



Session 309: Funding Opportunities for Recreational Facilities

PREPARED BY ENGINEERING RESOURCE ASSOCIATES, INC.





SPEAKER BIO

John Mayer

- ▶ Owner and Principal of Engineering Resource Associates, Inc.
- ▶ Bachelor of Science in Civil Engineering from the University of Wisconsin-Milwaukee
- ▶ 31 years as a professional engineer in Illinois, Wisconsin, Indiana
- ▶ Municipal and private sector experience
- ▶ Certified Floodplain Manager
- ▶ Active with four children and one grandchild



SPEAKER BIO

Drew Kustus

- ▶ Project Manager at Engineering Resource Associates, Inc.
- ▶ Bachelor of Science in Civil Engineering from the University of Illinois at Urbana-Champaign
- ▶ Master of Science in Environmental Engineering from the University of California at Berkeley
- ▶ 7 years of private sector experience, 3 years as a professional engineer in Illinois
- ▶ Certified Floodplain Manager
- ▶ Active biker, hiker, kayaker, and gardener

Funding Opportunities for Recreational Facilities

Today's Agenda

- Overview of Funding Types
- Case Studies of Successful Projects
- Common Takeaways



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Overview of Opportunities

Possible Funding Types

- Federal
- State
- Intergovernmental
- NGO Grants
- Private Partnerships

Funding Opportunities for Recreation Facilities

Name	Application Period	Funding (Grant/Local Match)	Active?	Previous Total Funding Available	Number/Owner of Awarded Projects	Latest Application Due Date	Maximum Funding Per Project
Open Space Lands Acquisition & Development	May 1 – July 1	50/50	Yes	\$29M (2019); \$24 previously (2014)		October 1, 2018	\$750,000 for acquisition; \$400,000 for development
Park and Recreation Facility Construction Grant Program	Varies	75/25	No	\$25M (2014); \$50M (2011)		January 24, 2014	\$2.5M
Federal Recreational Trails Program (RTP)	January 1 – March 1	80/20	Yes	\$1.5M (2018); \$1.02M (2014)		March 1, 2018	\$200,000
Bike Path Grant Program	January 1 – March 1	50/50	No			March 1, 2014	200,000 for development
Boat Access Area Development	July 1 – September 1	100% for development; 90/10 for acquisition	No	\$725,000 (2014)	6 Municipalities, 1 Park District	September 1, 2013	\$200,000
Off-Highway Vehicle Recreation Program	January 1 – March 1	100%	No			March 1....	N/A
Local Government Snowmobile Program (SNOW)	January 1 – May 1	50/50 development; 90/10 acquisition	No			May 1....	

Overview of Opportunities

Federal Funding Types

- Multiple Programs
- Specific Requirements
- Various Schedules


Bicycle and Pedestrian Program


[Legislation](#)
[Funding](#)
[Guidance](#)
[Resources](#)


State Coordinator and FHWA Division Coordinator
Each State has a [Bicycle and Pedestrian Coordinator](#), and each [FHWA Division office](#) has a point of contact.

FHWA Headquarters Contact
For more information, please contact [Gary Jensen](#), 202-366-2048.

FHWA Supports:







[FHWA](#) → [Environment](#) → [Bicycle and Pedestrian Program](#) → [Funding](#)

Federal-Aid Highway Program Funding for Pedestrian and Bicycle Facilities and Programs

FY 1992 to 2018 Obligations (Millions of Dollars)
[PDF Version](#) (130KB)

