



LAKE COUNTY FOREST PRESERVES
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Preservation, Restoration, Education and Recreation

DATE: January 29, 2015

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, Conservation and Development

SUBJECT: Changes to the 5-Year Capital Improvement Plan (CIP)

RECOMMENDATION: Review the proposed changes to the 5-Year CIP, and forward for other Committees to review as part of the FY 2015-2016 budget process.

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) Ethel's Woods- North Mill Creek Restoration – (\$500,000). The District was notified in June 2014 that this project was awarded a Section 319 grant from the Illinois Environmental Protection Agency to support the restoration of Rasmussen Lake and nearly one mile of North Mill Creek. Phase I construction began in fall 2014 with Phase II to follow in FY2016-17. The project budget can be reduced due to this funding assistance.
- 2) Ethel's Woods Public Access - \$100,000. As part of the requirements of the land acquisition OLT grant received for the purchase of Ethel's Woods Forest Preserve, public access improvements are needed including a new entrance, parking lot, restroom, one mile of trail and two scenic overlooks. Further refinement of the cost estimate has identified that additional funding is needed for the construction associated with this project.
- 3) Everett Road Trail Connection - \$300,000. As final engineering progresses for the proposed trail connection, 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 spring 2016.
- 4) General Offices – Build Out/Miscellaneous Infrastructure - \$3,750,000. The District was notified in June 2014 that this project was awarded funding assistance through the Illinois Department of Natural Resources Public Museum Capital Grant Program in the amount of \$750,000. After the completion of more detailed design and engineering plans, a more accurate cost estimate has been developed identifying that additional funding is needed to complete the relocation of the entire Lake County Discovery Museum archives and collections to the General Offices. In addition to the Grant funding and the \$700,000.00 that is presently budgeted, it is recommended that the remainder of the required

- additional funds be allocated in the following manner: \$659,928.00 from the General Fund, \$340,072.00 from the Capital Facilities Improvement Fund and \$1,300,000.00 from the Endowment Fund. Construction is anticipated to begin in June 2015.
- 5) Gilmer Road Crossing – \$60,000. This project is part of the Fort Hill Trail extension providing an important connection linking together Lakewood and Ray Lake Forest Preserves and was partially funded through the Illinois Transportation Enhancement Program (ITEP) administered through IDOT. The project was complete and opened to the public in June 2012. As part of IDOT’s project closeout procedures, a more accurate cost estimate has been developed identifying that additional funding is needed to fulfill the District’s local share requirement.
 - 6) Grassy Lake Improvements (Hurd Property) - \$500,000. Due to higher than expected bid results, approximately \$330,000 of restoration work was removed from the original project scope. In order to complete the original project scope and Phase II restoration of the site, additional funding is needed. Phase I public access improvements are scheduled to open in fall 2015 and it is anticipated that Phase II restoration will begin in winter 2015-16.
 - 7) Hastings Lake – (\$400,000). This project will be completed in May 2014 and the project budget can be reduced due to the funding received from the OSLAD grant.
 - 8) Lyons Woods to Waukegan Savanna Trail Connection - \$950,000. The District is partnering with the City of Waukegan, Waukegan Park District and Waukegan Township Highway Department on this project which has been identified as a strong candidate for federal funding through either the CMAQ or TAP programs administered through IDOT. Additional funding is needed for Phase II engineering and for the local share of the construction costs. CMAQ applications are due on March 28, 2015.
 - 9) Millennium Trail – Wilson Road Crossing – \$525,000. The District was notified in January 2014 that this project had been approved for funding assistance through the Transportation Alternatives Program (TAP) administered through IDOT. Consequently, as part of the approved CIP adjustments completed last year, the District removed \$1,914,766 from the project budget for this fiscal year. Due to higher than expected bid costs, additional funding is needed to complete the construction of the underpass and trail connection. The project is currently under construction and is scheduled for completion in late 2015.
 - 10) Millennium Trail – Rollins Road Crossing – (\$154,492). The District received federal funding assistance for this project through the Illinois Transportation Enhancement Program (ITEP) administered by IDOT. The project was completed and opened to the public in the fall 2014. 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.
 - 11) Millennium Trail – Grand Avenue Crossing - \$75,000. The District received federal funding assistance for this project through the ITEP program administered by IDOT. The project was completed and opened to the public in August 2013. As part of IDOT’s project closeout procedures, a more accurate cost estimate has been developed identifying that additional funding is needed to fulfill the District’s local share requirement.
 - 12) Millennium Trail – Route 45 Tunnel (Ethel’s Woods) – \$50,000. This project has been identified as a good candidate for federal funding assistance through either the CMAQ or TAP programs administered through IDOT. In anticipation of receiving funding assistance and the possibility of combining this project with the Ethel’s Woods Public Access project, additional funding is needed for the local share of the construction costs. It is anticipated that the District will apply for funding assistance in the 2016 grant cycle.
 - 13) Millennium Trail - Van Patten Woods Connection - \$275,000. The District is partnering with the Lake County Division of Transportation (LCDOT) to extend the Millennium Trail along Russell Road from old Route 41 east to the Van Patten Woods entrance and the Des Plaines River Trail. After more detailed engineering and refinement of the plans as required by LCDOT, it has been determined that additional funding is needed for this project.
 - 14) Nippersink Trail Connection – (\$83,516). Phase I of this project was completed in July 2013 and the budget can be reduced due to excellent bid prices and construction management. The District is partnering with the LCDOT on Phase II of the project which includes a 0.75-mile trail connection from the existing preserve trails to Cedar Lake Road. Implementation of Phase II is being coordinated with

