

# Capital Improvement Plan



# **CAPITAL IMPROVEMENT PLAN**

## *FY 2016/17 Budget Narrative*

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### **LAKE COUNTY FOREST PRESERVES**

#### **GENERAL PROGRAM STATEMENT**

The District's Capital Improvement Plan (CIP) was developed to enhance the prioritization of projects based on criteria that identifies cost-effective improvements in alignment with the District's mission. The approved CIP is a rolling ten-year plan, updated annually, and is used to identify and coordinate funding requirements for improvement needs. This advance planning of District projects increases public awareness, helps the Board of Commissioners and staff prioritize based on changing needs, and provides a basis for logical, reasonable, balanced decision-making. Updating the plan annually allows flexibility to respond to changing circumstances and needs. Development of the CIP focuses on selecting existing or new Forest Preserve sites for improvement, determining when to improve the site, allocating resources to spend and selecting funding sources to use.

A CIP allows the District to identify what existing facilities are in need of repair or replacement, what new public access improvements, restoration projects and facilities might be needed in the future, and how projects may impact long-term operating and maintenance costs. Without this comprehensive approach, consideration and approval of capital improvements could result in short-range, uncoordinated decision-making. Optimal capital planning provides a process that considers all possible projects at the same time and produces a planning program that balances projects, funding sources and timing schedules.

The development and update of the CIP is an on-going activity that is part of the overall budgeting process. The first year of the CIP is called the Capital Budget. The Capital Budget is incorporated into the annual District Budget, which then appropriates the funds necessary to implement the capital improvement projects that will be undertaken in that budget year.

The Capital Budget development process starts with all Forest Preserve District Departments and the Planning and Restoration Committee preparing requests for needed projects using the Ten-Year CIP information. These project cost estimates are based upon the best planning information available at the time. Project priorities may change, depending upon additional District funding sources, grants, or outside funding opportunities.

The CIP is revised and approved each year as a ten-year planning guide and does not represent approval of any particular project. Individual projects in the CIP are given final approval when they are brought back to the Board for approval of contracts. Individual project budgets are approved by the Board on a project-by-project basis. More information on individual projects is in the Capital Projects section.

**LAKE COUNTY FOREST PRESERVES  
FISCAL YEAR 2016/17  
CAPITAL BUDGET SUMMARY BY PROJECT TYPE**

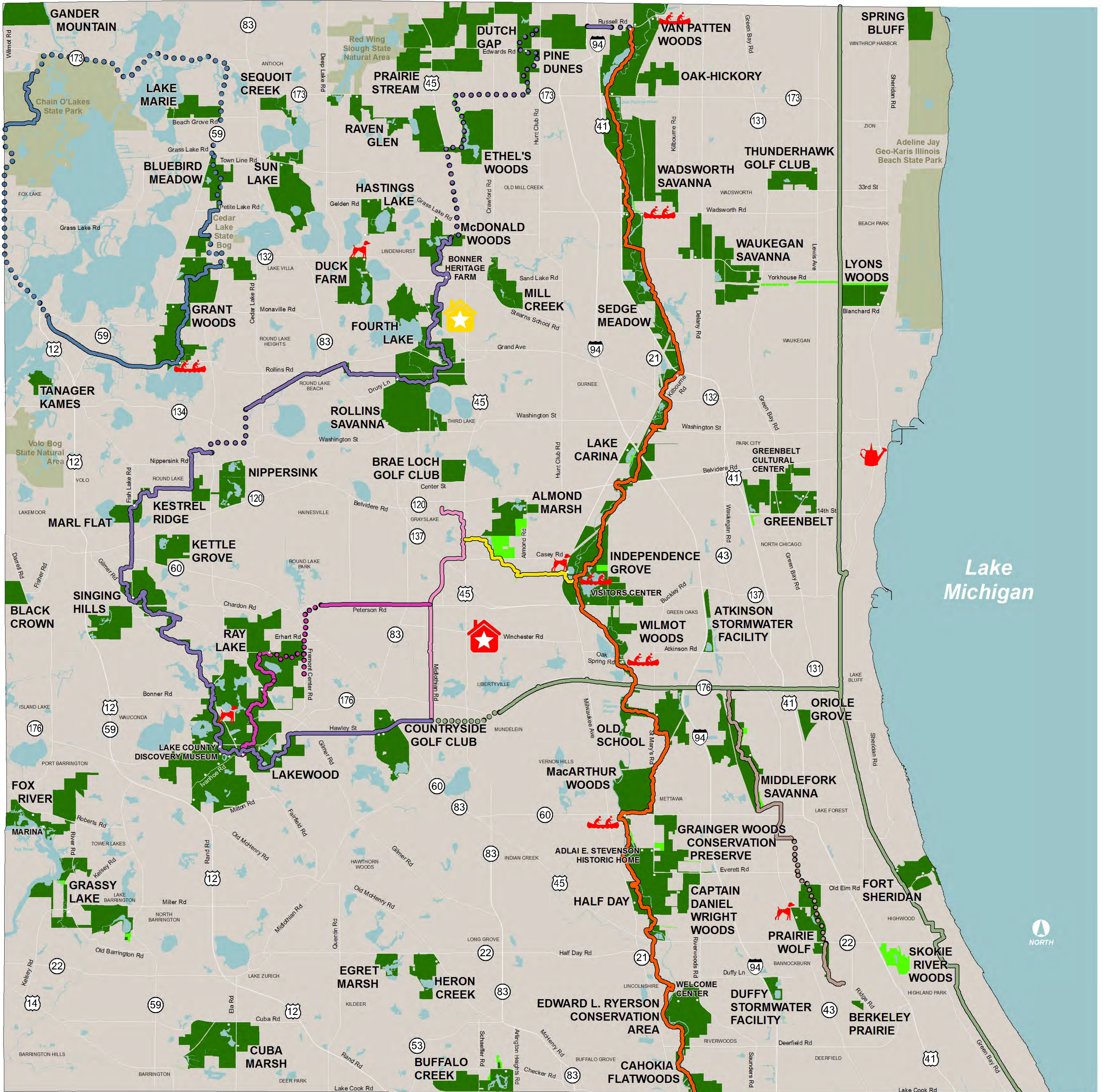
<b>Project</b>	<b>Carryover</b>	<b>New Funding</b>	<b>Capital Budget FY 2016/17</b>	<b>Designated Funds FY 2018-21</b>
<u><i>Five-Year Capital Improvement Plan</i></u>				
Improvement Projects	\$1,796,194	\$3,315,000	\$3,315,000	\$3,969,510
Trails and Trail Connections	1,844,982	520,000	520,000	535,000
Trail Crossings	1,664,175	250,000	250,000	1,000,000
Specific Habitat Restoration sites	1,880,632	1,213,650	1,213,650	3,373,150
General Habitat Restoration	0	500,000	500,000	1,600,000
Facility and Infrastructure Improvements	3,245,055	400,000	400,000	1,625,000
Paving repairs	0	500,000	500,000	2,000,000
Preserve tree planting	127,164	100,000	100,000	901,860
<i>Subtotal:</i>	<u>\$10,558,202</u>	<u>\$6,798,650</u>	<u>\$6,798,650</u>	<u>\$15,004,520</u>
<u><i>Land acquisition costs</i></u>		<u>\$5,723,200</u>	<u>\$5,723,200</u>	
<u><i>Other Capital Expenditures</i></u>				
Projects funded by grants and donations		\$329,910	329,910	
Computer hardware		169,940	169,940	
Motor vehicles		414,540	414,540	
Computer software		0	0	
Heavy equipment		237,500	237,500	
Sampling/safety equipment		100,000	100,000	
Machinery and Tools		107,000	107,000	
Other (including radio equipment, golf course improvements, boats and website fees)		18,000	18,000	
<i>Subtotal:</i>		<u>\$1,376,890</u>	<u>\$1,376,890</u>	
<b>Total Costs</b>	<b>\$10,558,202</b>	<b>\$13,898,740</b>	<b>\$13,898,740</b>	<b>\$15,004,520</b>

**Habitat Restoration Funding**

Habitat Restoration included in CIP funding	\$8,018,570
Natural Resources Grant Fund FY 2003/04 through FY 2016/17	10,048,774
Farmland Management Fund FY 2004/05 through FY 2016/17	3,464,191

**Total Habitat Restoration Funding \$21,531,535**





12 February 2016

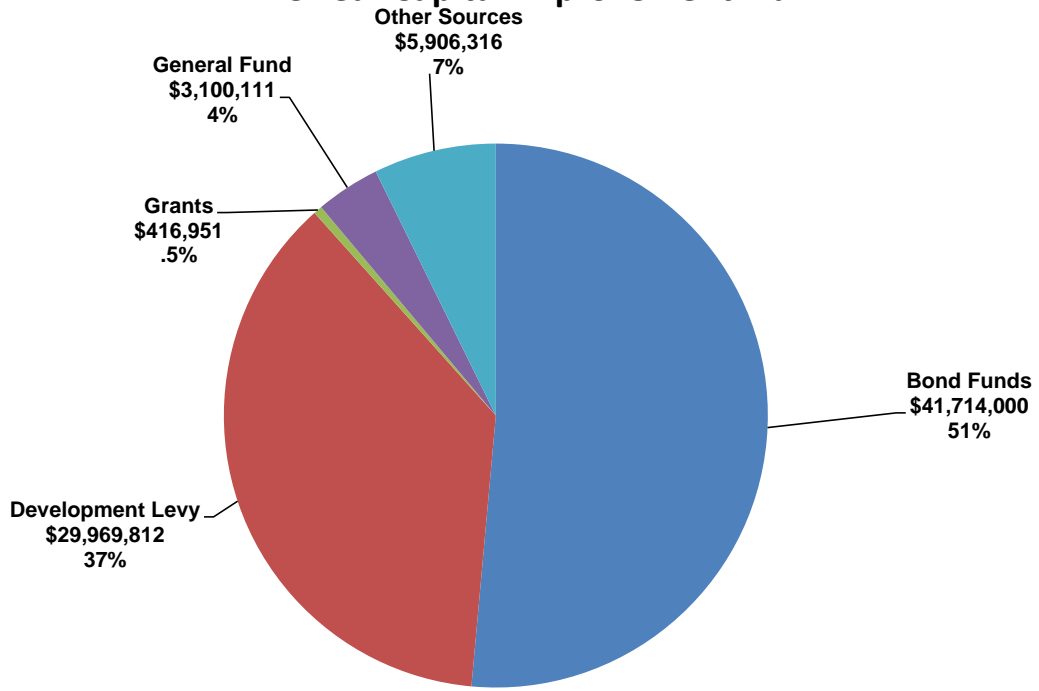
FOREST PRESERVES Entrance/Parking	CANOE LAUNCH	DES PLAINES RIVER TRAIL	FORT HILL TRAIL Planned Section	MIDDLEFORK GREENWAY Planned Section	M'CLORY TRAIL / NORTH SHORE PATH Managed by Lake County Dept. of Transportation
FOREST PRESERVE EASEMENTS	DOG AREA	MILLENNIUM TRAIL Planned Section	CHAIN O'LAKES BIKE PATH Planned Section	PRAIRIE CROSSING TRAIL LC Div. of Transportation	GRAND ILLINOIS TRAIL IDNR - Planned Section
STATE LAND Illinois Dept. of Natural Resources	COMMUNITY GARDEN	CASEY TRAIL			GENERAL OFFICES
					OPERATIONS AND PUBLIC SAFETY FACILITY



