



**Lake County Forest Preserve District  
Capital Improvement Plan  
Projects Status Report**

**December 31, 2017**

Project No.	Project Name	Status of Project
<b>ONGOING CAPITAL IMPROVEMENTS</b>		
60004	General Habitat Restoration	Funding for on-going restoration improvements, ecological management and natural resource assessments of wildlife populations and habitats. This fiscal year (FY 2017/18) restoration efforts were implemented at Ethel’s Woods, Middlefork Savanna, Rollins Savanna, Van Patten and Wadsworth Savanna. Restoration work includes the removal of invasive woody vegetation and the purchase of native seed. Seed was installed in fall 2017.
60010	Preserve Tree Planting	In spring, summer and fall 2017, approximately 100 trees and 150 shrubs were planted or replaced at various forest preserves, including Grant Woods, Grassy Lake, Half Day, Heron Creek, Independence Grove, Lyons Woods, McDonald Woods and Raven Glen.
60008	District-Wide Reforestation	In fall 2017, 641 native trees and 3,082 native shrubs were installed for habitat restoration across 154.5 acres at Rollins Savanna, Marl Flat, Gander Mountain, and Lakewood. In 2018, it is anticipated that 943 trees and 2,141 shrubs will be installed at Grassy Lake, Van Patten Woods, Ray Lake, Lyons Woods, Captain Daniel Wright Woods (Lloyd’s Woods), and Lakewood.
60009	Repair of Existing Roads/Parking	2017 maintenance work including minor patching at the General Offices. An engineering contract was issued in 2017 for major pavement improvements at Rollins Savanna. The Rollins Savanna’s Washington Street parking lot and seed nursery area will be repaved in 2018. Contractual pavement maintenance will occur in fall 2018 at various sites, including patching and pavement markings of roads and parking lots.
60022	Facility and Infrastructure Improvements	Based on the information from the 2014 District Wide Facility Assessment of over 90 existing buildings, and direction received from the District’s Standing Committees, several projects were completed in 2017 including: a new HVAC system at Independence Grove Visitor Center, replacement of the HVAC system in the original section of the Greenbelt Cultural Center and replacement of a portion of the air conditioning systems at the General Offices. Several projects have been identified for 2018/19. These include planning for and replacement of the flat roof section of the Visitor Center at Independence Grove, exterior restoration to the Stevenson House and Service Building, Brushwood roof replacement at Ryerson, building upgrades at Fox River, building upgrades at Independence Grove and Old School, and maintenance shop improvements at Van Patten Woods.



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**PUBLIC ACCESS / MISCELLANEOUS PROJECTS**

64701	Buffalo Creek – LCDOT Mitigation Bank Trail	In April 2000, the District and the County of Lake executed an IGA that allowed the LCDOT to design and construct a wetland mitigation bank on District property for use by LCDOT for their road and transportation needs. In 2009, LCDOT approached the District and requested permission to investigate the western end of Buffalo Creek as a feasible wetland bank site. In October 2016, the District and the County of Lake executed a new Intergovernmental and License Agreement that will allow for the construction of the wetland bank the expansion of hiking and biking trails at Buffalo Creek. Construction began in the fall 2017, anticipated completion of the trails is late summer 2018, and the wetland establishment is subject to a five-year maintenance and monitoring period before final signoff by the USACE.
64710	Buffalo Creek – MWRD Restoration	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 (MWRD) for expansion of the existing reservoir to provide an additional 184 acre/feet of flood storage and completion of the District’s planned public access improvements. The District approved the IGA in June 2016 and as a result the District is set to receive approximately \$3.5 million in public access and restoration improvements in exchange for allowing the expansion of the west basin of the existing reservoir. Construction is tentatively scheduled to begin in spring 2018.
60025	Duck Farm Dog Exercise Area Accessibility Improvements	A preliminary evaluation of accessibility deficiencies at the existing Dog Exercise Areas was conducted in 2015 and will be further refined in winter 2017/18. The Duck Farm DEA was identified as a priority to coordinate with IDOT’s planned re-alignment of the parking lot entrance. Engineering will occur in spring 2018 with construction to follow in fall 2018.
60301	Duck Farm Munn Road Access	IDOT’s planned improvements to IL Route 132 (Grand Ave.) include a shared use path along the north side of the road connecting the Duck Farm to the Millennium Trail at Fourth Lake. Neighborhoods along the way will be connected to the shared-use path, including a Lindenhurst Park District connection north to Hastings Lake. The project will also include the relocation of the Duck Farm Dog Exercise Area entrance to align with the signalized intersection at Munn Road. IDOT currently has the project scheduled for a June 2018 letting.



