

INTER-GOVERNMENTAL AGREEMENT
between the
NEBRASKA DEPARTMENT OF ENVIRONMENTAL QUALITY
and the
CITY OF LINCOLN PUBLIC WORKS DEPARTMENT
Regarding the Implementation of the Section 319 Project Entitled

North Star Wetland Enhancement and Education

THIS INTER-GOVERNMENTAL AGREEMENT is made and entered into by and between the Nebraska Department of Environmental Quality (NDEQ) and City of Lincoln Public Works Department (Sponsor), in accordance with the Interlocal Cooperation Act, Nebraska Stat. Sec. 13-801 to 13-807 (Reissue 1987) or Nebr. Rev. Stat. Sec. 81-1504 (Supp. 1997) of the Nebraska Environmental Protection Act, whichever is applicable.

WHEREAS, the Sponsor made a request to the NDEQ for Section 319 grant funds (CFDA #66.460), pursuant to the federal Clean Water Act and the Nebraska Nonpoint Source (NPS) Management Program, which have been made available to NDEQ through the Region VII Office of the U.S. Environmental Protection Agency (EPA); and

WHEREAS, these grant funds in an amount up to \$144,074.00 are to be used to implement this Section 319 NPS Project; and

WHEREAS, the Sponsor agrees to contribute at least \$118,364.00 in nonfederal match as cash and/or services in-kind for implementation of project activities; and

WHEREAS, the Sponsor agrees to comply with all provisions of the federal Clean Water Act as amended by the Water Quality Act of 1987, 33 U.S.C. §1251 *et seq.* and intends to use the funds as set out in this Agreement; and

NOW, THEREFORE, the parties do hereby agree to the terms and conditions of this Agreement as follows:

I. TERM OF AGREEMENT

This Agreement will begin on September 1, 2011 and will remain in effect until all identified tasks are completed for this Section 319 Project, unless terminated under §Q of this inter-governmental agreement, but will not remain in effect past June 30, 2012.

II. CONDITIONS OF AGREEMENT

A. General Conditions

1. The Sponsor agrees to complete a detailed Project Implementation Plan (PIP) outlining the project schedule and specific work items to be undertaken during the course of the project. This PIP must be approved by USEPA and NDEQ prior to any reimbursement request from Section 319 grant funds. A Quality Assurance Project Plan (QAPP) must be approved by NDEQ prior to any collection of environmental data and subsequent reimbursement request from Section 319 grant funds for monitoring activities.

2. The Sponsor agrees to submit semi-annual progress reports to the NDEQ by March 20 and September 20 each year for the duration of the project agreement. These reports shall contain the following components:
 - a. Progress to date
 - b. Significant findings or events
 - c. Corrective actions taken to resolve any problems that are encountered
 - d. Activities planned for the next reporting period
3. The Sponsor agrees that if indirect costs are authorized, as specified in the approved PIP, they will be charged at the approved indirect rate.
4. The Sponsor agrees that any contract, inter-governmental agreement, sub-agreement and/or procurement of equipment under this grant must receive NDEQ approval prior to expenditure of funds associated with those transactions. Copies of all sub-agreements and inter-governmental agreements will be provided to the NDEQ.
5. All equipment purchased with Section 319 grant funds must be approved by the NDEQ. Any such purchased equipment shall be retained by the NDEQ upon completion of the project unless otherwise authorized in writing by the NDEQ.
6. The Sponsor agrees that all water quality data collected under this grant shall be provided to the NDEQ.
7. The Sponsor agrees to recognize the contributions and/or involvement of the federal Nonpoint Source Management Program (authorized by Section 319 of the Clean Water Act and administered by EPA and NDEQ) in project publicity, reports, newsletters, and other materials. The Sponsor shall work with the NDEQ to ensure that all necessary peer review requirements are met prior to publication. A minimum of 6 copies of outreach material (printed or other media) produced under this grant shall be provided to the NDEQ unless otherwise specified.
8. The Sponsor agrees to ensure that persons receiving cost-share assistance from Section 319(h) funds shall, where relevant, practice nutrient and pest management on those portions of their operations that fall in the critical area of the project.
9. The Sponsor agrees to maintain all practices or structural Best Management Practices developed or constructed under Section 319, consistent with the operation and maintenance requirements for structures or practices as described in standard engineering design or as identified in the Natural Resources Conservation Service's Field Office Technical Guides or other appropriate federal/state/local standards.
10. The Sponsor is required and hereby agrees to use, and require sub-contractors to use, a federal immigration verification system to determine the work eligibility status of new employees physically performing services within the State of Nebraska. A federal immigration verification system means the electronic verification of the work authorization program authorized by the Illegal Immigration Reform and Immigrant Responsibility Act of 1996, 8 U.S.C. 1324a, known as the E-Verify Program, or an equivalent federal program designated by the United States Department of Homeland Security or other federal agency authorized to verify the work eligibility status of a newly hired employee.

