • Consider upgrades/replacement of perimeter (side and rear) chain-link fencing. 	<ul style="list-style-type: none"> • Implement 'Village Standards' (per 2015 plan). • Improved Landscape Maintenance and enhancements. • Consider upgrades/replacement of perimeter (side and rear) chain-link fencing. • Consider removal or relocation of park in its entirety due to its proximity to neighboring uses. 	<ul style="list-style-type: none"> • Implement 'Village Standards' (per 2015 plan). • Improved Landscape Maintenance and enhancements. • Adjust/fix grading and flooding issues. • Consider upgrades/replacement of perimeter chain-link fencing.

*SPDD refers to the Schematic Design Park Planning package further discussed in Chapter 6.

Mini Parks

	Maple Park North	Maple Park South	Veterans Memorial Park
Primary Initiatives	<ul style="list-style-type: none"> • Develop park master plan as part of 2015 SDPP*. • Update/add new playground. • Consider a picnic shelter. 	<ul style="list-style-type: none"> • Develop park master plan as part of 2015 SDPP. • Update/add new playground. • Provide access to all amenities with a internal ADA accessible path system. • Beautification of landscaping and entry. 	<ul style="list-style-type: none"> • Develop park master plan as part of 2015 SDPP. • Consider a small shade structure over seating area.
Long-Term Initiatives	<ul style="list-style-type: none"> • Implement 'Village Standards' (per 2015 plan). • Improved Landscape Maintenance and enhancements. • Consider upgrades/ replacement of perimeter (side and rear) chain-link fencing. • Consider adding ornamental fence/ entry along front of park as seen in other Mini Parks. 	<ul style="list-style-type: none"> • Implement 'Village Standards' (per 2015 plan). • Improved Landscape Maintenance and enhancements. • Consider upgrades/ replacement of perimeter (side and rear) chain-link fencing. • Consider adding ornamental fence/ entry along front of park as seen in other Mini Parks. • Adjust/fix grading and flooding issues. 	<ul style="list-style-type: none"> • Implement 'Village Standards' (per 2015 plan). • Improved Landscape Maintenance and enhancements. • Consider a small memorial water feature.

*SPDD refers to the Schematic Design Park Planning package further discussed in Chapter 6.

Neighborhood Park

Candy Cane Park

Primary Initiatives

- Create a schematic master plan and apply for OSLAD Grant.
- Provide access to all amenities with a internal ADA accessible path system.
- Update/add new playground.
- Reconstruct/resurface tennis court/sport court and implement new standards.
- Consider a picnic shelter and support amenities.

Long-Term Initiatives

- Implement 'Village Standards' (per 2015 plan).
- Improved Landscape Maintenance and enhancements.
- Remove backstop in SE corner which appears to be well beyond it's useful life.
- Consider a 3-hole disc golf course.
- Replace chain-link fencing at tennis and sport court.

Community Parks

Jaycee-Ehlert Park

Primary Initiatives

- Continue overall improvements per 2008 master plan.
- Apply for additional grant funding to achieve the goals of the master plan.

Long-Term Initiatives

- Implement 'Village Standards' (per 2015 plan).
- Improved Landscape Maintenance and enhancements.

Kiwanis Park North

- Improve connectivity and relationship to the regional trail system.
- Update/add new playground.
- Make renovations to oak savannah through selective clearing, trail improvements, and interpretive signage.

- Implement 'Village Standards' (per 2015 plan).
- Improved Landscape Maintenance and enhancements.
- Make renovations to baseball facilities.

Undeveloped Open Space

Kiwanis Park South

Primary Initiatives

- Consider adding stone outcropping to provide access to Salt Creek, per the River Trail Plan discussed further in Chapter 6.
- Implement interpretive signage.
- Implement park identification signage.
- Consider nature-based play component.
- Add a loop trail.

Long-Term Initiatives

- Consider preservation to natural areas, woodlands, shoreline, and creek when possible during design and construction.
- Improve connectivity to the park by providing a connection to the regional trail system.



TRAIL CORRIDORS & LINKAGE RECOMMENDATIONS

The lack of defined trail assets is notable; and, the trails that do exist lack direct connections to many of the parks and residential areas within the Village. Filling in these gaps would create a more cohesive trail network. Some of the proposed trails, as indicated in the WCMC Bicycle Plan and the Village of Brookfield 2020 Master Plan, do address a lot of the gaps in the trail system. Key areas as voiced throughout the community input phase are indicated on the map on the next page.

Currently there is only one trailhead within the Village and it is located in the Forest Preserve, part of the Cook County Forest Preserve, in the northern part of the Village. Neither of the Village's Community Parks or any of the Mini or Neighborhood Parks are along the existing regional bike network system. A trailhead is a location along a trail where amenities such as parking, benches, bike racks, and drinking fountains occur to offer a place to get on and off the trail.

Recommendations include:

- Implement the proposed trails so that all residents are within 1/2 mile walking distance from a trail.
- Fill in gaps between parks, trails, and Village Destinations - primarily the community parks.
- Explore opportunities for loop trails within parks. Ensure loop trails have connections to the neighborhood pedestrian systems.
- Continue to work intergovernmentally to build safe pedestrian and bicycle routes, especially along 31st Avenue.
- Provide the trails and routes that were identified as critical areas by the community.
- Seek grant funding to help achieve financial support to create trails with the Village.