- LCDOT's planned Cedar Lake Road improvements which are currently scheduled for FY2017-18.
- 15) Spring Bluff Wildlife Observation Area – (\$263,700). The District was notified January 4, 2015 that this project was approved for funding assistance as part of the State's Open Space Lands Acquisition and Development (OSLAD) grant program. The project budget can be reduced due to this funding assistance.
 - 16) Wright Woods/MacArthur Woods – Dam Removal - \$50,000. Due to complications during construction, the existing contract to remove two low-head dams on the Des Plaines River was terminated. After revising the construction plans, an updated cost estimate has been prepared identifying that additional funding is needed accommodate the additional scope of work identified during the initial construction.

Projects recommended to be funded or added to the CIP:

- 1) Grant Woods Restoration - \$600,000. 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 Fen Nature Preserve area. Estimated annual operating cost is \$6,000.00.
- 2) Heron Creek - IL. Route 22 Trail Connection – \$20,000. The District has been working with the Illinois Department of Transportation (IDOT) regarding their planned improvements to Route 22 which includes the construction of a shared-use path on the south side of Route 22 that will provide an important connection linking together Egret Marsh and Heron Creek Forest Preserves. As part of IDOT's improvements, a 350' section of trail will be constructed connecting the proposed shared-use path to the existing trail at Heron Creek. The District will be required to cover the local share cost for the engineering and construction of this short trail section. Construction is anticipated to begin in FY2016-17. Estimated annual operating cost is \$600.00.
- 3) Lakewood Tree Planting & Restoration - \$500,000. 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. As the District gets closer to implementing the restoration and tree planting near the intersection, it is important that we establish a separate line item in the CIP. The restoration and tree planting is scheduled to occur in FY2015-16 and FY2016-17. Minimal impacts to the annual operating costs.
- 4) Millennium Trail – McDonald Woods to Route 45 - \$185,000. As part of the planned Millennium Trail extension connecting McDonald Woods, Raven Glen and Ethel's Woods Forest Preserves, the District is partnering with the Illinois Department of Transportation (IDOT) to incorporate a shared-use path within the planned Millburn Bypass and Illinois Route 45 improvements. Funding is needed for the engineering and construction of a 0.20-mile trail connection from the existing McDonald Woods preserve trails east to Route 45. Construction is anticipated to begin in FY2017-18. Estimated annual operating cost is \$1,800.00.
- 5) Singing Hills/Kettle Grove Restoration - \$500,000. In 2013 and 2014, the Preservation Foundation received two private donations totaling \$500,000 to fund a high priority habitat restoration project(s) throughout the District. Staff recommends directing these funds to support restoration at Singing Hills and Kettle Grove Forest Preserves. The work at Singing Hills will occur across 700 acres and will focus on restoration of a portion of Monahan Lake and a Calcareous Fen. The work at Kettle Grove will occur across 248 acres and will focus on restoration of Sargent Marsh and the surrounding oak woodlands. Estimated annual operating cost is \$9,000.00.

