Nebraska State
Records Board
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Lincoln, NE 68508
(402) 471-2745

John A. Gale
Chairman

APPLICATION FOR STATE RECORDS BOARD GRANT TO IMPROVE ACCESS TO PUBLIC INFORMATION

The Nebraska State Records Board is sponsoring a grant program for Nebraska government agencies for the development of programs and technology to improve electronic access to state government information and services. Grants will be awarded for one time funding of small projects. No grant request shall exceed $25,000.00. The grants may be used for the creation or enhancement of electronic access and delivery of government services and information, but not to fund ongoing operations. Nebraska government agencies wishing to apply for these grants may want to first contact Nebraska.gov to establish feasibility and scope of the project.

Applications received by May 6, 2013 will be considered for funding by the NE State Records Board at their meeting on July 31, 2013.

NOTE: Loss of Funding. The NE State Records Board may be unable to award grant funds, in whole or in part, in the event funding is no longer available.

Grant Criteria

Grant projects requesting funding must meet criteria #1-3.

1. Enhance the delivery of local government agency services and improve the public and business access to those services.
2. Meet the all applicable Nebraska Information Technology Commission Standards and Guidelines. State's technology access clause for providing equal access to services for persons with disabilities. A copy of the technology access clause is available at: http://www.nitc.state.ne.us/standards/index.html under 2. Accessibility Architecture.
3. If the project or service created or improved pursuant to the grant application involves the licensing, permitting or regulation of businesses, then the project or service must allow integration with the State of Nebraska's Business Portal at: http://www.nebraska.gov/index.phtml?section=business, and the One-Stop Online Business Registration System at: http://www.nebraska.gov/osbr/cgi/domestic.cgi?/osbraapplication/init/init/None.

In addition, the following criteria will be considered when reviewing applications:

- Does the project enhance the delivery of state/local government agency services and improve the public, government and business access to those services?
- Does the project reduce the amount of reliance on human capital, paper, and office overhead?
- Does the project span more than one office or agency?
- What is the size of the customer base for this service and the geographic impact?
- Is there financial and or in kind contribution from other partners?
- Is there documented community support for the project?

Responses are required to all questions in Parts I , II & III in order to be considered for funding:

Part I. Grant Summary

1. **Name of agency applying for grant:** Deuel County

2. **Title of project:** County WebGIS

3. **Brief description of project:** The project includes building a WebGIS application that will link to the existing MIPS PC database used in the Assessor's Office to promote online access to public records by citizens, business, other county departments, and other local/county/regional/state agencies. The WebGIS application will contain tabs for both the Assessor Department as well as the Roads Department.

4. **Grant amount requested:** $16,600

5. **If the grant is to create an application, is the application to have a fee associated with its use for accessing public records, or is the application free for use by the public, businesses and other governmental agencies?**

The WebGIS is a website application from which the public can access all available landowner ownership records. This information is initially made freely accessible to the public, businesses, and other governmental agencies.

The vendor (GISW) indicated that as a result of the 2011 SRBG application discussions, the SRBG board promoted the concept of a subscription based option which would allow the County to offer advanced sales information on a subscription basis to end users such as realtors, bankers, insurance and other business professionals. The County has not yet made a

determination if they will select the subscription-based option but will do this during the Scope of Work development process with the vendor.

If there is to be a fee, provide any statutory authorization for assessing the fee.

The County has not yet made a determination if they will select the subscription-based option but will do this during the Scope of Work development process with the vendor. Any fee will be consistent with other Nebraska Counties who are using a subscription-based format.

6. **Answer the following questions if the grant application is for a Geographic Information System / Geospatial project. If your answer to any of these questions is "no", please explain.**

a. **Do you and the agency you represent agree to provide the data created through the project electronically by means of a geodatabase collected in your project, without costs, with other government agencies in the State that may have a need for such data?**

   A complete set of data in the form of a geodatabase (spatial, attribute, and metadata) will be provided to the NE Office of the Chief Information Officer within 30 days of completion of project. The data provided will need to meet the Land Record Information and Mapping Standards outlined in the supplemental questionnaire. Future updates to the geodatabase, after implementation of the project, will also need to be made available to the NE Office of the Chief Information Officer at no cost.