If the Sponsor or Contractor is an individual or sole proprietorship, the following applies:

- a. The Contractor must complete the United States Citizenship Attestation Form, available on the Department of Administrative Services website at www.das.state.ne.us.
- b. If the Contractor indicates on such attestation form that he or she is a qualified alien, the Contractor agrees to provide the US Citizenship and Immigration Services documentation required to verify the Contractor's lawful presence in the United

States using the Systematic Alien Verification for Entitlements (SAVE) Program.

- c. The Contractor understands and agrees that lawful presence in the United States is required and the Contractor may be disqualified or the contract terminated if such lawful presence cannot be verified as required by Neb. Rev. Stat. §4-108

- 11. A final project report must be submitted to NDEQ within 75 days after completion of project tasks, but no later than the termination date of this agreement.

B. Grant Conditions

The following grant conditions shall be complied with by all recipients of federal grant funds.

- 1. The Sponsor agrees to comply with all the following provisions, rules and regulations (can be obtained from NDEQ):
 - a. Office of Management and Budget Circulars A-102, A-133, A-87 and 40 CFR Parts 31, 32, and 35.
 - b. Procurement standards of 40 CFR 31.32(g).
 - c. Prohibitive lobbying 18 U.S.C. Section 1913, Section 607(a) of Public Law 96.74, or Section 319 of Public Law 101-121.
 - d. Federal Register, Vol. 53, No. 102, Debarment and Suspension Under EPA, Assistance Loan and Benefit Programs.
 - e. Rules governing "Fair Share" of federal funds to Minority Business Enterprises (MBEs), Women-owned Business Enterprises (WBEs), Small Business Enterprises (SBEs), Small Disadvantaged Businesses (SDBs), and Small Business in Rural Areas (SBRAs). Affirmative steps outlined in 40 CFR 30.44, or 40 CFR 33.240, or 40 CFR 35.6580, or Section 129 of Public Law 100-590, whichever is applicable. ("Fair Share" Percentages: Supplies, 5% MBE, 12% WBE; Equipment, 6% MBE, 11% WBE; Services, 5% MBE, 11% WBE; and Construction, 6% MBE, 8% WBE.) The Sponsor agrees to include in its bid specifications, and require all of its prime contractors to include in their bid specifications for subcontracts, a "Fair Share". The Sponsor agrees to document the official grant files with all efforts taken to achieve the "Fair Share" and to report quarterly to NDEQ all "Fair Share" procurement efforts regardless of the size of the sub-agreement.
 - f. Section 204 of the Demonstration Cities and Metropolitan Development Act of 1996 as amended (42 USC Section 3334).
 - g. Provisions of the American with Disabilities Act.
 - h. Hotel and Motel Fire Safety Act of 1990.
 - i. EPA Order 1000.25 regulating the use of recycled paper.

C. Statement of Costs

The Sponsor will submit no more often than once per calendar month a properly documented statement of costs for which reimbursement is sought and nonfederal match is claimed pursuant to the terms of this Agreement and the PIP. This statement of costs shall be signed by the Sponsor's authorized representative. For purposes of this agreement, reimbursable costs and nonfederal match claims shall be related to budget items as described in the approved PIP. Documentation of costs shall consist of paid receipts, signed time records, and/or similar verification of expenditures.