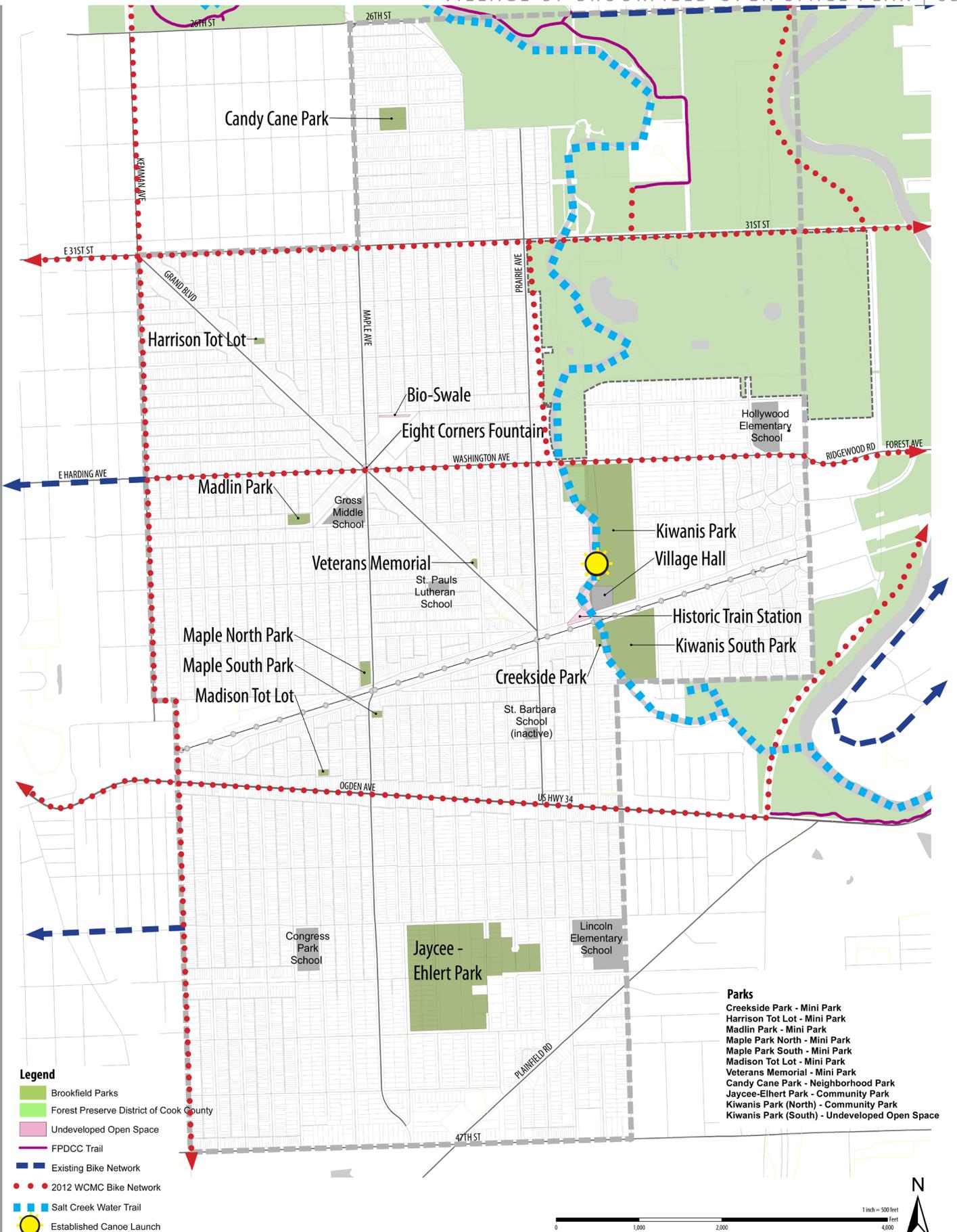
Shared Roadway



Bike Lane



Shared Roadway





6

implementation and 5-year plan

Implementation and 5-year plan

PURPOSE

This chapter lists the action items required to complete the recommendations listed in Chapter Four. These items have been prioritized and targeted for action over the next 5 years. Time-sensitive action items are both listed below and outlined on the implementation timeline. The first five years is then expanded, outlining specific directives recommended to complete implementation. These directives are guidelines and require an annual review to react to changes within the community, funding opportunities, and new Village needs.

2014 Completed Action Items

- Completed master plan and design for Kiwanis Park Canoe Launch site.
- Applied for a matching IDNR - Boat Access Area Development (BAAD) Grant (\$15K) for Kiwanis Park Canoe Launch site (9/1).
- Completed Kiwanis Park construction and held grand opening (fall).
- Adopted (this) Village of Brookfield Open Space Plan.