FY 1992 to 2018 Obligations (Millions of Dollars)														
Year	New Projects	Total Obligations	CMAQ	CMAQ %	TA/TAP	TA/TAP %	STP TE	STP TE %	STBG/STP Other	STBG/STP Other %	SRTS/ NTPP	SRTS/ NTPP %	STP Safety/ HSIP	STP Safety/ HSIP %
2018	1,123	\$915.80	\$185.86	20.29%	\$361.38	39.46%	\$19.45	2.12%	\$212.33	23.19%	\$30.85	3.37%	\$16.54	1.81%
2017	1,205	\$970.2	\$170.5	17.58%	\$411.9	42.45%	\$39.9	4.12%	\$197.7	20.37%	\$28.5	2.94%	\$28.9	2.97%
2016	1,511	\$859.8	\$152.2	17.70%	\$306.6	35.65%	\$112.5	13.08%	\$148.4	17.25%	\$38.6	4.49%	\$15.1	1.76%
2015	1,562	\$833.7	\$118.5	14.22%	\$157.6	18.91%	\$186.4	22.36%	\$155.1	18.60%	\$83.3	9.99%	\$30.1	3.61%
2014	2,485	\$820.5	\$125.7	15.32%	\$125.4	15.29%	\$161.5	19.69%	\$128.4	15.64%	\$96.8	11.79%	\$14.9	1.82%
2013	2,424	\$676.1	\$58.8	8.70%	\$52.1	7.70%	\$205.1	30.34%	\$97.6	14.43%	\$137.3	20.33%	\$8.9	1.32%
2012	2,248	\$853.7	\$156.5	18.33%			\$293.2	34.34%	\$76.7	8.99%	\$169.3	19.83%	\$5.3	0.63%
2011	2,763	\$790.9	\$97.4	12.32%			\$265.7	33.60%	\$90.8	11.46%	\$131.0	16.57%	\$5.8	0.74%
2010	3,007	\$1,036.6	\$68.4	6.59%			\$283.1	27.31%	\$86.0	8.30%	\$117.2	11.30%	\$8.7	0.84%
2009	3,010	\$1,188.3	\$115.5	9.72%			\$292.1	24.57%	\$70.1	5.89%	\$118.2	9.94%	\$6.5	0.55%
2008	1,817	\$540.9	\$69.5	12.85%			\$249.9	46.19%	\$45.6	8.43%	\$91.2	16.86%	\$1.8	0.33%

https://www.fhwa.dot.gov/environment/bicycle_pedestrian/funding/bipedfund.cfm

Overview of Opportunities

Choosing the Right Funding

- Funded Program
- Fits Project Schedule
- Meets Project Goals
- Greatest Match



<https://gardenerspath.com/>

Overview of Opportunities

Illinois Transportation Enhancement Program (ITEP)

- 2016 Program \$30M/33 Projects
- 2018 Program \$35M/53 Projects
- 31 of 53 Projects Bike/Ped
- ONLY FOUR PARK DISTRICTS
- ONLY ONE FOREST PRESERVE

53 Projects Totaling \$35,687,690

2018 ITEP Cycle 13
Selected Project List

2:44 PM 5/4/2018

District	Sponsor	Project Title	Project Category	ITEP Award
1	Village of Streamwood	Irving Park Road (IL 19) Widening and Reconstruction	Bike/Ped	\$ 654,460
1	Village of Algonquin	Main Street Protected Bike Lane	Bike/Ped	\$ 1,196,800
1	Village of Wilmette	Downtown Streetscape Improvements	Streetscape	\$ 999,100
1	Village of Clarendon Hills	Downtown Revitalization Project	Streetscape	\$ 2,000,000
1	Village of Huntley	Huntley - Reed Road Multi-Use Path	Bike/Ped	\$ 192,000
1	City of McHenry	Pearl Street/Lincoln Road Streetscape Improvements	Streetscape	\$ 616,300
1	Fox Valley Park District	Prairie Path - Aurora	Bike/Ped	\$ 610,470
1	City of Chicago	43rd Street Pedestrian and Bicycle Bridge to the Lakefront Trail	Bike/Ped	\$ 2,000,000
1	Village of Hillside	Mannheim Road Pedestrian Bridge	Bike/Ped	\$ 2,000,000
1	Village of Channahon	Channahon Bridge Street Multi-Use Path	Bike/Ped	\$ 786,510
1	Village of Glenview	Chestnut Avenue Multi-Use Path	Bike/Ped	\$ 633,780
1	Village of Spring Grove	Main Street Downtown Sidewalk Improvements	Bike/Ped	\$ 178,200
1	Village of Berkeley	Industrial Pedestrian Connector Project	Bike/Ped	\$ 127,590
1	Village of Riverside	East Quincy Street / Riverside Road Streetscape Project	Streetscape	\$ 10,000
1	Village of Bensenville	Downtown Area Improvements - South Half	Streetscape	\$ 1,045,800
1	Cary Park District	Hoffman Park Bike Path	Bike/Ped	\$ 1,104,000
1	City of Northlake	Wolf Road Multi-Use Path	Bike/Ped	\$ 55,230
District 1 Total				\$ 14,210,240