D. Disbursements

1. All requests for reimbursement of costs incurred by the Sponsor shall be reviewed within ten (10) working days of their receipt by the NDEQ. If costs are deemed ineligible, the Sponsor shall be notified by the NDEQ within ten (10) working days of the receipt of the request. Within forty-five (45) working days after the receipt of a properly documented reimbursement request, the NDEQ shall transmit payment to the Sponsor, the amount of the eligible cost. The NDEQ shall not be held responsible for delays in payment, due to causes beyond its control.
2. Payment will be contingent on required semi-annual progress reports and quarterly MBE/WBE reports being current.
3. NDEQ shall withhold 10%, but not less than \$10,000, of grant funds pending receipt and approval of the final project report.
4. The total amount of payments under this Agreement shall not exceed One hundred forty-four thousand seventy-four dollars (\$144,074.00).
5. The Sponsor agrees to contribute at least one hundred eighteen thousand three hundred sixty-four dollars (\$118,364.00) in nonfederal match as cash and/or services in-kind for implementation of project activities.

E. Work Description and Schedule

This project shall complete objectives and work items as described in the PIP. The PIP is hereby incorporated into this document in its entirety.

F. Amendments

This agreement may be amended in writing at any time by mutual agreement of the parties, except insofar as any proposed amendments are in any way contrary to applicable law or requirements of the EPA or NDEQ.

G. Forfeiture, Repayment and Delays in Disbursement of Funds

Violation of any of the conditions of this Agreement by the Sponsor or failure of the Sponsor to complete and maintain the project in the manner described in the PIP, including any amendments thereto which have been properly approved, shall result in the forfeiture of any funds not disbursed. In addition, if for any reason the project is not completed as described in the project PIP, including any amendments thereto that have been or are hereafter approved by the NDEQ, the NDEQ may recover from the Sponsor any or all funds disbursed.

H. Remedies Not Exclusive

The use by either the Sponsor or the NDEQ of any remedy specified herein for the enforcement of this Agreement is not exclusive and shall not deprive the party from using such remedy, or limit the application of any other remedy provided by law.

I. Assignment

No assignment or transfer of this agreement or any part hereof, rights hereunder, or interest herein by the Sponsor shall be valid unless and until it is approved by the NDEQ and made subject to such reasonable terms and conditions as the NDEQ may impose.

J. Waiver of Rights

The Sponsor or NDEQ may from time to time waive any of their rights under this Agreement. However, any waiver of rights with respect to a default of any condition of this Agreement shall not be deemed to be a waiver with respect to any other default.

K. Applicable Rules and Regulations

Both parties shall abide by all applicable rules and regulations of the NDEQ, including any that may be adopted subsequent to the effective date of this Agreement, except those that would invalidate or be inconsistent with the provisions of this Agreement.

L. Inspection of Books, Records and Reports

The duly authorized representative of either party shall have the right to inspect and make copies of any books, records or reports of the other party pertaining to this Agreement or related matters during regular office hours. Each party shall maintain and make available for such inspection accurate records of all its costs, disbursements and receipts with respect to its activities under this Agreement. A single audit is required if \$500,000 or more is provided by the federal funding in any one year period. Verification of completion of the single audit report shall be sent to NDEQ.

M. Independent Contractor

The Sponsor is and shall perform this Agreement as an independent contractor and as such shall have and maintain exclusive control over all of its employees, agents and operations. Neither the Sponsor nor any person employed by the Sponsor shall act, propose to act or be deemed the NDEQ's agent, representative or employee. The Sponsor assumes full and exclusive responsibility for the payment of all premiums, contributions, payroll taxes and other taxes now or hereafter required by any law or regulation and agrees to comply with all applicable laws, regulations and orders relating to social security, unemployment compensation, OSHA, affirmative action, equal employment opportunity and other laws, regulations and orders of like nature. For any work hereunder subject to the Veterans Readjustment Assistance Act of 1974, or the Rehabilitation Act of 1973, the parties hereto shall comply with all provisions thereof, together with all applicable rules, regulations and orders of the Department of Labor, and the notices required pursuant to 41 CFR 60-1.4, 60-250.4 and 60-741.4 which are hereby incorporated by reference into this Agreement.

