



LAKE COUNTY FOREST PRESERVES
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Preservation, Restoration, Education and Recreation

DATE: January 29, 2018

MEMO TO: Craig Taylor, Chair
Operations Committee

Carol Calabresa, Chair
Planning Committee

S. Michael Rummel, Chair
Finance Committee

FROM: Alex Ty Kovach
Executive Director

RECOMMENDATION: Review and comment on the proposed 10-Year Capital Improvement Plan (CIP). The CIP will then be presented to the Finance Committee for consideration as part of the FY2018/2019 budget process.

STRATEGIC DIRECTIONS SUPPORTED: Public Access and Connections; Conservation; Leadership

FINANCIAL DATA: As noted in Background (below) and on attached spreadsheet.

BACKGROUND: As part of the annual budget process, staff is requesting that all three Committees review and provide comments on the 10-year CIP and the list of potential unfunded capital improvement projects. The CIP will then be presented to the Finance Committee which will determine whether to recommend to full Board of Commissioners that it approve the CIP. Under the District's budget process, the updated 10-year CIP is approved by the Board prior to approving the District's overall budget.

The staff-recommended adjustments to the CIP fall into two categories: 1) adjustments to existing funded projects on the CIP, and 2) new projects recommended to be funded or added to the CIP.

Adjustments to the existing funded projects on the CIP:

- 1) Millennium Trail – Route 45 Tunnel and Trail – 1,350,000. In an effort to take advantage of the 2019 federal transportation funding cycle, additional funding is needed to complete the federal application process, Phase II engineering and the local share of the construction. The project includes the construction of a Route 45 underpass for the Millennium Trail and a 0.25 trail extension that will safely connect Raven Glen and Ethel's Woods Forest Preserves.

- 2) Millennium Trail – Rollins Road Crossing - \$229,336. The District received federal funding assistance for this project through the Illinois Transportation Enhancement Program (ITEP) administered by IDOT. As part of IDOT's project closeout procedures, a more accurate cost estimate has been developed identifying the final local share requirement and additional funding is needed to fulfill the District's obligation. The District has received final billing for the Millennium Trail – Grand Avenue Crossing and the Wilson Road Crossing projects and the project budget for those projects combined can be reduced a total of \$321,771. It is recommended that a portion of the savings from those two projects be transferred to the Rollins Road project to cover the additional funding needed.

Projects recommended to be funded or added to the CIP:

- 1) District-wide Accessibility Improvements - \$50,000/Year. To improve accessibility to the District's facilities, programs and communications for people of all ages and abilities, the District will be working with a consultant in 2018 to identify accessibility deficiencies and to develop a long range plan for improvement. It is recommended that the District set aside annual funding for these improvements. Minimal impacts to the annual operating costs.
- 2) Hastings Lake – Trail Connection. The District and the Village of Lindenhurst have received numerous requests over the last several years to construct a small section of trail (370 lineal feet) connecting a portion of the Village to the District's existing trails at Hastings Lake. The District and the Village are currently working on an IGA that will identify the general terms of the trail connection including the commitment of staff time to plan, permit and construct the trail. It is recommended that this project be added to the CIP because staff resources will be applied to this project. Minimal impacts to the annual operating costs.
- 3) Oriole Grove – Master Plan. In December 2017, the District Board approved a land exchange with the State of Illinois that transferred all of the States interest in Oriole Grove and Prairie Wolf Forest Preserves to the District in exchange for the State acquiring full ownership of Black Crown Forest Preserve. With full ownership of Oriole Grove, staff resources are needed to coordinate with Lake Bluff Openlands Association and Lake Forest Openlands Association, prepare a Master Plan for the Preserve and to fund raise for any potential improvements and operational costs. Minimal impacts to the annual operating costs.
- 4) Lakewood – Grounds Maintenance Building Replacement - \$2,525,000. As part of the Master Plan process for Lakewood, preliminary cost estimates have been developed regarding upgrades to the existing buildings currently occupied by grounds maintenance staff verses the construction of a new building. Because of the code compliance costs required to improve the existing buildings, it is recommended that a new energy efficient building be constructed that is consistent with the District's overall efforts to rightsize infrastructure District-wide and reduce the long term operating costs. It is anticipated that this new maintenance building design will be a strong candidate for funding assistance through the Illinois Clean Energy Net Zero Energy Building Program for projects that receive a net zero energy performance, or better, over the course of a year. Consequently, it is recommended that the CIP funding associated with the Kilowatt Hour Reduction project and a portion of the Special Projects Fund balance be transferred to this project as a new CIP initiative. A reduction in the annual operating costs is anticipated.