Overview of Opportunities

Highlights of Case Studies

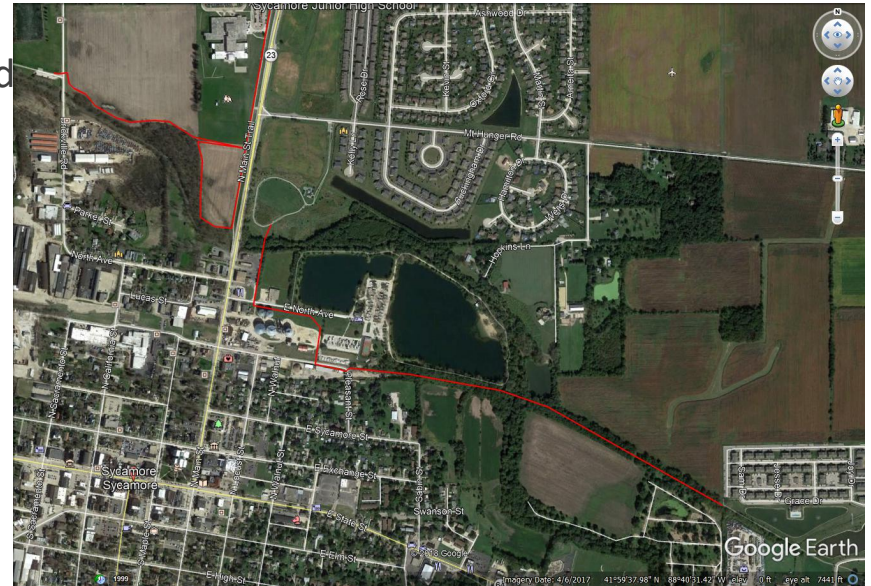
- Bike Trail Development – Seg. 1
 - \$624K Federal (75%)
 - \$201K Local (25%)
- Golf Course Redevelopment
 - \$ 14M Local (82%)
 - \$ 5M Outside (18%)



Great Western Trail – ITEP funded

Great Western Trail Segment 1 & 2

- Identified in DeKalb County Greenways and Trails and DSATS Long Range Plans
- 10 ft asphalt multi-use trail
- Bridge of Kishwaukee
- Connects neighborhoods to downtown
- Provides alternative means of transportation for work, shopping, school
- Broken into phased segments



Great Western Trail – ITEP funded

Great Western Trail Segment 1

- Constructed 2018
- Multi-agency Coordination
- Floodplain along the Kishwaukee
- Created Safe School route



Great Western Trail – ITEP funded

Great Western Trail Segment 2

- Multi-agency Coordination
- Two bridges across Kishwaukee
- Land Acquisitions required from four property owners and IDOT
- Phase I Engineering Approve 2018
- Final Engineering 2019
- Construction 2020
- Construction Estimate \$3.0M



Great Western Trail – ITEP funded

ITEP Program Overview

- ANY local or state governmental taxing authority can apply
- Projects that qualify – Ped/bike trails, overlooks and railroad corridors to trails most applicable
- 80 Fed/20 Local Match for Engineering and Construction
- 50/50 Match for Right-of-Way Acquisition
- \$2.0M Maximum Federal match per cycle

Great Western Trail – ITEP funded

ITEP Program Overview

- Administered by IDOT through Bureau of Local Roads for each IDOT District
- Local Agency leads Engineering/ROW
- IDOT leads Construction
- Requires project to follow Federal requirements

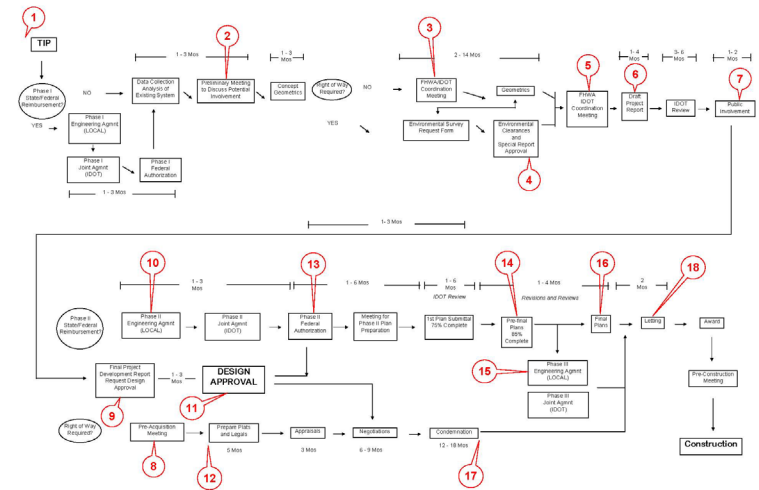


Great Western Trail – ITEP funded

FHWA/IDOT Steps

- Qualification Based Selection Process (QBS) for all phases of Construction
- Preliminary Phase I Engineering (Design Approval)
- Land Acquisition
- Final Engineering Phase II
- Construction (IDOT led)
- Construction Engineering Phase III