Non Applicable: there will be no data created through this project.

b. **If your project incorporates web mapping services, are you willing to make use of current state resources by linking your project to web and data services that are maintained through other online state agency repositories? This would be for data not created by your project but is needed for your project to be effective (ie, base maps such as aerial imagery, street centerlines, and other authoritative base map data provided as a service through NebraskaMAP.gov).**

All background data necessary for this project will be provided by the vendor.

c. **If your project will be creating web mapping services, are you willing to make available the web services (ie, REST service), without costs, by registering the web service through the NebraskaMAP.gov metadata portal?**

The County will not be creating this system, nor hosting it. We will not have control any of the services that may be created as part of this project.

Part II. Grant Detail

1. **Please describe the project in detail, to include your vision for the project. (You may attach this description).**

Deuel County has a GIS already in place with the Assessor's office. The County also has a website that provides basic information in text format without any mapping capability. The County wants to embrace WebGIS technology for enhanced access to information, mapping and functionality – see Attachment 1 for GISW's proposal.

As an initial phase, Deuel County's WebGIS will feature the core Assessor Tab in addition to a Roads tab containing information specific to the Roads Department. As the Highway Superintendent also acts as the Planning/Zoning Administrator, having all necessary data and information in the same central and easy to access site would be an invaluable tool. In addition to these two departments, other County departments will also benefit from the WebGIS application. The Deuel County Board of Commissioners is excited about the opportunity for offices such as Treasurer, Weeds and Election Commissioner/Register of Deeds to build upon the land records foundation to create a one-stop web-enabled interface to County data. The Clerk and Treasurer will also benefit from easy access to land records information. The Weeds department will use the application for determining property owners and property location for spraying noxious weeds and issuing notices to landowners. The County Election Office will better determine exact voter precinct maps and voters will be able to access the redistricted commissioner boundary maps.

The WebGIS will also be helpful to other entities in the Courthouse. For example, the Treasurer's Office will be able to use it for tax inquiries. It will also benefit both fire and rescue departments to aid in their situational awareness when responding to emergencies.

The WebGIS will be developed and maintained by the vendor, GIS Workshop, Inc. It will provide public access to query the assessment database by property owner, address, and parcel ID numbers. If the above are unknown, the WebGIS also includes an option to manually select a parcel and from the map to query the database.

The Deuel County Board, Assessor, Highway Superintendent, and many others feel strongly that this WebGIS application will be useful by increasing efficiency for everyone accessing County public records. The web-based environment also enables the general public to access this information at any time.

2. **Please describe who the beneficiary or recipient of this service will be.**

Anyone interested in land records information for Deuel County will benefit from this project. County offices of Assessor, Clerk/Election Commissioner, Register of Deeds, Treasurer, Emergency Manager, Sheriff, Roads, Planning/Zoning, Surveyor and Weeds will benefit

from this program. Property owners, banks, insurance companies, appraisers, realtors and attorneys will have access to the property assessment and valuation information at no cost to them. Partner agencies such as the Natural Resources Districts and various State agencies such as the Nebraska State Patrol and Nebraska Department of Roads will also benefit from easy access to the County data. Efficiencies realized from 24/7 access will result in increased productivity and cost savings for both public and private entities.

3. **What is the projected activity for access or use of the proposed service?**

The primary use of the WebGIS application will be land record information searches by the general public and other county departments and government agencies.

4. **Timeline for implementation of the project (a specific completion date (MM/YYYY) must be provided). Grant funds may lapse if not expended prior to completion date.**

The vendor confirms this project will be completed no later than December 31st, 2013.

5. **Please specify in detail your, or any other Subdivision(s) contribution to the project (financial, labor, equipment etc.). Provide specific dollar amounts.**

Deuel County Assessor, Roads, and the GIS Department will be assisting in compiling information, data entry, and maintaining current data to ensure all information is correct and up to date. The vendor will be designing and building the WebGIS, coordinating with the County, and hosting/maintaining the site going forward. The Deuel County Assessor and Roads staff will participate in GIS training provided by an approved Esri training from GIS Workshop, Inc.

6. **Is other funding available for this project (explain)? Please explain what efforts your agency has made to obtain funding.**

No other funding has been sought for this project.

7. **Does the project require additional statutory authority (explain)?**

No.