REASON FOR RECOMMENDATION: Committee approval is required in accordance with District policy.

REVIEW BY OTHERS: Executive Director, Director of Finance, Director of Operations and Public Safety

FINANCIAL DATA: As noted in background and on spreadsheet.

PRESENTER: Randall L. Seebach

POTENTIAL UNFUNDED CAPITAL IMPROVEMENT PROJECTS

January 29, 2015

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 over the past year through discussions in Committee, with staff and requests from the Community

ADDITIONAL PUBLIC ACCESS PROJECTS TO CONSIDER:

DESCRIPTION	ESTIMATED PROJECT COSTS	ESTIMATED ANNUAL OPERATING COSTS
Chain O' Lakes Bike Path	\$ TBD	\$ TBD
Dutch Gap Area Master Plan	TBD	TBD
Fox River Addition (north of Roberts Road)	1,200,000	50,000
Grand Illinois Trail-Singing Hills to McHenry County	TBD	Minimal Impacts
Grant Woods – Evaporator Toilet (Rollins Road parking lot)	50,000	12,000
Independence Grove – Playground Shade Structure & Tot Swing	40,000	Minimal Impacts
Middlefork Trail and Greenway	TBD	TBD
Mill Creek Master Plan	TBD	TBD
Millennium Trail-Bonner Road/Gilmer Road Parking Lot	100,000-150,000	20,000
Raven Glen Phase III – Completion of Trail Loop as per Master Plan	1,000,000	6,700
Ryerson Bridge Connection – Linking Ryerson to the DPR Trail	1,500,000	1,500
Ryerson Woods Master Plan – Phase II	TBD	TBD
Sedge Meadow – Rebuild Canoe Launch	300,000	Minimal Impacts
Tanager Kames – Parking Lot	25,000	10,000
Van Patten Woods – Equestrian & Public Parking Expansion	300,000	Minimal Impacts
Waukegan Savanna Master Plan – Phase II	2,000,000-4,000,000	120,000
TOTAL	\$ 8,565,000	\$ 220,200

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.)	\$ 500,000	\$ Minimal Impacts
Gander Mountain – Habitat Restoration	1,750,000	18,000
Lakewood SW – Wauconda Bog Area Habitat Restoration	2,000,000	8,000
Ray Lake (requires acquisition)	2,500,000	12,000
Sun Lake – Phase II Habitat Restoration	2,800,000	12,000
Van Patten Woods – Restoration of Farm Fields south of Russell Rd.	2,650,000	9,000
Wadsworth Savanna – Habitat Restoration	1,800,000	25,000
TOTAL	\$ 14,000,000	\$ 84,000

ADDITIONAL PRESERVE MAINTENANCE PROJECTS TO CONSIDER:

DESCRIPTION	ESTIMATED PROJECT COSTS	ESTIMATED ANNUAL OPERATING COSTS
Bonner Farm Building Stabilization – Phase II	\$ 700,000	\$ Minimal-unless open to public