FEDERAL AID PROJECT FLOW CHART Initiation to Completion



Great Western Trail – ITEP funded

Phase I Preliminary Engineering

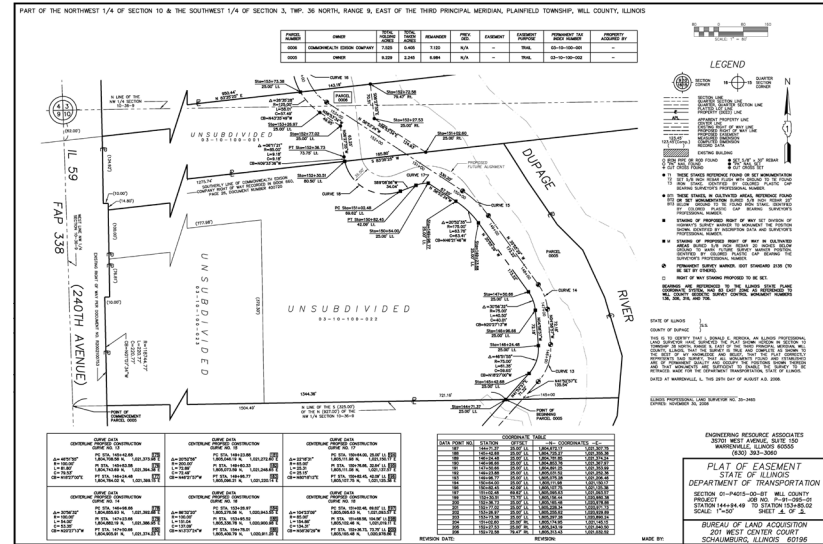
- Establishes Alignment
- Obtain Biological and Cultural Clearances
- Drainage Analysis
- Special Studies
- Public Outreach
- Project Development Report(PDR) approval



Great Western Trail – ITEP funded

Land Acquisition

- Federal Requirements
- Temporary and Permanent Easements
- Letters/Offers of Donations
- Timing of Land negotiations



Great Western Trail – ITEP funded

Final Engineering/Construction Documents

- State Letting Schedule
- IDOT Lead Construction Contract
- Permitting and FHWA Design Requirements

ILLINOIS DEPARTMENT OF TRANSPORTATION
 STATE PRICE TABLE LIST OF BIDS
 LETTING DATE: 04/23/2010 LETTING TIME: SCHEDULED CONTRACT NUMBER: 63115 LETTING ITEM NUMBER: 253
 RESPONSES EXPIRE: 20 COUNTY: WILL MUNICIPALITY: PLAINFIELD PARK STREET: STATE ROUTE 1
 SECTION: 01-#012-00-00 PROJECT NUMBER: 63A-02-RP-0320/01/000
 SUMMARY OF CONTRACTOR BIDS

BIDR NO.	BIDDER NAME	COUNTY GROUP	CONTRACTOR GROUP	CONTRACT ITEM	CONTRACT PRICE	%1 BIDDER TOTAL BIDS	PERCENTAGE OF BIDDERS EXTENDING	PERCENTAGE OF BIDDERS EXTENDING	LOW BIDDER CALC EXTENSION	BIDR CALC EXTENSION	MINIMUM BIDDER EXTENSION
1320	D. Construction, Inc.	NO AIT			2,028,567.85	2,028,567.85	2,028,567.85				
1552	Dunnet Bay Construction Company	NO AIT			1,615,099.45	1,615,099.45	1,615,099.45				
1750	P. T. Ferro Construction Co.	NO AIT			2,817,232.70	2,817,232.70	2,817,232.70				
3243	Kovilik Construction Company, Inc.	NO AIT			2,470,712.80	2,470,712.80	2,470,712.80				
3339	Lakes & Rivers Contracting, Inc.	NO AIT			2,363,923.00	2,363,923.00	2,363,923.00				
3505	Lorsy Construction Company	NO AIT			1,885,490.00	1,885,490.00	1,885,490.00				
5570	Sjostrom & Sons, Inc.	NO AIT			1,989,850.59	1,989,850.59	1,989,850.59				

*** TOTAL GROSS NO AIT BAY ITEMS FOR THIS CONTRACT = 0

DETAIL CONTRACTOR BIDS

BIDR NO.	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	BIDDER EXTENSION	CALCULATED BIDE CALC EXTENSION	MINIMUM BIDDER EXTENSION
63040471	FRANCE SEEDING 800	2,700	ACRE				
1320	D. Construction, Inc.			32,000.00	86,400.00	86,400.00	86,400.00