2015 Action Items

- Conduct a Dog Park feasibility study to confirm community interest, location, and design of a potential Dog Park facility.
- Develop a Schematic Design Park Planning (SDPP) package for all Mini Parks to be developed through 2019.
- Complete Eight Corners Fountains improvements (*from previous planning effort - 2013/2014*)
- Create park development standards for the Village of Brookfield (spring).
- Upon grant award, prepare construction documents for Kiwanis Park Canoe Launch site improvements.
- Competitively bid Kiwanis Park Canoe Launch site improvements, begin construction, investing \$15K with the supplemental grant reimbursement match in fiscal 2015.
- Create master plan for Candy Cane Park.
- Apply for a matching IDNR - Open Space Lands Acquisition and Development (OSLAD) grant (\$400K *target budget*) for Candy Cane Park (7/1).
- Prepare construction documents for Maple Park North and Maple Park South improvements (\$100K *target budget*) based on SDPP plan package (2015).
- Create a River Trail Master Plan to identify trail improvements along Salt Creek including access at key points, connectivity to other parks and open space, and conservation objectives.

2016 Action Items

- Develop programming services plan (spring).
- Complete bicycle route feasibility study for connections identified by residents (*spring*).
- Apply for a matching Trails Grant (\$400K *target budget*) from the IDNR for additional regional trail connectivity (March 1).
- Competitively bid and complete construction of Maple Park North and Maple Park South improvements.
- Upon grant award, prepare construction documents for Candy Cane Park site improvements.
- Competitively bid Candy Cane Park improvements, begin construction in fiscal 2016-2017.

2017 Action Items

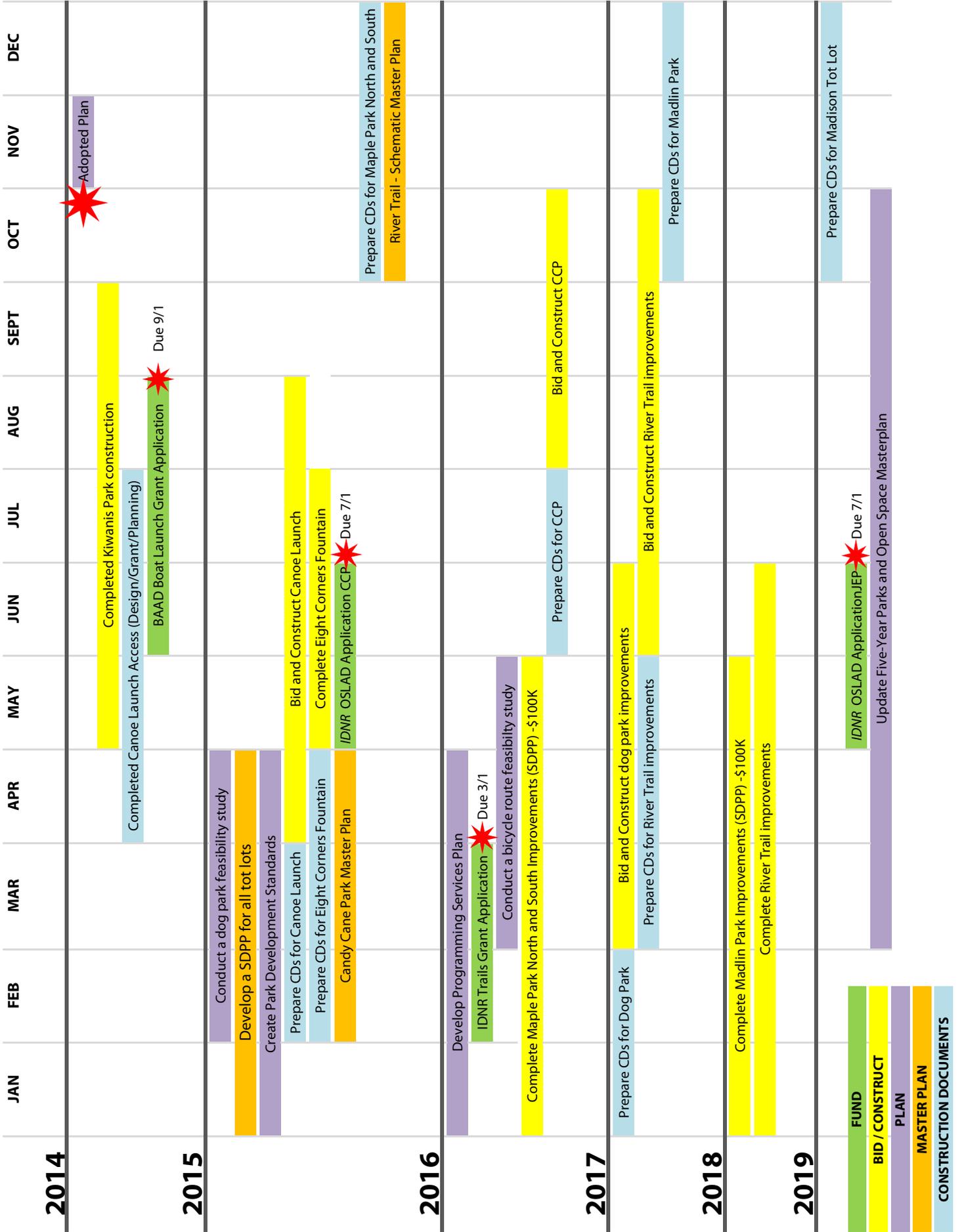
- Complete Candy Cane Park construction and hold grand opening (*spring*).
- Prepare construction documents for Dog Park facility improvements.
- Competitively bid Dog Park facility improvements (\$50K *target budget*) and complete construction (summer).
- Upon grant award, prepare construction documents for River Trail improvements.
- Competitively bid River Trail improvements, begin construction
- Prepare construction documents for Madlin Park improvements (\$75K *target budget*) based on SDPP plan package (2015).