Lake County Forest Preserve District Five-Year Capital Improvement Plan

Project No.	A DRAFT - 1/29/2015 Source of Funds	B ESTIMATED Project Total	C Grant/Donation/ Inter Gov/ Endowment/Funding	D Prior Year(s) Expense	E Budget 2014/15	F Estimated 2014/15	Five Year Funding Requirement						N Total Funding	
							FY 2015/16							
							G Carry Forward	H New Funding	I Budget 2015/16	J FY 2016/17	K FY 2017/18	L FY 2018/19		M FY 2019/20
	Development Levy Funds						\$1,974,069	\$1,700,000	\$3,674,069	\$1,895,000	\$1,380,000	\$1,200,000	\$0	
	Development Bond Funds						3,829,886	17,000,000	20,829,886	0	0	0	0	
	Limited Bonds								0	0	0	0	3,500,000	
	Interest Income on Bond Funds							11,050	11,050	0	0	0	0	
	General & Other Funds						3,621,182	1,300,000	4,921,182	2,160,000	1,780,000	1,410,000	0	
	IDOT Easement / Tree Fees						703,973	0	703,973	0	0	250,000	0	
	Preservation Foundation & Donations							576,600	576,600	520,000	270,000	0	0	
	Grants						250,600	342,500	593,100	0	0	0	0	
	Ongoing Capital Improvements													
60004	Habitat Restoration			\$7,315,459	943,036	943,036	-	500,000	500,000	500,000	500,000	500,000	500,000	\$10,758,495
60010	Preserve Tree Planting (includes IDOT funding)		910,000	1,178,481	445,005	445,005	-	225,000	225,000	183,602	50,000	50,000	50,000	\$2,182,088
60009	Repair Existing Roads/Parking			2,959,729	1,319,823	1,176,823	143,000	600,000	743,000	600,000	600,000	600,000	600,000	\$7,279,552
60015	Trail Signage and Benches		10,000	158,685	15,000	15,000	-	15,000	15,000	15,000	15,000	15,000	15,000	\$248,685
60016	Property Fencing			89,429	50,000	40,000	-	50,000	50,000	50,000	50,000	50,000	50,000	\$379,429
60018	Preserve Restrooms/Replacements			374,089	313,651	313,651	-	-	-	-	-	-	-	\$687,740
60025	Dog Area Accessibility Improvements			0	50,000	-	50,000	50,000	100,000	50,000	-	-	-	\$150,000
60022	Facility and Infrastructure Improvements			0	-	-	-	500,000	500,000	500,000	500,000	500,000	500,000	\$2,500,000
	Project													
64710	Buffalo Creek Phase - MWRD Restoration	\$270,377	3,300,000	147,895	22,482	22,482	-	-	-	100,000	-	-	-	\$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	-	25,000	-	25,000	-	-	-	-	\$25,000
64104	Cuba Marsh Habitat Restoration	650,000		0	350,000	350,000	-	150,000	150,000	150,000	-	-	-	\$650,000
63302	DPR Trail - Ryerson North	1,360,020		655,930	704,090	604,090	100,000	-	100,000	-	-	-	-	\$1,360,020
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
63910	Ethel's Woods-N. Mill Creek Restoration	5,842,438	500,000	1,424,843	1,658,501	1,468,886	189,615	247,400	437,015	2,513,400	172,400	47,400	47,400	\$6,111,344
63901	Ethel's Woods Public Access	800,000		0	-	-	-	-	-	-	800,000	-	-	\$800,000
65101	Everett Road Trail Connection	1,650,000	*	0	150,000	150,000	-	1,500,000	1,500,000	-	-	-	-	\$1,650,000
60406	Fort Sheridan - USACE GLFER Restoration	2,600,000	*	0	2,600,000	2,600,000	-	-	-	-	-	-	-	\$2,600,000
60420	Fort Sheridan Preserve	TBD		8,448,813	262,603	9,458	253,146	-	253,146	2,690,000	-	-	-	\$11,401,416
64810	Fox River Addition	4,000,000		288,288	580,954	580,954	-	-	-	-	-	-	-	\$869,242
61811	General Offices - Build Out/Misc. Infrastructure	TBD	2,050,000	4,380,879	907,321	907,321	3,473,558	-	3,473,558	-	-	-	-	\$4,380,879
64603	Gilmer Road Crossing	969,960	1,485,838	888,459	142,502	142,502	-	-	-	-	-	-	-	\$1,030,961
	Grant Woods Restoration	600,000	600,000	0	-	-	-	300,000	300,000	150,000	150,000	-	-	600,000
64703	Grass Lake Road Tunnel	200,000		8,671	191,329	138,168	53,161	-	53,161	-	-	-	-	\$200,000