N. Nondiscrimination

The Nebraska Fair Employment Practice Act prohibits contractors to the State of Nebraska and their subcontractors from discriminating against any employee, or applicant for employment in the performance of such contracts, with respect to hire, tenure, terms, conditions or privileges of employment because of race, color, religion, sex, disability or national origin. The Sponsor's signature is a guarantee of compliance with the Nebraska Fair Employment Practice Act, and breach of this provision shall be regarded as a material breach of this Agreement. The Sponsor shall insert a similar provision in all subcontracts for services to be covered by any contract resulting from this Agreement.

O. Drug Free Workplace

The Sponsor by executing this Agreement, certifies and assures that it operates a drug free workplace as addressed in the State of Nebraska Drug Free Workplace Policy of July 7, 1989.

P. Publication Rights

All parties shall have publication and reproduction rights for all reports and materials, which are produced as a result of this Agreement.

Q. Termination

This agreement may be terminated in whole or in part in writing by either party in the event of substantial failure by the other party to fulfill its obligations under this Agreement through no fault of the terminating party, provided that no termination may be effected unless the other party is given:

1. Not less than ten (10) calendar days' written notice (delivered by certified mail, return receipt requested) of intent to terminate, and
2. An opportunity for consultation with the terminating party prior to termination.

R. Project Managers

The Project Manager for each party to this agreement shall be as follows. The Project Manager may be changed by any agency upon written notification.

NDEQ Project Manager
Paul Brakhage
Program Specialist
Water Quality Planning Unit
402-471-4224
Paul.Brakhage@nebraska.gov

Sponsor Project Manager
Ed Kouma
Engineer
Public Works
402-441-7018
EKouma@lincoln.ne.gov

III. SIGNATORIES TO THE INTER-GOVERNMENTAL AGREEMENT

NEBRASKA DEPARTMENT OF ENVIRONMENTAL QUALITY

Sig: Thomas R Lamberson Title: Deputy Director
Print: Thomas R. Lamberson

Date: September 7, 2011

CITY OF LINCOLN PUBLIC WORKS DEPARTMENT

Sig: _____ Title: _____
Print: _____

Date: _____ Federal Tax ID Number: _____

Project Implementation Plan

North Star Wetland Enhancement and Education Project

Project Sponsor: City of Lincoln, Public Works

Project Contact: Ed Kouma
City of Lincoln, Public Works
555 S. 10th Street, Suite 203
Lincoln, NE 68508
(402)-441-7018

Section 319 Funding Amount: \$144,074

Nonfederal Match Requirement: \$118,364

Total Project Cost: \$262,438

Estimated Construction start and end date: September 2011 – December 2011

Project Duration: September 2011 – March 2012

Background

The North Star Wetland Enhancement and Education Project was identified in 2007 to address degradation of a wetland and tributary to Salt Creek which falls in the Eastern Saline Wetland Complex. The United State Department of Agriculture (USDA) Natural Resources Conservation Services (NRCS) worked with Lincoln Public Schools (LPS) to enroll the Site into the Wetland Reserve Program (WRP). Changes in NRCS regulations affected the eligibility of the Site for the WRP. The Nebraska Department of Environmental Quality (NDEQ) and the City of Lincoln were contacted to discuss other options for the project. The City of Lincoln agreed to partner with the Lower Platte South Natural Resources District (LPSNRD) for the design of the North Star Wetland Enhancement and Education Project.