**Source of Funds**  
**Five Year Capital Improvement Plan**

Project No.		Estimated Project Total	Funding Sources					
			Bond Funds	Development Levy Fund	Grant Funds	General Fund	Other Funds	
<b>Ongoing Capital Improvements</b>								
60004	Habitat Restoration		2,416,869	8,047,820	-	400,000	-	
60010	Preserve Tree Planting (includes IDOT funding)PLP		-	1,140,076	-	35,106	907,366	
	District-wide Reforestation		-	335,446	-	100,000	64,554	
60009	Repair Existing Roads/Parking		1,422,423	5,289,141	-	-	-	
60015	Trail signage and benches		-	188,801	-	-	-	
60016	Property fencing		-	154,316	-	-	-	
60018	Preserve restrooms/replacements		-	687,740	-	-	-	
	Dog Area Accessibility Improvements		50,000	-	-	100,000	-	
60022	Infrastructure Improvements		700,000	1,050,000	-	500,000	-	
<b>Project</b>								
64710	Buffalo Creek Phase - MWRD Restoration	\$270,377	-	270,377	-	-	-	
64701	Buffalo Creek Mitigation Bank Trail	\$300,000	-	-	-	-	300,000	
	Chain o' Lakes Bike Path - Petite Lake Road connection	25,000	-	15,000	-	-	-	
64104	Cuba Marsh Habitat Restoration	650,000	650,000	-	-	-	-	
63302	DPR Trail - Ryerson North	1,660,020	1,260,019	277,000	-	-	-	
62902	DPR Trail - Wilmot Woods	50,000	-	15,400	-	-	-	
60301	Duck Farm Munn Road Access	100,000	-	100,000	-	-	-	
63910	Ethel's Woods	5,842,438	3,175,011	2,470,922	-	-	-	
63901	Ethel's Woods Public Access	4,379,000	1,250,000	-	-	250,000	-	
65101	Everett Road Trail Connection	1,650,000	1,650,000	-	-	-	-	
	Fort Sheridan - USACE GLFER Restoration	2,600,000	2,600,000	-	-	-	-	
60420	Fort Sheridan Preserve	TBD	8,873,070	359,293	75,000	-	2,118,346	
64810	Fox River addition	4,000,000	565,190	304,053	-	-	-	
61812	General Offices - Infrastructure	TBD	-	-	-	1,315,005	340,000	
64603	Gilmer Road crossing	969,960	-	1,030,961	-	-	-	
64703	Grass Lake Road tunnel	200,000	200,000	-	-	-	-	
	Grant Woods South Restrooms	50,000	-	50,000	-	-	-	
	Grant Woods Restoration	600,000	-	600,000	-	-	-	
60701	Grassy Lake Improvements (Hurd property)	3,025,000	903,213	1,871,787	200,000	125,000	-	
	Heron Creek - IL Route 22 Connection	TBD	20,000	-	-	-	-	
64301	Heron Creek Phase II - Trail Addition	650,000	-	-	-	-	-	
	Independence Grove - Playground Shade Structure	40,000	-	-	-	-	-	
63610	Lake Carina - DPR Trail Bridge Connection	1,820,000	169,000	-	-	-	-	
64610	Lake Marie Public Access	105,000	-	-	-	-	-	
	Lakewood Dog Exercise Area - Use area expansion	60,000	-	39,425	-	-	-	
61020	Lakewood Forest Preserve	TBD	4,163,919	1,030,435	-	-	-	
61006	Lakewood Habitat Restoration - Broberg Marsh	450,000	422,024	27,977	-	-	-	
	Lakewood - Tree Planting & Restoration	500,000	-	500,000	-	-	-	
61005	Lakewood Habitat Restoration - Schreiber Bog	900,000	800,000	-	-	-	-	
61101	Middlefork Savanna trail connection	950,000	976,585	20,947	-	-	-	
63010	Lyons Woods Trail Connection	1,030,000	1,089,500	-	-	-	-	
63214	Millennium Trail - Wilson Road crossing	1,860,234	1,516,413	173,821	-	-	-	
61314	Millennium Trail - Rollins Road crossing	1,480,223	1,491,853	78,877	-	-	-	
63714	Millennium Trail - Grand Ave crossing	1,367,126	1,103,578	272,040	-	-	-	
	Millennium Trail - Rte 45 Tunnel (Raven Glen/Ethel's Woods)	-	-	-	-	-	-	
65203	Millennium Trail - Rte 173	30,000	-	30,000	-	-	-	
61303	Millennium Trail - Rte 83 & Rollins Road	70,000	-	40,054	-	-	-	
61603	Millennium Trail - Van Patten Woods Connection	1,310,000	408,000	133,999	-	275,000	193,000	
63801	Nippersink Trail Connection	1,022,170	414,414	103,700	-	-	-	
	Millennium Trail - McDonalds Woods to RTE 45	-	-	185,000	-	-	-	
	Operations -Solar Panels	1,898,050	-	-	-	-	1,898,050	
64201	Pines Dunes - SMD	75,000	33,325	-	-	-	-	
	Pine Dunes - Wildlife Conservation Facility	50,000	-	50,000	-	-	-	
	Ray Lake - Cuneo Phase 1 Restoration	TBD	-	-	-	-	85,000	
62001	Ray Lake - Fort Hill Trail Extension	650,000	-	-	-	-	-	
	Rollins Savanna - Spillway Boardwalk	350,000	-	-	-	-	-	
	Rollins Savanna - Trail Connections	350,000	-	350,000	-	-	-	
	Ryerson Barn - Education Class Rooms	175,000	-	175,000	-	-	-	
64811	Spring Bluff Wildlife Observation Area	600,000	-	-	-	-	-	
	Singing Hills/Kettle Grove Restoration	500,000	-	500,000	-	-	-	
65004	Southern DPR Preserve Habitat Restoration	3,000,000	1,149,596	1,850,404	-	-	-	
	Upper DPR - USACE Phase II Ecosystem Restoration	TBD	-	-	-	-	-	
	Van Patten Woods - Equestrian & Public Parking	-	-	-	-	-	-	
64610	Waukegan Savanna - Phase I	2,150,000	1,550,000	150,000	-	-	-	
	Wright Woods/MacArthur Woods Dam Removal	800,000	690,000	-	141,951	-	-	
			<b>\$50,614,598</b>	<b>41,714,001</b>	<b>\$29,969,812</b>	<b>\$416,951</b>	<b>\$3,100,111</b>	<b>\$5,906,316</b>

# Source of Funds Five Year Capital Improvement Plan



**Total Funding \$81,107,190**

Lake County Forest Preserve District  
Approved Ten- Year Capital Improvement Plan

Project No.	Approved 3/8/2016 Source of Funds	ESTIMATED Project Total	Grant/Donation/ Inter Gov/ Endowment/Funding	Prior Year(s) Expense	Budget 2015/16	Estimated 2015/16	Five Year Funding Requirement										Total Funding				
							FY 2016/17					FY 2017/18	FY 2018/19	FY 2019/20	FY 2020/21	FY 2021/22		FY 2022/23	FY 2023/24	FY 2024/25	FY 2025/26
							Carry Forward	New Funding	Budget 2016/17												
	Development Levy Funds Development Bond Funds <b>Limited Bonds</b> Interest Income on Bond Funds General & Other Funds IDOT Easement / Tree Fees Preservation Foundation & Donations Grants						\$2,001,231	\$0	\$2,001,231	\$100,335	\$2,207,900	\$1,662,900	\$972,757	\$620,000							
							19,824,700	0	19,824,700	0	0	0	0	0	0	0	0	0	0		
							4,201,509	50,000	4,201,509	0	0	0	0	779,930	1,400,000	1,400,000	1,400,000	1,400,000			
							200,000	384,915	384,915	155,085	0	0	0	0	0	0	0	0	0		
	<b>Ongoing Capital Improvements</b>																				
60004	Habitat Restoration			\$8,001,829	762,860	762,860	-	500,000	500,000	400,000	400,000	400,000	400,000	400,000	400,000	400,000	400,000	400,000	\$10,864,689		
60010	Preserve Tree Planting (includes IDOT funding)PLP		910,000	1,385,251	524,192	445,634	51,664	-	51,664	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	\$2,082,549		
	<b>District-wide Reforestation</b>							100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	\$500,000		
60009	Repair Existing Roads/Parking			2,983,260	1,896,292	1,228,303	-	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	\$6,711,564		
60015	Trail Signage and Benches		10,000	173,802	15,000	15,000	-	-	-	-	-	-	-	-	-	-	-	-	\$188,802		
60016	Property Fencing			104,315	50,000	50,000	-	-	-	-	-	-	-	-	-	-	-	-	\$154,315		
60018	Preserve Restrooms/Replacements			542,546	145,194	145,194	-	-	-	-	-	-	-	-	-	-	-	-	\$687,740		
60025	Dog Area Accessibility Improvements			0	100,000	-	100,000	50,000	150,000	-	-	-	-	-	-	-	-	-	\$150,000		
60022	Facility and Infrastructure Improvements			0	500,000	500,000	-	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	\$2,250,000		
	<b>Project</b>																				
64710	Buffalo Creek Phase - MWRD Restoration	\$270,377	3,500,000	147,895	22,482	-	-	-	-	122,482	-	-	-	-	-	-	-	-	\$270,377		
64701	Buffalo Creek Mitigation Bank Trail	\$300,000	*	0	300,000	-	300,000	-	300,000	-	-	-	-	-	-	-	-	-	\$300,000		
65901	Chain o' Lakes Bike Path - Petite Lake Road connection	25,000		0	25,000	15,000	-	-	-	-	-	-	-	-	-	-	-	-	\$15,000		
64104	Cuba Marsh Habitat Restoration	650,000		180,335	319,665	243,196	76,469	150,000	226,469	-	-	-	-	-	-	-	-	-	\$650,000		
63302	DPR Trail - Ryerson North	1,660,020		717,948	942,072	819,072	-	-	-	-	-	-	-	-	-	-	-	-	\$1,537,020		
62902	DPR Trail - Wilmot Woods	50,000		15,400	34,600	-	-	-	-	-	-	-	-	-	-	-	-	-	\$15,400		
60301	Duck Farm Munn Road Access	100,000		0	100,000	-	100,000	-	100,000	-	-	-	-	-	-	-	-	-	\$100,000		
63910	Ethel's Woods - N. Mill Creek Restoration	5,842,438	500,000	2,181,355	1,149,388	636,578	47,400	-	47,400	2,513,400	172,400	47,400	47,400	-	-	-	-	-	\$5,645,933		
63901	Ethel's Woods - Public Access & Rte 45 Tunnel	4,379,000	*	0	250,000	171,034	78,966	250,000	328,966	1,000,000	-	-	-	-	-	-	-	-	\$1,500,000		
65101	Everett Road Trail Connection	1,650,000		82,501	1,567,499	67,499	1,500,000	-	1,500,000	-	-	-	-	-	-	-	-	-	\$1,650,000		
60406	Fort Sheridan - USACE GLFER Restoration	2,600,000	*	0	2,600,000	1,672,954	927,046	-	927,046	-	-	-	-	-	-	-	-	-	\$2,600,000		
60420	Fort Sheridan Preserve	TBD		8,473,481	262,228	9,082	253,146	2,690,000	2,943,146	-	-	-	-	-	-	-	-	-	\$11,425,709		
64810	Fox River Addition	4,000,000		782,432	86,811	86,811	-	-	-	-	-	-	-	-	-	-	-	-	\$869,243		
61811	General Offices - Build Out/Misc. Infrastructure	TBD		8,000	1,647,005	500,000	1,147,005	-	1,147,005	-	-	-	-	-	-	-	-	-	\$1,655,005		
64603	Gilmer Road Crossing	969,960	1,485,838	888,459	142,502	142,502	-	-	-	-	-	-	-	-	-	-	-	-	\$1,030,961		
60604	Grant Woods Restoration	600,000	600,000	0	300,000	275,865	24,135	223,700	247,835	76,300	-	-	-	-	-	-	-	-	600,000		
60618	Grant Woods South Restrooms	50,000		0	50,000	50,000	-	-	-	-	-	-	-	-	-	-	-	-	50,000		
64703	Grass Lake Road Tunnel	200,000		114,791	85,209	-	85,209	-	85,209	-	-	-	-	-	-	-	-	-	\$200,000		
60701	Grassy Lake Improvements (Hurd property)	3,025,000	*	179,000	2,045,931	979,068	607,395	371,673	75,000	446,673	-	-	-	-	-	-	-	-	\$3,099,999		
64301	Heron Creek - IL Route 22 Connection	TBD		0	-	-	-	20,000	20,000	-	-	-	-	-	-	-	-	-	\$20,000		
64301	Heron Creek Phase II - Trail Addition	650,000		0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$0		
	Independence Grove - Playground Shade Structure	40,000		0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$0		
63610	Lake Carina - DPR Trail Bridge Connection	1,820,000	*	0	49,324	1,770,676	119,676	-	-	-	-	-	-	-	-	-	-	-	\$169,000		
64910	Lake Marie Public Access	105,000		0	20,575	-	-	-	-	-	-	-	-	-	-	-	-	-	\$0		
69101	Lakewood Dog Exercise Area - Use Area Expansion	60,000		39,425	20,575	-	-	-	-	-	-	-	-	-	-	-	-	-	\$39,425		
61020	Lakewood Forest Preserve	TBD		925,252	449,594	49,594	250,000	-	250,000	3,969,506	-	-	-	-	-	-	-	-	\$5,194,352		
61010	Lakewood - Tree Planting & Restoration	500,000	500,000	0	250,000	122,643	75,500	-	75,500	75,500	75,500	75,500	75,357	-	-	-	-	-	500,000		
61006	Lakewood Habitat Restoration - Broberg Marsh	450,000		188,477	173,523	140,989	32,534	88,000	120,534	-	-	-	-	-	-	-	-	-	\$450,000		
61005	Lakewood Habitat Restoration - Schreiber Bog	900,000		146,053	453,947	347,733	106,214	143,786	250,000	56,214	-	-	-	-	-	-	-	-	\$800,000		
63010	Lyons Woods Trail Connection	1,030,000	*	2,015,000	89,222	200,278	500,278	500,000	500,000	-	-	-	-	-	-	-	-	-	\$1,089,500		
61101	Middlefork Savanna Trail Connection	950,000	*	2,058,196	172,308	825,224	230,000	595,224	595,224	-	-	-	-	-	-	-	-	-	\$997,532		
63214	Millennium Trail - Wilson Road Crossing	1,860,234	2,267,674	971,878	888,356	718,356	-	-	-	-	-	-	-	-	-	-	-	-	\$1,690,234		
61314	Millennium Trail - Rollins Road Crossing	1,480,223	2,113,526	1,320,334	5,396	250,396	-	-	-	-	-	-	-	-	-	-	-	-	\$1,570,730		
63714	Millennium Trail - Grand Ave Crossing	1,367,126	2,258,727	1,152,256	50,362	223,362	-	-	-	-	-	-	-	-	-	-	-	-	\$1,375,618		
61703	Millennium Trail - Rte 45 Tunnel (Ethel's Woods)	0		0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$0		
65203	Millennium Trail - Rte 173	30,000		0	30,000	-	30,000	-	30,000	-	-	-	-	-	-	-	-	-	\$30,000		
61303	Millennium Trail - Rte 83 & Rollins Road	70,000		35,054	5,000	-	5,000	-	5,000	-	-	-	-	-	-	-	-	-	\$40,054		
61603	Millennium Trail - Van Patten Woods Connection	1,310,000		35,241	974,758	60,000	914,758	-	914,758	-	-	-	-	-	-	-	-	-	\$1,009,999		
	Millennium Trail - McDonalds Woods to RTE 45	TBD		518,114	-	-	-	-	-	-	185,000	-	-	-	-	-	-	-	185,000		
63801	Nippersink Trail Connection	1,022,170		0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$518,114		
61911	Operation Facility-Solar Panels	1,898,050	*	2,316	1,898,050	-	1,898,050	-	1,898,050	-	-	-	-	-	-	-	-	-	\$1,898,050		
64201	Pines Dunes - SMD	75,000	9,200,000	0	72,684	31,009	-	-	-	-	-	-	-	-	-	-	-	-	\$33,325		
	<b>Pine Dunes - Wildlife Conservation Facility</b>	50,000		0	-	-	-	-	-	50,000	-	-	-	-	-	-	-	-	\$50,000		
56055	Ray Lake - Cuneo Phase 1 Restoration	TBD		0	-	-	-	85,000	85,000	-	-	-	-	-	-	-	-	-	\$85,000		
62001	Ray Lake - Fort Hill Trail Extension	650,000		0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$0		
	Rollins Savanna - Boardwalk	350,000		0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$0		
	Rollins Savanna - Trail Connection	350,000		0	-	-	-	-	-	-	350,000	-	-	-	-	-	-	-	\$350,000		
	<b>Ryerson Barn - Education Classroom</b>	175,000		0	-	-	-	-	-	-	175,000	-	-	-	-	-	-	-	\$175,000		
61504	Singing Hills/Kettle Grove Restoration	500,000	**	0	260,000	201,215	58,785	161,215	220,000	78,785	-	-	-	-	-	-	-	-	\$500,000		
64811	Spring Bluff Wildlife Observation Area	600,000		0	75,000	-	-	-	-	-	-	-	-	-	-	-	-	-	\$0		
65004	Southern DPR Preserve Habitat Restoration	3,000,000		1,538,162	712,001	923,068	-	280,000	280,000	258,770	-	-	-	-	-	-	-	-	\$3,000,000		
	Upper DPR - USACE Phase II Ecosystem Restoration	TBD	*	0	-	-	-														

# Capital Improvement Plan

FY '17 *thru* FY '21

## Lake County Forest Preserves

<b>Project #</b>	<b>60004</b>
<b>Project Name</b>	<b>Habitat Restoration</b>



**Department** Natural Resource

**Type** Habitat Restoration

**Category** Natural Resource Restoration

**Contact** Jim Anderson

**Start Date** On-going

**End Date** On-going

### Description

The following habitat restoration projects are scheduled for FY 15/16: Middlefork Savanna, Greenbelt, Spring Bluff, Van Patten, Wauconda Bog and Wadsworth Savanna Forest Preserves. Wildlife population and habitat assessment for planning of restoration efforts. Supply of native plants and seed for various restoration projects.