8. **Specify (in detail) what the grant money will be used for. Include a complete cost breakdown of the project. Please attach bids from vendors (if applicable) and describe the relationship, if any, between a vendor and you or your agency.**

We will contract with vendor to develop the WebGIS for Deuel County. Attachment 1 contains a bid provided by the vendor. The bid will include the development of a public facing WebGIS site for the county which will provide access 24/7 to available property ownership information. The total amount of grant money awarded to Deuel County will be used to defray the following initial WebGIS development expense.

9. **Why the grant money is needed for the project, and, if applicable, how will the service be sustained once the grant money is expended?**

The grant money is needed to improve public access to important County information and to increase office efficiency in the future. Deuel County will agree to maintain the program and any fees that go along with it to keep the system up and running for future years through budgeting of this County-wide WebGIS project and by making it a priority.

10. **Should available fund not allow the NSRB to grant the full amount requested, but a reduced amount, would this project still be financially feasible?**

Although we at Deuel County would prefer to receive the full allocation for this project, we believe we could still perform this project with a slight reduction in funding.

11. **Please describe how this project will enhance the delivery of government agency services and improve the public and/or business access to those services.**

The WebGIS application that is included as part of this project is a proven system for delivering tax assessment and related information. The application allows the user to submit queries to the MIPS PC database containing tax assessment information. The Property Record Card component of the WebGIS has several customized reports, derived from this database, containing land record information that are valuable to real estate professionals, citizens and other government agencies. The web-enabled application also shows photos and sketches from the Assessor's database.

As a small, rural community of less than 2,000, the Deuel County taxpayers would greatly benefit from having online access to both property records in addition to Roads and Zoning information.

12. **Please describe how this project will improve the efficiency of agency operations.**

This project will make the assessment/appraisal information available to the other county departments as well as anyone with internet access in an easy to use interface that will become the foundation for information access at the county. The WebGIS is a proven system in use in over 60% of the counties in Nebraska which has successfully reduced the number of calls into the Assessor's Office and increased overall efficiency in the department. The system will promote information sharing amongst city and county departments while reducing duplications of effort. With limited county staff available, any time saved would be a huge benefit for us. In addition, other departments such as may start using GIS technology more cost effectively.

In addition to textual database information and photos/sketches, the WebGIS application also includes GIS data layers such as land use, soils and aerial photography which are all valuable for visualizing information associated with government records. In addition, the Roads tab on the WebGIS application contains GIS data layers of roads, bridges, and culverts which will be useful to not only the county but the general public.

13. **Please describe how this project will facilitate collaboration between either local, state, federal and/or other public or private institutions.**

The information contained in the WebGIS will be available for all interested parties and institutions. The information and availability on the WebGIS will be used by nearly all local county departments as well as fire and ambulance departments.

14. **Does the project involve the licensing, permitting or regulation of business? If yes, explain how the project or service will allow integration with the State of Nebraska's Business Portal, located at: http://www.nebraska.gov/index.phtml?section=business, and the One-Stop Online Business registration system located at: https://www.nebraska.gov/osbr/index.cgi**

No, this does not apply to this project.

15. **Community Support. Please include letters of support to document the public expression that has caused you to implement this application.**

Attachment 2 contains numerous letters of support from the Deuel County community. We have received much support from the entire community include business professionals and taxpayers.

Part III. Technical Information

1. **Describe the hardware, software, and communications needed for this project and explain why these choices were made.**

The vendor supplies all the specialized hardware, software and expertise for this project. Because of the very specialized nature of the project, we believe this is a much more cost effective approach than Deuel County trying to buy, install and maintain all the specialized hardware, software, etc. County staff, as well as external users, will access the system using a standard internet browser such as Internet Explorer or Firefox. Internet access is the only requirement for access to the data contained in the WebGIS; no other software and no specific hardware is needed. We feel this will provide the most wide-spread access possible for users across the county. For persons that do not have Internet access, the Public Library supplies several computers for this service at no charge.

2. **Address any technical issues with the proposed technology including:**

   - **Conformity with general accepted industry standards. Projects which interface with other state systems (such as distance learning systems, geospatial data and web services network) must meet NITC technical**

standards and guidelines. (The NITC standards and guidelines are located at: http://www.nitc.state.ne.us/standards/).

