



LAKE COUNTY FOREST PRESERVES
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Preservation, Restoration, Education and Recreation

DATE: January 28, 2019

MEMO TO: Jessica Vealitzek, Chair
Operations Committee

John Wasik, Chair
Planning Committee

Terry Wilke, Chair
Finance Committee

FROM: Alex Ty Kovach
Executive Director

RECOMMENDATION: Review and comment on the proposed changes to the 10-Year Capital Improvement Plan (CIP). The recommended changes will be forwarded to the Finance Committee for final review and approval as an amendment to the FY 2018/2019 budget.

STRATEGIC DIRECTIONS SUPPORTED: Organizational Sustainability; Public Access and Connections; Leadership; Conservation.

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

BACKGROUND: As part of the FY 2018/2019 budget process, and due to the extended length of the fiscal year (18 months), it was recommended that a review on the potential changes to 10-year CIP by the applicable standing committees occur in January 2019. Staff is requesting that the Operations, Planning and Finance 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 for final review and recommendation for approval by the Board of Commissioners in the form of an amendment to the FY 2018/2019 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 existing funded projects on the CIP:

- 1) Duck Farm DEA Accessibility - \$60,000.00. As part of the initial design phase it was determined that the existing restroom facility should be replaced now when the surrounding area undergoes accessibility improvements. Additional funding is needed for a new evaporator restroom and to provide accessible surfacing around the restroom. A reduction in the annual operating costs is anticipated.
- 2) Fort Sheridan Public Access Improvements – \$80,560.00. After receiving higher than expected bids for refurbishing the existing steel bridge, it was determined that additional funding is needed to prepare more detailed engineering documents and to cover the costs for the repairs. The existing bridge is located along the grass birding loop which is scheduled to open to the public in the summer 2019. There is no impact to the annual operating costs.

- 3) Millennium Trail-McDonald Woods to Route 45 - \$25,000.00. In June 2017, the District entered into an Intergovernmental Agreement (IGA) with the Illinois Department of Transportation (IDOT) regarding the planned improvements to US Route 45, more commonly known as the Millburn Bypass project. As part of the IGA, the District committed to funding the 20% local share of the construction costs for the portion of the planned shared use path and sidewalk along only the District's frontage at McDonald Woods Forest Preserve. The local share of remaining sections of the planned shared use path through the Bypass project will be funded by the Village of Lindenhurst and will become the Millennium Trail. Additional funding is needed to cover the District's portion of the estimated local share including any changes that may occur during construction. Minimal impacts to the annual operating costs are anticipated.
- 4) Spring Bluff Wildlife Observation Area – (\$85,862.34). This project was completed in October 2019 and the project budget can be reduced due to excellent bid pricing and construction management.

Projects recommended to be funded or added to the CIP:

- 1) General Offices - Front Entry Safety Bollards - \$25,000.00. After an internal safety audit, it was determined that there are currently no safety barriers protecting the main entrance to the General Offices from either accidental or intended vehicle penetration. As an alternate to the standard looking urban bollards the District's planning staff has designed a more natural solution through the use of native boulders. Additional funding is needed to purchase and install the boulders. No impacts to the annual operating costs are anticipated.
- 2) Greenbelt - Habitat Restoration. In 2010 the District began a multi-departmental effort to restore habitat for shrubland birds at Greenbelt Forest Preserve, which is located within the Lake Michigan watershed. Shrubland birds have been identified by the US Fish and Wildlife Service, Chicago Wilderness, Audubon Great Lakes and the Bird Conservation Network as a Species of Conservation Concern. Since 2010, the District has partnered with nine different partners to provide \$645,000 in funding (\$312,000 grant funds) for 140 acres of natural resource restoration and stewardship work at Greenbelt Forest Preserve. Future work will be funded by available grants and funds currently in the Development Levy (Habitat Restoration). It is recommended that this project be added to the CIP because staff resources will be applied to this project. Estimated annual operating costs is \$22,000.00.
- 3) Greenbelt - Entrance Sign Modifications - \$50,000.00. The electronic messaging sign at the Cultural Center reached the end of its useful life and was no longer functional. The technology used by the sign was obsolete and no longer available. Staff removed the electronic element of and redesigned the sign as a static entry sign in 2018. In order to provide the dynamic messaging desired to market and promote events and programs at the Cultural Center funding is needed to install a new more efficient electronic messaging sign. Minimal impacts to the annual operating costs are anticipated.
- 4) Grant Woods – Long Lake Shoreline Stabilization - \$400,000.00. Due to extensive shoreline erosion issues along the District owned portion of Long Lake at Grant Woods Forest Preserve, the District completed shoreline stabilization and restoration work in 2008 on the most severely affected areas. After receiving recent concerns from local residents and the Squaw Creek Clean Water Alliance, funding is needed to perform an engineering study and to set aside seed money for potential grant applications to complete the stabilization of the remaining portion of the District's shoreline. No impacts to the annual operating costs are anticipated.

