



LAKE COUNTY FOREST PRESERVES
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Preservation, Restoration, Education and Recreation

DATE: January 28, 2016

MEMO TO: Bonnie Thomson Carter, Chair
Planning and Restoration Committee

S. Michael Rummel, Chair
Finance and Administrative Committee

Craig Taylor, Chair
Education, Cultural Resources and Public Affairs Committee

Carol Calabresa, Chair
Land Preservation and Acquisition Committee

FROM: Randall L. Seebach, Director
Planning and Land Preservation

RECOMMENDATION: Review the proposed changes to the 5-Year CIP, and forward for other Committees to review as part of the FY 2016-2017 budget process.

STRATEGIC DIRECTION(S) SUPPORTED: Conservation, Leadership, Public Access and Connections and Organizational Sustainability

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

BACKGROUND: As part of the annual budget process, the 5-year CIP and the list of potential unfunded capital improvement projects are reviewed and amended as recommended by the Planning and Restoration Committee and with input from other Standing Committees. The final version of the updated 5-year CIP is approved by the Board when the budget is adopted.

The 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) DPR Trail – Ryerson North – (\$123,000). This project was completed and opened to the public in October 2015. The project budget can be reduced due to excellent bid prices and construction management.
- 2) Ethel’s Woods – North Mill Creek Restoration – (\$465,000). As Phase I of this project is nearing completion and a more accurate cost estimate has been developed for Phase II and it has been determined that the project budget can be reduced.
- 3) Grassy Lake Improvements (Hurd Property) - \$75,000. In order to address a drainage concern that became apparent during construction and to complete Phase II habitat restoration, additional funding is needed. The drainage improvements will occur in 2016 and the habitat restoration work and follow up maintenance and monitoring will continue through 2017.
- 4) Independence Grove – Playground Shade Structure - \$60,000. As design progresses, a clearer understanding of the cost requirements has identified that additional funding is needed for the construction of this project. Fabrication and construction is scheduled to occur in FY 2016-17.

- 5) Lakewood Dog Exercise Area – Use Area Expansion – (\$20,000). This project was completed and opened to the public in October 2015 and the project can be reduced due to excellent bid prices and construction management.
- 6) Millennium Trail – Wilson Road Crossing - (\$170,000). The District received federal funding assistance for this project through the Transportation Alternatives Program (TAP) administered through IDOT. The project was completed and opened to the public in October 2015. As part of IDOT's closeout procedures a more accurate cost estimate has been developed identifying the final local share requirement. The project budget can be reduced due to excellent bid prices and project management.
- 7) Millennium Trail – Rollins Road Crossing - \$250,000. The District received federal funding assistance through the Transportation Enhancement Program (ITEP) administered through IDOT. The project was complete and opened to the public in the fall 2014. Due to the complexity of federal grant funding and reimbursements, the District removed \$615,432 from the project budget in 2014 thinking all reimbursement to the State was accounted, but late billing by the State and a more accurate cost estimate has identified that additional funding is needed to fulfill the District's local share requirement.
- 8) Millennium Trail – Grand Avenue Crossing – \$173,000. The District received federal funding assistance through the ITEP program administered through IDOT. The project was completed and opened to the public in August 2013. Due to the complexity of federal grant funding and reimbursements, the District removed \$143,265 from the project budget in 2013 thinking all reimbursement to the State was accounted, but late billing by the State and a more accurate cost estimate has identified that additional funding is needed to fulfill the District's local share requirement.
- 9) Pine Dunes – SMD – (\$40,000). The public access portion of this project was complete and opened to the public in November 2015. The project budget can be reduced due to lower than expected material costs and good project management.
- 10) Spring Bluff Wildlife Observation Area – (\$160,000). Due to State's suspension of the OSLAD funding and financial concerns over the available CIP funding and the long term operational and maintenance impacts of a new wildlife observation platform, it is recommended that the observation platform be removed from the project budget. The conversion of the existing asphalt road to a crushed stone trail and interpretive exhibits will remain in the project. Construction is anticipated to begin in FY 2016-17.
- 11) Upper DPR – USACE Phase II Ecosystem Restoration – (\$3,000,000). Due to financial concerns over the available CIP funding, and the lack of movement from the USACE, it is recommended that this project be removed from the 5-year CIP and placed on the unfunded list of potential projects for future consideration. The funding set aside for this project can be reallocated towards other priority projects.
- 12) Waukegan Savanna – Phase I - \$450,000. As final engineering progresses for the new Dog Exercise Area improvements, a detailed cost estimate has been prepared further identifying that additional funding is needed for the construction associated with this project. Construction is anticipated to begin in July 2016.
- 13) Wright Woods/McArthur Woods Dam Removal - \$690,000. The District received funding from IDNR for the removal of the two remaining low head dams on the Des Plaines River. The District was notified in July 2015 that the funding has been suspended due to the States budget constraints. As a result, it is recommended that funding for this project be included in the CIP. The District received competitive bids for this project in 2015 and the contractor has agreed to honor his bid until December 31, 2016.