BIDR NO.	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	BIDDER EXTENSION	CALCULATED BIDE CALC EXTENSION	MINIMUM BIDDER EXTENSION
X0322671	STAB CONSTR ENTRANCE	500.0000	SQ YD				
1320	D. Construction, Inc.			30.0000	15,000.00	15,000.00	15,000.00
1552	Dunnet Bay Construction Company			25.0000	12,500.00	12,500.00	12,500.00
3243	Kovilik Construction Company, Inc.			9.0000	4,500.00	4,500.00	4,500.00
3339	Lakes & Rivers Contracting, Inc.			25.0000	12,500.00	12,500.00	12,500.00
3505	Lorsy Construction Company			28.0000	14,000.00	14,000.00	14,000.00
1750	P. T. Ferro Construction Co.			50.0000	25,000.00	25,000.00	25,000.00
5570	Sjostrom & Sons, Inc.			15.0000	7,500.00	7,500.00	7,500.00

3243	Kovilik Construction Company, Inc.			10.0000	10,000.00	10,000.00	10,000.00
3339	Lakes & Rivers Contracting, Inc.			15.0000	15,000.00	15,000.00	15,000.00
3505	Lorsy Construction Company			30.0000	15,000.00	15,000.00	15,000.00
5570	Sjostrom & Sons, Inc.			19.489200	194,892.00	194,892.00	194,892.00

BIDR NO.	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	BIDDER EXTENSION	CALCULATED BIDE CALC EXTENSION	MINIMUM BIDDER EXTENSION
0012411	STAB CONSTR ENTRANCE	500.0000	SQ YD				
1320	D. Construction, Inc.			30.0000	15,000.00	15,000.00	15,000.00
1552	Dunnet Bay Construction Company			25.0000	12,500.00	12,500.00	12,500.00
3243	Kovilik Construction Company, Inc.			9.0000	4,500.00	4,500.00	4,500.00
3339	Lakes & Rivers Contracting, Inc.			25.0000	12,500.00	12,500.00	12,500.00
3505	Lorsy Construction Company			28.0000	14,000.00	14,000.00	14,000.00
1750	P. T. Ferro Construction Co.			50.0000	25,000.00	25,000.00	25,000.00
5570	Sjostrom & Sons, Inc.			15.0000	7,500.00	7,500.00	7,500.00

BIDR NO.	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	BIDDER EXTENSION	CALCULATED BIDE CALC EXTENSION	MINIMUM BIDDER EXTENSION
0012413	SEEDING SEEDS NEW MIX	.990	ACRE				
1320	D. Construction, Inc.			12,375.60	12,375.60	12,375.60	12,375.60
1552	Dunnet Bay Construction Company			5,445.00	5,445.00	5,445.00	5,445.00
3243	Kovilik Construction Company, Inc.			2,020.000	2,020.000	2,020.000	2,020.000
3339	Lakes & Rivers Contracting, Inc.			2,041.35	2,041.35	2,041.35	2,041.35
3505	Lorsy Construction Company			2,372.25	2,372.25	2,372.25	2,372.25
1750	P. T. Ferro Construction Co.			2,444.880	2,444.880	2,444.880	2,444.880
5570	Sjostrom & Sons, Inc.			2,417.54	2,417.54	2,417.54	2,417.54

BIDR NO.	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	BIDDER EXTENSION	CALCULATED BIDE CALC EXTENSION	MINIMUM BIDDER EXTENSION
0011796	CONSTRUCTION LAYOUT	1.000	L. LINE				
1320	D. Construction, Inc.			15,000.00	15,000.00	15,000.00	15,000.00
1552	Dunnet Bay Construction Company			17,000.00	17,000.00	17,000.00	17,000.00
3243	Kovilik Construction Company, Inc.			20,000.00	20,000.00	20,000.00	20,000.00

Great Western Trail – ITEP funded

Construction Phase

- Full Time Construction Oversight
- IDOT Documentation
- Engineering Contract – Local Agency

Quote of the Day

“Mr. Parks, as the LA R.E. you’ll need to submit an OPER 2410 to Central BLRS and OPER 725 to me, the LA engineer. The contractor must also submit their BC 255, 260As and 261s. And don’t forget the BDE 2289 which needs to be sent in ASAP!”