2018 Action Items

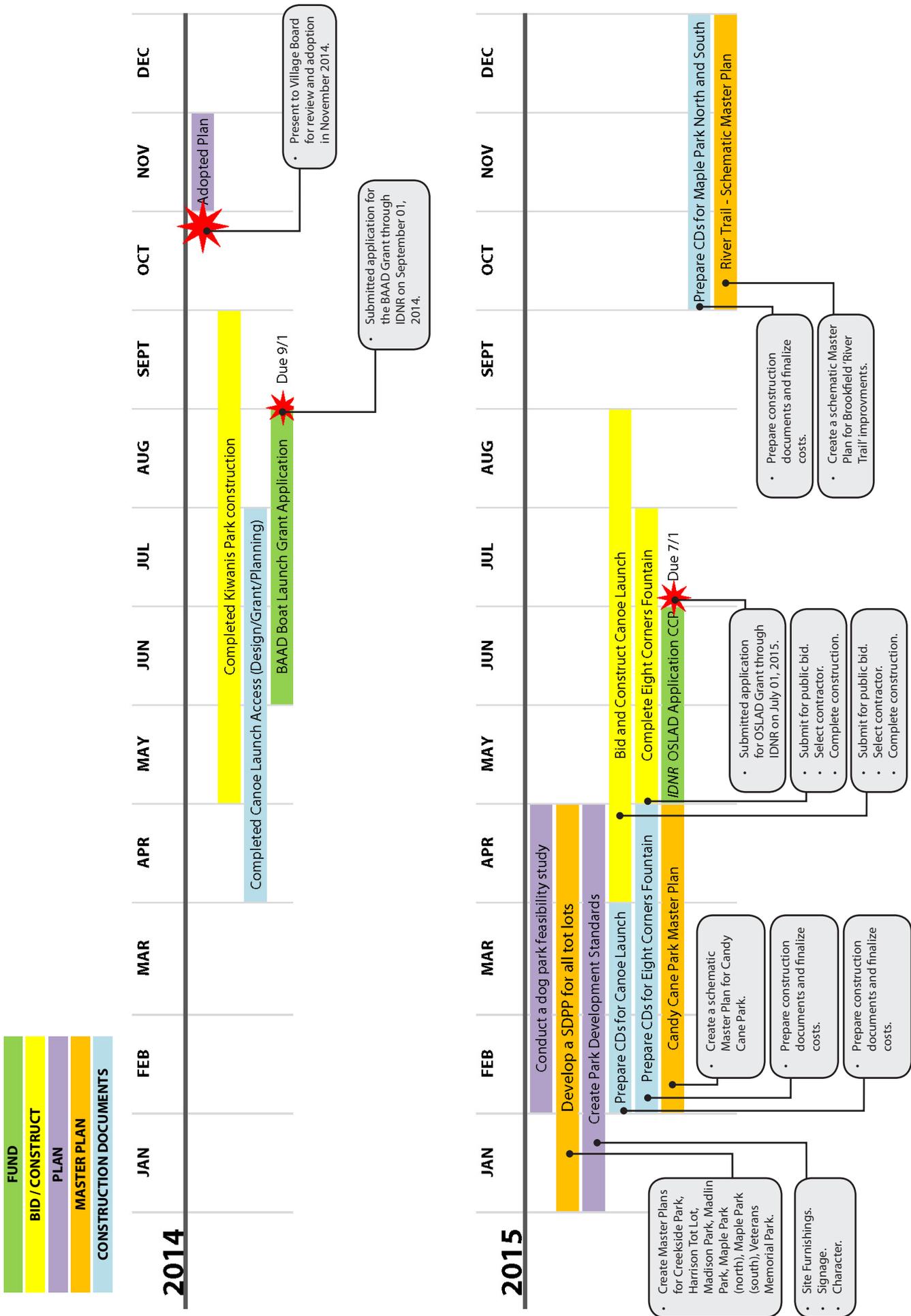
- Competitively bid and complete construction of Madlin Park improvements
- Complete Candy Cane Park construction and hold grand opening (*summer*).