### Status

Wadsworth Savanna, Spring Bluff, Van Patten, Wauconda Bog, Middlefork Savanna, and Greenbelt are projects currently being planned for winter of 2016/17 implementation. Ecological assessments will begin in July, 2016 and carry over into 2019.

<b>Prior</b>	<b>Expenditures</b>	<b>FY '17</b>	<b>FY '18</b>	<b>FY '19</b>	<b>FY '20</b>	<b>FY '21</b>	<b>Total</b>
8,764,689	Habitat Restoration	500,000	400,000	400,000	400,000	400,000	2,100,000
<b>Total</b>	<b>Total</b>	<b>500,000</b>	<b>400,000</b>	<b>400,000</b>	<b>400,000</b>	<b>400,000</b>	<b>2,100,000</b>

<b>Prior</b>	<b>Funding Sources</b>	<b>FY '17</b>	<b>FY '18</b>	<b>FY '19</b>	<b>FY '20</b>	<b>FY '21</b>	<b>Total</b>
8,764,689	Development Levy	500,000	400,000	400,000	400,000		1,700,000
	General Fund					400,000	400,000
<b>Total</b>	<b>Total</b>	<b>500,000</b>	<b>400,000</b>	<b>400,000</b>	<b>400,000</b>	<b>400,000</b>	<b>2,100,000</b>

### Operational Impact/Other

The Ecological Land Management program was implemented in FY 08/09 to address the growing need to provide better follow-up management to District land management projects, to provide better natural resource assessment and inventories of District lands, to better coordinate and centralize management of all of the District's natural resource programs and to enhance the burn management program to increase the number of acres burned per year.

<b>Prior</b>	<b>Budget Items</b>	<b>FY '17</b>	<b>FY '18</b>	<b>FY '19</b>	<b>FY '20</b>	<b>FY '21</b>	<b>Total</b>
4,556,000	Natural Resource Division	600,000	600,000	600,000	600,000	600,000	3,000,000
<b>Total</b>	<b>Total</b>	<b>600,000</b>	<b>600,000</b>	<b>600,000</b>	<b>600,000</b>	<b>600,000</b>	<b>3,000,000</b>



# Capital Improvement Plan

FY '17 *thru* FY '21

## Lake County Forest Preserves

<b>Project #</b>	<b>60010</b>
<b>Project Name</b>	<b>Preserve Tree Planting</b>



**Department** Planning & Land Preservation

**Type** Preserve Tree Planting

**Category** Natural Resource Restoration

**Contact** Randy Seebach

**Start Date** On-going

**End Date** On-going

### Description

Plant additional trees annually, at various preserves to provide habitat restoration and to provide shade in public use areas around picnic shelter, parking areas, roads, preserve entrances and along trails.

### Status

In Spring 2016, approximately 150 trees and 500 shrubs will be planted along recently completed public access improvement projects, including Greenbelt, Pine Dunes, Independence Grove, Sedge Meadow and the Millennium Trail underpass at Wilson Road.

<b>Prior</b>	<b>Expenditures</b>	<b>FY '17</b>	<b>FY '18</b>	<b>FY '19</b>	<b>FY '20</b>	<b>FY '21</b>	<b>Total</b>
1,830,883	Habitat Restoration	51,664	50,000	50,000	50,000	50,000	251,664
<b>Total</b>	<b>Total</b>	<b>51,664</b>	<b>50,000</b>	<b>50,000</b>	<b>50,000</b>	<b>50,000</b>	<b>251,664</b>

<b>Prior</b>	<b>Funding Sources</b>	<b>FY '17</b>	<b>FY '18</b>	<b>FY '19</b>	<b>FY '20</b>	<b>FY '21</b>	<b>Total</b>
1,830,883	Development Levy	26,694	25,000	25,000	15,000		91,694
<b>Total</b>	General Fund				10,000	25,000	35,000
	Other Funds	24,970	25,000	25,000	25,000	25,000	124,970
	<b>Total</b>	<b>51,664</b>	<b>50,000</b>	<b>50,000</b>	<b>50,000</b>	<b>50,000</b>	<b>251,664</b>

### Operational Impact/Other

Maintenance includes cost to inspect, inventory, water, fertilize and prune: varies during the years depending on planting.

<b>Prior</b>	<b>Budget Items</b>	<b>FY '17</b>	<b>FY '18</b>	<b>FY '19</b>	<b>FY '20</b>	<b>FY '21</b>	<b>Total</b>
136,000	Operations & Infrastructure	6,000	6,000	6,000	6,000	6,000	30,000
<b>Total</b>	<b>Total</b>	<b>6,000</b>	<b>6,000</b>	<b>6,000</b>	<b>6,000</b>	<b>6,000</b>	<b>30,000</b>



# Capital Improvement Plan

FY '17 *thru* FY '21

## Lake County Forest Preserves

<b>Project #</b>	<b>66626</b>
<b>Project Name</b>	<b>District Wide Reforestation</b>



<b>Type</b>	Preserve Tree Planting	<b>Department</b>	Natural Resource
<b>Category</b>	Natural Resource Restoration	<b>Contact</b>	Randy Seebach
<b>Start Date</b>	FY 2016/17	<b>End Date</b>	On-going

### Description

This project consists of planting of native trees and shrubs in areas that were historically forest, woodland and savanna.

### Status

In 2016, 956 trees and 2019 shrubs will be planted by in-house crews across 5 sites: Prairie Wolf Slough, Middlefork Savanna, Independence Grove, Cuba Marsh, and Greenbelt. Over the next five years approximately 15,000 trees and shrubs will be planted across multiple sites, including Marl Flats, Van Patten Woods, Raven Glen, Grant Woods, and Ray Lake.

<b>Expenditures</b>	<b>FY '17</b>	<b>FY '18</b>	<b>FY '19</b>	<b>FY '20</b>	<b>FY '21</b>	<b>Total</b>
Habitat Restoration	100,001	100,000	100,000	100,000	100,000	500,001
<b>Total</b>	<b>100,001</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>500,001</b>

<b>Funding Sources</b>	<b>FY '17</b>	<b>FY '18</b>	<b>FY '19</b>	<b>FY '20</b>	<b>FY '21</b>	<b>Total</b>
Development Levy	35,446	100,000	100,000	100,000		335,446
General Fund					100,000	100,000
Other Funds	64,555					64,555
<b>Total</b>	<b>100,001</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>500,001</b>

### Operational Impact/Other

Maintenance includes cost to inspect, inventory, water, fertilize and prune.

<b>Budget Items</b>	<b>FY '17</b>	<b>FY '18</b>	<b>FY '19</b>	<b>FY '20</b>	<b>FY '21</b>	<b>Total</b>
Operations & Infrastructure	6,000	6,000	6,000	6,000	6,000	30,000
<b>Total</b>	<b>6,000</b>	<b>6,000</b>	<b>6,000</b>	<b>6,000</b>	<b>6,000</b>	<b>30,000</b>



# Capital Improvement Plan

FY '17 *thru* FY '21

## Lake County Forest Preserves

<b>Project #</b>	<b>60009</b>
<b>Project Name</b>	<b>Repair Existing Roads / Parking</b>



**Type** Paving and Road Replacements  
**Department** Operations & Infrastructure  
**Category** Site and Trail Improvements  
**Contact** John Nelson  
**Start Date** On-going  
**End Date** On-going

### Description

Annual District wide repaving program for the District's roads and parking lots and minor pavement repairs at multiple preserves.

### Status

FY 2015/16 work focused on the hot-in-place recycling of the parking lot roads at Independence Grove and district-wide maintenance (crack sealing and patching). FY2016/17 will focus on the parking lots at Rollins Savanna (Washington St) and Sedge Meadow (Canoe Lot). Future work TBD.

Prior	Expenditures	FY '17	FY '18	FY '19	FY '20	FY '21	Total
4,211,563	Construction	500,000	500,000	500,000	500,000	500,000	2,500,000
<b>Total</b>	<b>Total</b>	<b>500,000</b>	<b>500,000</b>	<b>500,000</b>	<b>500,000</b>	<b>500,000</b>	<b>2,500,000</b>

Prior	Funding Sources	FY '17	FY '18	FY '19	FY '20	FY '21	Total
4,211,563	Bond Funds	500,000	500,000				1,000,000
<b>Total</b>	<b>Total</b>	<b>500,000</b>	<b>500,000</b>	<b>500,000</b>	<b>500,000</b>	<b>500,000</b>	<b>2,500,000</b>

### Operational Impact/Other

Preserve parking lots will be closed during repavement. Well-maintained pavement requires less effort for snow and ice removal, decreases wear and tear on vehicles, and is safer.



# Capital Improvement Plan

FY '17 *thru* FY '21

## Lake County Forest Preserves

**Project #** 60025  
**Project Name** Dog Area Accessibility Improvements



**Type** Accessibility Improvements  
**Category** Site and Trail Improvements  
**Start Date** FY 2016/17  
**Department** Planning & Land Preservation  
**Contact** Randy Seebach  
**End Date** FY 2017/18

### Description

In an effort to provide adequate access for people of all abilities, accessibility improvements are needed at the four dog exercise areas. Improvements include accessible surfacing at the entrances, water fountain improvements and modifications to the gated pedestrian entrances.

### Status

Work will take place at Duck Farm in FY 2017/18 and will be coordinated with IDOT's Munn Road intersection improvement project. If additional funding is made available in the future, improvements can occur at the Prairie Wolf, Independence Grove and Lakewood dog exercise areas.

<b>Expenditures</b>	<b>FY '17</b>	<b>FY '18</b>	<b>FY '19</b>	<b>FY '20</b>	<b>FY '21</b>	<b>Total</b>
Improvements	150,000					150,000
<b>Total</b>	<b>150,000</b>					<b>150,000</b>

<b>Funding Sources</b>	<b>FY '17</b>	<b>FY '18</b>	<b>FY '19</b>	<b>FY '20</b>	<b>FY '21</b>	<b>Total</b>
Bond Funds	50,000					50,000
General Fund	100,000					100,000
<b>Total</b>	<b>150,000</b>					<b>150,000</b>

### Operational Impact/Other

Additional labor for trail maintenance will be offset by savings in cost of turf repair.



# Capital Improvement Plan

FY '17 *thru* FY '21

## Lake County Forest Preserves

<b>Project #</b>	<b>60022</b>
<b>Project Name</b>	<b>Facility and Infrastructure Improvements</b>



<b>Type</b>	Improvement Projects	<b>Department</b>	Facilities
<b>Category</b>	Facility Improvements	<b>Contact</b>	Jim Ballowe
<b>Start Date</b>	FY 2014/15	<b>End Date</b>	On-going

### Description

A District-wide facility and infrastructure assessment of the District's key buildings and their support systems was completed to identify and prioritize necessary maintenance, repairs and replacements.

### Status

The assessment identified specific short and long range maintenance, repair and replacement projects needed to sustain the District's key facilities in good working condition. Buildings were prioritized by committees and staff and an improvement plan was put into place with an emphasis on forever buildings,

<b>Prior</b>	<b>Expenditures</b>	<b>FY '17</b>	<b>FY '18</b>	<b>FY '19</b>	<b>FY '20</b>	<b>FY '21</b>	<b>Total</b>
500,000	Improvements	350,000	350,000	350,000	350,000	350,000	1,750,000
<b>Total</b>	<b>Total</b>	<b>350,000</b>	<b>350,000</b>	<b>350,000</b>	<b>350,000</b>	<b>350,000</b>	<b>1,750,000</b>

<b>Prior</b>	<b>Funding Sources</b>	<b>FY '17</b>	<b>FY '18</b>	<b>FY '19</b>	<b>FY '20</b>	<b>FY '21</b>	<b>Total</b>
500,000	Bond Funds	350,000	350,000				700,000
<b>Total</b>	<b>Total</b>	<b>350,000</b>	<b>350,000</b>	<b>350,000</b>	<b>350,000</b>	<b>350,000</b>	<b>1,750,000</b>

### Operational Impact/Other

Projects will be prioritized to improve operational efficiencies and reduce overall operational impacts.



# Capital Improvement Plan

FY '17 thru FY '21

## Lake County Forest Preserves

**Project #** 64710  
**Project Name** Buffalo Creek Preserve - MWRD Restoration



**Department** Planning & Land Preservation

**Type** Improvement Projects

**Category** Site and Trail Improvements

**Start Date** FY 2016/17

**Contact** Randy Seebach

**End Date** FY 2017/18

### Description

In February 2013, the Planning and Restoration Committee approved a concept plan and authorized staff to negotiate an IGA with the Metropolitan Water Reclamation District for the expansion of the existing reservoir and completion of the District's planned public access improvements, at no cost to the District. Public access improvements will include an additional 3/4 mile trail loop, including six new bridges/boardwalks, rerouting 1/2 mile of existing trail out of the floodplain, replacement of one existing bridges, and a 29 car expansion to the existing parking lot.