60701	Grassy Lake Improvements (Hurd property)	3,025,000	*	109,000	212,011	2,312,989	30,000	500,000	530,000	-	-	-	-	\$3,025,000
	Heron Creek - IL Route 22 Connection	TBD		0	-	-	-	-	-	20,000	-	-	-	\$20,000
64301	Heron Creek Phase II - Trail Addition	650,000		0	-	-	-	-	-	-	50,000	600,000	-	\$650,000
63610	Lake Carina - DPR Trail Bridge Connection	1,820,000	*	0	170,000	170,000	-	1,650,000	1,650,000	-	-	-	-	\$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		0	60,000	60,000	-	-	-	-	-	-	-	\$60,000
61020	Lakewood Forest Preserve	TBD		923,055	2,687,165	-	-	400,000	400,000	2,267,798	1,603,500	-	-	\$5,194,353
	Lakewood - Tree Planting & Restoration	500,000	500,000	0	250,000	-	250,000	-	250,000	250,000	-	-	-	500,000
61006	Lakewood Habitat Restoration - Broberg Marsh	450,000		0	250,000	240,000	10,000	112,000	122,000	88,000	-	-	-	\$450,000
61005	Lakewood Habitat Restoration - Schreiber Bog	900,000		0	300,000	158,416	141,584	300,000	441,584	300,000	-	-	-	\$900,000
63010	Lyons Woods Trail Connection	1,030,000	*	15,000	80,000	80,000	-	200,000	200,000	750,000	-	-	-	\$1,030,000
61101	Middlefork Savanna Trail Connection	950,000	*	8,376	79,732	917,799	316,840	600,959	600,959	-	-	-	-	\$997,531
63214	Millennium Trail - Wilson Road Crossing	1,860,234	2,267,674	290,284	1,044,950	517,757	527,193	525,000	1,052,193	-	-	-	-	\$1,860,234
61314	Millennium Trail - Rollins Road Crossing	1,480,223	2,113,526	698,769	626,961	626,961	-	-	-	-	-	-	-	\$1,325,730
63714	Millennium Trail - Grand Ave Crossing	1,367,126	2,258,727	1,076,730	201,145	201,145	-	-	-	-	-	-	-	\$1,277,875
	Millennium Trail - Rte 45 Tunnel (Ethel's Woods)	3,250,000	*	0	-	-	-	250,000	250,000	250,000	200,000	-	-	\$700,000
65203	Millennium Trail - Rte 173	30,000		0	30,000	30,000	-	-	-	-	-	-	-	\$30,000
61303	Millennium Trail - Rte 83 & Rollins Road	70,000		35,054	5,000	5,000	-	-	-	-	-	-	-	\$40,054
61603	Millennium Trail - Van Patten Woods Connection	1,010,000		25,318	625,371	-	625,371	359,311	984,682	-	-	-	-	\$1,010,000
	Millennium Trail - McDonalds Woods to RTE 45	TBD		0	-	-	-	-	-	35,000	150,000	-	-	185,000
63801	Nippersink Trail Connection	1,022,170		518,114	-	-	-	-	-	-	400,000	-	-	\$918,114
64201	Pines Dunes - SMD	75,000	9,200,000	0	75,000	75,000	-	-	-	-	-	-	-	\$75,000
62001	Ray Lake - Fort Hill Trail Extension	650,000		0	-	-	-	-	-	-	650,000	-	-	\$650,000
	Rollins Savanna - Trail Connection	400,000		0	-	-	-	-	-	75,000	275,000	-	-	\$350,000
	Singing Hills/Kettle Grove Restoration	500,000	**	0	-	-	-	260,000	260,000	120,000	120,000	-	-	\$500,000
64811	Spring Bluff Wildlife Observation Area	600,000	262,500	0	75,000	-	75,000	525,000	600,000	-	-	-	-	\$600,000
65004	Southern DPR Preserve Habitat Restoration	3,000,000		942,805	686,718	686,718	-	620,640	620,640	339,920	186,440	223,477	-	\$3,000,000
	Upper DPR - USACE Phase II Ecosystem Restoration	TBD	*	0	-	-	-	-	-	3,000,000	-	-	-	\$3,000,000
64610	Waukegan Savanna - Phase I	1,700,000		0	150,000	150,000	-	1,000,000	1,000,000	550,000	-	-	-	\$1,700,000
	Wright Woods/MacArthur Woods Dam Removal	800,000	750,000	70,086	729,914	729,914	-	-	-	-	-	-	-	\$800,000
		\$54,615,553	\$26,340,641	\$36,702,448	25,856,382	16,292,641	6,882,187	10,939,351	17,821,538	\$15,547,720	\$5,877,340	\$2,685,877	\$2,362,400	\$97,289,963

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

AVAILABLE FUNDS: \$13,488,321 \$2,515,601 \$68,261 \$242,384 \$1,379,984
 Total of supporting sheets 13,488,321 2,515,601 68,261 242,384 1,379,984