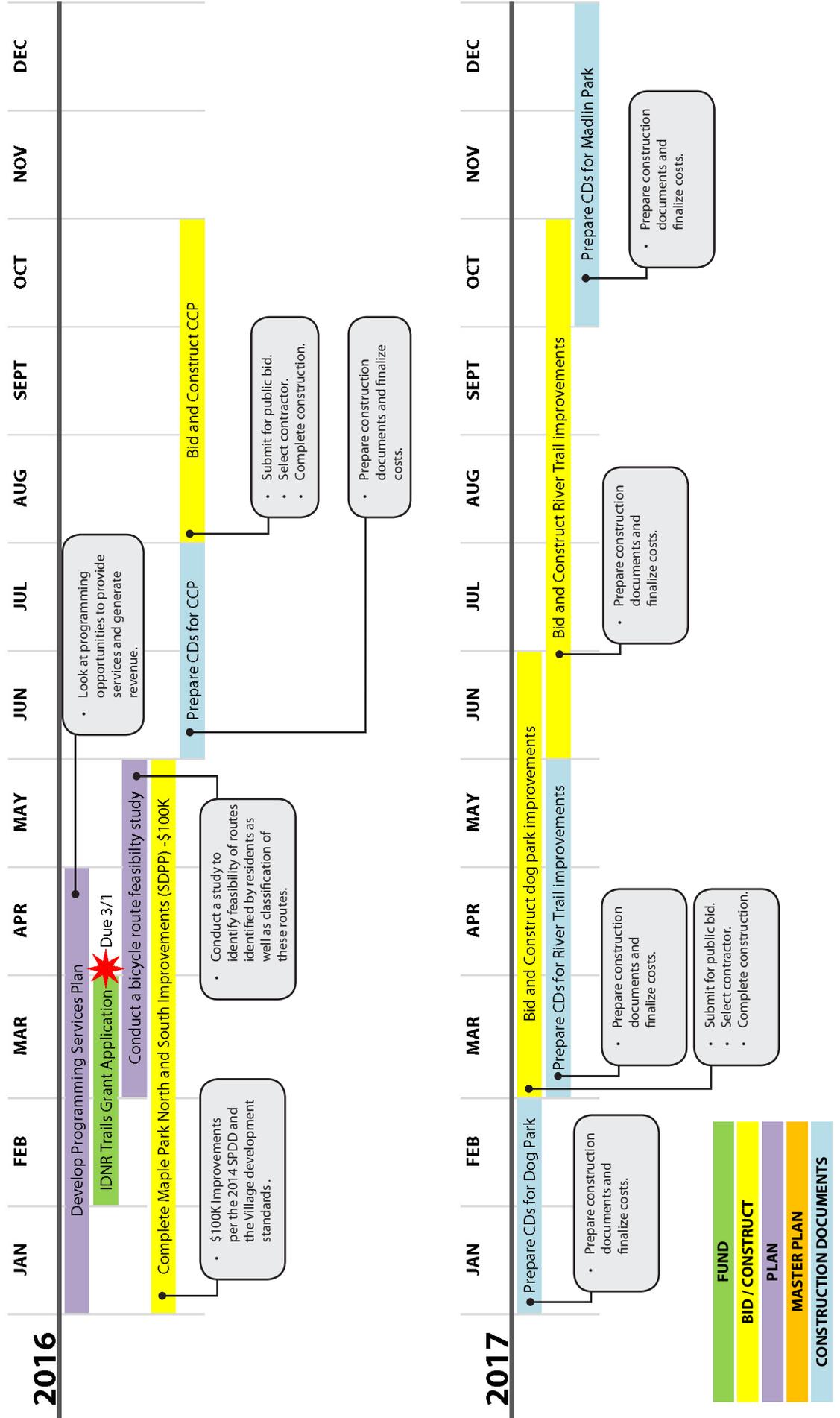
2019 Action Items

- Prepare construction documents for Madison Tot Lot improvements (\$50K *target budget*) based on SDPP plan package (2015).
- Apply for a matching IDNR - OSLAD grant (\$800K *target budget*) for Jaycee-Ehlert Park (7/1).
- Update Five Year Parks and Recreation Comprehensive Master Plan.

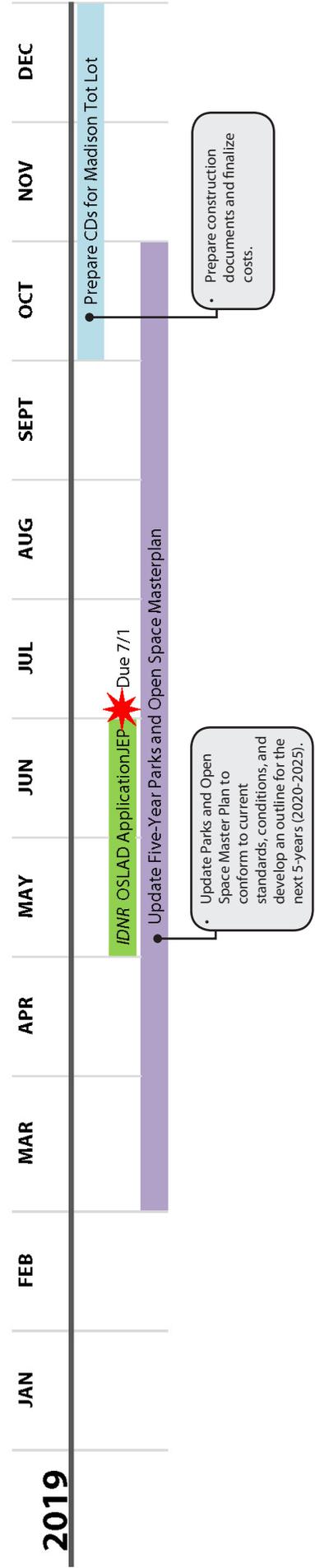
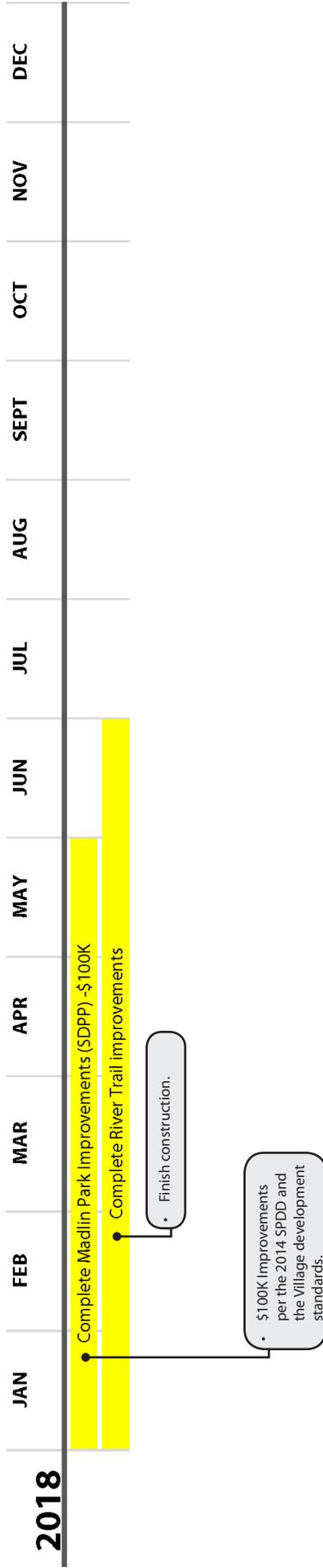