Great Western Trail – ITEP funded

Strategy for Selection

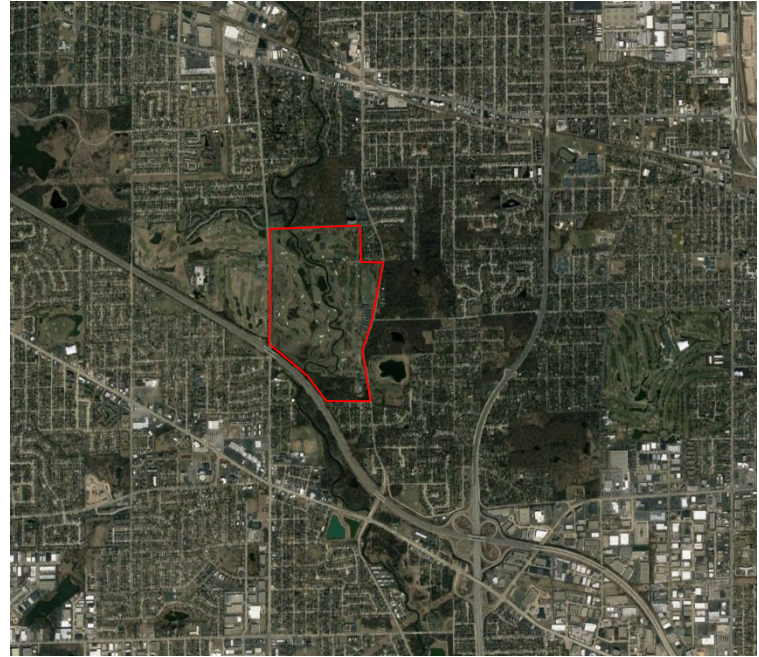
- Accurate Project Cost Estimates
- Secure Source of Local Match
- Positive Public Outreach
- Interagency Cooperation
- Right-of-way commitments
- Shovel Ready Projects



The Preserve at Oak Meadows Forest Preserve District of DuPage County

Strategy for Implementation

- I – Master Concept Planning
- II – Concept Plan Verification
- III – Design Development, Construction Documents, Permitting, Approvals, Funding Applications
- IV – Construction & Implementation



The Preserve at Oak Meadows Forest Preserve District of DuPage County

Results of Master Planning

- Raised Tees & Greens – 100-yr,
Fairways & Cart Paths – 10-yr
- Flood Storage Capacity – 35 ac-ft
of additional storage
- Wetland Creation – 33 acres
- In-stream Enhancements – 13,830
feet of bank stabilization
- Riparian and Prairie Area Creation
– 106 acres
- **Project Cost: \$16M**



The Preserve at Oak Meadows Forest Preserve District of DuPage County

Target Partnerships, Grants, & Funding Opportunities

- DuPage County Fee-in-Lieu Wetland Mitigation (\$1.7M)
- DuPage County Water Quality Improvement Program (\$100K)
- 319h Grant (\$1.4M)
- Illinois Green Infrastructure Grant (IGIG) (\$500K)
- DuPage River Salt Creek Workgroup (DRSCW) (\$800K)
- MAP-21 Bike Trail Funds (\$50K)
- **Total Target Outside Funding: \$4.55M**



The Preserve at Oak Meadows Forest Preserve District of DuPage County

DuPage County Wetland Fee-in-Lieu Funds

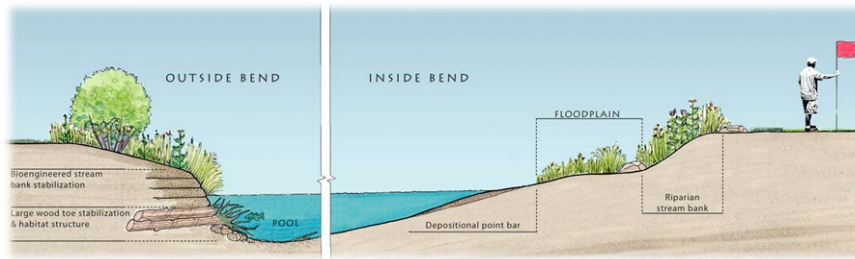
- 24.8 Total Acres of Wetland Mitigation
- 19 Acres Dedicated to Fee-in Lieu Funds



