

COUNCIL WORKSHOP ITEM

ITEM: Grant application for project: *Linden Heights Branch of St. Joseph Creek Stream Improvement*

DATE: 12/18/00

PREPARED BY: Susan Brassfield

PURPOSE: Place on the agenda for the February 6th Council meeting for resolution authorizing submittal of application to the Illinois Department of Natural Resources administered by the Conservation Foundation.

DISCUSSION:

Financial Services, on behalf of the Village of Downers Grove, is recommending the submission of the *Conservation 2000* grant to the Illinois Department of Natural Resources administered by the Conservation Foundation. A stipulation of the *Conservation 2000* grant requires a 50/50 match by the applicant. The total estimated project cost of the *Linden Heights Branch of St. Joseph Creek Stream Improvement* is \$250,000 of which the Village is required to provide \$125,000 as the match. The 50% Village share will be applied toward hiring a contractor to perform the required work and to install the appropriate plantings. The Village share will be funded from account (220.524.0000.5711) spanning the 2001/02 and 2002/2003 budget years. The goal of this project is twofold; addressing erosion control and overbank flooding. This project focuses on the south branch of St. Joseph Creek in the Linden Heights subdivision. During the 1950's when this subdivision was developed, the stream was re-routed and forced along lot lines as houses were constructed. This re-routing created several unnatural 90-degree bends resulting in significant erosion of the banks, siltation of the channel, and growth of undesirable plant and tree species. The Village purchased several of the flood-prone lots that contained structures that were ultimately demolished. This project presents an opportunity for modest realignment of the stream to its natural course. We propose to stabilize the streambank using native vegetation, and bioengineering techniques will be used to repair and enhance the riparian corridor.

It has been the experience of Public Works staff that costs (both construction and engineering) for this type of project can escalate depending on permit requirements, however our grant is limited to \$125,000. The Village continues to seek other appropriate grants to support the Linden Heights project.

ATTACHMENT:

Attachment 1: Resolution
Attachment 2: *Conservation 2000* Application

RECOMMENDATION:

The approval of this grant application by resolution is recommended and a copy of the resolution is attached for your review.

RESOLUTION NO. _____

**A RESOLUTION AUTHORIZING SUBMITTAL OF GRANT APPLICATION TO THE
ILLINOIS DEPARTMENT OF NATURAL RESOURCES ADMINISTERED BY THE
CONSERVATION FOUNDATION**

WHEREAS, the Village of Downers Grove, a non-profit organization and municipal corporation in the State of Illinois, has developed grant application Conservation 2000 for funding in the total amount of \$125,000.00 for streambank improvement of a branch of the St. Joseph Creek located in the Linden Heights subdivision in Downers Grove which the Village of Downers Grove shall authorize the filing of the application to the Conservation Foundation for consideration; and

WHEREAS, the Village Council has reviewed said grant application and desires that said application be processed by the Conservation Foundation.

NOW, THEREFORE, be it resolved by the Council of the Village of Downers Grove, DuPage County, Illinois, as follows:

1. That the Village of Downers Grove agrees to submit the Conservation 2000 application of the Village of Downers Grove in the amount of \$125,000.00 for streambank improvement of a branch of the St. Joseph Creek.

2. That this resolution shall be in full force and effect from and after its passage as provided by law.

Mayor

Passed:

Attest: _____
Village Clerk



Conservation 2000

Ecosystem Project Application

IDNR Use Only
Project #:

ECOSYSTEM PARTNERSHIP: Upper DuPage River

Applicant Information

Applicant Information	Contact Person (if different from applicant)
(Use this box, if Applicant is an Individual) Name: (Last) _____ (First) _____ (M) <input type="checkbox"/>	Name: (Last) <u>Gerdes</u> _____ (First) <u>Jane</u> _____ (M) <input checked="" type="checkbox"/>
(Use this box, if Applicant is an Organization) <u>Village of Downers Grove</u>	Relationship to Applicant: <u>Senior Engineer</u>
Address: <u>5101 Walnut Avenue</u> _____ City: <u>Downers Grove</u> _____ State: <u>IL</u> Zip Code: <u>60515</u>	Address: <u>5101 Walnut Avenue</u> _____ City: <u>Downers Grove</u> _____ State: <u>IL</u> Zip Code: <u>60515</u>
Affiliation: _____ Title: _____ Phone: _____ Ext.: _____ Fax: _____	Affiliation: <u>Public Works</u> _____ Title: <u>Senior Engineer</u> _____ Phone: <u>630-434-5494</u> Ext.: _____ Fax: <u>630-434-5495</u>

Project Summary

Project Title: Linden Hts, Branch of St. Joseph Creek Stream Improvement

Classification: Resource Economics Habitat Outreach Research Capital

Land Use Information (Complete this section IF application is classified above as Habitat)

