Nebraska Information Technology Commission

Project Proposal Form

**New or Additional State Funding Requests
for Information Technology Projects**

FY2005-07 Biennium

Project Title	**NECTAR**
Agency/Entity	**NDOR - ISD**

About this form…

The Nebraska Information Technology Commission ("NITC") is required by statute to "make recommendations on technology investments to the Governor and the Legislature, including a prioritized list of projects, reviewed by the technical panel, for which new or additional funding is requested." In order to perform this review, the NITC and DAS-Budget Division require agencies/entities to complete this form when requesting new or additional funding for technology projects. For more information, see the document entitled "Guidance on Information Technology Related Budget Requests" available at http://www.nitc.state.ne.us/forms/.

Electronic versions of this form are available at http://www.nitc.state.ne.us/forms/.

For questions or comments about this form, contact the Office of the CIO/NITC at:

Mail: Office of the CIO/NITC
521 S 14th Street, Suite 301
Lincoln, NE 68508
Phone: (402) 471-3560
Fax: (402) 471-4608
E-mail: info@cio.state.ne.us

Submission of Form

Completed forms must be submitted by the same date biennial budget requests are required to be submitted to the DAS Budget Division. Completed project proposal forms must be submitted via e-mail to info@cio.state.ne.us. The project proposal form should be submitted as an attachment in one of these formats: Microsoft Word; WordPerfect; Adobe PDF; or Rich Text Format. Receipt of the form by the Office of the CIO will be confirmed by e-mail. If an agency is unable to submit the application as described, contact the Office of the CIO prior to the deadline, to make other arrangements for submitting a project proposal form.

Section I: General Information

Project Title	Nebraska Enterprise Centerline Transportation Attribute Resource (NECTAR)
Agency (or entity)	Nebraska Dept. of Roads

Contact Information for this Project:

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Section II: Executive Summary

Provide a one or two paragraph summary of the proposed project. This summary will be used in other externally distributed documents and should therefore clearly and succinctly describe the project and the information technology required.

The Nebraska Enterprise Centerline Transportation Attribute Resource (NECTAR) is an Intranet web-based Geographic Information Systems (GIS) decision-support tool developed by the NDOR Information Systems Division using web-mapping technology. It allows the user to query multiple databases containing road, bridge, railroad, average daily traffic (ADT) location, and a variety of other transportation data and map the results. Reports may also be generated using the data.

Section III: Goals, Objectives, and Projected Outcomes (15 Points)

1. Describe the project, including:
   - Specific goals and objectives;
   - Expected beneficiaries of the project; and
   - Expected outcomes.

   1. Establish GIS as an integral part of the way the Department conducts business, and distribute the technology throughout the organization
   2. Gain cooperation and buy-in for GIS through marketing, education, training and a support structure throughout the Department
   3. Improve NDOR personnel's access to and understanding of data for GIS analysis
   4. Provide simple to use, direct access to data for GIS analysis, especially through Web-enabled interfaces
   5. Overcome the data access "roadblock" which exists because most of the databases are on the DAS mainframe
   6. Extend GIS capabilities to District Offices

2. Describe the measurement and assessment methods that will verify that the project outcomes have been achieved.

   None have bee established

3. Describe the project's relationship to your agency comprehensive information technology plan.

Section IV: Project Justification / Business Case (25 Points)

4. Provide the project justification in terms of tangible benefits (i.e. economic return on investment) and/or intangible benefits (e.g. additional services for customers).

   Provide NDOR with a GIS application that provides a user-friendly exchange of current information"

5. Describe other solutions that were evaluated, including their strengths and weaknesses, and why they were rejected. Explain the implications of doing nothing and why this option is not acceptable.

    We are an Intergraph shop so no other solutions were evaluated.

6. If the project is the result of a state or federal mandate, please specify the mandate being addressed.

    N/A

Section V: Technical Impact (20 Points)

7. Describe how the project enhances, changes or replaces present technology systems, or implements a new technology system. Describe the technical elements of the project, including hardware, software, and communications requirements. Describe the strengths and weaknesses of the proposed solution.

    The application implemented web-mapping technology and uses Intergraph's GeoMedia Web Map V5.0, DB2, Access and Smartstore Warehouse databases, the Active CGM Plug-in and Java Script, ASP, XML and HTML Code.

8. Address the following issues with respect to the proposed technology:
    - Describe the reliability, security and scalability (future needs for growth or adaptation) of the technology.
    - Address conformity with applicable NITC technical standards and guidelines (available at http://www.nitc.state.ne.us/standards/) and generally accepted industry standards.
    - Address the compatibility with existing institutional and/or statewide infrastructure.

Section VI: Preliminary Plan for Implementation (10 Points)

9. Describe the preliminary plans for implementing the project. Identify project sponsor(s) and examine stakeholder acceptance. Describe the project team, including their roles, responsibilities, and experience.

    Since the application is already implemented, the project will be for enhancements.

10. List the major milestones and/or deliverables and provide a timeline for completing each.

    Enhancements will be done at the request of users.

11. Describe the training and staff development requirements.

    None

12. Describe the ongoing support requirements.

    Present developers, database staff and network personnel will be used.

Section VII: Risk Assessment (10 Points)

13. Describe possible barriers and risks related to the project and the relative importance of each.

None have been identified

14. Identify strategies which have been developed to minimize risks.

None

Section VIII: Financial Analysis and Budget (20 Points)

15. Financial Information

Financial and budget information can be provided in either of the following ways:

(1) If the information is available in some other format, either cut and paste the information into this document or transmit the information with this form; or

(2) Provide the information by completing the spreadsheet provided below.

Instructions: Double click on the Microsoft Excel icon below. An imbedded Excel spreadsheet will be launched. Input the appropriate financial information. Close the spreadsheet. The information you entered will automatically be saved with this document. If you want to review or revise the financial information, repeat the process just described.

Excel Spreadsheet
(Double-click)

16. Provide a detailed description of the budget items listed above. Include:
- An itemized list of hardware and software.
- If new FTE positions are included in the request, please provide a breakdown by position, including separate totals for salary and fringe benefits.
- Provide any on-going operation and replacement costs not included above, including funding source if known.
- Provide a breakdown of all non-state funding sources and funds provided per source.

17. Please indicate where the funding requested for this project can be found in the agency budget request, including program numbers.