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63901	Ethel's Woods Public Access	The Ethel's Woods property was purchased with a State grant from the Open Lands Trust Fund. This grant requires public access improvements including a parking lot, restroom and trails. Due to the need to coordinate this project with the Rasmussen Lake restoration, the District requested and received approval for an extension until 2019 to complete construction. Engineering began in May 2017 with construction anticipated to begin in spring 2018.
65101	Everett Road Trail Connection	This proposed trail will connect Captain Daniel Wright Woods to the roundabout at Everett and Riverwoods Roads. Completion of this trail will link the existing Village of Riverwoods' bike paths (to the east and south) to Captain Daniel Wright Woods and the DPR Trail. Engineering began in late summer 2014. A grant application was filed with the IDNR in early 2014 for a potential \$200,000 Illinois Bike Path Grant. The District received notice in August 2015 that all funding through IDNR's Bike Path program will not be moving forward due to the State's fiscal constraints. The project was split into two phases to coincide with LCDOT's planned road improvements. The District completed the first phase in July 2017 and the second phase will be completed by LCDOT in fall 2018.
60420	Fort Sheridan Preserve	The final Master Plan was approved by District Board in November 2015. Construction began in June 2017 with an anticipated completion in June 2018 for all work except the grass trail. To allow for proper grow-in of the turf, the anticipated opening of the grass trail is June 2019.
61811	General Offices – Build Out /Misc. Infrastructure	Renovation of the lower level of the General Offices to accommodate the storage of the Museum collections was completed and the Museum staff has completed the re-location of the collections from Lakewood to the new storage space. Construction on the Museum exhibit space on the first floor has been completed and the new Museum is scheduled to re-open in March 2018. Efforts are still on-going to provide space for potential tenant(s) on the second floor of the General Offices.
60618	Grant Woods South Restroom	The District has received several requests from the community for a restroom facility on the south end of Grant Woods Forest Preserve at the Rollins Road trailhead. The proposed new evaporator toilet will also serve a portion of the Chain O'Lakes Bike Path and the Long Lake cartop-only boat launch. The installation of the new restroom was completed and open for public use in September 2017.



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64703	Grass Lake Road Tunnel	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 Millburn West Middle School. District has agreed to allow a portion of the tunnel on District property and to contribute up to \$200,000 towards the project if grant funding doesn't cover all of the construction cost. The project was awarded a CMAQ funding and work began in August 2013. The project was completed and opened to the public in October 2015. The District is awaiting final billing and close-out by IDOT.
60701	Grassy Lake Improvements (Hurd property)	This project includes the construction of approximately 1.5-miles of gravel trail, 1-mile of mowed grass trail, a 24-car parking lot and restroom. Construction began in August 2014, and the public access improvements were completed and open to the public in October 2015. Outside private funding is currently being sought through the Preservation Foundation for restoration work and the educational interpretation features of the project. The habitat restoration work and follow up maintenance and monitoring will continue through 2017/18.
64301	Heron Creek – IL. Route 22 Connection	The District has been working with IDOT regarding their planned improvements to IL Route 22 which includes the construction of a shared-use path on the south side of IL Route 22 that will provide an important connection linking together Egret Marsh and Heron Creek. The District is required to cover the local share costs for a 350-ft. section of trail connecting the shared-use path to the existing trails at Heron Creek. Execution of an IGA is expected in 2018 with construction in FY2018/19.
61911	Kilowatt Hour Reduction	During the 2017/18 Fiscal Year budget process, the project description was changed from “Operation Facility-Solar Panels” to “Kilowatt Hour Reduction” to provide flexibility and leverage opportunities to achieve the objective. There were 18 structures totaling 112,143 square feet removed in 2016 through 2017. The museum operations were consolidated to the General Offices creating efficiency through utilization. The Future Energy Jobs Bill has been monitored for opportunities to receive incentives for the installation of a potential solar array at the Operations and Public Safety Facility. The potential replacement of the Lakewood maintenance building with a new energy efficient building as part of the Lakewood Master Plan is being studied and could provide a measureable return on investment for long term sustainability and kilowatt hour reduction.