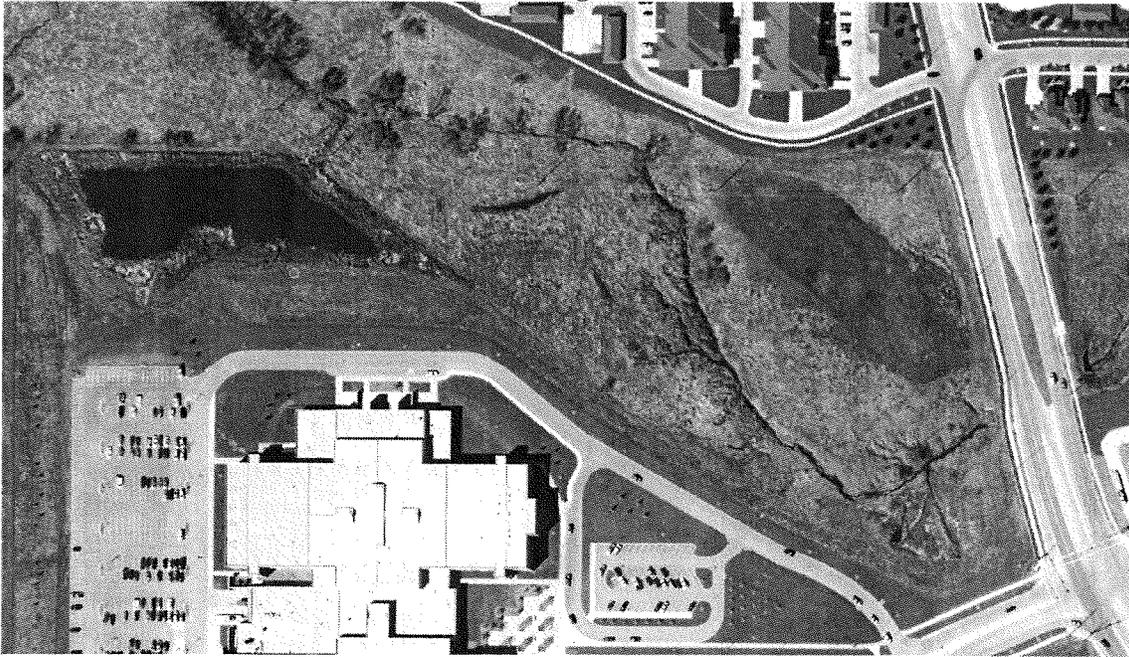
The Site was purchased by the LPS in January 1999 as part of a project to build a new school. A small pond on the west side of the Site was excavated when the school was constructed. The Site is heavily utilized by many teachers and disciplines from the science department to the English department.

The Grounds Department of LPS currently provides minimal ground management of the Site. Areas closest to the school are mowed during normal maintenance of the school grounds. A physical description of the Site is summarized in Table 1.

Table 1. Physical Description of the North Star Wetland

State	Nebraska
County	Lancaster County
Latitude	40° 03' 45"
Longitude	96° 41' 40"
Section, Township, Range (dam)	Section 12, T 1 North, R 6 East
Surface Area	10.3 acres
Watershed Area Above Wetland	1,438.7 acres

Image 1. 2008 Aerial Image of North Star Wetland



Description of Problem

The construction of North Star High School was completed in 2003. Fletcher Ave/33rd St, which is east of the site, was extended south in conjunction with the construction of the school and required a box culvert to be installed to cross the tributary. The invert elevation of the box culvert was lower than the bed elevation of the tributary and over time, the bed of the tributary started to erode to match the invert elevation of the box culvert. The lowering of the bed elevation caused the banks of the tributary to slough resulting in sediment being carried downstream. The erosion of the tributary has severely degraded the quality of the wetland. In addition, rill erosion has created deep channels leading to the tributary that are a safety hazard to those that use the Site.

The existing pond has a maximum depth of 2.8 feet and is surrounded by a thick, wide bed of cattails. The actual edge of the pond is on the outside edge of the cattails making it difficult to access the pond. Also, flow from the watershed has deposited sediment in the pond and has decreased the overall depth and diversity of species in the pond.

Project Description

The North Star Wetland Enhancement and Education Project will occur in two phases. The first phase included conceptual and draft design, permitting, and educational planning. The first phase has been completed with funding provided by the City of Lincoln and LPSNRD. The second phase of the project will include final design and construction of the project. The following sections provide a summary of the proposed elements and benefits.

Wetland Renovation/Protection

The tributary will have a 5 to 15 foot wide bottom, 3:1 side slopes on the east side, 6:1 side slopes on the west, and the slope of the proposed tributary will be 0.5%. This slope will closely match the natural slope of the tributary and provide a maximum water velocity of 6 feet per second during a 10 year storm.

To achieve the 0.5% grade, the tributary bottom will be raised in a section by bringing in fill from offsite and installing grade control structures. The rill erosions along the west side of the tributary will also be filled in with borrowed soil.

A training dike will be constructed to route water running over the Site between the pond and the tributary and prevent the development of more rill erosions. This training dike will control the flow of water from the pond and assist the main tributary in routing the 10 year storm. The training dike will have a 4 foot top, 3:1 side slopes and the side slopes will be vegetated. Water captured by the training dike will enter the main tributary through a riprap lined spillway.