The Preserve at Oak Meadows Forest Preserve District of DuPage County

DRSCW - Pursued IEPA
Funds

- Channel Restoration Design & Construction



The Preserve at Oak Meadows

Forest Preserve District of DuPage County

DuPage County Department of Transportation

- Cart Tunnel Abandonment underneath Addison Road
- DuDOT Cost Shared for Work



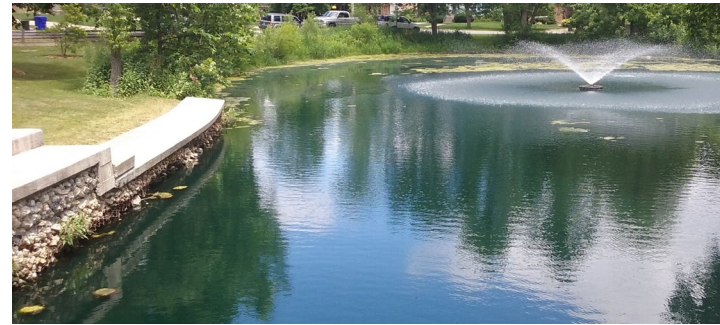
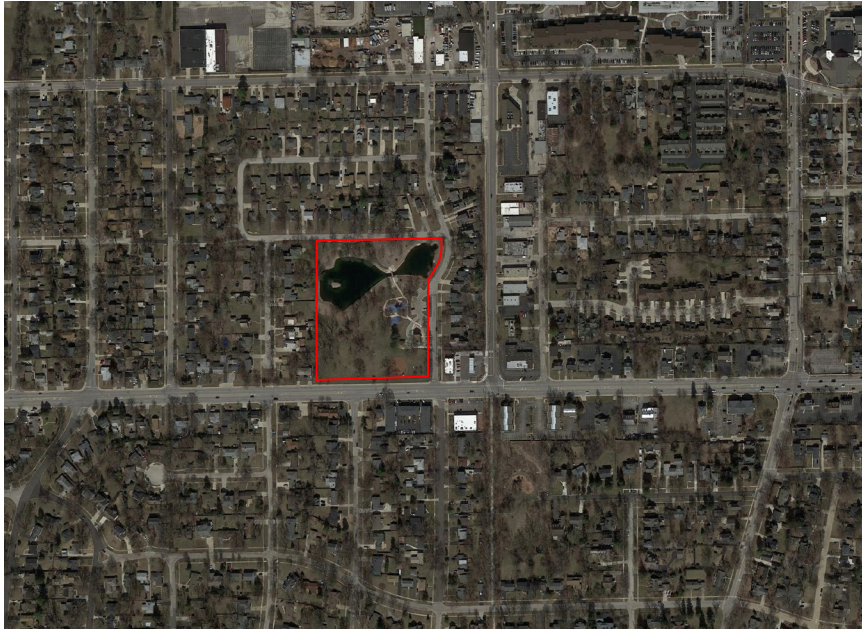
The Preserve at Oak Meadows Forest Preserve District of DuPage County

Final Outside Funding Sources

- DuPage River Salt Creek Workgroup (IEPA Permit Funds) (\$2.25M)
- DuPage River Salt Creek Workgroup (IEPA Funds) (\$30K)
- DuPage County Fee-in-Lieu Wetland Mitigation (\$2.6M)
- DuPage County Department of Transportation (\$27K)
- **Total Outside Funding: \$4.91M**

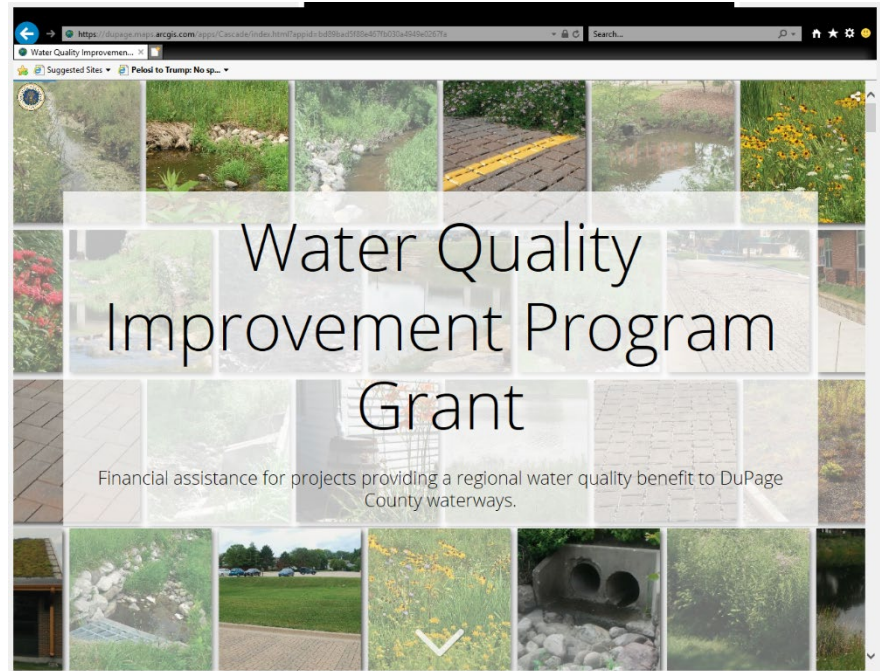


Rathje Park Wheaton Park District



Rathje Park Wheaton Park District

- 6.7 Acre Park
- Water Quality Issues in Pond
 - Polluted and Nutrient-rich Stormwater from Parking Lot & Subdivision
 - Erosion Along Banks
- Opportunities for Education
- DuPage County Water Quality Improvement Program
 - \$3.3M in grants since 1988