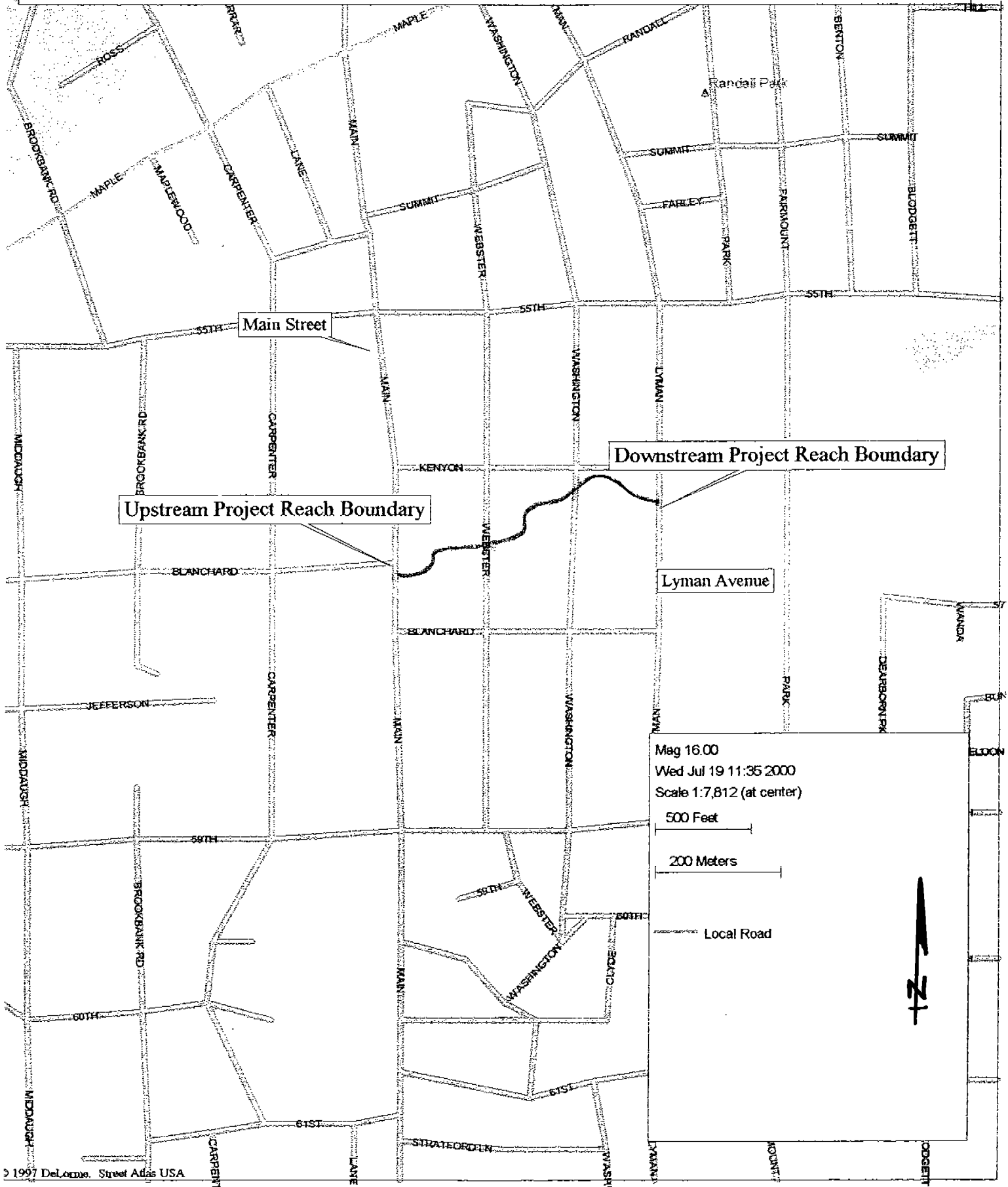
Existing Land Use Conditions: Open Water _____ Ac., Wetland _____ Ac., Grassland _____ Ac., Highly Erodible _____ Ac., Woodland _____ Ac., Cropland _____ Ac., Other 1 Ac. (describe branch creek)

Proposed Land Use Conditions: Open Water _____ Ac., Wetland _____ Ac., Grassland _____ Ac., Highly Erodible _____ Ac., Woodland _____ Ac., Cropland _____ Ac., Other 1 Ac. (describe Branch Creek)

Objectives: This project is focused on a portion of a branch of the St. Joseph Creek traversing a typical suburban 1950's subdivision. During development of the subdivision in the 1950's, the stream was re-routed and forced along lot lines as houses were constructed. Vertical railroad tie retaining walls were used along several stretches to maximize use of the properties. The resulting re-routed and constricted stream exhibits significant erosion of the banks, siltation of the channel and growth of undesirable plant and tree species. Several lots adjacent to the stream had flood-prone homes. The Village of Downers Grove purchased several of these lots and the structures were demolished, presenting an opportunity for modest realignment of the stream to its natural course with this project. This project will also stabilize streambanks, restoring the corridor and lessening the chance of flooding due to blockages. Streambank stabilization and restoration of the natural stream course are part of the recommended actions contained in the The Upper DuPage River Watershed Implementation Plan, developed by The Conservation Foundation and the DuPage River Coalition.

Description: The project is located in Section 17, T38N, R11E and is contained within the Linden Heights subdivision in Downers Grove, DuPage County, Illinois. The subject stream is a branch of the St. Joseph Creek within the DuPage River East Branch watershed. Proposed streambank stabilization using native vegetation and bio-engineering techniques will repair and enhance the riparian corridor. Realignments of portions of the stream provide modest flooding relief. Development of a preliminary design solution report is currently underway. Construction and planting activities by professional contractors, using C2000 funds will follow after all necessary permits are secured. There is support for this project from the local residents.

Project Reach Location/Extent



Linden Hts. Branch of St. Joseph Creek-Stream Improvement