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Lake County Destination	To position the District to think about a Destination, there have been a number of projects in motion that will help to bring focus to the mission. The museum move is nearly complete and the collection and archives are safely stored in the basement of the General Offices. The ‘forever’ buildings have been identified, and the District is working toward reducing its square footage, as well as right-sizing infrastructure. The Green Infrastructure Model is complete and can be used to make strategic decisions on the landscape.
61020 Lakewood Forest Preserve	Major trail, tunnel crossings and main entrance improvements were completed in 2012 as part of LCDOT’s Fairfield Road and IL Route 176 Intersection Improvement project. Additional stormwater management facilities were constructed in 2013. The new Master Plan for Lakewood began in 2017. Initial data collection on the existing buildings, parking lot use and future needs is nearing completion. Two different architects have completed an analysis of the existing buildings to identify possible historic significance and re-use opportunities. A summer 2018 public open house is planned, and Board approval of the final plan is expected in October 2018.
63010 Lyons Woods Trail Connection	In 2010, the District completed the Waukegan Savanna Master Plan that included a regional trail connecting Lyons Woods and Waukegan Savanna to the Des Plaines River Trail. Phase I engineering began in fall 2014 for a 2.4-mile section of the proposed trail from Lyons Woods to Green Bay Road. 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. Construction began on the IDOT-led project that began in May 2017, and the project is 85 % complete. Final landscaping and signage will occur in the spring 2018 followed by a summer 2018 public opening.
61101 Middlefork Savanna Trail Connection	This project is part of an overall effort to connect the Middlefork Trail and Greenway to the Des Plaines River Trail and represents a partnership between the District, City of Lake Forest, 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. Construction began in early spring 2017 and was opened to the public in November 2017. The project is 95% complete with final landscaping and signage to in spring 2018.
63714 Millennium Trail – Grand Avenue Crossing	District received Federal ITEP funding through IDOT for this project which covers 80% of the project cost. Work began on the underpass in July 2012 and was completed and opened to the public in August 2013. Final IDOT closeout was completed in May 2017.



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<p>Millennium Trail – McDonald Woods to Route 45</p>	<p>As part of the planned Millennium Trail extension connecting McDonald Woods, Raven Glen and Ethel’s Woods, the District is partnering with IDOT to incorporate a shared-use path within the planned Millburn bypass and U.S. Route 45 improvement project. The District is responsible for the construction of a 0.2 mile trail connection from the existing trails at McDonald Woods east to U.S. Route 45. IDOT has completed final engineering on the bypass and has targeted a March 2017 letting. Engineering on the District’s connection is scheduled to begin in the fall 2018 with construction to follow in 2019.</p>
<p>61314 Millennium Trail – Rollins Road Crossing</p>	<p>Engineering contract awarded by Board in November 2009 for crossing project. District received Federal ITEP funding through IDOT, which covers 80% of the project cost. Construction began in August 2013. The project is complete and was opened to the public in fall 2014. The District recently received the final billing from IDOT and final closeout will occur in early January 2018.</p>
<p>65203 Millennium Trail – Route 173</p>	<p>The District’s Board approved an IGA with IDOT in September 2013 authorizing IDOT to include the construction of a multi-use path along the north side of IL 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. Work was completed in 2014. Currently awaiting IDOT’s final billing and closeout.</p>
<p>Millennium Trail – Route 45 Tunnel (Ethel’s Woods)</p>	<p>The extension of the Millennium Trail north from McDonald Woods will require an underpass to provide a safe crossing of U.S. Route 45. It is anticipated that the underpass will be located just north of Miller Road and will provide the added benefit of connecting Raven Glen and Ethel’s Woods. This project has been identified as a strong candidate for federal funding assistance requiring a Phase I engineering study. Phase I engineering began in August 2017 with an anticipated completion in spring 2018. Additional CIP funding is needed for Phase II engineering, to apply for federal funding and to fund the local share of construction if the funding is awarded. It is anticipated that applications for CMAQ funded projects will be due in early 2019.</p>



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61603 Millennium Trail – Van Patten Woods Connection	Engineering contract awarded in November 2013 for the design of a 0.5-mile section of shared-use path along Russell Road. This new path will begin at the east boundary of Pine Dunes and continue east to the existing Des Plaines River Trail at Van Patten Woods. This project will provide a link between Pine Dunes and Van Patten Woods. 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. In March 2015, the District applied for federal funding assistance through the Regional Trails Program (RTP). In August 2016 the District was notified by IDNR that funding has been approved in the amount of \$200,000. With the exception of final landscaping and signage, approximately 95% of the project was completed in 2017. A spring 2018 public opening is anticipated.
63214 Millennium Trail – Wilson Rd. Crossing	The construction portion of the project has been awarded funding assistance through Transportation Alternatives Program (TAP) in the amount of \$2,267,674 toward construction. The project was bid by IDOT in June 2014, and work began in late summer 2014. The underpass was complete and open for public use in late October 2015. Currently awaiting IDOT’s final billing and closeout.
63801 Nippersink - LCDOT Trail Connection	The District has been in discussions with LCDOT regarding their plans to reconstruct and widen Cedar Lake Road from IL Route 120 to Nippersink Road, that will include a shared-use path to be constructed along the east side of Cedar Lake Road. LCDOT’s project has included negotiations with the District regarding additional ROW and plans for a 0.75-mile trail connection from the existing loop trail at Nippersink east to Cedar Lake Road. The District and LCDOT are coordinating the two projects as one to be built under the same contract. An IGA, that will identify the terms of the shared resources, was approved by the District Board in March 2017. Construction began in July 2017, and the work located on District property is expected to be completed in summer 2018.
North-Central Preserve Connections	Due diligence continues on the feasibility of incorporating a rustic/alternative trail system within the North Central Preserves. Given the flooding event in July of 2017, staff is continuing to monitor funding opportunities with the U.S. Army Corp of Engineers for restoration work on the North-Central Preserves.
Pine Dunes – Wildlife Conservation Facility	As part of the District’s efforts to reduce the number of facilities, plans were prepared to move the Wildlife Conservation Facility from its current location at Fourth Lake to Pine Dunes. Construction is scheduled to begin in early 2018, and will include new walls to establish interior spaces and the installation of new heating and plumbing.