- 5) Lakewood – Smooth Green Snake Reintroduction - \$30,000. Over the past decade, the District has purchased and restored a significant amount of land containing suitable green snake habitat at Lakewood Forest Preserve. Funding is needed for this three-phase project to recover the smooth green snake at Lakewood. The project includes monitoring and refinement of the suitable habitat, population supplementation and/or reintroduction of the smooth green snakes and long term monitoring of captive breed individuals in compliance with the Illinois Department of Natural Resources. No impacts to the annual operating costs.
- 6) Southern DPR – Woodland Amphibian Reintroduction - \$75,000. In April 2014, following reintroduction efforts by the District, woods frogs were found breeding at MacArthur Woods for the first time since the mid 1980's. In 2017, wood frogs were also reintroduced at Edward L. Ryerson Conservation Area and Granger Woods. Funding would continue the augmentation of these reintroduced populations and provide an additional three years of monitoring. No impacts to the annual operating costs.
- 7) Old School – Phase II Habitat Restoration - \$189,000. This project will restore oak woodland habitat in a 45-acre area located north of the existing loop road. The work will include clearing of woody invasive brush and successional tree species followed by seeding in an effort to establish a native herbaceous ground cover. This project will support the District's ongoing efforts to enhance oak ecosystem regeneration and restore Northern Flatwood communities and will greatly enhance habitat for woodland birds, amphibians, reptiles and small mammals. Estimated annual operating cost is \$2,000.00.

REVIEW BY OTHERS: Chief Operations Officer, Director of Finance, Director of Planning and Land Preservation, Director of Natural Resources, Director of Operations and Infrastructure, Director of Facilities, Corporate Counsel

POTENTIAL UNFUNDED CAPITAL IMPROVEMENT PROJECTS (CIP)

JOINT COMMITTEE MEETING

January 29, 2018

The following is a list of potential unfunded projects to consider for possible future inclusion into the 10-year CIP. This list was originally developed during the FY 2015/2016 budget discussions, and the proposed changes are a result of projects being consolidated or moved to the funded list.

ADDITIONAL PUBLIC ACCESS & HABITAT RESTORATION PROJECTS TO CONSIDER:

DESCRIPTION	ESTIMATED PROJECT COSTS w/o Funding Assistance \$	ESTIMATED PROJECT COSTS w/Funding Assistance \$	ANNUAL OPERATING COSTS \$
Dog Exercise Area Access Improvements - Prairie Wolf, Lakewood, Independence Grove	580,000	580,000	Maintenance Reduction
Ray Lake-Fort Hill Trail Extension	650,000	650,000	10,900
Millennium Trail-Round Lake Section	4,185,000	1,300,000	TBD
Millennium Trail-Ethel's Woods to Pine Dunes	3,852,000	1,220,000	34,000
Millennium Trail-McDonald Woods to Raven Glen	475,000	120,000	TBD
Middlefork Trail and Greenway (Scope Reduction)	1,550,000	581,000	19,800
Chain O' Lakes Bike Path-Bluebird Meadow	1,650,000	600,000	13,500
Lakewood Complex			
1. Broberg Marsh Phase II	448,600	448,600	10,000
2. Lakewood South – 1,000 Acre Woodland	1,435,400	1,435,400	20,000
3. Cuneo Parcel	61,800	61,800	10,000
4. Ray Lake Upland Restoration	1,735,225	1,735,225	10,000
5. Wauconda Bog	245,000	245,000	8,000
6. Ray Lake Hydrological Investigation	250,000	250,000	0
Southern Des Plaines River Complex			
1. Woodland Habitat Restoration Phase III Assessment	110,000	110,000	3,000
2. Old School Phase II Restoration	324,500	324,500	7500
3. Cahokia Flatwoods Restoration	693,000	693,000	20,000
North Central Grassland Ecosystem Complex			
1. Wadsworth Savanna Restoration	690,000	690,000	8,000
2. Ethel's Woods Restoration	314,250	314,250	15,000
3. Van Patten Restoration	719,500	719,500	8,000
4. Pine Dunes Wetland Restoration	225,000	225,000	5,000
5. Dutch Gap Grassland Restoration	665,000	665,000	25,000
6. Prairie Stream Grassland Restoration	484,000	484,000	15,000
Waukegan Savanna Regional Trail (Green Bay to Wadsworth Rd.)	7,500,000	2,215,000	13,500
Chain O'Lakes Bike Path-Grant Woods Trail Surfacing	500,000	500,000	3,240
Van Patten Woods-Equestrian & Public Parking	300,000		2,500
Lake Carina-DPR Trail Bridge & Equestrian Parking	1,651,000		2,500