- **Compatibility with existing institutional and/or statewide infrastructure.**
- **Reliability, security and scalability (future needs for growth or adaptation).**
- **Sustainability (ability to manage future maintenance)**
- **Items in non-compliance or becoming outdated after completion of project**

As we understand from the vendor, the WebGIS uses industry standard (Esri) technology. The WebGIS does not need to interface with other external systems (although it has the capability to do so). The WebGIS meets applicable NITC standards.

The GIS system will interface with the current institutional infrastructure (MIPS PC or any other CAMA provider selected in the future) and database systems in use in Deuel County today.

The GISW WebGIS interface is in use in numerous Nebraska counties with proven reliability. Since it is based on Esri technology, the application is scalable and GISW continues to add features based on input from clients. The WebGIS application also has security features for layers that contain sensitive information and for protecting features such as the Land Use Calculator Tool from unauthorized use. The proven system is both reliable, sustainable, and due to continual updates and improvements made by GISW, will remain relevant and useful for an indefinite period of time.

3. **Describe how the project will comply with the State's Technology Access Clause: meet all applicable Nebraska Information Technology Commission Standards and Guidelines. A copy of the Standards are available at: http://www.nitc.state.ne.us/standards/index.html. under 2. Accessibility Architecture.**

The WebGIS for Deuel County will be built and designed by the vendor, with adherence to standards established by the State of Nebraska (where applicable). The digital map database has been developed using the Nebraska State Plane Coordinate System, NAD83 as per State/NITC guidelines

4. **Describe how technical support will be provided.**

As part of our hosting agreement with the vendor, they have a dedicated technical support staff that is available at any time during business hours to service the County's needs.

Part IV. STATE LAW COMPLIANCE

Nebraska law, sections 4-108 through 4-114 state that no political subdivision of the State shall provide public benefits, to include grants or contracts, to a person not lawfully present in the United States. If this application is awarded in whole or in part, and during

the time the grant is in effect, the undersigned, on behalf of the political subdivision grant applicant, by signing this grant application, affirmatively states and acknowledges that the political subdivision will comply with this law.

Part V. CONTACT INFORMATION & SIGNATURE

Contact person, and title, for any questions regarding this application:

Jean M. Timm — Printed Name

Deuel County Assessor — Title

Phone # (308) 874-2608 **E-mail** jtimm@deuel.nacone.org

Physical Address: 718 3rd ST.
Chappell, NE 69129

I, the Authorized Representative of Deuel County, certify to the Nebraska State Records Board that the applicant/agency has the necessary authority to undertake the proposed project, will comply with Affirmative Action requirements and provide a drug free workplace environment.

Signed this 17th **day of** April, **2013**

Jean M. Timm
Agency Director

Please return completed application to:

Executive Director
Nebraska State Records Board
440 South 8th Street, Suite 210
Lincoln, NE 68508-2294
(402) 471-2745
(402) 471-2406 (fax)

Board Staff use only, do not fill in below this line
Grant Request Number: _____ Date Request Received: _____
Grant Amt Requested: _____ Grant Request Score: _____
Technical Comm. Recommendation: _____
Grant Disposition: _____ Date of Mtg Minutes: _____

(Last updated 02/15/2013)

Supplemental Questionnaire for State Funded Entities working on Land Record Information and Mapping-Related Grant Applications

Nebraska State Records Board

If you have indicated in the State Records Board Grant that your project is for a Geographic Information Systems / Geospatial project you are required to complete this supplemental questionnaire. Submit this questionnaire along with the State Records Board Grant Application.

Name of agency applying for grant: Deuel County, Nebraska

Title of Project: County WebGIS

Data Sharing / Data Integration

A major focus of the State Records Board grant program is enhancing access to public records. Not only the general public, but also other public agencies benefit from facilitating access to public records. There are numerous applications for which substantial benefits can be derived by integrating data across jurisdictional boundaries. Other geospatial data and metadata repositories maintained by state agencies should be integrated into projects where possible, as not to reduplicate efforts. The Nebraska Information Technology Commission (NITC) has implemented land record information and mapping standards and guidelines. Even though data sharing and integration is not listed specifically as a NITC standard it is promoted when possible. It is also an interest of the State Records Board to promote data sharing and data integration.