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Rollins Savanna – Gurnee Trail Connection	This project includes a 0.5-mile trail extension from the existing loop trail at Rollins Savanna Forest Preserve to the intersection of Dada Drive and Illinois Route 45, and will provide a needed connection linking the Village of Gurnee trail and other unincorporated areas to Rollins Savanna and the Millennium Trail. The Village of Gurnee has agreed to complete the trail connection east of U.S. Route 45 along Knowles Road, and has scheduled this work for 2018. In October 2017, engineering began on the portion within Rollins Savanna and construction is expected to follow in 2019.
Rollins Savanna – Third Lake Trail Improvements	For several years, the Village of Third Lake has approached the District regarding the possibility of installing gravel surfacing on the existing grass trail connection to Lake Avenue. In January 2016 the District received a letter from the Village committing \$30,000 to offset the cost of the gravel surfacing. During the budget discussions for FY 2017-18, the District Board approved the project and added it to the CIP. Engineering and permitting is scheduled to occur in spring 2018 and construction will be performed by the District’s construction crew in summer 2018
Ryerson Barn – Education Classroom	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 main barn. Preliminary design concepts have been developed for the conversion of the first floor of the barn to classrooms with bathroom facilities. Project construction is scheduled for FY 2019/20 at the earliest.
64811 Spring Bluff Wildlife Observation Area	The project includes the enhancement of an existing asphalt road at Spring Bluff as a trail, and the placement of a wildlife observation platform. A grant application was filed with the IDNR in 2014 for a potential \$263,750 Open Space Lands Acquisition and Development (OSLAD) Grant. The District received a delayed notice from IDNR in fall 2016 stating that the funding has been approved for the project. During the FY 2016/17 budget discussions, the project was removed from the CIP and placed on the unfunded list of potential projects for future consideration. In September 2016 the Board directed staff to except the grant funding and restore the original funding in the CIP for FY 2017/18. Construction in the road conversion began in November 2017, and approximately 70% is complete with final paving to occur in spring 2018. Construction of the observation platform is expected to begin in spring 2018, and it is anticipated that the overall project will be completed by July 2018.





64610	Waukegan Savanna – Dog Exercise Area	<p>The Master Plan was approved by District Board in August 2010. Phase I of the plan includes the implementation of the proposed Dog Exercise Area to be located at the northeast corner of Yorkhouse and Delany Roads. Improvements include a 60-car parking lot, evaporator toilet and concrete entrance and seating areas. Original bidding was over-budget, but a second bidding in December 2016 was favorable and construction began in spring 2017. All site grading, entrance drive, parking lot, toilet and concrete walks have been completed. The shade shelters, perimeter fencing, signage and final landscaping will occur in the winter/spring 2018, and the area is expected to be open for the public and dogs in late fall 2018.</p>
<b>HABITAT RESTORATION PROJECTS</b>		
	Buffalo Creek Mitigation - Wright Woods	<p>As part of the approved IGA with the Metropolitan Water Reclamation District (MWRD), the District will receive compensation in the amount of \$400,000 for wetland restoration and enhancement at Captain Daniel Wright Woods as offsite wetland mitigation compensation due to wetland impacts associated with MWRD’s reservoir expansion project at Buffalo Creek. Pending favorable bidding, the District should receive the mitigation funds in spring 2018. This project will begin with the clearing of woody invasive trees and shrubs over a 67-acre area and the restoration of northern flatwoods during the winter of FY2018/19, followed by native seeding in fall 2019.</p>
64104	Cuba Marsh Habitat Restoration	<p>Planning began in FY 2013/14 to restore wetland, prairie and savanna habitats to enhance wildlife populations and expand remnant high-quality vegetation, with implementation starting in FY 2014/15. From 2014-2016, 188 acres of woodland, prairie and wetland were cleared of woody invasive brush and sown with native seed. In addition, 650 trees and shrubs were planted on the western side of the preserve. Restoration activities in FY2017/18 included control of invasive herbaceous and woody resprouts, the completion of a site-wide hydrologic analysis that will inform wetland restoration actions. The District is fostering and forming a new partnership between partners, including, Citizens for Conservation, the Bobolink Foundation, Great Lakes Audubon, and Friends of the Forest Preserve to work cooperatively to meet regional habitat restoration goals in the southwest portion of the county.</p>