DESCRIPTION	ESTIMATED PROJECT COSTS w/o Funding Assistance	ESTIMATED PROJECT COSTS w/Funding Assistance	ANNUAL OPERATING COSTS
	\$	\$	\$
Lake Marie Public Access	105,000		40,000
Fort Sheridan-Phase II Master Plan Improvements	860,000		1,500
Gander Mountain Habitat Restoration	466,200		4,000
Fourth Lake Habitat Restoration	509,000		10,000
Fox River Addition (north of Roberts Road)	1,200,000		50,000
Grand Illinois Trail-Singing Hills to McHenry County	TBD		TBD
Mill Creek Master Plan	TBD		TBD
Ryerson Bridge Connection-Linking Ryerson to DPR Trail	1,500,000		1,500
Heron Creek Phase II-Trail Addition	650,000		5,400
Independence Grove-Playground Shade Structure	40,000		Minimal Impacts
	TOTALS	41,662,975	18,255,775

Ethel's Woods Additional Restoration	251,000		Minimal Impacts
Millennium Trail-Rte. 45 Tunnel & Trail (Ethel's Woods)	4,300,000	1,350,000	6,500
North Mill Creek Corridor Restoration	TBD w/GIMS		TBD
Northern Des Plaines-Sedge Meadow/Oak Savanna Restore	TBD w/ GIMS		TBD
Rollins Savanna Trail Connection	100,000	100,000	Minimal Impacts
Upper Des Plaines River-USACE Phase II Ecosystem Restore	3,000,000		106,000

	Recommended additions to the Unfunded Project List
	Recommended deletions from the Unfunded Project List