### Status

Approval of the IGA is anticipated in Summer 2016. Engineering and permitting is scheduled to occur in 2015 and 2016 with construction to begin in fall 2016. After major construction is complete, the District will provide miscellaneous site amenities in FY 2017/18.

Prior	Expenditures	FY '17	FY '18	FY '19	FY '20	FY '21	Total
147,895	Improvements		122,480				122,480
<b>Total</b>	<b>Total</b>		<b>122,480</b>				<b>122,480</b>

Prior	Funding Sources	FY '17	FY '18	FY '19	FY '20	FY '21	Total
147,895	Development Levy		122,480				122,480
<b>Total</b>	<b>Total</b>		<b>122,480</b>				<b>122,480</b>

### Operational Impact/Other

Trail maintenance, public safety patrols and service of expanded parking lot and restroom: \$15,000 per year. Long term costs would include trail resurfacing and bridge/boardwalk replacement.

Budget Items	FY '17	FY '18	FY '19	FY '20	FY '21	Total
Operations & Public Safety			15,000	15,000	15,000	45,000
<b>Total</b>			<b>15,000</b>	<b>15,000</b>	<b>15,000</b>	<b>45,000</b>

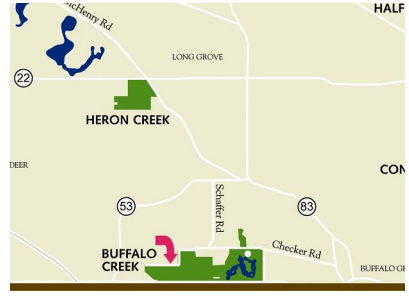


# Capital Improvement Plan

FY '17 *thru* FY '21

## Lake County Forest Preserves

**Project #** 64701  
**Project Name** Buffalo Creek Mitigation Bank and Trail



**Department** Planning & Land Preservation

**Type** Improvement Projects

**Category** Site and Trail Improvements

**Contact** Randy Seebach

**Start Date** FY 2016/17

**End Date** FY 2017/18

### Description

In April 2000, the District and the Lake County Division of Transportation (LCDOT) executed an IGA that allowed LCDOT to design and construct a wetland mitigation bank on District property for the sole use by LCDOT for their road and transportation needs. The proposed mitigation bank includes the construction of one mile of new hiking/biking trail. The District is providing the land and funding for the trail construction.

### Status

Plans are expected to be complete in summer 2016 with an anticipated construction start in late 2016.

<b>Expenditures</b>	<b>FY '17</b>	<b>FY '18</b>	<b>FY '19</b>	<b>FY '20</b>	<b>FY '21</b>	<b>Total</b>
Construction	300,000					300,000
<b>Total</b>	<b>300,000</b>					<b>300,000</b>

<b>Funding Sources</b>	<b>FY '17</b>	<b>FY '18</b>	<b>FY '19</b>	<b>FY '20</b>	<b>FY '21</b>	<b>Total</b>
Other Funds	300,000					300,000
<b>Total</b>	<b>300,000</b>					<b>300,000</b>

### Operational Impact/Other

Trail maintenance and public safety patrols for approximately one mile of trail: \$8,600 per year.

<b>Budget Items</b>	<b>FY '17</b>	<b>FY '18</b>	<b>FY '19</b>	<b>FY '20</b>	<b>FY '21</b>	<b>Total</b>
Operations & Public Safety		8,600	8,600	8,600	8,600	34,400
<b>Total</b>		<b>8,600</b>	<b>8,600</b>	<b>8,600</b>	<b>8,600</b>	<b>34,400</b>



# Capital Improvement Plan

FY '17 *thru* FY '21

## Lake County Forest Preserves

<b>Project #</b>	<b>64104</b>
<b>Project Name</b>	<b>Cuba Marsh Habitat Restoration</b>



**Department** Natural Resource

**Type** Habitat Restoration

**Category** Natural Resource Restoration

**Contact** Jim Anderson

**Start Date** FY 2014/15

**End Date** FY 2016/17

### Description

Project consists of wetland, prairie, and woodland restoration. This project will focus on restoring bird habitat especially for grassland and wetland species. Additional in-house work will replace the existing water control structure so that hemi-marsh conditions are restored to the main wetland.

### Status

Planning began in FY 2013/14 with implementation starting in FY 2014/15. During the winter 2014/15, 90 acres of prairie and wetland was cleared of woody invasive brush and native seed was sown in the fall of 2015. Restoration in FY 2015/16 includes clearing of an additional 47 acres of prairie and shrubland habitat to be followed by native seeding in the fall for 2016. Assessment of the potential for hemi-marsh restoration and the installation of a new water control structure will begin in 2016.

Prior	Expenditures	FY '17	FY '18	FY '19	FY '20	FY '21	Total
423,530	Habitat Restoration	226,469					226,469
<b>Total</b>	<b>Total</b>	<b>226,469</b>					<b>226,469</b>

Prior	Funding Sources	FY '17	FY '18	FY '19	FY '20	FY '21	Total
423,530	Bond Funds	226,469					226,469
<b>Total</b>	<b>Total</b>	<b>226,469</b>					<b>226,469</b>

### Operational Impact/Other

Maintenance of restored acres through controlled burn: \$5,100 per year.

Budget Items	FY '17	FY '18	FY '19	FY '20	FY '21	Total
Natural Resource Division		5,100	5,100	5,100	5,100	20,400
<b>Total</b>		<b>5,100</b>	<b>5,100</b>	<b>5,100</b>	<b>5,100</b>	<b>20,400</b>

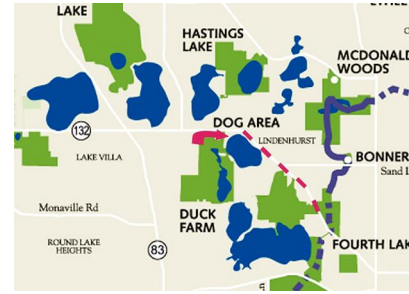


# Capital Improvement Plan

FY '17 *thru* FY '21

## Lake County Forest Preserves

**Project #** 60301  
**Project Name** Duck Farm Munn Road Access



**Department** Planning & Land Preservation

**Type** Improvement Projects

**Category** Site and Trail Improvements

**Start Date** FY 2016/17

**Contact** Randy Seebach

**End Date** TBD

### Description

IDOT is planning safety improvements to IL Route 132 that include the installation of left turn lanes. As part of the planned road improvements, a shared use path will be constructed on the north side of the road connecting the Duck Farm Forest Preserve to the Millennium Trail at Fourth Lake Forest Preserve. As part of the road improvement project, improved access to the dog exercise area parking lot will be provided by relocating the existing entrance to align with the existing traffic signal at Munn Road.

### Status

An Intergovernmental Agreement was approved in December 2015 and IDOT is expected to complete Phase II engineering in spring 2016. Construction is anticipated in 2016. The District will be funding the local share costs for engineering and construction of the relocated entrance and the shared use path along the Fourth Lake Forest Preserve frontage. Under a separate contract, the District will construct a short section of trail from the Route 132 ROW to the existing trail head within the Operations Facility grounds.

<b>Expenditures</b>	<b>FY '17</b>	<b>FY '18</b>	<b>FY '19</b>	<b>FY '20</b>	<b>FY '21</b>	<b>Total</b>
Construction	100,000					100,000
<b>Total</b>	<b>100,000</b>					<b>100,000</b>

<b>Funding Sources</b>	<b>FY '17</b>	<b>FY '18</b>	<b>FY '19</b>	<b>FY '20</b>	<b>FY '21</b>	<b>Total</b>
Development Levy	100,000					100,000
<b>Total</b>	<b>100,000</b>					<b>100,000</b>

### Operational Impact/Other

Trail maintenance and public safety patrols for approximately 1/4 mile of trail: \$2,150 per year.

<b>Budget Items</b>	<b>FY '17</b>	<b>FY '18</b>	<b>FY '19</b>	<b>FY '20</b>	<b>FY '21</b>	<b>Total</b>
Operations & Public Safety		2,150	2,150	2,150	2,150	8,600
<b>Total</b>		<b>2,150</b>	<b>2,150</b>	<b>2,150</b>	<b>2,150</b>	<b>8,600</b>



# Capital Improvement Plan

FY '17 *thru* FY '21

## Lake County Forest Preserves

**Project #** 63910  
**Project Name** Ethel's Woods North Mill Creek Restoration



**Department** Natural Resource

**Type** Habitat Restoration

**Category** Natural Resource Restoration

**Contact** Jim Anderson

**Start Date** FY 2014/15

**End Date** FY 2020/21

### Description

Project includes the restoration of a portion of the North Mill Creek corridor and the associated wetlands and uplands. Work will include the dewatering of Rasmussen Lake and restoring the original riparian wetland communities along the creek.

### Status

District's operating committees approved a revised concept plan in 2013 and authorized staff to proceed with the final engineering to dewater Rasmussen Lake and restore the North Mill Creek riparian corridor. Final engineering for permitting was completed in the summer of 2014. The lowering of the lake water began in December 2014 and the final stop-log was removed October 2015 to reach the design water elevation for Phase I. It is anticipated to take two years (fall 2016) to allow drained sediments to stabilize. A contract for design, engineering and permitting for Phase II is expected in early 2016.

Prior	Expenditures	FY '17	FY '18	FY '19	FY '20	FY '21	Total
2,817,933	Habitat Restoration	47,400	2,513,400	172,400	47,400	47,400	2,828,000
<b>Total</b>	<b>Total</b>	<b>47,400</b>	<b>2,513,400</b>	<b>172,400</b>	<b>47,400</b>	<b>47,400</b>	<b>2,828,000</b>

Prior	Funding Sources	FY '17	FY '18	FY '19	FY '20	FY '21	Total
2,817,933	Bond Funds		2,513,400				2,513,400
<b>Total</b>	<b>Total</b>	<b>47,400</b>	<b>2,513,400</b>	<b>172,400</b>	<b>47,400</b>	<b>47,400</b>	<b>2,828,000</b>

### Operational Impact/Other

Maintenance of restored acres through controlled burning and invasive species control.

Budget Items	FY '17	FY '18	FY '19	FY '20	FY '21	Total
Natural Resource Division		15,000	15,000	15,000	15,000	60,000
<b>Total</b>		<b>15,000</b>	<b>15,000</b>	<b>15,000</b>	<b>15,000</b>	<b>60,000</b>



# Capital Improvement Plan

FY '17 *thru* FY '21

## Lake County Forest Preserves

**Project #** 63901  
**Project Name** Ethel's Woods Public Access



**Department** Planning & Land Preservation

**Type** Improvement Projects

**Category** Site and Trail Improvements

**Start Date** FY 2015/16

**Contact** Randy Seebach

**End Date** FY 2017/18

### Description

Project will provide initial public access with parking lot, restroom, one mile of trail and two scenic overlooks east of Route 45 at Miller Road. These public access improvements are required by a previously received land acquisition OLT Grant. In 2013 the District requested and received an extension from IDNR to allow for these improvements to be coordinated with an adjacent North Mill Creek restoration project. IDNR has approved an extension for the completion of all work by the end of 2019. The project also includes the construction of a Route 45 underpass for the Millennium Trail and a 0.25 mile trail extension that will safely connect Raven Glenn and Ethel's Woods Forest Preserves.

### Status

It is recommended that this project be combined with the Millennium Trail - Route 45 Tunnel project in hopes of receiving Federal funding assistance through the CMAQ/TAP Program. Phase I engineering began in summer 2015 with CMAQ applications due in March 2017. If the District is awarded funding, construction is anticipated in 2018.

Prior	Expenditures	FY '17	FY '18	FY '19	FY '20	FY '21	Total
171,030	Construction	328,966	1,000,000				1,328,966
<b>Total</b>	<b>Total</b>	<b>328,966</b>	<b>1,000,000</b>				<b>1,328,966</b>

Prior	Funding Sources	FY '17	FY '18	FY '19	FY '20	FY '21	Total
171,030	Bond Funds	249,996	1,000,000				1,249,996
	General Fund	78,970					78,970
<b>Total</b>	<b>Total</b>	<b>328,966</b>	<b>1,000,000</b>				<b>1,328,966</b>

### Operational Impact/Other

Trail maintenance and public safety patrols of trail, and service of parking lot and restroom: \$40,000 per year.

Budget Items	FY '17	FY '18	FY '19	FY '20	FY '21	Total
Operations & Public Safety			40,000	40,000	40,000	120,000
<b>Total</b>			<b>40,000</b>	<b>40,000</b>	<b>40,000</b>	<b>120,000</b>



# Capital Improvement Plan

FY '17 *thru* FY '21

## Lake County Forest Preserves

**Project #** 65101  
**Project Name** Everett Road Trail Connection



**Department** Planning & Land Preservation

**Type** Improvement Projects

**Category** Site and Trail Improvements

**Contact** Randy Seebach

**Start Date** FY 2014/15

**End Date** FY 2016/17

### Description

Project consists of a 1/2 mile trail section partially in Lake County Division of Transportation ROW along Everett Road between Riverwoods Road and St. Mary's Road. Project will connect local trails at Riverwoods Road to Wright Woods Forest Preserve and Des Plaines River Trail.

### Status

Feasibility study has been completed and LCDOT has approved project in their ROW. Engineering began in late 2014 and the District applied for funding assistance through the Illinois Bike Path program administered through IDNR. In August 2015, the District received notice that the Bike Path program will not be moving forward due to the State's fiscal constraints. Engineering and permitting will be complete in spring 2016 with construction to follow in summer/fall 2016.

Prior	Expenditures	FY '17	FY '18	FY '19	FY '20	FY '21	Total
150,000	Improvements	1,500,000					1,500,000
<b>Total</b>	<b>Total</b>	<b>1,500,000</b>					<b>1,500,000</b>

Prior	Funding Sources	FY '17	FY '18	FY '19	FY '20	FY '21	Total
150,000	Bond Funds	1,500,000					1,500,000
<b>Total</b>	<b>Total</b>	<b>1,500,000</b>					<b>1,500,000</b>

### Operational Impact/Other

Trail maintenance and public safety patrols for approximately 1/2 mile of trail: \$4,300 per year.

