

Agency	Project	FY2005-06	FY2006-07
Department of Roads	Nebraska Enterprise Centerline Transportation Attribute Resource (NECTAR)	\$ 50,000	\$ 50,000

SUMMARY OF REQUEST (Executive Summary from the Proposal)

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.

FUNDING SUMMARY

No financial information provided.

PROJECT SCORE

Section	Reviewer 1	Reviewer 2	Reviewer 3	Mean	Maximum Possible
III: Goals, Objectives, and Projected Outcomes	11	7	14	10.7	15
IV: Project Justification / Business Case	15	12	24	17.0	25
V: Technical Impact	12	5	19	12.0	20
IV: Preliminary Plan for Implementation	6	2	10	6.0	10
VII: Risk Assessment	6	0	9	5.0	10
VIII: Financial Analysis and Budget	0	0	13	4.3	20
TOTAL				55	100

REVIEWER COMMENTS

Section	Strengths	Weaknesses
III: Goals, Objectives, and Projected Outcomes	- Goals and objectives are valid - This project will greatly expand and broaden access to and the usability of the agency's GIS and associated data. By moving this system to a web-based application, it will greatly enhance individual (non-GIS expert) users access to and query of the agency's data. This is particularly important in terms of providing access to remote sites, such as the agency's District Offices. There is also growing interest within local governments to build on this proposed system to input and maintain local data related to local transportation systems and related infrastructure, which would in turn potentially make this local data available to state agencies and programs, such as Homeland Security and emergency response. Moving these systems to the web is an industry trend and a cost-effective technology trend that takes these applications out of a centralized office, with limited access, and makes them available to a much broader user community.	- No description of project other than the executive summary. No real answers to questions 2 and 3. Answer to question 9 implies this project is already complete. - The major weakness on this project proposal is will how the Project Proposal Form was completed, instead of the project itself. It would have been nice to have had a little more narrative information on how this project integrates with NDOR's comprehensive technology plan, however because I have set in on some of those discussions, I am comfortable with the level of coordination that is occurring.
IV: Project Justification / Business Case	- A major justification for this project is the degree to which it will greatly leverage the existing investments that NDOR has made in developing its GIS system. Moving it to a web-based application will allow many more users to access	- No other solutions were evaluated. Justification is weak considering the application is already complete, based on the answer to question 9.

Section	Strengths	Weaknesses
	<p>the data and with the potential for local government use, it has the potential to provide a cost-effective means for local governments to collect and access this type of data, which will also make this local data available at the state level. Relative to exploring other solutions, I concur with the agency's assessment that since they are an Intergraph-based system, it makes sense to follow through with those integrated product applications. It is important to note that the data can be easily translated to other GIS systems.</p>	
V: Technical Impact	<p>- The software approach of this project is one that is mainstream and based on open-system technology. While the Intergraph GIS software used by NDOR is not a system that is widely used in Nebraska, it is a system that is well suited to NDOR engineering/GIS applications, and it is designed to provide easy, reliable import and export of data to open-GIS standards.</p>	<p>- No answer to question 8. Answer to 7 implies project is already implemented. Does not discuss hardware needs.</p>
VI: Preliminary Plan for Implementation	<p>- Project is already implemented. - As noted in the project proposal, much work has already occurred in implementing this basic project. Now that the results of this pilot effort are available to be seen, there is growing interest in building on additional applications, both within the agency and with local governments. I believe there is adequate support available both from within the agency and from developers for this general approach and product.</p>	<p>- Project is already implemented. Why submit project proposal for a project that is already complete. If it is for enhancements, then no enhancements were identified.</p>
VII: Risk Assessment	<p>- The software upon which this project is based has a considerable longevity, reliability, and support both within the agency and external to NDOR. While the movement to the web is relatively new, there is a considerable level of expertise with NDOR related to the software upon which this project is based.</p>	<p>- No evaluation completed. - There are two potential area of risk with this project that occur to me. One area is how they will move this system from an internal agency-only access to the system to allow external access. The other potential risk is the fact that NDOR is an Intergraph shop and most other users in Nebraska are ESRI-based, including local governments. However, even those these concerns were not mentioned in the project proposal, I believe that the agency is aware of them and is proceeding at a deliberate pace to work through these potential areas of concern.</p>
VIII: Financial Analysis and Budget		<p>- No answers to these questions. - Apparently no budget or financial analysis information provided</p>