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Dutch Gap Area – Agricultural BMPs	In 2014, the SMC hired a consultant to provide technical assistance to landowners in Lake County to promote Best Management Practices (“BMPs”) on agricultural land. SMC subsequently applied for a grant from the Illinois Environmental Protection Agency to implement proposed BMPs. The District was a partner of this grant and received funding to install 7.6 acres of grassed waterways, 6 rock checks, 2.6 acres of filter strips, and drain tile repairs. Implementing these BMPs will help filter to remove suspended sediment, nutrients, and other soluble pollutants, as well as reduce runoff volume and velocity. Work was completed in spring 2017; however, follow-up monitoring will continue through 2027 to fulfill grant requirements.
63910 Ethel’s Woods – N. Mill Creek Restoration	A contract for design, engineering and permitting for Phase II construction was executed in summer 2016. Final design was complete in early 2017 with all necessary permits secured in spring 2017. Competitive bids were accepted and a contract for construction awarded in September. Phase II construction started in fall 2017, with preliminary work completed over the winter. The bulk of new channel construction will occur in 2018, with final seeding and planting in spring 2019.
60406 Fort Sheridan – USACE GLFER Restoration	The USACE Great Lakes Fish and Ecosystem Restoration project began November 2015 with habitat restoration and removal of marine debris along the lakeshore. Ravine, lake bluff, and lakeshore stabilization work began in spring 2016, and is part of the USACE’s effort to restore ecosystems and fish habitats across the Great Lakes watershed. Jane’s Ravine stream bank stabilization measures were installed in 2017, with additional future work planned. 250,000 sedge and forb plant plugs were planted throughout the ravines and newly created sand dune habitat. 300 trees and shrubs and 30 acres of prairie seed were also planted in 2017. Ongoing control of invasive woody and herbaceous plants will continue into year three of the five-year federal project. In-water structures (reefs) are currently being designed and engineered with anticipated federal funding support.
Fourth Lake – Hepatica Restoration	With the financial support of a private donor through the Preservation Foundation, this woodland restoration will protect and expand the diverse, high-quality native plant community near the eastern shore of Fourth Lake. Invasive woody plant control will begin in winter FY 2017/18, with follow-up seeding, plug planting, and management planned for summer and fall 2018.



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60604	Grant Woods Restoration	Restoration planning began for Grant Woods FY 2014/15. Habitat improvements will enhance woodlands and shrublands in the northern portion of the preserve, north of Monaville Road. Clearing of woody invasive brush across 70 acres was completed in winter FY 2015/16. Native seeding within the 70 acres was completed in fall FY 2016/17. An additional 30 acres will be cleared in FY 2017/18, followed by seeding in fall 2018. Funding for this work is being provided by a private donor through the Preservation Foundation.
61010	Lakewood – Tree Planting & Restoration	As part of LCDOT’s Fairfield Road and IL 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. Initial clearing work took place winter 2015/16, and the first phase of tree and shrub planting in the vicinity of the new intersection took place in spring and summer 2016 and will continue through FY2020/21.
61006	Lakewood Habitat Restoration – Broberg Marsh	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 followed by native seeding in FY 2015/16. Additional invasive plant control was completed in the summer of 2016 with Phase 2 clearing of all remaining areas occurring in the winter of 2016-2017. In fall 2017, drain tiles surrounding the marsh were disabled to restore the natural hydrology to the extent possible. Minor seeding will take place during winter/spring 2018 to areas disturbed by the tile disablement.
61005	Lakewood Habitat Restoration – Schreiber Bog	Planning began for restoration of important wetland and woodland communities in FY 2013/14. Clearing of woody invasive species and native seeding has been completed across 114 acres of oak woodlands and wetland since beginning the project in FY 2014/15 and 2015/16, and a total of 1,815 native trees and shrubs have also been installed during that time. Additional clearing of 34 acres of woodland and wetland followed by native seeding will be completed in FY 2017/18, with project completion in FY 2018/19.