Budget Items	FY '17	FY '18	FY '19	FY '20	FY '21	Total
Operations & Public Safety		4,300	4,300	4,300	4,300	17,200
<b>Total</b>		<b>4,300</b>	<b>4,300</b>	<b>4,300</b>	<b>4,300</b>	<b>17,200</b>

# Capital Improvement Plan

FY '17 *thru* FY '21

## Lake County Forest Preserves

**Project #** 60406  
**Project Name** Fort Sheridan - USACE GLFER Restoration



**Department** Natural Resource

**Type** Habitat Restoration

**Category** Natural Resource Restoration

**Contact** Jim Anderson

**Start Date** FY 2013/14

**End Date** FY 2016/17

### Description

The Great Lakes Fishery and Ecosystem Restoration (GLFER) is a US Army Corps of Engineers (USACE) Program to restore ecosystems and fish habitats across the Great Lakes Watershed. The USACE has identified Fort Sheridan Forest Preserve as a potential project for restoration and enhancement of its coastal habitat including the ravines, bluffs and shoreline. This is a unique opportunity for the District to lead partners in a project to restore nearly two miles of critical lakefront habitat for fish and birds.

### Status

The project has been awarded to John Keno and Sons and construction started in March 2016 with completion of the ravine and lakeshore activities completed by October 2016. This construction project requires the closure of lakeshore access during construction. After completion of this phase there will be a five year management and maintenance phase with completion targeted for October 2021. In late 2017 efforts will begin on Phase II with the construction of in-water reefs and groin reinforcement. It is anticipated that this work would be completed by 2020.

Prior	Expenditures	FY '17	FY '18	FY '19	FY '20	FY '21	Total
1,672,954	Habitat Restoration	927,046					927,046
<b>Total</b>	<b>Total</b>	<b>927,046</b>					<b>927,046</b>

Prior	Funding Sources	FY '17	FY '18	FY '19	FY '20	FY '21	Total
1,672,954	Bond Funds	927,045					927,045
<b>Total</b>	<b>Total</b>	<b>927,045</b>					<b>927,045</b>

### Operational Impact/Other

No operational impact at this time.



# Capital Improvement Plan

FY '17 *thru* FY '21

## Lake County Forest Preserves

<b>Project #</b>	<b>60420</b>
<b>Project Name</b>	<b>Fort Sheridan Forest Preserve</b>



**Department** Planning & Land Preservation

**Type** Improvement Projects

**Category** Site and Trail Improvements

**Start Date** 2005

**Contact** Randy Seebach

**End Date** TBD

### Description

Project consists of implementing a revised master plan as approved by the Board, including restoring ecologically sensitive ravines, bluffs, woodlands and lakeshore, improving storm water drainage/erosion problems, providing public roads, parking and trails, providing temporary public facilities and improving appearance of cemetery.

### Status

Trails, temporary parking, exhibits and Hutchinson Ravine restoration were completed in 2005/2006. A major portion of Janes Ravine and the central plateau restoration was completed in summer 2009. South Bluff restoration completed 2011. Board decided in May '09 to form an advisory committee of local partners to develop a public access and use plan. After extensive public input and a report by the Advisory Committee, District Board decided in March 2012 not to proceed with a golf course, and received concurrence from the Army that the deed restriction did not require a golf course to remain on the property. Staff began working on a Master Plan in April 2012 and after extensive public input, a final plan was approved by the Board in November 2015. Engineering for the first phase of the Master Plan improvements is scheduled to begin in summer 2016 with construction to occur in 2017.

<b>Prior</b>	<b>Expenditures</b>	<b>FY '17</b>	<b>FY '18</b>	<b>FY '19</b>	<b>FY '20</b>	<b>FY '21</b>	<b>Total</b>
8,482,563	Improvements	2,943,146					2,943,146
<b>Total</b>	<b>Total</b>	<b>2,943,146</b>					<b>2,943,146</b>

<b>Prior</b>	<b>Funding Sources</b>	<b>FY '17</b>	<b>FY '18</b>	<b>FY '19</b>	<b>FY '20</b>	<b>FY '21</b>	<b>Total</b>
8,482,563	Bond Funds	2,943,146					2,943,146
<b>Total</b>	<b>Total</b>	<b>2,943,146</b>					<b>2,943,146</b>

### Operational Impact/Other

Trail maintenance and public safety patrols of trail, and service of parking lot and restroom: \$40,000 per year.

<b>Budget Items</b>	<b>FY '17</b>	<b>FY '18</b>	<b>FY '19</b>	<b>FY '20</b>	<b>FY '21</b>	<b>Total</b>
Operations & Public Safety		40,000	40,000	40,000	40,000	160,000
<b>Total</b>		<b>40,000</b>	<b>40,000</b>	<b>40,000</b>	<b>40,000</b>	<b>160,000</b>

# Capital Improvement Plan

FY '17 *thru* FY '21

## Lake County Forest Preserves

<b>Project #</b>	<b>61811</b>
<b>Project Name</b>	<b>General Offices - Infrastructure Improvements</b>



<b>Type</b>	Building renovations	<b>Department</b>	Facilities
<b>Category</b>	Capital Expenditures	<b>Contact</b>	Jim Ballowe
<b>Start Date</b>	2012	<b>End Date</b>	Based on future funding

### Description

Construction of the museum collections facility, museum exhibit space and front entryway is scheduled as part of the program to relocate all museum operations from Lakewood.

### Status

Construction of the new collections facility, museum exhibit space and front entryway are scheduled for FY 2016/17.

<b>Prior</b>	<b>Expenditures</b>	<b>FY '17</b>	<b>FY '18</b>	<b>FY '19</b>	<b>FY '20</b>	<b>FY '21</b>	<b>Total</b>
508,000	Improvements	1,147,000					1,147,000
<b>Total</b>	<b>Total</b>	<b>1,147,000</b>					<b>1,147,000</b>

<b>Prior</b>	<b>Funding Sources</b>	<b>FY '17</b>	<b>FY '18</b>	<b>FY '19</b>	<b>FY '20</b>	<b>FY '21</b>	<b>Total</b>
508,000	General Fund	807,000					807,000
	Other Funds	340,000					340,000
<b>Total</b>	<b>Total</b>	<b>1,147,000</b>					<b>1,147,000</b>

### Operational Impact/Other

Relocation of collections will better preserve the items and relocation of the museum will allow on-going maintenance issues at Lakewood to cease. In-house staff will be used as much as possible to control costs.

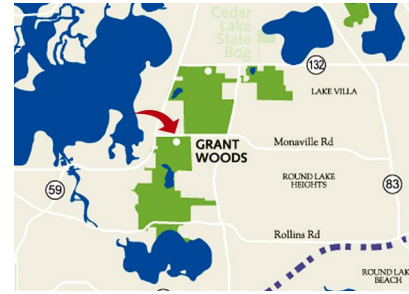


# Capital Improvement Plan

FY '17 *thru* FY '21

## Lake County Forest Preserves

<b>Project #</b>	<b>60604</b>
<b>Project Name</b>	<b>Grant Woods Restoration</b>



**Department** Natural Resource

**Type** Habitat Restoration

**Category** Natural Resource Restoration

**Contact** Jim Anderson

**Start Date** FY 2015/16

**End Date** FY 2017/18

### Description

In 2014, the Preservation Foundation received a private donation to fund restoration work at Grant Woods Forest Preserve. The work will occur across 665 acres and will focus on wetland, stream and oak woodland restoration within the Gavin bog and Fin nature preserve area.

### Status

Restoration planning began for Grant Woods FY 2014/15. Habitat improvements will enhance woodlands and shrub lands in the northern portion of the preserve, north of Monaville Road. Clearing of woody invasive brush across 70 acres began in the winter of FY 2015/16. Additional clearing and native seeding will be completed in FY 2016/17 with project completion in FY 2017/18.

Prior	Expenditures	FY '17	FY '18	FY '19	FY '20	FY '21	Total
275,865	Habitat Restoration	247,835	76,300				324,135
<b>Total</b>	<b>Total</b>	<b>247,835</b>	<b>76,300</b>				<b>324,135</b>

Prior	Funding Sources	FY '17	FY '18	FY '19	FY '20	FY '21	Total
275,865	Development Levy	247,835	76,300				324,135
<b>Total</b>	<b>Total</b>	<b>247,835</b>	<b>76,300</b>				<b>324,135</b>

### Operational Impact/Other

Maintenance of restored acres through controlled burns: \$5,000 per year.

Budget Items	FY '17	FY '18	FY '19	FY '20	FY '21	Total
Natural Resource Division			5,000	5,000	5,000	15,000
<b>Total</b>			<b>5,000</b>	<b>5,000</b>	<b>5,000</b>	<b>15,000</b>

# Capital Improvement Plan

FY '17 *thru* FY '21

## Lake County Forest Preserves

**Project #** 64703  
**Project Name** Grass Lake Road Tunnel



**Department** Planning & Land Preservation

**Type** Improvement Projects

**Contact** Randy Seebach

**Category** Capital Expenditures

**End Date** FY 2016/17

**Start Date** FY 2013/14

### Description

In April 2013, the Board approved an IGA formalizing a partnership with the Lindenhurst Park District, Village of Lindenhurst and Lake Villa Township to construct a tunnel under Grass Lake Road connecting McDonald Woods to several parks and the Milburn West Middle School. District has agreed to allow a portion of the tunnel to be constructed on District property and to supply up to \$200,000 towards the project if grant funding does not cover all of the construction costs.

### Status

In Spring 2013, the project was awarded a Congestion, Mitigation, Air Quality (CMAQ) grant administered through the Illinois Department of Transportation. Construction began in August 2013 and the project was completed and opened to the public in October 2015.

Prior	Expenditures	FY '17	FY '18	FY '19	FY '20	FY '21	Total
114,791	Improvements	85,209					85,209
<b>Total</b>	<b>Total</b>	<b>85,209</b>					<b>85,209</b>

Prior	Funding Sources	FY '17	FY '18	FY '19	FY '20	FY '21	Total
114,791	Bond Funds	85,209					85,209
<b>Total</b>	<b>Total</b>	<b>85,209</b>					<b>85,209</b>

### Operational Impact/Other

No additional operational impact.

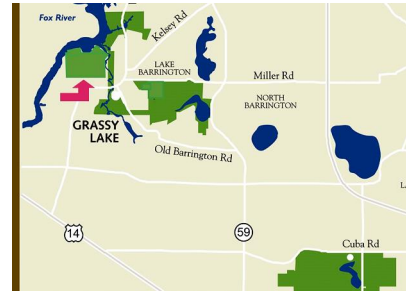


# Capital Improvement Plan

FY '17 *thru* FY '21

## Lake County Forest Preserves

**Project #** 60701  
**Project Name** Grassy Lake Restoration (Hurd property)



**Department** Planning & Land Preservation

**Type** Improvement Projects

**Category** Site and Trail Improvements

**Start Date** FY 2012/13

**Contact** Randy Seebach

**End Date** Fall, 2017

### Description

Project consists of connecting existing trails at Grassy Lake (south of Kelsey Road) with the Hurd Property (north of Kelsey Road) and constructing a parking lot, restroom, additional trails, a river overlook, and educational exhibits on the former Hurd property.

### Status

The Preservation Foundation is leading a capital campaign to raise additional funds. Construction for the trail, restroom, parking lot and Phase I restoration began August 2014 and the public access improvements were completed and opened to the public in October 2015. Phase II restoration and follow up maintenance and monitoring will continue through 2017. Private funding for the habitat restoration and the educational interpretation features continues to be pursued by the Preservation Foundation.

Prior	Expenditures	FY '17	FY '18	FY '19	FY '20	FY '21	Total
2,653,326	Habitat Restoration	446,673					446,673
<b>Total</b>	<b>Total</b>	<b>446,673</b>					<b>446,673</b>

Prior	Funding Sources	FY '17	FY '18	FY '19	FY '20	FY '21	Total
2,653,326	Bond Funds	227,023					227,023
<b>Total</b>	Development Levy	19,650					19,650
	Grants	200,000					200,000
	<b>Total</b>	<b>446,673</b>					<b>446,673</b>

### Operational Impact/Other

Trail maintenance and public safety patrol of approximately 2 miles of trail, and service of parking lot and restroom: \$48,000 per year. Maintenance of restored areas through controlled burns: \$6,000 per year.

Budget Items	FY '17	FY '18	FY '19	FY '20	FY '21	Total
Natural Resource Division			6,000	6,000	6,000	18,000
Operations & Public Safety		48,000	48,000	48,000	48,000	192,000
<b>Total</b>		<b>48,000</b>	<b>54,000</b>	<b>54,000</b>	<b>54,000</b>	<b>210,000</b>

# Capital Improvement Plan

FY '17 *thru* FY '21

## Lake County Forest Preserves

**Project #** 64301  
**Project Name** Heron Creek - IL Rte 22 Connection



**Department** Planning & Land Preservation

**Type** Improvement Projects

**Category** Site and Trail Improvements

**Contact** Randy Seebach

**Start Date** FY 2016/17

**End Date** FY 2016/17

### Description

The District has been working with IDOT regarding their planned improvements to Route 22 which includes the construction of a shared-use path to the south side of Route 22 that will provide an important connection linking together Egret Marsh and Heron Creek Forest Preserves. The District will be required to cover the local share cost for engineering and construction of a 350' section of trail connecting the proposed shared-use path to the existing trails at Heron Creek.

### Status

Execution of an Intergovernmental Agreement is expected in 2016 with construction anticipated to begin in FY2016/17.

Expenditures	FY '17	FY '18	FY '19	FY '20	FY '21	Total
Improvements	20,000					20,000
<b>Total</b>	<b>20,000</b>					<b>20,000</b>

Funding Sources	FY '17	FY '18	FY '19	FY '20	FY '21	Total
Bond Funds	20,000					20,000
<b>Total</b>	<b>20,000</b>					<b>20,000</b>

### Operational Impact/Other

Trail maintenance and public safety patrols for this section of proposed trail is approximately: \$600 per year.