Projects recommended to be funded or added to the CIP:

- 1) Pine Dunes – Wildlife Conservation Facility- \$50,000. As part of the District Wide Facility Assessment, it was recommended that the existing Wildlife Conservation Facility, currently located at Fourth Lake Forest Preserve, and the Lake County Discovery Museum's large object storage facility, currently located at Prairie Stream Forest Preserve, be relocated to Pine Dunes Forest Preserve. Funding is needed to design and renovate the existing building at the former McClure property. Construction is anticipated to occur in FY2018-19. Estimated annual operating cost reduction is \$6,750.00.
- 2) Ray Lake – Cuneo Restoration - \$85,000. The District received funding assistance from the Illinois Clean Energy Community Foundation for the purchase of an addition to Ray Lake Forest Preserve known as the Cuneo property. As portion of the funding assistance is to be directed towards habitat restoration. Restoration work will begin in FY2016-17 and includes soil and drain tile surveys and the removal of invasive plant species. Minimal impacts to the annual operating costs.

- 3) Rollins Savanna – Boardwalk - \$350,000. The District has received several complaints regarding the frequent flooding of a portion of the existing trail. To address these concerns, funding is needed to design and construct a 450 foot long boardwalk. Construction is anticipated to occur in FY2017-18. Estimated annual operating cost reduction is \$2,500.00.
- 4) Ryerson Barn – Education Classroom - \$175,000. As part of the District Wide Facility Assessment, it was recommended that the Borland and Cramer cabins be removed and the education programing that occurs within those buildings be relocated to the main barn. Funding is needed to design and renovate a portion of the main barn to construct a classroom for education programs. Construction is anticipated to occur in FY2019-20. Estimated annual operating cost reduction is \$12,300.00.
- 5) District-wide Reforestation - \$150,000/Year. As part of the District’s Oak Ecosystem Recovery Plan, the District has been performing reforestation since 2012 using a portion the tree impact fees received from IDOT for the tree removals as part of the Route 21 road improvement project. It is recommended that the District continue with the Oak Recovery Plan and allocate funding on an annual basis to plant approximately 3,000 trees and shrubs per year. Minimal impacts to the annual operating costs.

REASON FOR RECOMMENDATION: Committee recommendation and Board approval are required in accordance with District policy.

REVIEW BY OTHERS: Executive Director, Chief Operations Officer, Director of Finance, Director of Natural Resources, Director of Facilities, Director of Operations & Infrastructure, Corporate Counsel