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61104 Middlefork Savanna – Buckthorn Pilot Project	<p>In 2015, the District began leading a partnership of multiple agencies to explore potential strategies for eradicating buckthorn, an invasive species. During summer 2017, a public survey was sent to all residences surrounding Middlefork Savanna to inquire about buckthorn on their property, as well as to investigate the public’s views on buckthorn, their home landscapes, and the value of natural areas. Analysis of the survey results are ongoing and will be presented to the partnership in 2018 in order to determine the future steps of this project. Additionally, in 2016, the District was successful in receiving grant funds from the National Fish and Wildlife Foundation’s Chi-Cal Rivers Fund grant program to address approximately 62 acres of land at Middlefork Savanna impacted by buckthorn. Work began to clear this area in the winter of 2016/2017, with completion anticipated in early 2018, followed by the installation of native seed.</p>
Oak Woodland and Ecological Complexes	<p>The Forest Preserve has been working with several partners through the Morton Arboretum’s Chicago Regional Tree Initiative to implement the Oak Ecosystem Recovery Plan. Goals in the plan include identifying restoration opportunities for 1,000-acre woodlands, increasing regeneration of oak species, reducing buckthorn densities, and encouraging restoration of urban woodland canopies in and around forest preserves, natural areas and adjacent residential areas. The Chicago Regional Trees Initiative is developing buckthorn reduction and canopy increase strategies.</p>
Prairie Wolf – Mitigation Project	<p>With funding from a private developer for off-site wetland mitigation, the District began habitat restoration in FY 2017/18 by removing invasive woody plants within a 25-acre woodland bordering the Chicago River. The area will be seeded with native grasses and forbs in fall 2018, followed by native tree and shrub and wetland plug planting.</p>
56055 Ray Lake – Cuneo Phase 1 Restoration	<p>The District has received approximately \$83,000 in grant funding from the Illinois Clean Energy Community Foundation and approximately \$70,000 of farm license revenue (over 2 years) to support site investigations and initial habitat restoration. A drain tile investigation and fish survey were completed in 2016, and detailed soil mapping was completed in fall 2017. Currently, a consultant is investigating the hydrology of the site to determine wetland restoration opportunities. Clearing of invasive woody vegetation has begun and subsequent seeding is planned for winter 2017/2018.</p>
61504 Singing Hills/Kettle Grove Restoration	<p>Restoration planning began for Kettle Grove in FY 2014/15. Habitat improvements will enhance this important wetland bird habitat and the surrounding woodland. Clearing of woody invasive brush and native seeding across 70 acres has been completed since starting the project in FY 2015/16. An additional 2.5 acres of woody invasive brush is to be cleared by in-house crews in winter FY 2017/18. Future work includes restoration of the agricultural fields, which is dependent on additional funding.</p>



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65004	Southern DPR Habitat Restoration	Since 2012, canopy thinning and removal of invasive woody brush has occurred across 1,195 acres of MacArthur Woods, Captain Daniel Wright Woods, Grainger Woods and Ryerson Conservation Area. In FY 2017/18, the final phase of canopy thinning will be completed in the dry mesic woodlands of MacArthur Woods, Captain Daniel Wright Woods and Ryerson Conservation Area. In summer 2017, the District hosted a day-long seminar of oak ecosystem restoration with researchers from around the Midwest region.
	Spring Bluff – Connecting Coastal Habitats  (Lake Plain Habitat Restoration Project)	Funded in the fall of 2017, in the amount of \$1,000,000,00, this project will restore 683 acres of wetland and upland in the Chiwaukee Prairie Illinois Beach Lake Plain, begin restoration on 66 acres of wetland and savanna within the decommissioned the Zion Nuclear Power Plant (owned by Exelon Corporation), and, in partnership with UW Parkside, will collect baseline data on the invertebrate taxa across a range of conditions (remnant, restored and degraded habitat) to understand how insect species respond to restoration. The work of this project will begin in spring 2018 and, continuing through fall 2020, will work across nine properties in Illinois and Wisconsin, eight of which are a part of the RAMSAR Wetland of International Importance. Partners include: the District, IDNR, WDNR, Village of Pleasant Prairie, Village of Winthrop Harbor, Zion Park District, Zion Solutions, Exelon Corporation, UW-Parkside, NIU, The Nature Conservancy, Chiwaukee Prairie Preservation Fund, the Friends of Illinois Beach, and Volunteer Stewards at Fossiland Park and Hosah Prairie.
	Spring Bluff – Lake Michigan Strike Team	From March 2015 through July 2017, the Lake Michigan Watershed Strike Team completed 8,920 hours of invasive plant control work across 1,315 acres targeting 27 invasive species across 23 different landowners in the Lake Michigan Watershed in Kenosha County (south of the city of Kenosha) and Lake County. Invasive plant removal by the Strike Team was highly effective at decreasing targeted invasive threats to a diverse suite of rare plant species, evidenced by declining invasive threat magnitude from pre- to post-treatment across all monitored rare plant populations. This grant funded project was completed in July 2017.
62410	Wright Woods/McArthur Woods Dam Removal	Construction was completed in fall 2016. Erosion Control Inspections were completed in spring 2017. This project has been signed off by all regulatory agencies.