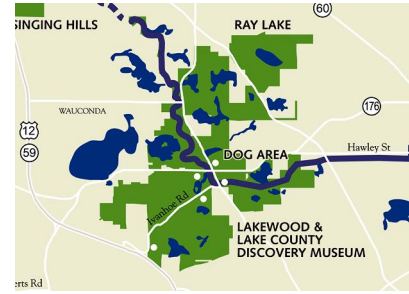


# Capital Improvement Plan

FY '17 *thru* FY '21

## Lake County Forest Preserves

**Project #** 61020  
**Project Name** Lakewood Forest Preserve



**Department** Planning & Land Preservation

**Type** Improvement Projects

**Contact** Randy Seebach

**Category** Site and Trail Improvements

**Start Date** August, 2003

**End Date** FY 2018/19

### Description

Project consists of developing a master plan for Lakewood that would be approved by the Board. Lakewood is the District's largest and oldest Forest Preserve and has not had the benefit of a master plan and has not received comprehensive capital improvements. Potential improvements could include trails, picnic areas and lake renovations, public road, parking, utility and infrastructure improvements, and other site work that will help to lower the long-term operating costs.

### Status

A public Advisory Committee was set up to assist with developing the master plan in Spring 2005. The Advisory Committee unanimously recommended a master plan in 2007. Several natural resource and trail improvements have occurred in 2012 and 2013 including the construction of two Route 176 trail underpasses associated with LCDOT's Fairfield Road and Route 176 intersection project. The development of a detailed improvement plan has been delayed pending decisions regarding the Lake County Discovery Museum and the future of the existing buildings. The planning process is expected to resume in late fall 2016 with Board approval anticipated in summer 2017 and construction to follow in 2018.

Prior	Expenditures	FY '17	FY '18	FY '19	FY '20	FY '21	Total
974,846	Construction	250,000	3,969,506				4,219,506
<b>Total</b>	<b>Total</b>	<b>250,000</b>	<b>3,969,506</b>				<b>4,219,506</b>

Prior	Funding Sources	FY '17	FY '18	FY '19	FY '20	FY '21	Total
974,846	Bond Funds	250,000	3,647,572				3,897,572
<b>Total</b>	Development Levy		321,934				321,934
	<b>Total</b>	<b>250,000</b>	<b>3,969,506</b>				<b>4,219,506</b>

### Operational Impact/Other

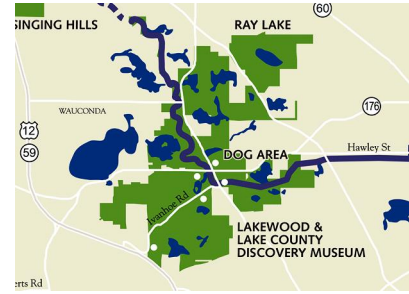
The operational impact is undetermined until the master plan and more detailed planning is finalized.

# Capital Improvement Plan

FY '17 *thru* FY '21

## Lake County Forest Preserves

**Project #** 61010  
**Project Name** Lakewood Tree Planting & Restoration



**Type** Habitat Restoration  
**Category** Natural Resource Restoration  
**Start Date** FY 2015/16  
**Department** Planning & Land Preservation  
**Contact** Randy Seebach  
**End Date** FY 2020/21

### Description

As part of the Lake County Division of Transportation's (LCDOT) Fairfield Road and Route 176 intersection improvement project, LCDOT has provided funding to the District in the amount of \$500,000 as mitigation for the tree impacts associated with the project.

### Status

Tree and shrub planting will focus on areas around the Fairfield Road and Route 176 intersection. Initial clearing work began in the winter 2015/16 and the initial tree and shrub planting is scheduled to begin in spring 2016 and continue through FY2020/21.

Prior	Expenditures	FY '17	FY '18	FY '19	FY '20	FY '21	Total
122,643	Habitat Restoration	75,500	75,500	75,500	75,500	75,357	377,357
<b>Total</b>	<b>Total</b>	<b>75,500</b>	<b>75,500</b>	<b>75,500</b>	<b>75,500</b>	<b>75,357</b>	<b>377,357</b>

Prior	Funding Sources	FY '17	FY '18	FY '19	FY '20	FY '21	Total
122,643	Development Levy	75,500	75,500	75,500	75,500	75,357	377,357
<b>Total</b>	<b>Total</b>	<b>75,500</b>	<b>75,500</b>	<b>75,500</b>	<b>75,500</b>	<b>75,357</b>	<b>377,357</b>

### Operational Impact/Other

Maintenance includes cost to inspect, inventory, water, fertilize and prune: varies during years depending on planting.



# Capital Improvement Plan

FY '17 *thru* FY '21

## Lake County Forest Preserves

**Project #** 61006  
**Project Name** Lakewood Habitat Restoration - Broberg Marsh



**Department** Natural Resource

**Type** Habitat Restoration

**Category** Natural Resource Restoration

**Contact** Jim Anderson

**Start Date** FY 2014/15

**End Date** FY 2016/17

### Description

Project consists of the restoration of one of the best quality hemi-marshes in Lake County. Invasive trees and shrubs will be removed with reintroduction of native plants, shrubs and trees.

### Status

Restoration planning began for Broberg Marsh and surrounding uplands in FY 2013/14. Habitat improvements will enhance this important wetland bird breeding area and the surrounding prairie and savanna. Clearing of woody invasive brush across 58 acres was completed in the winter of FY 2014/15 and drain tile removal and native seeding will be completed in FY 2015/16. Additional invasive plant control will be completed in the summer 2016 with project completion in FY 2016/17.

Prior	Expenditures	FY '17	FY '18	FY '19	FY '20	FY '21	Total
329,466	Habitat Restoration	120,534					120,534
<b>Total</b>	<b>Total</b>	<b>120,534</b>					<b>120,534</b>

Prior	Funding Sources	FY '17	FY '18	FY '19	FY '20	FY '21	Total
329,466	Bond Funds	120,534					120,534
<b>Total</b>	<b>Total</b>	<b>120,534</b>					<b>120,534</b>

### Operational Impact/Other

Maintenance of restored acres through controlled burning and invasive species control.

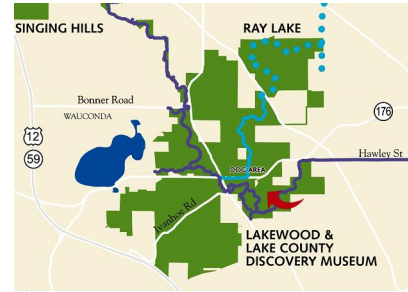
Budget Items	FY '17	FY '18	FY '19	FY '20	FY '21	Total
Natural Resource Division		5,000	5,000	5,000	5,000	20,000
<b>Total</b>		<b>5,000</b>	<b>5,000</b>	<b>5,000</b>	<b>5,000</b>	<b>20,000</b>

# Capital Improvement Plan

FY '17 *thru* FY '21

## Lake County Forest Preserves

**Project #** 61005  
**Project Name** Lakewood Habitat Restoration-Schreiber Bog



**Department** Natural Resource

**Type** Habitat Restoration

**Category** Natural Resource Restoration

**Contact** Jim Anderson

**Start Date** Fall, 2014

**End Date** FY 2017/18

### Description

Project consists of restoration of Schreiber Bog and surrounding habitats including native oak woodlands and sedge meadow wetlands. Hydrological restoration of high quality lakes and wetlands.

### Status

Planning for the project implementation occurred in FY2014/15 with restoration efforts planned for winter 2015/16 which will include woody invasive removal, invasive herbaceous species control and restoration of historical hydrological conditions. The re-introduction of native trees, shrubs, forbs, sedges and grasses occurred in FY2015/16 and will be continued in FY2016/17.

Prior	Expenditures	FY '17	FY '18	FY '19	FY '20	FY '21	Total
493,786	Habitat Restoration	250,000	56,214				306,214
<b>Total</b>	<b>Total</b>	<b>250,000</b>	<b>56,214</b>				<b>306,214</b>

Prior	Funding Sources	FY '17	FY '18	FY '19	FY '20	FY '21	Total
493,786	Bond Funds	250,000	56,214				306,214
<b>Total</b>	<b>Total</b>	<b>250,000</b>	<b>56,214</b>				<b>306,214</b>

### Operational Impact/Other

Maintenance of restored acres through controlled burning and invasive species control.

Budget Items	FY '17	FY '18	FY '19	FY '20	FY '21	Total
Natural Resource Division			15,000	15,000	15,000	45,000
<b>Total</b>			<b>15,000</b>	<b>15,000</b>	<b>15,000</b>	<b>45,000</b>



# Capital Improvement Plan

FY '17 *thru* FY '21

## Lake County Forest Preserves

**Project #** 63010  
**Project Name** Lyons Woods Trail Connection



**Department** Planning & Land Preservation

**Type** Improvement Projects

**Category** Site and Trail Improvements

**Contact** Randy Seebach

**Start Date** FY 2014/15

**End Date** FY 2017/18

### Description

In 2010 a master plan was approved for Waukegan Savanna that included a regional trail connecting Lyons Woods and Waukegan Savanna Forest Preserves to the Des Plaines River trail. The District is partnering with the City of Waukegan, Waukegan Park District and Waukegan Township Highway Department on the first phase of this trail which is a 2.4 mile section between Lyons Woods and Greenbay Road. The District applied for federal funding assistance through CMAQ program in January 2015 and was notified in November 2015 that the funding has been approved through the TAP program.

### Status

To prepare the project for federal funding eligibility, Phase I engineering began in the fall 2014 and Phase II engineering began in summer 2015. Construction is anticipated to begin in late summer/fall 2016. The District is currently working on an intergovernmental agreement with the Park District and the City of Waukegan that identify cost sharing and maintenance responsibilities. Execution of the IGA is expected in early summer 2016.

Prior	Expenditures	FY '17	FY '18	FY '19	FY '20	FY '21	Total
589,500	Improvements	500,000					500,000
<b>Total</b>	<b>Total</b>	<b>500,000</b>					<b>500,000</b>

Prior	Funding Sources	FY '17	FY '18	FY '19	FY '20	FY '21	Total
589,500	Bond Funds	500,000					500,000
<b>Total</b>	<b>Total</b>	<b>500,000</b>					<b>500,000</b>

### Operational Impact/Other

Trail maintenance and public safety patrols for the new trail at approximately \$8,600 per mile is: \$20,640. Full impact will depend ultimately on whether partners are involved and what role they may play in the long-term maintenance and operation of this section of trail.

Budget Items	FY '17	FY '18	FY '19	FY '20	FY '21	Total
Operations & Public Safety		20,640	20,640	20,640	20,640	82,560
<b>Total</b>		<b>20,640</b>	<b>20,640</b>	<b>20,640</b>	<b>20,640</b>	<b>82,560</b>

# Capital Improvement Plan

FY '17 *thru* FY '21

## Lake County Forest Preserves

**Project #** 61101  
**Project Name** Middlefork Savanna Trail Connection



**Department** Planning & Land Preservation

**Type** Improvement Projects

**Category** Site and Trail Improvements

**Start Date** Fall, 2008

**Contact** Randy Seebach

**End Date** FY 2017/18

### Description

This project is part of an overall effort to connect the Middlefork Savanna and Greenway to the Des Plaines River Trail and represents a partnership with the City of Lake Forest, Village of Mettawa, Lake Forest Openlands and Lake Forest Academy. The District applied for federal funding assistance through the CMAQ program in January 2015 and was notified in November 2015 that the funding had been approved through the TAP program.

### Status

Engineering contract for feasibility study completed in October 2009 to determine bridge requirements at the southern end of Middlefork Savanna over the Metra railroad tracks. Board approved an engineering contract in November 2013 and bids received in the summer 2014 were significantly over the project budget and rejected. To prepare the project for federal funding eligibility Phase I engineering began in fall 2014 and Phase II engineering began in the spring 2015. In October 2015 an IGA, that identified cost sharing, maintenance and land rights responsibilities, was executed between the District, the City and the Academy. Construction is anticipated to begin in late summer/fall 2016.

Prior	Expenditures	FY '17	FY '18	FY '19	FY '20	FY '21	Total
402,308	Construction	595,224					595,224
<b>Total</b>	<b>Total</b>	<b>595,224</b>					<b>595,224</b>

Prior	Funding Sources	FY '17	FY '18	FY '19	FY '20	FY '21	Total
402,308	Bond Funds	595,224					595,224
<b>Total</b>	<b>Total</b>	<b>595,224</b>					<b>595,224</b>

### Operational Impact/Other

Costs to maintain and patrol a 1/4 mile of trail is \$2,150.

Budget Items	FY '17	FY '18	FY '19	FY '20	FY '21	Total
Operations & Public Safety		2,150	2,150	2,150	2,150	8,600
<b>Total</b>		<b>2,150</b>	<b>2,150</b>	<b>2,150</b>	<b>2,150</b>	<b>8,600</b>

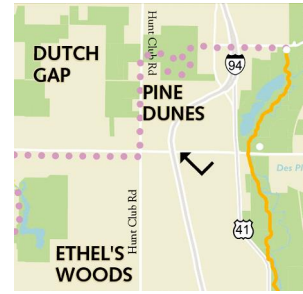


# Capital Improvement Plan

FY '17 *thru* FY '21

## Lake County Forest Preserves

<b>Project #</b>	<b>65203</b>
<b>Project Name</b>	<b>Millennium Trail - Rte 173</b>



**Department** Planning & Land Preservation

**Type** Millennium Trail

**Category** Site and Trail Improvements

**Contact** Randy Seebach

**Start Date** Spring, 2013

**End Date** FY 2017/18

### Description

District Board approved an IGA with IDOT in September 2013 authorizing IDOT to include the construction of a shared-use path along the north side of Illinois Route 173 as part of their road improvement project which includes the reconstruction of the bridge over Interstate 94. The District is responsible for the local share (20%) of the cost for construction of approximately 2,400 feet of 10-foot wide asphalt path.

### Status

Construction began in 2013 and was completed in 2014. The District is awaiting final project billing.