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

Lake County Forest Preserve District
Ten- Year Capital Improvement Plan

Project No.	Updated 1/28/2019 DRAFT	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										
Source of Funds																		
	Development Levy Funds					\$3,325,190	\$2,715,400	\$6,040,590	\$1,195,300	\$925,430	\$850,000	\$773,800	\$0	\$0	\$0	\$142,000	\$190,000	
	Development Bond Funds					12,630,997	0	12,630,997	0	0	0	0	0	0	0	0	0	0
	Limited Bonds					0	0	0	0	0	0	0	0	0	0	0	0	0
	Interest Income on Bond Funds					0	25,000	25,000	0	0	0	0	0	0	0	0	0	0
	General & Other Funds					4,573,220	110,000	4,683,220	518,523	668,016	659,016	701,246	1,450,800	1,450,000	1,450,000	1,310,000	450,000	
	IDOT Easement / Tree Fees					0	0	0	0	0	0	0	0	0	0	0	0	0
	Preservation Foundation & Donations					0	157,781	157,781	40,000	10,000	0	0	0	0	0	0	0	0
	Grants					1,377,668	175,146	1,552,814	0	0	0	0	0	0	0	0	0	0
Ongoing Capital Improvements																		
60004	Habitat Restoration			757,504	502,610	254,894	600,000	854,894	400,000	400,000	400,000	400,000	400,000	400,000	400,000	400,000	400,000	\$4,454,894
60010	Preserve Tree Planting (includes IDOT funding)PLP		910,000	170,378	22,498	122,880	-	122,880	75,000	75,000	75,000	75,000	50,000	50,000	50,000	50,000	50,000	\$672,880
60008	District-wide Reforestation NR			200,000	68,045	131,955	150,000	281,955	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	\$1,181,955
60009	Repair Existing Roads/Parking			1,247,809	15,412	1,232,397	750,000	1,982,397	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	\$6,482,397
60022	Facility and Infrastructure Improvements			1,105,643	329,950	779,003	525,000	1,304,003	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	\$4,454,003
60030	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			3,481,334	938,515	2,521,128	2,075,000	4,596,128	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	285,000	15,000	-	15,000	-	-	-	-	-	-	-	-	-	\$15,000
64710	Buffalo Creek - MWRD Reservoir Expansion	3,500,000	3,500,000	-	-	-	122,479	122,479	-	-	-	-	-	-	-	-	-	\$122,479
60025	Duck Farm Dog Exercise Area Accessibility	220,000		160,000	-	160,000	60,000	220,000	-	-	-	-	-	-	-	-	-	\$220,000
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		1,186,522	334,362	852,160	-	852,160	-	-	-	-	-	-	-	-	-	\$852,160
65101	Everett Road Trail Connection	1,650,000		405,929	20,060	385,869	-	385,869	-	-	-	-	-	-	-	-	-	\$385,869
60420	Fort Sheridan Preserve	2,949,668		2,189,076	1,936,876	252,200	80,560	332,760	-	-	-	-	-	-	-	-	-	\$332,760
61811	General Offices - Safety Bollards	25,000		-	-	-	25,000	25,000	-	-	-	-	-	-	-	-	-	\$25,000
60701	Grassy Lake Improvements (Hurd property)	3,025,000	179,000	255,816	66,610	189,206	85,000	274,206	40,000	10,000	-	-	-	-	-	-	-	\$324,206
	Greenbelt Cultural Center - Entrance Sign Modification	50,000		-	-	-	50,000	50,000	-	-	-	-	-	-	-	-	-	\$50,000
	Hastings Lake Trail Connection	TBD		-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$0
64301	Heron Creek - IL Route 22 Connection	20,000		20,000	-	20,000	-	20,000	-	-	-	-	-	-	-	-	-	\$20,000
	Lake County Destination	TBD		-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$0
61020	Lakewood Forest Preserve	4,264,950		4,303,697	46,274	4,257,423	-	4,257,423	-	-	-	-	-	-	-	-	-	\$4,257,423
61011	Lakewood-Grounds Maint. Building Replacement	2,525,000		1,898,050	-	1,898,050	626,950	2,525,000	-	-	-	-	-	-	-	-	-	\$2,525,000