The elevation of the tributary will be controlled by three grade control structures. Two of the three grade control structures will consist of 1 row of sheet pile driven 15 to 18 feet deep, perpendicular to the flow of the tributary, and covered in riprap to prevent erosion. Downstream of the sheet pile the tributary will be lined with riprap and the slope will increase to 10% to route the water safely to a lower elevation. The third grade control structure will consist of a concrete weir near Fletcher Ave/33rd St with a 4" diameter drain pipe through the bottom of the weir.

The edges of the pond will be excavated to provide water depths between 0 and 2.5 feet. The shallow end will allow the students to safely wade into the pond.

The side slopes of the pond will be at a 3:1 grade. The 3:1 slope will decrease the footprint of the cattail growth around the pond. An ADA designed ramp will be constructed to give students with disabilities access to the shore of the pond. The ADA sidewalk will end at the shore of the pond and a concrete ramp with grooves for traction will provide students a weed free path to enter the pond.

Education

Educating young students on science process skills can often be better accomplished through direct contact with the environment. Several of these benefits include observing, classifying, communicating, describing, and defining operationally. The wetland is an endless source of examples for teaching: migration (red-wing blackbirds); competition and hibernation (frogs); biodiversity (insects); territoriality (nesting geese); algae (food chains); variation (native grasses); struggle for existence (snail eggs, frog eggs); and food webs.

Tracy Chapo, who teaches Biology and Environmental Studies at North Star High School, has used the wetland as a “living laboratory” since North Star High School opened. This wetland has become an important teaching tool that has and will continue to facilitate educational opportunities in the following areas:

- Conduct an environmental inquiry measuring the effect of an abiotic factor on a population.

One year, students identified 2 areas differing in only one primary variable (ex. salinity of soil, amount of sunlight, wetness of soil, or size of pond) and did a study to determine the number of species and number of individuals of each for each area. Another year, students collected data for over 2 weeks comparing the temperature of the pond to the number of species and number of specimens found in a proscribed sweep of a net.

- Conduct a review of the cell theory.

The collection of water samples from the pond for students to examine for protozoans is far more interesting to students than prepared slides and gives them an opportunity to practice using a microscope.

- Review how biological classifications are based on how organisms are related.

Aquatic macroinvertebrates are collected and used to develop a dichotomous key.

- Review how behaviors evolved through natural selection.

When a killdeer nest is located, students are shown the predictable wing-drag behavior designed to lure predators away from the vulnerable nest.

- Study how external stimuli affect internal changes that can lead to changes in behavior.

Students meet at the Site to hear the choral frogs during spring courtship.

- Evaluate solutions for the harmful effects of human impacts on the environment.

Students remove trash from the wetland on an annual basis.

- Define unique areas of the wetland using GPS capabilities.

Students use a GPS to navigate to different areas of the wetland and describe what makes them unique. This includes a “collection” of wetland plants with a digital camera, using aquatic macroinvertebrate guides to identify insects, journaling, and looking for signs of life in the winter.

The enhancement/protection of the North Star Wetland will allow multiple faculty to use this as an educational tool. Some of those include:

Melanie Farber, English Department Chair

“If I could get my kids more easily to the wetlands, we would do writing marathons outdoors as well as spend time outside when we work on writing about place.”

Erin Miles, Biology Teacher

“I plan to use the wetlands as an outdoor biology lab, allowing students to observe, first hand, some of the concepts taught in class. The wetlands will serve as a tool for helping the students use higher levels of thinking to make connections between what they see, hear, and feel with what they have learned.”

Floyd Doughty, Science Department Chair

“My physics and honor physics classes will use the wetlands to study: bird and insect velocities, accelerations, and flight dynamics; water flow rates (motion) and fluid dynamics; measure earth's magnetic field and natural electric fields; thermal studies of natural non-conductors like grasses and frost formation and temperature inversions and ice formation in the pond; and use photo/video analysis of the pond for waves and ripples studies.”

James Blake, Chemistry Teacher

“I will use the wetland in chemistry and differential chemistry to monitor: pH of the water, conductivity of the water, labs on types of matter, and changes of state.”

