



**Illinois DNR
Conservation 2000 - Ecosystems Program
Project Grant Application for FY 2008**

[Deadline: Wednesday, February 28, 2007]



Project Classification: Planning

Applicant Information

Ecosystem Partnership	Kishwaukee River	DNR Project	KIP007-08
Applicant (Grantee if awarded)		Project Manager (Contact person other than Applicant)	
First Name	Robert	First Name	Stan
Last Name	Martin	Last Name	Schumacher
Organization	Western Surveying & Engineering, P.C.	Organization	Midwest Groundcovers
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City	Geneva	City	St. Charles
State	IL	State	IL
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Project Information

Project Title Virgil Ditch #3, Drainage District Restoration

Project Location(s)	County	Township	Range	Section(s)
Project Location 1	Kane			

Landowner(s)	Approval?	Landowner Name	Landowner Type	Location #s
Landowner 3	Yes	Michael E. & Deborah A Schelkopf	private landowner	3,4,5
Landowner 3	Yes	Richard C. & Carolyn J. Snyder	private landowner	8,9
Landowner 3	Yes	Joseph A. & Donna L. Butts	private landowner	2
Landowner 3	Yes	Wayne A. & Linda K. Butts	private landowner	1
Landowner 3	Yes	Fabrizius Land Inc., Cynthia Jo Fabrizius	not for profit organization	6,7
Landowner 3	No	Michael E. & Deborah A Schelkopf	private landowner	

Project Abstract

Funds for this phase will be used to investigate and survey sloughed and eroded embankments, Hydric soils, wooded overgrowth, identify invasive grasses, dysfunctional drain tile, tributary inlets and items adversely affecting ~ 8.08 miles of drainage channel, design a maintainable drainageway to include best ecological design criteria.

Signatures

Application was filed and signed electronically on 2/28/2007

Project Description

The Virgil Ditch #3, Drainage District has recently been reactivated to investigate, design and restore a functional drainage channel established in the early 1900's.

The overall scope of the project is to restore Virgil Ditch #3, to a functional drainageway, minimize erosion and include design criteria to improve fish and aquatic habitat, and the planting and maintenance of sustainable grasses and buffer areas.

The plan is to accomplish this in several phases, the number of which will be determined following the first phase to investigate the actual condition and profile of the ditch.

This grant request is for the first or Demonstration Phase of the restoration.

The First Phase consists of three specific tasks to determine the channel condition, construction priority, maintenance, phasing and total restoration cost.

Task I, survey and create a base map of the existing ditch profile and appurtenances, evaluate tributaries, existing structures, perform a soils assessment, design a restoration plan, profile and specification, and design a sustainable landscape plan.

Task II, create an inventory of critical areas along the channel. Critical areas are those places where either debris, overgrowth or erosion cause structural damage to existing facilities, such as buildings, bridges, etc. Consultation with outside agencies to include green space design criteria in the final restoration plan, and an evaluation to determine the most efficient construction sequence and develop a phased restoration plan.

Task III, Educate landowners within the drainage district for compliance with the parameters of an ecologically sustainable ditch design. Develop regional mandates that require adjacent development, that drain directly into or up stream of Virgil Ditch #3 to comply with said parameters. Develop a fee structure for the maintenance and inspection of the restored ditch. Develop regulatory requirements for land development adjacent to the drainage district or directly affecting the drainage within Virgil Ditch #3.

The Fox Valley Land Foundation has volunteered to consult during the development of the channel design. If the channel meets certain green space design criteria, they have volunteered to maintain the channel, i.e. annual controlled burns, maintenance of the IL native prairie grasses, and channel inspections. Include local student during the restoration, inspection and maintenance of the restored drainageway.

This First Phase of the project will determine the cost and number of phases necessary to complete the channel restoration. There are approximately 70 landowners in the Drainage District, 25 of them directly on Virgil Ditch #3. They are primarily interested in restoration of the channel because of flooding but the majority have agreed to implement sustainable ecological parameters in lieu of having someone contracted to maintain the Drainage Ditch.

Desired Start Date	March 1, 2008	End Date	August 31, 2008
Partnership Goals	[up to 3 goals]		

Goal 1:	Improve the current condition of the channel to restore adequate resources for fish and wildlife habitat.
Goal 2:	Reconstruct adequate slopes and stabilize with IL native prairie grasses and shrubs to slow and filter stormwater
Goal 3:	Develop a sustainable drainage district that will accomodate green space development without impact to the district.