Please describe whether your agency would be willing to share periodic updates of GIS/Geospatial enabled property parcel data, such that other agencies might integrate that data into statewide or regional datasets to provide a resource for public agencies and the general public and any restrictions that you anticipate might apply. Use additional pages if necessary.

Deuel County is willing to provide access to the best our abilities and participate in data sharing events that will benefit public and governmental agencies in the State of Nebraska.

Collaboration and Sustainability

In most instances, the development of a local government GIS system and the related geospatial data involves a fairly costly initial upfront investment along with long-term maintenance and sustainability costs. These costs are frequently offset by the benefits gained through coordination and collaboration that an integrated GIS can bring to local/state government and related public entities. For example, with property parcel data and maps the County Register of Deeds, the County Surveyor, and the County Assessor all frequently maintain and make changes to aspects of this data and the data is also commonly used by local public safety agencies, local emergency responders, local transportation agencies and state agencies such as the Dept. of Revenue, Dept. of Roads, and Game and Parks Commission. After a grant initiated project has been completed, there is the task of maintaining the GIS system, updating geospatial data, integration with other local/state GIS systems, and making the system sustainable over time.

Please describe the level and nature of any multi-agency/department involvement in the planning and proposed management of your proposed GIS/Geospatial system. Indicate how you plan to address future maintenance, sustainability, and integration opportunities with

other local and state GIS systems. Use additional pages if necessary.

Deuel County is willing to pay the ongoing hosting and maintenance costs of the WebGIS going forward as the benefits will be significant. The Assessor and Roads tabs are the first step in setting up the enterprise WebGIS for the county, but it is our hope that additional county departments will be developed in the near future leveraging the initial investment in GIS. As the Highway Superintendent also acts as the Planning/Zoning Administrator, the proposed project already has a high degree of multi-department involvement, ensuring successful maintenance and application sustainability going forward. Integration opportunities with other local systems are a strong likelihood; the WebGIS is built to easily integrate other county departments as separate tabs with layers and tools specific to that department.

Supplemental Questionnaire for State Funded Entities working on Land Record Information and Mapping-Related Grant Applications

The following questions refer to specific NITC Land Record Information and Mapping Standards and Guidelines. Use additional pages as necessary. These standards and guidelines are located at the following website: http://nitc.nebraska.gov/standards/3-202.html.

1.1 **Datum.** Local government multipurpose GIS/LIS (Geographic Information System/Land Information System) and their associated geospatial data layers should be based on the North American Datum (NAD) 83 and the North American Vertical Datum (NAVD) 88. Any existing systems developed based on other datums should consider conversion to these datum.

Please describe how you would comply with this standard if you are awarded a Nebraska State Records Board grant.

N/A. No data is being developed as part of this project.

1.2 **Projection.** The Nebraska (State) Plane Coordinate System, NAD 83, should be used as the primary map projection system for the recording of positions in local land-data systems in Nebraska. Selection of any other projection should be done reluctantly and only after most careful consideration. The plane coordinate values for a point on the earth's surface may be expressed in either meters or feet.

Please describe how you would comply with this standard if you are awarded a Nebraska State Records Board grant.

N/A. No data is being developed as part of this project.

1.3 **Geodetic Control.** GIS/LIS systems developed with the goal of providing a multipurpose cadastre for local government use should be referenced to a local geodetic reference framework that is properly connected to the National Spatial Reference System (NSRS).

Please describe how you would comply with this standard if you are awarded a Nebraska State Records Board grant.

N/A. No data is being developed as part of this project.

1.4 **Public Land Survey System Control.**

1.4.1 PLSS Geodetic Framework. For all land in Nebraska that is subdivided according to the Public Land Survey System (PLSS), the geodetic reference framework for the cadastre should be the section corners of the PLSS for each section.

Please describe how you would comply with this standard if you are awarded a Nebraska State Records Board grant.

N/A. No data is being developed as part of this project.

1.4.2 Locate, Monument, and GPS Primary Corners. At a minimum, local government entities developing a geospatial land information system should initially invest in a precision Global Positioning System (GPS) survey to locate, re-monument as necessary, and obtain the geographic coordinates of the major boundary defining corners that legally define the boundaries of their county jurisdiction(s). These precision GPS survey coordinates for the boundary defining corners should be collected and integrated as framework data into the land information system. This effort should be coordinated with officials from the adjacent county(ies) to ensure agreement on the location of the shared corners.