61010	Lakewood - Tree Planting	500,000	500,000	70,000	-	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	493,112	169,517	-	169,517	-	-	-	-	-	-	-	-	-	\$169,517
61101	Middlefork Savanna Trail Connection	2,800,000	2,058,196	717,907	369,736	348,171	-	348,171	-	-	-	-	-	-	-	-	-	\$348,171
65503	Millennium Trail - McDonalds Woods to RTE 45	TBD		-	-	-	210,000	210,000	-	-	-	-	-	-	-	-	-	\$210,000
65203	Millennium Trail - Rte 173	30,000		30,000	-	30,000	-	30,000	-	-	-	-	-	-	-	-	-	\$30,000
63903	Millennium Trail - Rte 45 Tunnel and Trail	4,300,000	*	75,000	16,576	58,424	1,350,000	1,408,424	-	-	-	-	-	-	-	-	-	\$1,408,424
61603	Millennium Trail - Van Patten Woods Connection	1,310,000	200,000	894,281	782,994	111,287	-	111,287	-	-	-	-	-	-	-	-	-	\$111,287
63214	Millennium Trail - Wilson Road Crossing	1,860,234	2,267,674	368,343	(56,899)	425,242	-	425,242	-	-	-	-	-	-	-	-	-	\$425,242
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	29,453	20,547	-	20,547	-	-	-	-	-	-	-	-	-	\$20,547
61301	Rollins Savanna - Gurnee Trail Connection	520,000		75,000	81,212	(6,212)	445,000	438,788	-	-	-	-	-	-	-	-	-	\$438,788
61310	Rollins Savanna - Third Lake Trail Improvements	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	613,602	383,962	143,780	-	143,780	-	-	-	-	-	-	-	-	-	\$143,780
64610	Waukegan Savanna - Dog Exercise Area	2,150,000		878,386	620,919	257,467	-	257,467	-	-	-	-	-	-	-	-	-	\$257,467
	Sub-Total			15,803,806	5,523,432	9,798,132	3,054,989	12,853,121	305,000	130,000	34,620	-	-	-	-	-	-	
Habitat Restoration Projects																		
62404	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	91,940	58,901	-	58,901	-	-	-	-	-	-	-	-	-	\$58,901
63910	Ethel's Woods - N. Mill Creek Restoration	6,842,438	1,000,000	4,251,412	925,240	3,326,172	-	3,326,172	-	-	-	-	-	-	-	-	-	\$3,326,172
60406	Fort Sheridan - USACE GLFER Restoration	7,430,000	4,830,000	900,870	(1,370)	902,240	-	902,240	-	-	-	-	-	-	-	-	-	\$902,240
63709	Fourth Lake - Hepatica Restoration	76,000	76,000	76,950	35,840	41,110	-	41,110	-	-	-	-	-	-	-	-	-	\$41,110
60604	Grant Woods Restoration	582,346	582,346	253,700	75,200	178,500	52,781	231,281	-	-	-	-	-	-	-	-	-	\$231,281
	Grant Woods - Long Lake Shore Stabilization	TBD		-	-	-	50,000	50,000	350,000	-	-	-	-	-	-	-	-	\$400,000
56059	Greenbelt Restoration	77,000	77,000	-	-	-	77,000	77,000	-	-	-	-	-	-	-	-	-	\$77,000
61012	Lakewood - Smooth Green Snake Reintroduction	50,744		20,744	-	20,744	30,000	50,744	-	-	-	-	-	-	-	-	-	\$50,744
61006	Lakewood Habitat Restoration - Broberg Marsh	450,000		3,488	488	3,000	-	3,000	-	-	-	-	-	-	-	-	-	\$3,000
61005	Lakewood Habitat Restoration - Schreiber Bog	900,000		260,967	147,048	113,919	56,210	170,129	-	-	-	-	-	-	-	-	-	\$170,129
61110	Middlefork - Buckthorn Pilot Project	3,250,000	174,545	238,830	135,229	103,601	-	103,601	-	-	-	-	-	-	-	-	-	\$103,601
	Oak Woodland and Ecological Complexes	TBD		-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$0
64404	Old School - Phase II Restoration	TBD		-	-	-	189,000	189,000	-	-	-	-	-	-	-	-	-	\$189,000
62504	Prairie Wolf - Mitigation Project	500,000	500,000	500,000	64,550	435,450	-	435,450	-	-	-	-	-	-	-	-	-	\$435,450
56055	Ray Lake - Cuneo Phase 1 Restoration	163,847	85,000	132,509	130,602	1,907	-	1,907	-	-	-	-	-	-	-	-	-	\$1,907
61504	Singing Hills/Kettle Grove Restoration	475,000	475,000	230,053	37,357	192,696	20,000	212,696	-	-	-	-	-	-	-	-	-	\$212,696
65004	Southern DPR Preserve Habitat Restoration	3,000,000																