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						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		FY 2026/27	
						Carry Forward	New Funding	Budget 2017/18											
<b>Source of Funds</b>																			
	Development Levy Funds					\$1,000,000	\$1,270,443	\$2,270,443	\$2,207,900	\$1,662,900	\$972,757	\$850,000	\$0						
	Development Bond Funds					9,428,791	0	9,428,791	0	0	0	0	0	0	0	0	0	0	0
	Limited Bonds						50,000	50,000	0	0	0	0	0	0	0	0	0	0	0
	Interest Income on Bond Funds																		
	General & Other Funds					982,724	499,520	1,482,244	30	10,030	525,016	525,016	1,400,000	1,400,000	1,400,000	1,400,000	1,400,000	1,400,000	
	IDOT Easement / Tree Fees						0	0	0	0	0	0	0	0	0	0	0	0	0
	Preservation Foundation & Donations						185,085	185,085	0	0	0	0	0	0	0	0	0	0	0
	Grants					0	133,700	133,700	0	0	0	0	0	0	0	0	0	0	0
<b>Ongoing Capital Improvements</b>																			
60004	Habitat Restoration			914,159	792,900	121,259	387,500	508,759	400,000	400,000	400,000	400,000	400,000	400,000	400,000	400,000	400,000	400,000	\$4,108,759
60010	Preserve Tree Planting (includes IDOT funding)PLP		910,000	156,146	156,146	-	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	\$500,000
60008	District-wide Reforestation			100,000	89,339	10,661	100,000	110,661	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	\$1,010,661
60009	Repair Existing Roads/Parking			813,708	813,708	-	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	\$5,000,000
60022	Facility and Infrastructure Improvements			824,624	824,624	-	500,000	500,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	\$3,650,000
Sub-Total				2,808,636	2,676,717	131,920	1,537,500	1,669,420	1,400,000	1,400,000	1,400,000	1,400,000	1,400,000	1,400,000	1,400,000	1,400,000	1,400,000	1,400,000	
<b>Public Access/Misc. Projects</b>																			
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	-	-	-	-	-	122,482	-	-	-	-	-	-	-	-	-	\$122,482
60025	Duck Farm Dog Exercise Area Accessibility	160,000		150,000	-	150,000	10,000	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		405,334	405,334	-	1,000,000	1,000,000	-	-	-	-	-	-	-	-	-	-	\$1,000,000
65101	Everett Road Trail Connection	1,650,000		1,516,768	1,516,768	-	-	-	-	-	-	-	-	-	-	-	-	-	\$0
60420	Fort Sheridan Preserve	2,949,668		2,949,668	2,949,668	-	-	-	-	-	-	-	-	-	-	-	-	-	\$0
61811	General Offices - Build Out/Misc. Infrastructure	1,898,204		1,898,204	1,898,204	-	-	-	-	-	-	-	-	-	-	-	-	-	\$0
60618	Grant Woods South Restrooms	50,000		50,000	50,000	-	-	-	-	-	-	-	-	-	-	-	-	-	\$0
64703	Grass Lake Road Tunnel	200,000		56,992	56,992	-	-	-	-	-	-	-	-	-	-	-	-	-	\$0
60701	Grassy Lake Improvements (Hurd property)	3,025,000		260,759	260,759	-	-	-	-	-	-	-	-	-	-	-	-	-	\$0
64301	Heron Creek - IL Route 22 Connection	20,000		20,000	-	20,000	-	20,000	-	-	-	-	-	-	-	-	-	-	\$20,000
61911	Kilowatt Hour Reduction	1,898,050		908,050	908,050	-	-	-	-	-	-	-	-	-	-	-	-	-	\$0
	Lake County Destination	TBD		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$0
61020	Lakewood Forest Preserve	4,264,950		295,440	295,440	-	3,969,506	3,969,506	-	-	-	-	-	-	-	-	-	-	\$3,969,506
63010	Lyons Woods Trail Connection	3,000,000	2,257,815	800,000	800,000	-	-	-	-	-	-	-	-	-	-	-	-	-	\$0
61101	Middlefork Savanna Trail Connection	2,800,000	2,058,196	772,156	772,156	-	-	-	-	-	-	-	-	-	-	-	-	-	\$0
63714	Millennium Trail - Grand Ave Crossing	1,367,126	2,258,727	223,362	223,362	-	-	-	-	-	-	-	-	-	-	-	-	-	\$0
61314	Millennium Trail - McDonalds Woods to RTE 45	TBD		-	-	-	-	-	185,000	-	-	-	-	-	-	-	-	-	\$185,000
65203	Millennium Trail - Rollins Road Crossing	1,480,223	2,113,526	250,000	250,000	-	-	-	-	-	-	-	-	-	-	-	-	-	\$0