<b>Expenditures</b>	<b>FY '17</b>	<b>FY '18</b>	<b>FY '19</b>	<b>FY '20</b>	<b>FY '21</b>	<b>Total</b>
Improvements	30,000					30,000
<b>Total</b>	<b>30,000</b>					<b>30,000</b>

<b>Funding Sources</b>	<b>FY '17</b>	<b>FY '18</b>	<b>FY '19</b>	<b>FY '20</b>	<b>FY '21</b>	<b>Total</b>
Development Levy	30,000					30,000
<b>Total</b>	<b>30,000</b>					<b>30,000</b>

### Operational Impact/Other

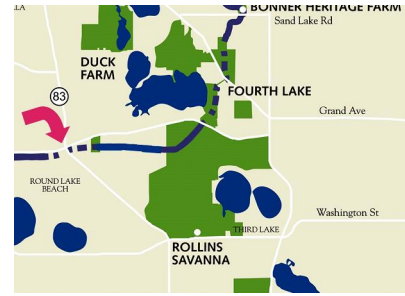
No additional impact at this time.

# Capital Improvement Plan

FY '17 *thru* FY '21

## Lake County Forest Preserves

**Project #** 61303  
**Project Name** Millennium Trail - Rte 83 & Rollins Road



**Department** Planning & Land Preservation

**Type** Millennium Trail

**Category** Site and Trail Improvements

**Contact** Randy Seebach

**Start Date** Summer, 2013

**End Date** FY 2016/17

### Description

LCDOT is making improvements to the intersection of Route 83 and Rollins Road. Included in the project is a pathway connection along Rollins Road that will become part of the Millennium Trail connecting sections of the existing trail at Hainesville Park and Hook Drive. An Intergovernmental Agreement (IGA) between LCDOT and the District was executed in May 2013. The District will be funding the local share of the trail improvement from Hainseville Road to Hook Drive and the Village of Round Lake Beach will provide all maintenance and public safety patrol responsibilities for this section of trail.

### Status

Construction began in fall 2013 and the project was complete and opened to the public in August 2015.

Prior	Expenditures	FY '17	FY '18	FY '19	FY '20	FY '21	Total
35,050	Construction	5,000					5,000
<b>Total</b>	<b>Total</b>	<b>5,000</b>					<b>5,000</b>

Prior	Funding Sources	FY '17	FY '18	FY '19	FY '20	FY '21	Total
35,050	Development Levy	5,000					5,000
<b>Total</b>	<b>Total</b>	<b>5,000</b>					<b>5,000</b>

### Operational Impact/Other

No additional operational impacts. Trail maintenance and public safety patrols for this section of trail will be provided by the Village of Round Lake Beach.

# Capital Improvement Plan

FY '17 *thru* FY '21

## Lake County Forest Preserves

**Project #** 61603  
**Project Name** Millennium Trail - Van Patten Woods Connection



**Department** Planning & Land Preservation

**Type** Millennium Trail

**Category** Site and Trail Improvements

**Contact** Randy Seebach

**Start Date** Fall, 2013

**End Date** FY 2016/17

### Description

As part of the Interstate 94 Russell Road bridge reconstruction project, the Illinois State Toll Highway Authority (ISTHA) will construct a pedestrian/bike path from old US Route 41 east to within 2,800 feet of the Van Patten Woods Forest Preserve entrance. The District project would extend the path from where ISTHA terminated east to Van Patten Woods and Des Plaines River Trail. This trail extension is part of an important section of the Millennium Trail linking the Millennium Trail at Pine Dunes Forest Preserve to the Des Plaines River Trail at Van Patten Woods Forest Preserve.

### Status

Engineering began in the fall 2013 and it was determined that additional ROW was needed to complete the path. An IGA with LCDOT, approved by District Board in November 2015, identified the needed ROW for the path improvements and future long term maintenance responsibilities. LCDOT will acquire the necessary ROW and the District has agreed to provide all maintenance and operational responsibilities for the entire section of trail between Pine Dunes and Van Patten Forest Preserves. Construction is anticipated in 2017.

Prior	Expenditures	FY '17	FY '18	FY '19	FY '20	FY '21	Total
95,241	Construction	914,759					914,759
<b>Total</b>	<b>Total</b>	<b>914,759</b>					<b>914,759</b>

Prior	Funding Sources	FY '17	FY '18	FY '19	FY '20	FY '21	Total
95,241	Bond Funds	312,760					312,760
<b>Total</b>	Development Levy	133,999					133,999
	General Fund	275,000					275,000
	Other Funds	193,000					193,000
	<b>Total</b>	<b>914,759</b>					<b>914,759</b>

### Operational Impact/Other

\$8,600 per mile per year cost of trail operation.



# Capital Improvement Plan

FY '17 *thru* FY '21

## Lake County Forest Preserves

**Project #** 66622  
**Project Name** Millennium Trail - McDonald Woods to Rte 45



**Department** Planning & Land Preservation

**Type** Millennium Trail

**Category** Site and Trail Improvements

**Contact** Randy Seebach

**Start Date** FY 2016/17

**End Date** FY 2018/19

### Description

As part of the planned Millennium Trail extension connecting McDonald Woods, Raven Glen and Ethel's Woods Forest Preserves, the District is partnering with IDOT to incorporate a shared-use path within the planned Millburn bypass and IL Route 45 improvement project. The District will be responsible for the construction of a .20 mile trail connection from the existing McDonald Woods Preserve trails east to Route 45.

### Status

Engineering is expected to begin in FY2017/18 and construction is anticipated to begin in FY2018/19.

Expenditures	FY '17	FY '18	FY '19	FY '20	FY '21	Total
Improvements			185,000			185,000
<b>Total</b>			<b>185,000</b>			<b>185,000</b>

Funding Sources	FY '17	FY '18	FY '19	FY '20	FY '21	Total
Development Levy			185,000			185,000
<b>Total</b>			<b>185,000</b>			<b>185,000</b>

### Operational Impact/Other

Trail maintenance and public safety patrols for the new section of trail at McDonald Woods is approximately: \$1,800 per year.

# Capital Improvement Plan

FY '17 *thru* FY '21

## Lake County Forest Preserves

**Project #** 61911  
**Project Name** Operation Facility - Solar Panel System



**Type** Other  
**Department** Facilities  
**Category** Facility Improvements  
**Contact** Jim Ballowe  
**Start Date** FY 2015/16  
**End Date** FY 2016/17

**Description**

This project would involve placing a 550 KW solar panel system on the roof of the operations building. The estimated cost is \$1,898,050.

**Status**

The District is investigating the possibility of private funding for this project. If funding sources become available, project will be scheduled for FY 2016/17.

Expenditures	FY '17	FY '18	FY '19	FY '20	FY '21	Total
Improvements	1,898,050					1,898,050
<b>Total</b>	<b>1,898,050</b>					<b>1,898,050</b>

Funding Sources	FY '17	FY '18	FY '19	FY '20	FY '21	Total
Other Funds	1,898,050					1,898,050
<b>Total</b>	<b>1,898,050</b>					<b>1,898,050</b>

**Operational Impact/Other**

The District would currently realize an annual savings of \$50,000 on the cost of electricity. As the price of electricity increases this amount would grow.

# Capital Improvement Plan

FY '17 *thru* FY '21

## Lake County Forest Preserves

**Project #** 66627  
**Project Name** Pine Dunes - Wildlife Conservation Facility



**Department** Facilities

**Type** Improvement Projects

**Category** Facility Improvements

**Start Date** FY 2018/19

**Contact** Jim Ballowe

**End Date** FY 2018/19

### Description

Based on the District-wide facility and infrastructure assessment, the decision was made to relocate the Wildlife Conservation Facility to the Pine Dunes McClure property.

### Status

Implementation of this project will be handled by in-house staff with construction and relocation scheduled for FY 2018/19.

<b>Expenditures</b>	<b>FY '17</b>	<b>FY '18</b>	<b>FY '19</b>	<b>FY '20</b>	<b>FY '21</b>	<b>Total</b>
Improvements			50,000			50,000
<b>Total</b>			<b>50,000</b>			<b>50,000</b>

<b>Funding Sources</b>	<b>FY '17</b>	<b>FY '18</b>	<b>FY '19</b>	<b>FY '20</b>	<b>FY '21</b>	<b>Total</b>
Development Levy			50,000			50,000
<b>Total</b>			<b>50,000</b>			<b>50,000</b>

### Operational Impact/Other

All design, planning and construction will be performed by the Facilities Division.



# Capital Improvement Plan

FY '17 *thru* FY '21

## Lake County Forest Preserves

**Project #** 56055  
**Project Name** Ray Lake - Cuneo Phase I Restoration



**Department** Natural Resource

**Type** Habitat Restoration

**Category** Natural Resource Restoration

**Contact** Jim Anderson

**Start Date** Spring, 2016

**End Date** On-going

**Description**

In 2015 the Preservation Foundation was awarded an Illinois Clean Energy grant to fund the acquisition and restoration of this large scale preserve. The ICE grant provided \$85,000 to begin the implementation of wetlands and grasslands at this preserve. Recent acquisitions have expanded the boundaries of the preserve and these will be included in the planning efforts. A stipulation of the grant requires agricultural lease funds to be used for further restoration efforts.

**Status**

Planning began in 2016 with a drain tile investigation. Additional restoration planning will include conducting a hydrological assessment of wetland restoration opportunities and control of invasive species. Possible restoration efforts include drain tile removal, native seeding and planting, native tree and shrub planting, and controlled burn.

<b>Expenditures</b>	<b>FY '17</b>	<b>FY '18</b>	<b>FY '19</b>	<b>FY '20</b>	<b>FY '21</b>	<b>Total</b>
Habitat Restoration	85,000					85,000
<b>Total</b>	<b>85,000</b>					<b>85,000</b>

<b>Funding Sources</b>	<b>FY '17</b>	<b>FY '18</b>	<b>FY '19</b>	<b>FY '20</b>	<b>FY '21</b>	<b>Total</b>
Other Funds	85,000					85,000
<b>Total</b>	<b>85,000</b>					<b>85,000</b>

**Operational Impact/Other**

No operational impact at this time.

# Capital Improvement Plan

FY '17 thru FY '21

## Lake County Forest Preserves

**Project #** 66610  
**Project Name** Rollins Savanna - Trail Connection



**Department** Planning & Land Preservation

**Type** Improvement Projects

**Category** Site and Trail Improvements

**Start Date** FY 2016/17

**Contact** Randy Seebach

**End Date** FY 2018/19

### Description

This project will provide a needed trail connection linking the Village of Gurnee, Grandwood Park and other unincorporated areas to the existing trails at Rollins Savanna and the Millennium Trail. This trail connection will be approximately 0.5 miles and will be routed from the existing preserve trails southeast to the lighted intersection of Dada Drive and Illinois Route 45. Prior to moving forward with implementation, a partnership is needed with the Village of Gurnee and possibly others to complete the trail connection east of Route 45 along Knowles Road.

### Status

Engineering is scheduled to begin in FY2017/18 with construction to follow in FY2018/19. District staff has met with the Village of Gurnee and they have incorporated the Knowles Road trail connection within their budget for 2017.

Expenditures	FY '17	FY '18	FY '19	FY '20	FY '21	Total
Construction			350,000			350,000
<b>Total</b>			<b>350,000</b>			<b>350,000</b>

Funding Sources	FY '17	FY '18	FY '19	FY '20	FY '21	Total
Development Levy			350,000			350,000
<b>Total</b>			<b>350,000</b>			<b>350,000</b>

### Operational Impact/Other

Trail maintenance and public safety patrols for 1/2 mile of trail is \$4,300 per year.

# Capital Improvement Plan

FY '17 *thru* FY '21

## Lake County Forest Preserves

**Project #** 66628  
**Project Name** Ryerson Barn - Education Class Rooms



**Type** Improvement Projects  
**Department** Facilities  
**Category** Facility Improvements  
**Contact** Jim Ballowe  
**Start Date** FY 2019/20  
**End Date** FY 2019/20

**Description**

Based on the District-wide facility and infrastructure assessment, the decision was made to relocate the Ryerson education classrooms from the present location in the cabins to the newly constructed classrooms in the main barn.

**Status**

Implementation of this project will be contracted out with construction and relocation scheduled for FY 2019/20.

<b>Expenditures</b>	<b>FY '17</b>	<b>FY '18</b>	<b>FY '19</b>	<b>FY '20</b>	<b>FY '21</b>	<b>Total</b>
Improvements				175,000		175,000
<b>Total</b>				<b>175,000</b>		<b>175,000</b>

<b>Funding Sources</b>	<b>FY '17</b>	<b>FY '18</b>	<b>FY '19</b>	<b>FY '20</b>	<b>FY '21</b>	<b>Total</b>
Development Levy				175,000		175,000
<b>Total</b>				<b>175,000</b>		<b>175,000</b>

**Operational Impact/Other**

Design and planning will be performed through the Facilities Division.



# Capital Improvement Plan

FY '17 *thru* FY '21

## Lake County Forest Preserves

**Project #** 61504  
**Project Name** Singing Hills - Kettle Grove Restoration



**Department** Natural Resource

**Type** Habitat Restoration

**Category** Natural Resource Restoration

**Contact** Jim Anderson

**Start Date** FY 2015/16

**End Date** FY 2017/18

### Description

In 2013 and 2014, the Preservation Foundation received two private donations to fund high priority habitat restoration projects throughout the District. In early 2015 the Foundation approved the funds be directed to support the restoration of nearly 950 acres at Singing Hills and Kettle Grove Forest Preserves.

### Status

Planning began in 2015 and the first phase of implementation, including the removal of invasive woody species, began in the winter 2015/16. Planting, seeding, and other restoration efforts will occur in FY2016/17 and FY2017/18.

<b>Prior</b>	<b>Expenditures</b>	<b>FY '17</b>	<b>FY '18</b>	<b>FY '19</b>	<b>FY '20</b>	<b>FY '21</b>	<b>Total</b>
201,215	Habitat Restoration	220,000	78,785				298,785
<b>Total</b>	<b>Total</b>	<b>220,000</b>	<b>78,785</b>				<b>298,785</b>

<b>Prior</b>	<b>Funding Sources</b>	<b>FY '17</b>	<b>FY '18</b>	<b>FY '19</b>	<b>FY '20</b>	<b>FY '21</b>	<b>Total</b>
201,215	Development Levy	220,000	78,785				298,785
<b>Total</b>	<b>Total</b>	<b>220,000</b>	<b>78,785</b>				<b>298,785</b>

### Operational Impact/Other

Maintenance of these restored acres through controlled burning is estimated at: \$4,000 per year.