- FUND
- BID / CONSTRUCT
- PLAN
- MASTER PLAN
- CONSTRUCTION DOCUMENTS





- FUND
- BID / CONSTRUCT
- PLAN
- MASTER PLAN
- CONSTRUCTION DOCUMENTS







7

appendix

Appendix

Supplemental information from community needs Assessment, meeting summaries, and excerpts from other planning documents.

PURPOSE

This chapter includes any additional raw material used in the development of the Comprehensive Master Plan. These documents support and / or provide background information for the inventory and analysis, needs assessment, and strategies and recommendations.

ORDER OF ITEMS

- Official Zoning Map of the Village of Brookfield
- Village of Brookfield 2020 Masterplan (November 2004) Cover
- West Central Municipal Conference Bicycle Plan (April 2012) Cover
- CMAP Refinement of the Chicago Wilderness Green Infrastructure Vision final report (June 2012) Cover
- IDNR Useful Life Criteria
- Kiwanis Park Master Plan (June 2012)
- Jaycee-Ehlert Master Plan (June 2010)
- Canoe Launch Schematic Design (July 2014)

Official Zoning Map for the Village of Brookfield

This Map is the official zoning map for the Village of Brookfield, IL.

Approved by the Brookfield Village Board on the 8th Day of September 2014

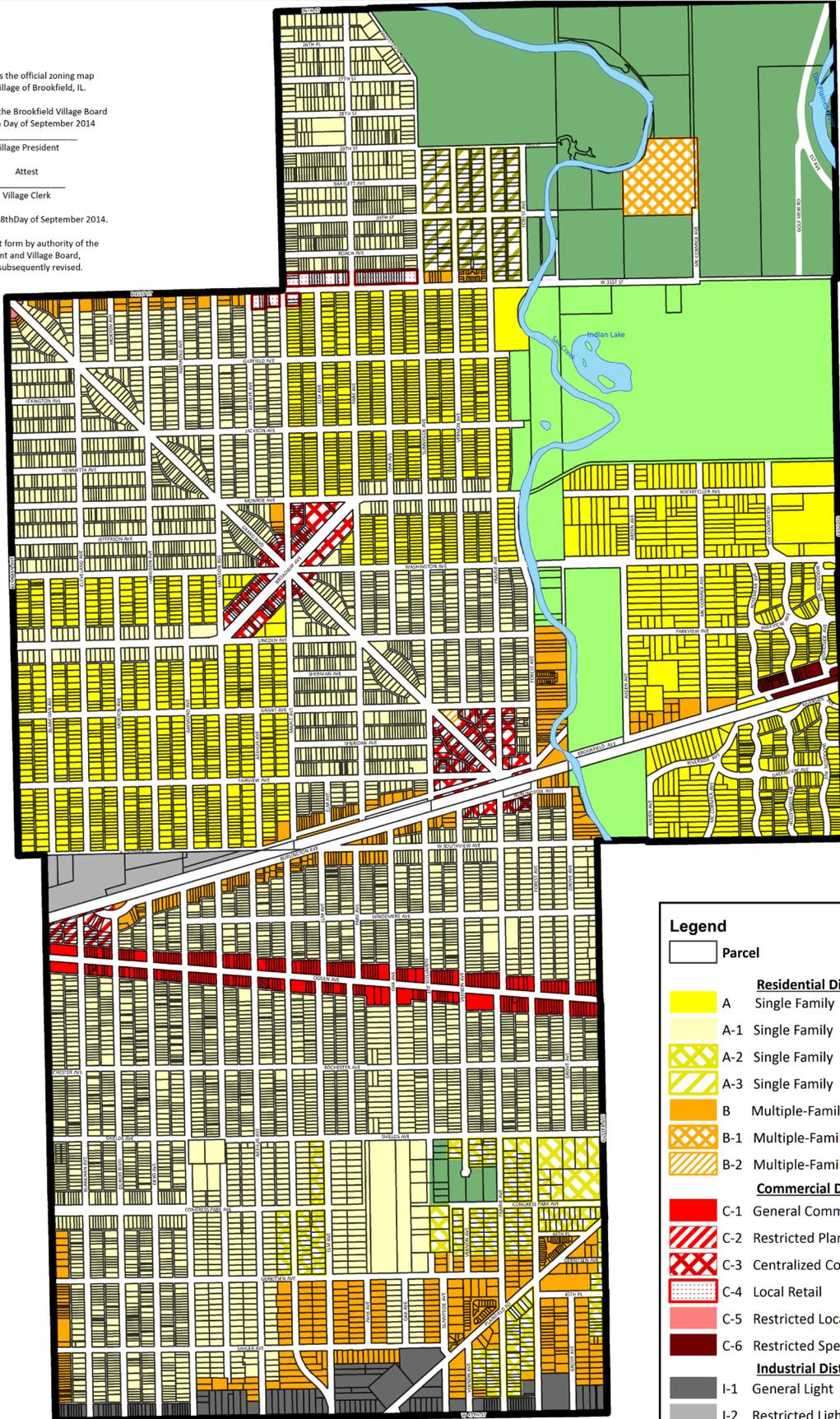
Village President

Attest

Village Clerk

Published this 8th Day of September 2014.