PRESENTER: Randall L. Seebach

Lake County Forest Preserve District Five-Year Capital Improvement Plan

Project No.	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	
							Carry Forward	New Funding	Budget 2016/17						
	Development Levy Funds						\$2,001,231	\$1,895,000	\$3,896,231	\$1,790,000	\$1,200,000	\$750,000	\$80,000	\$0	
	Development Bond Funds						19,824,700	0	19,824,700	0	0	0	0	0	
	Limited Bonds								0	0	0	0	0	0	
	Interest Income on Bond Funds							50,000	50,000	0	0	0	0	0	
	General & Other Funds						4,201,509	1,975,000	6,176,509	2,902,170	1,450,000	1,050,000	0	0	
	IDOT Easement / Tree Fees							0	0	0	0	0	0	0	
	Preservation Foundation & Donations							384,915	384,915	155,085	0	0	0	0	
	Grants						200,000	85,000	285,000	0	0	0	0	0	
	Ongoing Capital Improvements														
60004	Habitat Restoration			\$8,001,829	762,860	762,860	-	500,000	500,000	500,000	500,000	500,000	500,000	500,000	\$11,264,689
60010	Preserve Tree Planting (includes IDOT funding)PLP		910,000	1,385,251	524,192	445,634	51,664	25,000	76,664	74,970	74,970	74,970	74,984	75,000	\$2,207,443
	District-wide Reforestation							150,000	150,000	150,000	150,000	150,000	150,000	150,000	\$750,000
60009	Repair Existing Roads/Parking			2,983,260	1,896,292	1,228,303	-	600,000	600,000	600,000	600,000	600,000	600,000	600,000	\$7,211,564
60015	Trail Signage and Benches		10,000	173,802	15,000	15,000	-	15,000	15,000	15,000	15,000	15,000	15,000	15,000	\$263,802
60016	Property Fencing			104,315	50,000	50,000	-	50,000	50,000	50,000	50,000	50,000	50,000	50,000	\$404,315
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	-	500,000	500,000	500,000	500,000	500,000	500,000	500,000	\$3,000,000
	Project														
64710	Buffalo Creek Phase - MWRD Restoration	\$270,377	3,300,000	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 connectio	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	-	34,600	-	34,600	-	-	-	-	-	\$50,000
60301	Duck Farm Munn Road Access	100,000		0	100,000	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	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
	Heron Creek - IL Route 22 Connection	TBD		0	-	-	-	20,000	20,000	-	-	-	-	-	\$20,000
64301	Heron Creek Phase II - Trail Addition	650,000		0	-	-	-	-	-	50,000	600,000	-	-	-	\$650,000
	Independence Grove - Playground Shade Structure	100,000		0	-	-	-	100,000	100,000	-	-	-	-	-	\$100,000
63610	Lake Carina - DPR Trail Bridge Connection	1,820,000	*	200,000	49,324	1,770,676	119,676	1,651,000	1,651,000	-	-	-	-	-	\$1,820,000
64910	Lake Marie Public Access	105,000		0	-	-	-	-	-	105,000	-	-	-	-	\$105,000
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	-	-	-	-	\$5,194,353
61010	Lakewood - Tree Planting & Restoration	500,000	500,000	250,000	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	156,214	-	-	-	-	\$900,000
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	-	-	-	-	-	\$997,532
63214	Millennium Trail - Wilson Road Crossing	1,860,234		2,267,674	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	300,000	1,214,758	-	-	-	-	-	\$1,309,999
	Millennium Trail - McDonalds Woods to RTE 45	TBD		0	-	-	-	35,000	35,000	150,000	-	-	-	-	185,000
63801	Nippersink Trail Connection	1,022,170	*	518,114	-	-	-	-	-	400,000	-	-	-	-	\$918,114
61911	Operation Facility-Solar Panels	1,898,050		1,898,050	1,898,050	-	1,898,050	-	1,898,050	-	-	-	-	-	\$1,898,050
64201	Pines Dunes - SMD	75,000	9,200,000	2,316	72,684	31,009	-	-	-	-	-	-	-	-	\$33,325
	Pine Dunes - Wildlife Conservation Facility	50,000		0	-	-	-	-	-	50,000	-	-	-	-	\$50,000
	Ray Lake - Cuneo Phase 1 Restoration	TBD		0	-	-	-	85,000	85,000	-	-	-	-	-	\$85,000
62001	Ray Lake - Fort Hill Trail Extension	650,000		0	-	-	-	-	-	650,000	-	-	-	-	\$650,000
	Rollins Savanna - Boardwalk	350,000		0	-	-	-	50,000	50,000	300,000	-	-	-	-	\$350,000
	Rollins Savanna - Trail Connection	400,000		0	-	-	-	75,000	75,000	275,000	-	-	-	-	\$350,000
	Ryerson Barn - Education Classroom	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	-	-	-	-	440,000	-	-	-	-	\$440,000
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	-	-	-	-	-	-	-	-	-	-	\$0
	Van Patten Woods - Equestrian & Public Parking	0		0	-	-	-	-	-	-	-	-	-	-	\$0
64610	Waukegan Savanna - Phase I	2,150,000		36,564	1,113,436	192,061	921,375	1,000,000	1,921,375	-	-	-	-	-	\$2,150,000
62410	Wright Woods/MacArthur Woods Dam Removal	800,000	*	141,950	608,049	-	608,049	81,951	690,000	-	-	-	-	-	\$831,950
		\$50,724,598	\$27,597,961	\$36,191,463	25,693,976	12,554,359	12,243,802	8,198,652	20,442,454	\$11,810,927	\$2,887,870	\$2,787,870	\$2,012,741	\$1,890,000	\$88,687,684
							AVAILABLE FUNDS:			\$10,174,901	\$3,211,229	\$2,973,359	\$1,985,489	\$52,748	(\$1,837,252)
							Total of supporting sheets			10,174,901	3,211,229	2,973,359	1,985,489	52,748	(\$1,837,252)