Program Guidance [Please select one or more of the following that your proposal is designed to address]		
<input type="checkbox"/> High Quality Natural Resources	<input checked="" type="checkbox"/> Minimum functional Habitat Areas; Species, Guilds; Habitat Diversity	<input type="checkbox"/> Buffer to Protect Sensitive Habitats
<input type="checkbox"/> Connect Habitat Areas	<input checked="" type="checkbox"/> Ecosystem-Based Best Management Practices	<input type="checkbox"/> Restore and Naturalize Hydrologic Functions
<input type="checkbox"/> Complementary Educational Strategies	<input type="checkbox"/> Research and Monitoring Integration	<input type="checkbox"/> Local, State and Federal Program Integration

Quarterly Tasks

Quarterly Reporting Period	Task Description for Quarter
January 1 - March 31, 2008	Survey and develop Topographic data.
April 1 - June 30, 2008	Preliminary Design & Specification, Consult and Present initial plan to Drainage District.
July 1 - September 30, 2008	Final Design, Specification & Schedule
October 1 - December 31, 2008	
January 1 - March 31, 2009	
April 1 - June 30, 2009	
July 1 - September 30, 2009	
October 1 - December 31, 2009	
January 1 - March 31, 2010	

Anticipated Results [fill in as many as apply]

Habitat Restored and Number of Sites Monitored							Soil Saved (Tons/ Acre/ Year)
	Wetland (Acres)	Prairie (Acres)	Forest (Acres)	Streams (Feet)	Lakes (Acres)	Riparian (Acres)	
Habitat Restoration	0	3919	0	0	0	0	0
Sites Monitored	0	0	0	0	0	0	0

	Teachers Trained	Students Educated	Volunteers Enlisted	Citizens Contacted
Number of People	0	0	0	0

Land Acquisition Will the project involve acquisition of land?

No Yes → Choose Fee Simple Acquisition Permanent Easement 30-Year Easement

Does there exist legal access for ingress/egress to the parcel to be acquired fee simple or be encumbered by a conservation easement?

Yes No → Please explain

Are there any pre-existing real estate purchase agreements encumbering the property?

No Yes → Please explain

Has the property been encumbered by a federal or state program?

No Yes → Please explain

Is there drain tiling?

No Yes → If "Yes", will it be destroyed/removed? No Yes Don't know

Have all landowners been informed of this proposed project?

No Yes → Please explain

Land Disturbance Activities Will there be land disturbance?

No Yes → Show the access route on the site map and indicate if it is an existing route (choose 1):

dirt road gravel road paved road not existing route

Will the land disturbance involve heavy equipment?

No Yes → What type(s) of equipment?

Back Hoe or Dozer

Will it involve tree removal?

No Yes → Describe the dominant tree cover, and number and average size (d.b.h) of trees being removed .

Woody Overgrowth, in what will be the buffer zone along and in the channel

Will there be in-stream construction?

No Yes → Estimate duration and season of channel disturbance .

Will there be designated borrow and deposition sites for soil?

No Yes → Describe locations.

Will wetland or water retention structures be constructed?

No Yes → Detail depth of excavation and estimated water depth [10 words = 50 characters] and show proposed structures clearly on map.

Budget Information

Personnel

Name or Position Title	Hourly Rate (\$)	Hours Worked	Total \$ Amount
John Spenader, P.E. President	\$46.77	40	\$1,870.80
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John Spenader, P.E. President	\$46.77	40	\$1,870.80
Karen Tlusty, Drafting	\$33.80	30	\$1,014.00
Karen Tlusty, Drafting	\$33.80	30	\$1,014.00
Karen Tlusty, Drafting	\$33.80	30	\$1,014.00
Robert Martin, Senior Project Manager	\$44.84	40	\$1,793.60
Robert Martin, Senior Project Manager	\$44.84	40	\$1,793.60
Robert Martin, Senior Project Manager	\$44.84	40	\$1,793.60
Russ Ory, Surveying	\$50.00	60	\$3,000.00
Russ Ory, Surveying	\$50.00	60	\$3,000.00
Russ Ory, Surveying	\$50.00	60	\$3,000.00
Total, Personnel [enter in Budget Summary, Project Total column]			\$23,035.20

Commodities

Description	Quantity	Units	Price per Item (\$)	Total \$ Amount
Survey Stakes	500	items	\$1.50	\$750.00
Total, Commodities [enter in Budget Summary, Project Total column]				\$750.00

Contractual

Contractor/Vendor Name	Category (see instructions)	Total \$ Amount
Wetland Delineation	Engineering	\$30,000.00
Total, Contractual Services [enter in Budget Summary, Project Total column]		\$30,000.00

Total Budget [enter in Budget Summary, Project total column]	\$53,785.20
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Budget Summary

Budget Category	Project Total	C-2000 Funds Requested	Matching Funds
Personnel	\$23,035.20	\$7,700.00	\$15,335.20
Equipment	\$0.00	\$0.00	\$0.00
Commodities	\$750.00	\$750.00	\$0.00
Contractual Services	\$30,000.00	\$30,000.00	\$0.00
Acquisition/Easement	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$53,785.20	\$38,450.00	\$15,335.20

Source(s) of Matching Funds	Itemize by source
Virgil Ditch #3, Drainage District	\$15,335.20
Total Match	\$15,335.20