In pamphlet form by authority of the President and Village Board, and as subsequently revised.



Legend	
	Parcel
Residential Districts	
	A Single Family
	A-1 Single Family
	A-2 Single Family
	A-3 Single Family
	B Multiple-Family
	B-1 Multiple-Family
	B-2 Multiple-Family
Commercial Districts	
	C-1 General Commerical
	C-2 Restricted Planned Service
	C-3 Centralized Commerical
	C-4 Local Retail
	C-5 Restricted Local Retail
	C-6 Restricted Special Service
Industrial Districts	
	I-1 General Light
	I-2 Restricted Light
Special Districts	
	S-1 General Open Space
	S-2 Restricted Planned Open Space



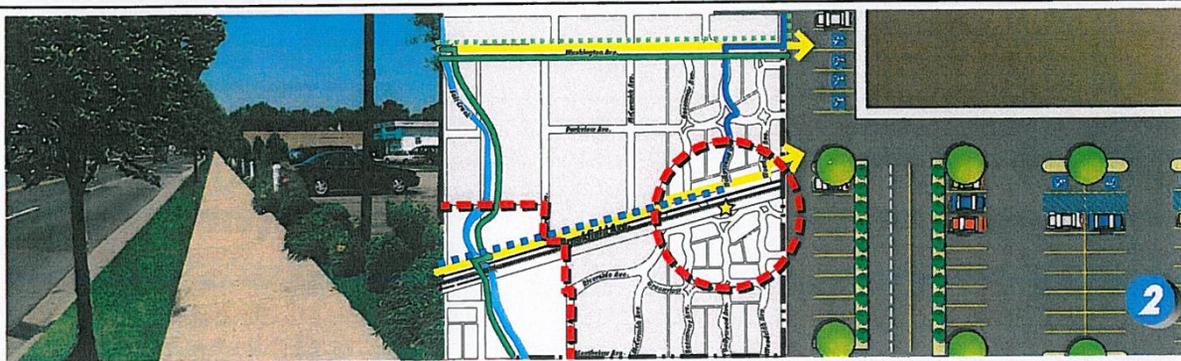
URS·TPAP

FARR ASSOCIATES
ARCHITECTURE | PLANNING | PRESERVATION

VLECIDES  **SCHROEDER**
ASSOCIATES, INC.

Village of Brookfield 2020 Master Plan

November 2004



URS CORPORATION
122 S. MICHIGAN AVENUE
SUITE 1900
CHICAGO, ILLINOIS 60603
JOB #25364726

West Central Municipal Conference Bicycle Plan

Presented by Active Transportation Alliance, April 11th, 2012

*The photos throughout this plan show some of the best examples
of bicycle facilities in the West Central Municipal Conference area.*

COVER: Trails along forest preserves

FACING: Bicycles in downtown Forest Park



ACTIVE TRANSPORTATION
ALLIANCE

CMAP



Refinement of the **Chicago Wilderness Green Infrastructure Vision** Final Report

June 2012



**Chicago
Wilderness**



APPLIED ECOLOGICAL SERVICES, INC.