	Millennium Trail - Rte 173	30,000		30,000	30,000	-	-	-	-	-	-	-	-	-	-	-	-	-	\$0
61603	Millennium Trail - Rte 45 Tunnel	4,300,000		-	-	-	75,000	75,000	-	-	-	-	-	-	-	-	-	-	\$75,000
63214	Millennium Trail - Van Patten Woods Connection	1,310,000	200,000	940,499	940,499	-	-	-	-	-	-	-	-	-	-	-	-	-	\$0
63801	Millennium Trail - Wilson Road Crossing	1,860,234	2,267,674	386,457	386,457	-	-	-	-	-	-	-	-	-	-	-	-	-	\$0
	Nippersink - LCDOT Trail Connection	1,121,228	1,111,228	-	-	-	10,000	10,000	-	-	-	-	-	-	-	-	-	-	\$10,000
	North-Central Preserve Connections	TBD		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$0
	Pine Dunes - Wildlife Conservation Facility	50,000		-	-	-	-	-	50,000	-	-	-	-	-	-	-	-	-	\$50,000
64811	Rollins Savanna - Gumee Trail Connection	350,000		-	-	-	75,000	75,000	445,000	-	-	-	-	-	-	-	-	-	\$520,000
	Rollins Savanna - Third Lake Trail Improvements	30,000	30,000	-	-	-	-	30,000	-	-	-	-	-	-	-	-	-	-	\$30,000
	Ryerson Barn - Education Classroom	175,000		-	-	-	-	-	-	175,000	-	-	-	-	-	-	-	-	\$175,000
	Spring Bluff Wildlife Observation Area	600,000	263,700	130,000	130,000	-	573,700	573,700	-	-	-	-	-	-	-	-	-	-	\$573,700
64610	Waukegan Savanna - Dog Exercise Area	2,150,000		1,534,841	1,534,841	-	-	-	-	-	-	-	-	-	-	-	-	-	\$0
Sub-Total				13,978,529	13,693,529	285,000	5,713,206	6,028,206	802,482	175,000	-	-	-	-	-	-	-	-	
<b>Habitat Restoration Projects</b>																			
64104	Buffalo Creek Mitigation - Wright Woods	\$400,000	400,000	400,000	190,000	126,000	-	126,000	84,000	-	-	-	-	-	-	-	-	-	\$210,000
56054	Cuba Marsh Habitat Restoration	650,000		316,413	244,153	72,260	-	72,260	-	-	-	-	-	-	-	-	-	-	\$72,260
	Dutch Gap Area - Agricultural BMP's	77,339	77,340	38,669	38,669	-	-	-	-	-	-	-	-	-	-	-	-	-	\$0
63910	Ethel's Woods - N. Mill Creek Restoration	6,842,438		481,636	427,770	53,866	2,613,400	2,667,266	173,000	47,400	47,400	-	-	-	-	-	-	-	\$2,935,066
60406	Fort Sheridan - USACE GLFER Restoration	7,430,000	4,830,000	909,827	21,266	888,561	-	888,561	-	-	-	-	-	-	-	-	-	-	\$888,561
	Fourth Lake - Hepatica Restoration	49,637	49,637	49,637	-	49,637	-	49,637	-	-	-	-	-	-	-	-	-	-	\$49,637
60604	Grant Woods Restoration	570,000	570,000	353,615	97,575	256,040	-	256,040	40,435	-	-	-	-	-	-	-	-	-	\$296,475
61010	Lakewood - Tree Planting & Restoration	500,000	500,000	75,500	75,500	-	75,500	-	75,500	75,357	-	-	-	-	-	-	-	-	\$301,857
61006	Lakewood Habitat Restoration - Broberg Marsh	450,000		120,533	43,789	76,744	-	76,744	-	-	-	-	-	-	-	-	-	-	\$76,744
61005	Lakewood Habitat Restoration - Schreiber Bog	900,000		410,030	360,030	50,000	-	50,000	-	-	-	-	-	-	-	-	-	-	\$50,000
61104	Middlefork - Buckthorn Pilot Project	3,250,000	174,545	174,545	174,545	-	-	-	-	-	-	-	-	-	-	-	-	-	\$0
	Oak Woodland and Ecological Complexes	TBD		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$0
	Prairie Wolf - Mitigation Project	500,000	500,000	500,000	-	500,000	-	500,000	-	-	-	-	-	-	-	-	-	-	\$500,000
56055	Ray Lake - Cuneo Phase 1 Restoration	TBD	83,404	83,404	83,404	-	105,346	105,346	-	-	-	-	-	-	-	-	-	-	\$105,346
61504	Singing Hills/Kettle Grove Restoration	475,000	475,000	332,019	234,809	97,210	-	53,790	151,000	-	-	-	-	-	-	-	-	-	\$151,000
65004	Southern DPR Preserve Habitat Restoration	3,000,000		513,283	513,283	-	257,837	257,837	-	-	-	-	-	-	-	-	-	-	\$257,837
	Spring Bluff - Coastal Habitat Restoration	160,000	80,000	80,000	80,000	-	-	-	-	-	-	-	-	-	-	-	-	-	\$0
	Spring Bluff - Lake Michigan Strike Team	582,765	397,264	198,632	198,632	-	-	-	-	-	-	-	-	-	-	-	-	-	\$0
62410	Wright Woods/MacArthur Woods Dam Removal	800,000																	