# Capital Improvement Plan

FY '17 *thru* FY '21

## Lake County Forest Preserves

<b>Project #</b>	<b>65004</b>
<b>Project Name</b>	<b>Southern DPR Preserve Habitat Restoration</b>



**Department** Natural Resource

**Type** Habitat Restoration

**Category** Natural Resource Restoration

**Contact** Jim Anderson

**Start Date** FY 2009/10

**End Date** FY 2017/18

### Description

Project consists of continued woodland and river corridor restoration at Wright Woods, Grainger Conservation Area, Lloyd's Woods, Cahokia Flatwoods, MacArthur Woods and Ryerson Conservation Area. The goal is to increase the biodiversity and long-term sustainability of these ecologically sensitive woodlands.

### Status

Baseline data collection started in spring 2009 with hydrologic engineering anticipated for 2010 at Ryerson and Mac Arthur Woods. Invasive species removed in winter 2012/2013 at Grainger and Mac Arthur Woods. Invasive species removal at Ryerson, Wright Woods and Mac Arthur Woods will continue 2012-2019.

Prior	Expenditures	FY '17	FY '18	FY '19	FY '20	FY '21	Total
2,461,230	Habitat Restoration	280,000	258,770				538,770
<b>Total</b>	<b>Total</b>	<b>280,000</b>	<b>258,770</b>				<b>538,770</b>

Prior	Funding Sources	FY '17	FY '18	FY '19	FY '20	FY '21	Total
2,461,230	Bond Funds	280,000	258,770				538,770
<b>Total</b>	<b>Total</b>	<b>280,000</b>	<b>258,770</b>				<b>538,770</b>

### Operational Impact/Other

Maintenance of restored acres through controlled burning and invasive species control: \$30,000 per year.

Prior	Budget Items	FY '17	FY '18	FY '19	FY '20	FY '21	Total
120,000	Natural Resource Division			30,000	30,000	30,000	90,000
<b>Total</b>	<b>Total</b>			<b>30,000</b>	<b>30,000</b>	<b>30,000</b>	<b>90,000</b>

# Capital Improvement Plan

FY '17 thru FY '21

## Lake County Forest Preserves

**Project #** 64610  
**Project Name** Waukegan Savanna - Phase I



**Department** Planning & Land Preservation

**Type** Improvement Projects

**Category** Site and Trail Improvements

**Contact** Randy Seebach

**Start Date** FY 2014/15

**End Date** FY 2016/17

### Description

Currently the site uses consist of a special use dog sled/horse wagon trail area, a mowed grass trail around a farm field, in the winter snowmobile trails and farming areas. A master plan for the 754 acre Waukegan Savanna Forest Preserve was approved by the District Board in 2010. The master plan includes public access and natural resource restoration. Phase I of the master plan includes the development of the 26 acre dog exercise area which includes a 51 car parking lot, restroom, drinking fountain and mowed grass trails.

### Status

The master plan started in November 2008. Site analysis, inventory, programming and concept alternatives and final conceptual master plan completed and approved by the District Board in 2010. Engineering for Phase I began in fall 2014 with construction anticipated to begin in late summer 2016.

Prior	Expenditures	FY '17	FY '18	FY '19	FY '20	FY '21	Total
228,625	Improvements	1,471,375					1,471,375
<b>Total</b>	<b>Total</b>	<b>1,471,375</b>					<b>1,471,375</b>

Prior	Funding Sources	FY '17	FY '18	FY '19	FY '20	FY '21	Total
228,625	Bond Funds	1,471,375					1,471,375
<b>Total</b>	<b>Total</b>	<b>1,471,375</b>					<b>1,471,375</b>

### Operational Impact/Other

Dog exercise area, trail maintenance, public safety patrols and restroom: \$60,000 per year.

Budget Items	FY '17	FY '18	FY '19	FY '20	FY '21	Total
Operations & Public Safety		60,000	60,000	60,000	60,000	240,000
<b>Total</b>		<b>60,000</b>	<b>60,000</b>	<b>60,000</b>	<b>60,000</b>	<b>240,000</b>

# Capital Improvement Plan

FY '17 *thru* FY '21

## Lake County Forest Preserves

<b>Project #</b>	<b>62410</b>
<b>Project Name</b>	<b>Wright Woods / McArthur Woods Dam Removal</b>



<b>Type</b>	Improvement Projects	<b>Department</b>	Planning & Land Preservation
<b>Category</b>	Site and Trail Improvements	<b>Contact</b>	Jim Anderson
<b>Start Date</b>	July, 2016	<b>End Date</b>	December 2017

### Description

As part of a local effort the Forest Preserve, Lake County SMC, US Army Corps of Engineers and the Illinois Department of Natural Resources are focusing on the removal of low-head dams on the Des Plaines River. The IDNR provided funding for the removal of the last two remaining dams on the Des Plaines River. The removal of these two remaining dams in Lake County will greatly enhance the biodiversity of the river, allow for the movement of substrate important for fish habitat, and improving water quality. These efforts meet the goals of the Upper Des Plaines flood Reduction Study and the priorities of the Des Plaines Working Group.

### Status

The District awarded a contract to CLS but had to rebid the project due to unforeseen infrastructure. The Forest Preserve rebid the contract and awarded a contract to Michels Corporation to begin implementation in 2016. The IDNR informed the Forest Preserve that funding was suspended in July 2016 so project was placed on hold. The Forest Preserve hopes to still receive funding from the IDNR but has provided funding for the project in case those funds are withheld. We have a current contract with Michels that will require a change order. Anticipated start date is July 2016 with completion by the end of 2017. IDNR recently amended the original funding agreement till December 2018.

Prior	Expenditures	FY '17	FY '18	FY '19	FY '20	FY '21	Total
141,950	Improvements	690,000					690,000
<b>Total</b>	<b>Total</b>	<b>690,000</b>					<b>690,000</b>

Prior	Funding Sources	FY '17	FY '18	FY '19	FY '20	FY '21	Total
141,950	Bond Funds	690,000					690,000
<b>Total</b>	<b>Total</b>	<b>690,000</b>					<b>690,000</b>

### Operational Impact/Other

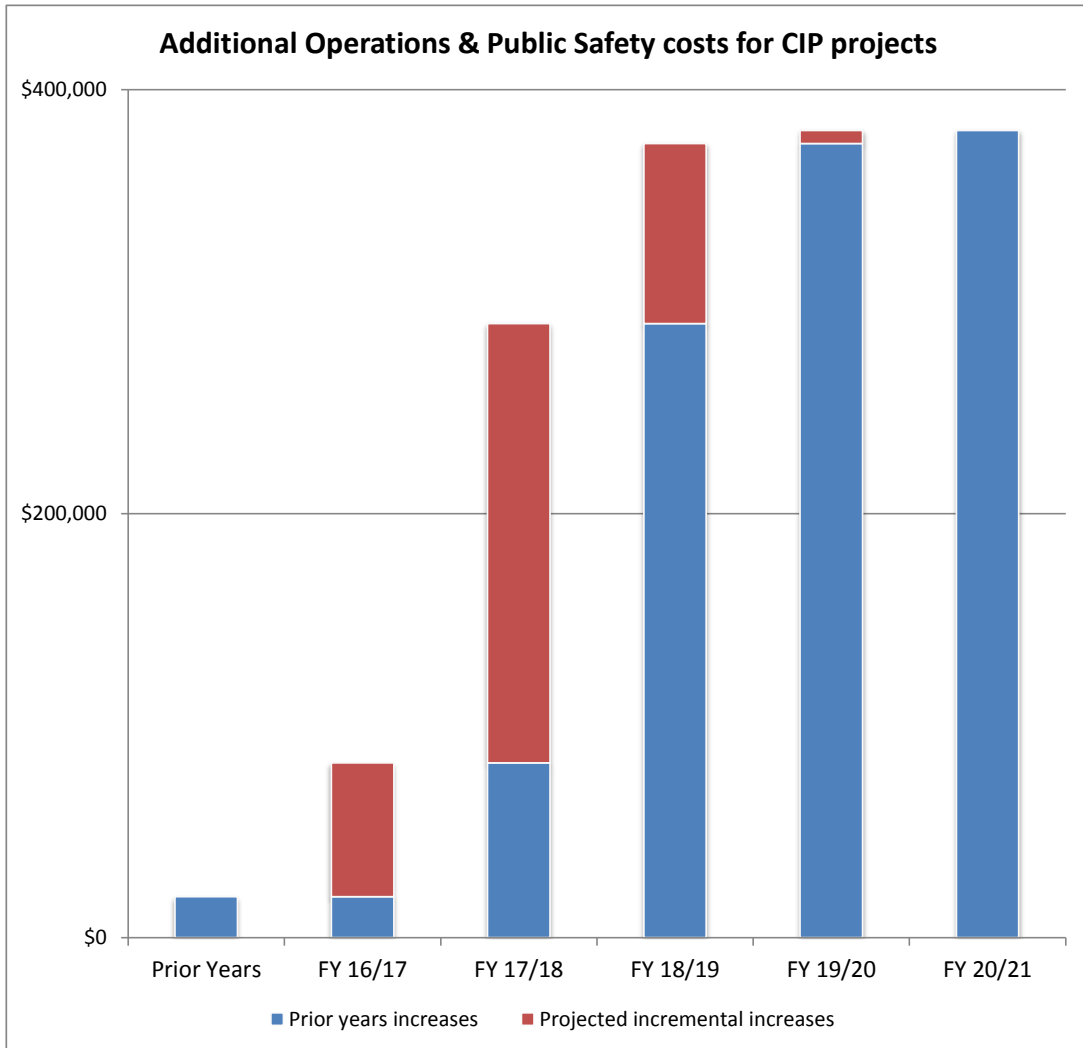
None expected.



## Lake County Forest Preserve District

What effect does the Five-Year Capital Improvement Plan have on the operating budget?

What benefits are provided?



<b>Benefits to the Public</b>	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
New sites opened	3	2	2	0	0
Facilities expanded	6	1	0	0	0
Additional miles of trails	9.50	2.70	3.20	1.75	0.75

The above chart summarizes the operating impact from capital improvement projects included in the ten-year Capital Improvement Plan. As new sites are opened, facilities expanded, and trails added, operating costs increase. Operating costs to maintain a site include removal of garbage, cleaning and stocking comfort stations, mowing grass, maintaining parking lots (including snow removal) and upkeep of gravel and grass trails. In addition, patrolling preserves, and opening and closing gates are required. The approximate cost to maintain and patrol one mile of trail is \$8,600.

**LAKE COUNTY FOREST PRESERVE DISTRICT  
FISCAL YEAR 2016/17  
OTHER CAPITAL EXPENDITURES BY FUND**

(Excluding capital improvement projects)

Capital Expenditures are defined as assets that include buildings, improvements, machinery and equipment with an expected useful life of more than two years and have an initial individual cost of more than \$5,000.

<b>GENERAL CORPORATE FUND</b>	
<b>General District</b>	
<i>Miscellaneous Capital Outlay:</i>	
Replace Unit #242, 2000 John Deere Tractor	45,000
Board Room Improvements	3,000
<b>Total</b>	<b>48,000</b>
<b>Total General Corporate Fund 48,000</b>	
<b>INSURANCE FUND</b>	
<i>Miscellaneous Capital Outlay:</i>	
Sampling equipment required for OSHA, lock out/tag materials, additional automated external defibrillators	100,000
<b>Total Insurance Fund</b>	<b>100,000</b>
<b>FORT SHERIDAN CEMETERY</b>	
<i>Improvement Projects:</i>	
Pillar Repairs	15,000
<b>Total Cemetery Fund</b>	<b>15,000</b>
<b>GRANT FUNDS</b>	
<i>Improvement Projects:</i>	
Natural resources projects	414,910
<b>Total Grant Funds</b>	<b>414,910</b>
<b>EQUIPMENT REPLACEMENT FUND</b>	
<i>Heavy Equipment:</i>	
Replace Unit #356, 2009 John Deere Tractor w/attachments	42,500
Replace Unit #026, 2006 International Dump w/water tank	150,000
<b>Total Equipment Replacement Fund</b>	<b>192,500</b>
<b>INFORMATION TECHNOLOGY REPLACEMENT FUND</b>	
<i>Computer Hardware:</i>	
Disk to Disk (D2D) Backup	8,920
Storage Area Network (SAN) Server Upgrade	61,120
Upgrade Network Equipment in Data Center	49,900
UPS for Data Center at GO	50,000
<b>Total Information Technology Replacement Fund</b>	<b>169,940</b>
<b>VEHICLE REPLACEMENT FUND</b>	
<i>Motor Vehicles:</i>	
Replace Unit #053, 2007 Chevy Box Van w/utility service	43,910
Replace Unit #061, 2008 Chevy Colorado	38,000
Replace Unit #068, 2008 Chevy K3500	76,490
Replace Unit #111, 2012 Chevy Traverse	32,150
Replace Unit #112, 2012 Chevy Traverse	34,110
Replace Unit #113, 2012 Chevy Traverse	34,110
Replace Unit #114, 2012 Chevy Police Impala	25,200
Replace Unit #115, 2012 Chevy Police Impala	25,370
Replace Unit #116, 2012 Chevy Police Impala	25,200
Additional Cost to Replace #14 & #15	80,000
<b>Total Vehicle Replacement Fund</b>	<b>414,540</b>
<b>ENTERPRISE FUND - GOLF OPERATIONS</b>	
<i>Machinery and Tools:</i>	
Countryside - 300 Gallon Sprayer	47,000
Countryside - Bunker Rake	17,000
Thunderhawk - Core/Plug Processor	24,000
Thunderhawk - Greens Roller	12,000
Thunderhawk - Tow Behind Blower	7,000
<b>Total Golf Operations</b>	<b>107,000</b>
<b>Total Capital Expenditures</b>	<b>\$1,461,890</b>