THE CONSERVATION FUND

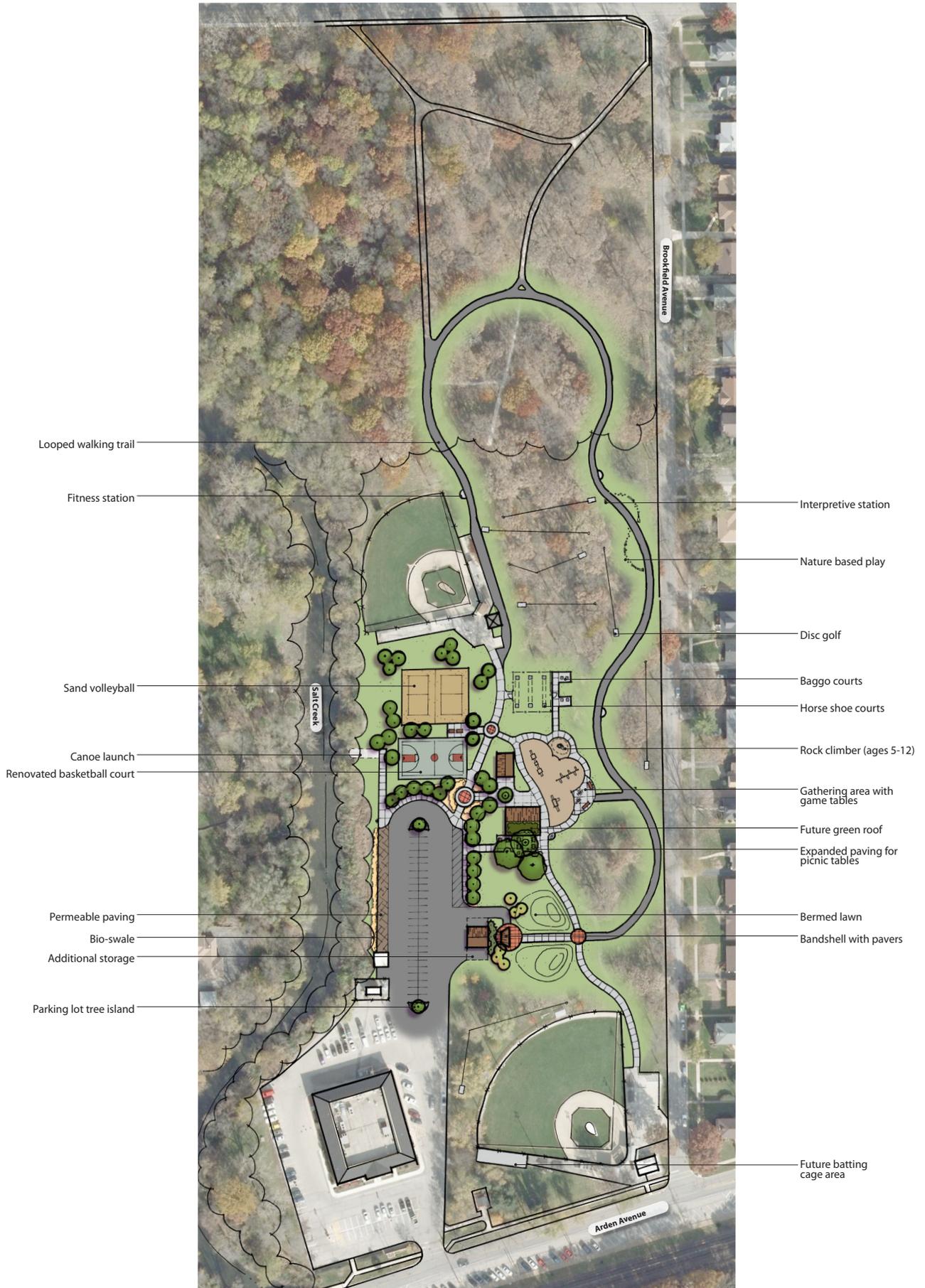
America's Partner in Conservation



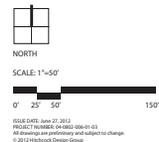
**IDNR Grant Administration Division
Per IPRA-Park & Natural Resource Management Section’s Recommendations**

USEFUL LIFE CRITERIA

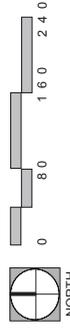
<u>FACILITY</u>	<u>Expected useful life</u>	<u>Evaluation Criteria – Factor</u>
<u>BB/Softball fields</u>	8-10 years	# Games/week, # Practices/week Grass infields? Maintenance Procedure/Standards Is site used for multiple uses, soccer, football? Is space used for organized or programmed events? Spectator considerations – bleachers Concession stands
<u>BB/Softball Field Lighting</u>	20 years	Pole Type (wood, steel, concrete) Wiring type (aluminum, copper) HID or incandescent fixtures Existing FC vs. new standards Accepted grounding systems? Panel Capabilities/Technology Electrical Code compliance
<u>Soccer Fields</u>	8-10 years	Usage rating A/B/C/D # games/week, # weeks/year, time of year, age of user
<u>Irrigation system</u>	20 years	Irrigated Y/N Usage # games per week Drainage considerations Maintenance standards/levels Is site used for organized or programmed events? To what extent? Is site used for multiple uses? Softball, BB or football
<u>Tennis Courts</u>		Lighted Y/N (Use BB Criteria)
Resurface	12-15 years	Surface clay, asphalt, other
Total Renovation	20-25 years	Color coat/overlay/rebuild Frequency of color coating Location – high water table Fencing material/posts Preventive maintenance Location: Water table concerns Is site used for organized or programmed events? To what extent? Are courts used for making ice?
<u>Basket Ball Courts</u>		Same as tennis courts
Resurface	12-15 years	
Total Renovation	20-25 years	
<u>Volleyball Courts</u>		Sand / Grass? Lighted Y/N Borders Bleachers/spectator area
<u>Shuffleboard</u>		Same as tennis courts
Resurface	12-15 years	
Total Renovation	20-25 years	



Schematic Plan
Kiwanis Park
 Brookfield, Illinois



PROJECT: 04-080-000-01-03
 © 2012 Hitchcock Design Group



Issue Date: June 14, 2010
Jaycee Ehlert Park West 2

Jaycee Ehlert Park West Master Plan

Brookfield, Illinois

PREPARED FOR:
Village of Brookfield

Master Plan