Lake County Forest Preserve District
Ten- Year Capital Improvement Plan

Project No.	Source of Funds	ESTIMATED Project Total	Grant/Donation/ Inter Gov/ Endowment/Funding	Budget 2017/18	Estimated 2017/18	Ten Year Funding Requirement											Total Current Funding				
						FY 2018/19						FY 2020	FY 2021	FY 2022	FY 2023	FY 2024		FY 2025	FY 2026	FY 2027	FY 2028
						Carry Forward	New Funding	Budget 2018/19													
	Development Levy Funds					\$2,633,677	\$2,715,400	\$5,349,077	\$1,195,300	\$925,426	\$850,000	\$850,000	\$0								
	Development Bond Funds					9,324,121	0	9,324,121	0	0	0	0	0								
	Limited Bonds							0	0	0	0	0	0								
	Interest Income on Bond Funds						25,000	25,000	0	0	0	0	0								
	General & Other Funds					4,171,326	55,045	4,226,371	317,523	575,016	575,016	598,046	1,450,000	1,450,000	1,450,000	1,450,000	1,450,000				
	IDOT Easement / Tree Fees						0	0	0	0	0	0	0								
	Preservation Foundation & Donations						138,735	138,735	40,000	10,000	0	0	0								
	Grants					1,615,000	0	1,615,000	0	0	0	0	0								
	Ongoing Capital Improvements																				
60004	Habitat Restoration			757,504	616,837	140,667	600,000	740,667	400,000	400,000	400,000	400,000	400,000	400,000	400,000	400,000	400,000	\$4,340,667			
60010	Preserve Tree Planting (includes IDOT funding)PLP		910,000	150,516	13,240	112,276	-	112,276	75,000	75,000	75,000	75,000	50,000	50,000	50,000	50,000	50,000	\$662,276			
60008	District-wide Reforestation NR			200,000	180,587	19,413	150,000	169,413	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	\$1,069,413			
60009	Repair Existing Roads/Parking			1,247,809	451,884	795,925	750,000	1,545,925	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	\$6,045,925			
60022	Facility and Infrastructure Improvements			1,105,643	316,890	788,753	525,000	1,313,753	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	\$4,463,753			
	District-wide Accessibility Improvements			-	-	-	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	\$500,000			
	Sub-Total			3,461,472	1,579,438	1,857,034	2,075,000	3,932,034	1,475,000	1,475,000	1,475,000	1,475,000	1,450,000	1,450,000	1,450,000	1,450,000	1,450,000				
	Public Access/Misc. Projects																				
64701	Buffalo Creek - LCDOT Mitigation Bank Trail	\$1,300,000	1,060,727	300,000	-	300,000	-	300,000	-	-	-	-	-	-	-	-	-	\$300,000			
64710	Buffalo Creek - MWRD Reservoir Expansion	3,500,000	3,500,000	-	-	-	122,482	122,482	-	-	-	-	-	-	-	-	-	\$122,482			
60025	Duck Farm Dog Exercise Area Accessibility	160,000		160,000	-	160,000	-	160,000	-	-	-	-	-	-	-	-	-	\$160,000			
60301	Duck Farm Munn Road Access	100,000		100,000	-	100,000	-	100,000	-	-	-	-	-	-	-	-	-	\$100,000			
63901	Ethel's Woods - Public Access	4,379,000		1,386,522	1,186,522	-	-	-	-	-	-	-	-	-	-	-	-	\$0			
65101	Everett Road Trail Connection	1,650,000		705,929	405,929	-	-	-	-	-	-	-	-	-	-	-	-	\$0			
60420	Fort Sheridan Preserve	2,949,668		2,719,076	2,189,076	-	-	-	-	-	-	-	-	-	-	-	-	\$0			
61811	General Offices - Build Out/Misc. Infrastructure	1,898,204		402,443	402,443	-	-	-	-	-	-	-	-	-	-	-	-	\$0			
64703	Grass Lake Road Tunnel	200,000		59,847	-	59,847	-	59,847	-	-	-	-	-	-	-	-	-	\$59,847			
60701	Grassy Lake Improvements (Hurd property)	3,025,000	179,000	255,816	180,816	75,000	85,000	160,000	40,000	10,000	-	-	-	-	-	-	-	\$210,000			
	Hastings Lake Trail Connection	TBD		-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$0			
64301	Heron Creek - IL Route 22 Connection	20,000		20,000	-	20,000	-	20,000	-	-	-	-	-	-	-	-	-	\$20,000			
	Sub-Total			-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$0			
61020	Lake County Destination	TBD		-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$0			
	Lakewood Forest Preserve	4,264,950		4,303,697	70,492	4,208,375	-	4,208,375	-	-	-	-	-	-	-	-	-	\$4,208,375			
	Lakewood-Grounds Maint. Building Replacement	1,898,050		1,898,050	-	1,898,050	626,950	2,525,000	-	-	-	-	-	-	-	-	-	\$2,525,000			
61010	Lakewood - Tree Planting	500,000	500,000	88,263	-	70,000	-	70,000	90,000	120,000	34,620	-	-	-	-	-	-	\$314,620			