Emily Seifferlein, Geoscience Teacher

“My Geoscience classes have used the wetlands to look at examples of sedimentary deposits and tracks left by animals (trace fossils).”

Becky Tegeler, Counselor

“As a 9th grade Counselor, working with over 80 identified students that receive Special Education services, I utilize the wetland area for relaxation/de-escalation purposes with my students. In tense situations when a student needs to get away from a difficult student or needs a quiet place to regain composure, the wetland serves as a wonderful place to observe nature in simple ways, calms kids down, and allows for a peaceful re-entry to their academic day.”

Shawnie Motschenbacher, FCR Department Chair

“My FCR students will use it for our Science class to explore a variety of activities in the environment, sights, sounds, tactile. Our FCR Work Skills will participate in keeping with our "Green" theme - picking up trash.”

Matt Avey, Physical Education Department Chair

“Physical Education courses (specifically Lifetime Sports and Fitness For Life) would be able to use the wetlands to complete a variety of objectives within their flyfishing unit

under the guidelines of the National Flyfishing in Schools Program Curriculum. Current objectives within the curriculum combine this outdoor activity with skill training and knowledge of the sport. In addition, the learning targets for the curriculum include basic aquatic entomology, "leave no trace" ethics, and freshwater ecology."

Wayne Schaber, Special Education Teacher

"My Literature Class students will use the wetland classroom as a place to experience the reading of several legends and myths from various cultures. Then, the students will have structured time to write creative endings to the while they are out in nature. As well, we will record what see, hear, smell, and feel in the wetland how it affects us as readers and as participants in the story completion process. Finally, the wetland will give us inspiration as we draw what we see and/or pick plants to draw and describe in greater detail once we return to the classroom. We may also take digital pictures to add to the stories we write."

Evaluation Criteria

This project will rely heavily on photo documentation to determine the success of the project. Degraded areas of the wetland that are the focus of renovation/protection measures will be the primary focus for photo documentation. Documentation will be performed prior to, during, and after construction activities have been completed.

Section 319 Project Goal and Objectives

Goal 1. To restore the functional value of the wetland and provide a safe environment for educational uses.

Objective 1. Fill in rill erosion to allow for wetland plant establishment.

Objective 2. Control surface flow through the wetland to minimize erosion.

Objective 3. Create a deeper area in the pond to provide open water, increase diversity, and increase the life of the pond by creating a deeper area for sediment accumulation.

Objective 4. Enhance student access to the wetland.

Load Reduction

Sediment and nutrient loading downstream will be reduced by repairing existing erosion areas, controlling water flow, and allowing vegetation to get established.

Project Partners

Partners on this project include the City of Lincoln, Lower Platte South Natural Resources District, North Star High School, EA Engineering, Science, and Technology Inc., and Nebraska Department of Environmental Quality. The City of Lincoln will take the lead on project bidding and construction.

Monitoring

While no specific monitoring will be conducted as part of this design project, some educational monitoring may be conducted by students prior to project completion.

Schedule and Milestones

The project schedule showing the commencement and duration of phases is shown in the following table.

Table 2. North Star Wetland Project Schedule

Task	Date
Notice to Proceed	February 2010
Conceptual Design Submittal	May 2010
Draft Design Submittal	July 2010
Final Design Submittal	June 2011
Construction Start – End	July 2011 – December 2011

Resources

Preliminary/final design and permitting work was completed prior to this project and was funded by the LPSNRD and City of Lincoln at a cost of \$63,152. The total cost of this project is estimated to be \$262,438. Of this amount, Section 319 will provide \$144,074 and the City of Lincoln/LPSNRD will provide \$118,364. A breakdown of costs are provided in Table 3.

Table 3. North Star Wetland Project Cost

Activity	Section 319 USEPA/NDEQ	City of Lincoln/LPSNRD(b)	Total Cost
Construction Activities (a)	\$137,574	\$91,716	\$229,290
Construction Oversight		\$26,648	\$26,648
Project Signage	\$6,500		\$6,500
TOTAL	\$144,074	\$118,364	\$262,438

(a) See cost breakdown provided in Attachment A.

(b) Project Match

Attachments

A – Construction Cost Estimate

B – Proposed Site Plan