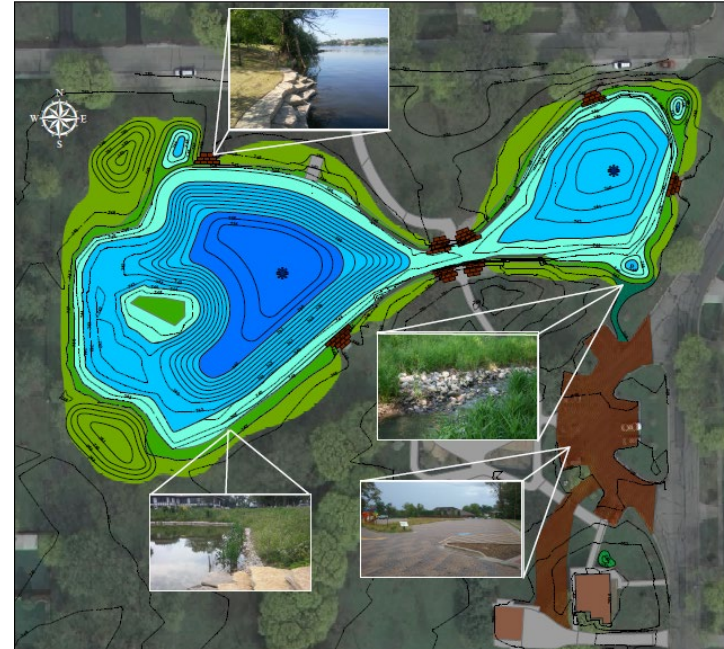


Rathje Park Wheaton Park District

Final Concept

Estimated Project Costs				
Item	Unit	Unit Cost	Quantity	Total
Shoreline Restoration (Vegetated)	LF	\$70	1,400	\$98,000
Pond Dredging	CY	\$25	1300	\$32,500
Rain Garden, Bio-swale & Edge Wetland	LS	\$20,000	1	\$20,000
Permeable Paver Parking Lot	SF	\$10	7,475	\$74,750
Rain Water Harvesting	LS	\$3,500	1	\$3,500
Educational Area	LS	\$30,000	1	\$30,000
Sub Total				\$258,750.00
Design/Engineering, Permitting Fees				\$20,000
Total				\$278,750.00
Grant Reimbursement Amount				\$69,687.50

We are willing to accept partial funding if some line items are considered less effective towards the grant program goals.



Rathje Park Wheaton Park District



Existing Asphalt Lot
Replaced with Permeable
Pavers

Rathje Park Wheaton Park District

500-Gallon Rainwater
Harvesting Tank from Roof



Decorative Trench for
Educational Purposes at the
Preschool

Rathje Park Wheaton Park District

Pond Dredging to Reduce
Algal Blooms & Provide
Additional Fish Habitat



Rathje Park Wheaton Park District



Shoreline Stabilization with
Native Plantings

Plunge Pools for
Stormwater Pre-Treatment

Rathje Park Wheaton Park District

Final Dollars

- Total Construction Cost: \$568,752
- WQIP Funding Applied For: \$69,688
- **WQIP Funding Received: \$68,357**



Bartlett Road Bike Trail Village of Bartlett



Bartlett Road Bike Trail and Drainage Project Village of Bartlett

Funding Opportunities

- Cook County DOT - Invest in Cook (Design Funding)
- Cook County DOT - Invest in Cook (Construction Funding)
- MWRD Green Infrastructure Grant (Construction Funding)



Space to Grow: Greening Chicago Schoolyards

- Co-Managed by Openlands and Healthy Schools Campaign
- Funding Provided by:
 - Chicago Public Schools
 - Chicago Dept. of Water Management
 - MWRDGC
- Goal of Program
 - Transform schoolyards in Chicago to improve outdoor activity and community engagement while also providing stormwater benefits



<https://www.spacetogrowchicago.org/gallery/#lg=1&slide=0>

Space to Grow: Wadsworth Elementary School

BEFORE PROJECT



AFTER PROJECT



<https://healthyschoolscampaign.org/chicago-policy/celebrating-wadsworths-space-grow-schoolyard/>

West Park Storage & Pumping Station Wilmette Park District

- Construction Cost: \$18.5M
- 5.5M Gallon Reservoir Beneath Sports Fields
- Reduces Sewer-Related Basement Backups and Increases Sanitary Sewer Capacity
- 1,300+ Homes Protected by Storage Reservoir
- Partnership Between Park District & Village



Wrap Up

Summary of Common Elements

- Identify Funding Early in Planning
- Outside the Box Approach
- Look for Win/Win Opportunities
- Have Patience



<https://www.callawaygardens.com/>

Questions?

Contact us:

John Mayer: Jmayer@eraconsultants.com

Drew Kustusich: Akustusich@eraconsultants.com

www.eraconsultants.com

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