63010	Lyons Woods Trail Connection	3,000,000	2,257,815	662,629	662,629	-	-	-	-	-	-	-	-	-	-	-	-	\$0			
61101	Middlefork Savanna Trail Connection	2,800,000	2,058,196	540,393	540,393	-	-	-	-	-	-	-	-	-	-	-	-	\$0			
65503	Millennium Trail - McDonalds Woods to RTE 45	TBD		-	-	-	185,000	185,000	-	-	-	-	-	-	-	-	-	\$185,000			
65203	Millennium Trail - Rte 173	30,000		30,000	-	30,000	-	30,000	-	-	-	-	-	-	-	-	-	\$30,000			
	Millennium Trail - Rte 45 Tunnel and Trail	4,300,000		75,000	75,000	-	1,350,000	1,350,000	-	-	-	-	-	-	-	-	-	\$1,350,000			
61603	Millennium Trail - Van Patten Woods Connection	1,310,000	200,000	894,281	894,281	-	-	-	-	-	-	-	-	-	-	-	-	\$0			
63214	Millennium Trail - Wilson Road Crossing	1,860,234	2,267,674	378,343	319,166	9,177	-	9,177	-	-	-	-	-	-	-	-	-	\$9,177			
61812	Museum Relocation	375,000		316,058	309,622	6,436	-	6,436	-	-	-	-	-	-	-	-	-	\$6,436			
63801	Nippersink - LCDOT Trail Connection	1,121,228	1,111,228	10,000	-	10,000	-	10,000	-	-	-	-	-	-	-	-	-	\$10,000			
	North-Central Preserve Connections	TBD		-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$0			
	Oriole Grove - Master Plan	TBD		-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$0			
64211	Pine Dunes - Wildlife Conservation Facility	50,000		50,000	50,000	-	-	-	-	-	-	-	-	-	-	-	-	\$0			
61301	Rollins Savanna - Gumee Trail Connection	350,000		95,000	90,873	4,127	445,000	449,127	-	-	-	-	-	-	-	-	-	\$449,127			
61310	Rollins Savanna - Third Lake Trail Improvements	30,000	30,000	30,000	-	30,000	-	30,000	-	-	-	-	-	-	-	-	-	\$30,000			
	Ryerson Barn - Education Classroom	175,000		-	-	-	-	-	175,000	-	-	-	-	-	-	-	-	\$175,000			
64811	Spring Bluff Wildlife Observation Area	600,000	263,700	623,602	593,602	-	-	-	-	-	-	-	-	-	-	-	-	\$0			
64610	Waukegan Savanna - Dog Exercise Area	2,150,000		878,386	798,386	-	-	-	-	-	-	-	-	-	-	-	-	\$0			
	Sub-Total			17,492,903	9,058,601	6,981,012	2,814,432	9,795,444	305,000	130,000	34,620	-	-	-	-	-	-				
	Habitat Restoration Projects																				
	Buffalo Creek Mitigation - Wright Woods	\$400,000	400,000	400,000	-	400,000	-	400,000	-	-	-	-	-	-	-	-	-	\$400,000			
64104	Cuba Marsh Habitat Restoration	650,000		150,841	150,841	-	-	-	-	-	-	-	-	-	-	-	-	\$0			
63910	Ethel's Woods - N. Mill Creek Restoration	6,842,438	1,000,000	4,251,412	952,040	3,299,372	-	3,299,372	-	-	-	-	-	-	-	-	-	\$3,299,372			
60406	Fort Sheridan - USACE GLFER Restoration	7,430,000	4,830,000	900,870	60,000	840,870	-	840,870	-	-	-	-	-	-	-	-	-	\$840,870			
63709	Fourth Lake - Hepatica Restoration	76,000	76,000	76,000	65,000	11,000	-	11,000	-	-	-	-	-	-	-	-	-	\$11,000			
60604	Grant Woods Restoration	570,000	570,000	253,700	135,015	118,685	53,735	172,420	-	-	-	-	-	-	-	-	-	\$172,420			
	Lakewood - Smooth Green Snake Reintroduction	50,000		-	-	-	30,000	30,000	-	-	-	-	-	-	-	-	-	\$30,000			
61006	Lakewood Habitat Restoration - Broberg Marsh	450,000		3,488	3,488	-	-	-	-	-	-	-	-	-	-	-	-	\$0			
61005	Lakewood Habitat Restoration - Schreiber Bog	900,000		260,967	227,371	33,596	56,214	89,810	-	-	-	-	-	-	-	-	-	\$89,810			
61110	Middlefork - Buckthorn Pilot Project	3,250,000	174,545	149,789	149,789	-	-	-	-	-	-	-	-	-	-	-	-	\$0			
	Oak Woodland and Ecological Complexes	TBD		-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$0			
	Old School - Phase II Restoration	TBD		-	-	-	189,000	189,000	-	-	-	-	-	-	-	-	-	\$189,000			
62504	Prairie Wolf - Mitigation Project	500,000	500,000	500,000	165,726	334,274	-	334,274	-	-	-	-	-	-	-	-	-	\$334,274			
56055	Ray Lake - Cuneo Phase 1 Restoration	163,847	85,000	-	23,030	-	-	-	-	-	-	-	-	-	-	-	-	\$0			
61504	Singing Hills/Kettle Grove Restoration	475,000	475,000	230,053	12,280	217,773	-	217,773	-	-	-	-	-	-	-	-	-	\$217,773			
65004	Southern DPR Preserve Habitat Restoration	3,000,000		724,931	520,794	204,137	-	204,137	-	-	-	-	-	-	-	-	-	\$204,137			
56050	Spring Bluff - Connecting Wetlands	582,765	1,000,000	385,000	385,000	-	615,000	615,000	-	-	-	-	-	-	-	-	-	\$615,000			
	Southern DPR - Woodland Amphibian Reintroduction	125,000		-	-	-	75,000	75,000	-	-	-	-	-	-	-	-	-	\$75,000			
	Sub-Total			8,287,051	2,853,5																