- Timing Changes
 - New projects or dollar changes
 * - Pending Grant, Donation or IGA

POTENTIAL UNFUNDED CAPITAL IMPROVEMENT PROJECTS

January 28, 2016

The following is a list of potential unfunded projects to consider for possible future inclusion into the 5-year Capital Improvement Plan.

This list was developed during the FY 2015/2016 budget discussions and proposed changes are a result of discussions in Committee and with staff, and requests from the community over the past year.

ADDITIONAL PUBLIC ACCESS PROJECTS TO CONSIDER:

DESCRIPTION	ESTIMATED PROJECT COSTS	ESTIMATED ANNUAL OPERATING COSTS
Chain O' Lakes Bike Path	\$ 1,650,000	\$ 13,500
Dutch Gap Area Master Plan	TBD	TBD
Fort Sheridan-Phase II Master Plan Improvements	860,000	1,500
Fox River Addition (north of Roberts Road)	1,200,000	50,000
Grand Illinois Trail-Singing Hills to McHenry County	TBD	TBD
Middlefork Trail and Greenway	TBD	TBD
Mill Creek Master Plan	TBD	TBD
Millennium Trail-McDonald Woods to Raven Glen	TBD	TBD
Millennium Trail-Ethel's Woods to Pine Dunes	3,700,000	45,000
Millennium Trail-Round Lake Section	TBD	TBD
Ryerson Bridge Connection-Linking Ryerson to DPR Trail	1,500,000	1,500
Sedge Meadow - Rebuild Canoe Launch	300,000	Minimal Impacts
Tanager Kames - Parking Lot	25,000	10,000
Waukegan Savanna Master Plan - Phase II	2,700,000-7,700,000	120,000
TOTAL	\$ 11,635,000-16,635,000	\$ 241,500

ADDITIONAL HABITAT RESTORATION PROJECTS TO CONSIDER:

DESCRIPTION	ESTIMATED PROJECT COSTS	ESTIMATED ANNUAL OPERATING COSTS
Ethel's Woods - Full Dam Removal (if combined w/ Phase II Rest.)	\$ 605,000	\$ Minimal Impacts
Gander Mountain - Habitat Restoration	850,000	18,000
Lakewood SW - Wauconda Bog Area Habitat Restoration	200,000	8,000
Lakewood NW - Broberg Marsh Phase II Restoration	200,000	9,500
Lakewood SW - Schreiber Bog Phase II Restoration	500,000	8,000
Ray Lake (requires acquisition)	TBD	TBD
Sun Lake - Phase II Habitat Restoration	2,800,000	12,000
Upper DPR - USACE Phase II Ecosystem Restoration	3,000,000	106,000
Van Patten Woods - Prairie, Woodland and Wetland Restoration	650,000	9,000
Wadsworth Savanna - Habitat Restoration	850,000	25,000
TOTAL	\$ 6,855,000	\$ 183,500

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