UNFUNDED CAPITAL IMPROVEMENT PROJECTS (CIP)
JOINT COMMITTEE MEETING

January 28, 2019

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 \$	POTENTIAL GRANT FUNDING \$	ANNUAL OPERATING COSTS \$
Dog Exercise Area Access Improvements - Prairie Wolf, Lakewood, Independence Grove	580,000	0	Maintenance Reduction
Ray Lake-Fort Hill Trail Extension	650,000	325,000	10,900
Millennium Trail-Round Lake Section	4,185,000	2,885,000	TBD
Millennium Trail-Ethel's Woods to Pine Dunes	3,852,000	2,632,000	34,000
Millennium Trail-McDonald Woods to Raven Glen	475,000	355,000	TBD
Middlefork Trail and Greenway (Scope Reduction)	1,550,000	979,000	19,800
Chain O' Lakes Bike Path-Bluebird Meadow	1,650,000	1,050,000	13,500
Lakewood Complex			
1. Broberg Marsh Phase II	448,600	100,000	10,000
2. Lakewood South – 1,000 Acre Woodland	1,435,400	500,000	20,000
3. Ray Lake Upland Restoration	1,735,225	1,250,000	10,000
4. Wauconda Bog	245,000	100,000	8,000
5. Ray Lake Hydrological Investigation	250,000	50,000	0
6. Smooth Green Snake Reintroduction	20,000	0	0
Southern Des Plaines River Complex			
1. Woodland Amphibian Reintroduction	50,000	0	1,500
2. Woodland Habitat Restoration Phase III Assessment	110,000	55,000	3,000
3. Old School Phase II Restoration	324,500	100,000	500
4. Cahokia Flatwoods Restoration	693,000	350,000	20,000
North Central Grassland Ecosystem Complex			
1. Wadsworth Savanna Restoration	690,000	100,000	8,000
2. Ethel's Woods Restoration	314,250	100,000	15,000
3. Van Patten Restoration	719,500	250,000	8,000
4. Pine Dunes Wetland Restoration	225,000	225,000	5,000
5. Dutch Gap Grassland Restoration	665,000	400,000	25,000
6. Prairie Stream Grassland Restoration	484,000	240,000	15,000
Waukegan Savanna Regional Trail (Green Bay to Wadsworth Rd.)	7,500,000	5,285,000	13,500
Chain O'Lakes Bike Path-Grant Woods Trail Surfacing	500,000	0	3,240
Van Patten Woods-Equestrian & Public Parking	300,000	200,000	2,500
Lake Carina-DPR Trail Bridge & Equestrian Parking	1,651,000	200,000	2,500

DESCRIPTION	ESTIMATED PROJECT COSTS w/o Funding Assistance \$	POTENTIAL GRANT FUNDING \$	ANNUAL OPERATING COSTS \$
Lake Marie Public Access	105,000	50,000	40,000
Fort Sheridan-Phase II Master Plan Improvements	860,000	400,000	1,500
Gander Mountain Habitat Restoration	466,200	100,000	4,000
Fourth Lake Habitat Restoration	509,000	250,000	10,000
Fox River Addition (north of Roberts Road)	1,200,000	400,000	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	400,000	1,500
Heron Creek Phase II-Trail Addition	650,000	325,000	5,400
Independence Grove-Playground Shade Structure	40,000	0	Minimal Impacts
	TOTALS	36,632,675	19,656,000