Please describe how you would comply with this standard if you are awarded a Nebraska State Records Board grant.

N/A. No data is being developed as part of this project.

1.5 PLSS Base Map. Local governments considering the development of a multipurpose GIS, should consult with the Nebraska State Surveyor's Office to locate and access the best available data on the Public Land Survey System (PLSS) for their geographic area. To assist the State Surveyors Office in maintaining a repository of the best available PLSS data, local governments participating in the Nebraska Land Information System Program should share any enhanced PLSS data, for their geographic area, with the State Surveyors Office so that it might be integrated into the PLSS repository database.

Please describe how you would comply with this standard if you are awarded a Nebraska State Records Board grant.

N/A. No data is being developed as part of this project.

1.6 Ortho-base (Aerial Layer) or Base Maps. Both a Public Land Survey System base map and an orthophoto (surface features) imagery base map should be used to provide the geospatial reference framework upon which a local government multipurpose land information system is developed. Both base maps should be tied to the National Spatial Reference System and have a level of spatial accuracy appropriate to the range of applications planned for a given area. Jurisdictions should acquire new imagery of urban areas at least every five years and of rural

areas at least every ten years. Jurisdictions experiencing rapid or slow growth may need to adjust this timetable (IAAO 2009).

Please describe how you would comply with this standard if you are awarded a Nebraska State Records Board grant.

N/A. No data is being developed as part of this project.

1.7 Map Scale and Spatial Accuracy.

1.7.1 Minimum Horizontal Accuracy Standard. Public entities developing a GIS/LIS program should conduct data collection and development in a manner to achieve at least the minimum level of horizontal spatial accuracy consistent with the National Horizontal Map Accuracy Standards corresponding to a 1:12,000 (1"= 1,000') scale map (90% of the "well defined" horizontal locations must be within ±33.3 ft. of their real world location).

1.7.2 Additional Accuracy Considerations. Beyond this minimum horizontal map accuracy, public entities are encouraged to consider the following recommended map scales and their corresponding National Horizontal Map Accuracy Standards in determining the positional accuracy needed for base maps in the development of a local government GIS/LIS:

Relative Size of Property Parcels	Map Scale	Nat'l Horizontal Map Accuracy Standard	Equivalent Metric Scale
Urban areas	1:600 (1" = 50') 1:1,200 (1" = 100')	±1.7 ft. ±3.3 ft.	1:500 1:1,000
Large urban & suburban	1:2,400 (1" = 200')	±6.7 ft.	1:2,500
Rural areas	1:4,800 (1" = 400') 1:9,600 (1" = 800') 1:12,000 (1"= 1,000')	±13.3 ft. ±26.7 ft. ±33.3 ft.	1:5,000 1:10,000 1:10,000

Please describe how you would comply with these standards if you are awarded a Nebraska State Records Board grant.

N/A. No data is being developed as part of this project.

1.8 Legal Lot and Parcel Layers. Data on two interrelated types of land subdivision (i.e. legally subdivided lots and ownership tracts) are necessary to provide the foundation for a wide variety of local government GIS/LIS applications that involve land subdivision and/or ownership.

a). The legal lot feature or layer consists of legal land subdivisions. These are aliquot portions of the PLSS, filed subdivision plats and irregular tracts defined by filed deeds.

b). The parcel feature or layer defines ownership tracts of land. These tracts may group multiple legal lots into one taxable account and that typically represents the boundaries of a landowner's property. These data features or layers include

locational coordinates for points representing property corners, lines between property corners representing property boundaries and closed polygons representing the property area.

Please describe how you would comply with this standard if you are awarded a Nebraska State Records Board grant.

N/A. No data is being developed as part of this project.

1.9 Parcel Identifiers.

a). Each county/region should adopt a system of unique, permanent feature identifiers (PID) that provide the link between each graphic land ownership parcel polygon and the attribute information (ownership, size, situs address, value, etc.) related to that specific land ownership property parcel.

b). A county/region PID system must be designed in a manner such that a unique, statewide PID can be defined and maintained for each property parcel by using the county FIPS code (Federal Information Processing Standards Publications) as a prefix to the county/region's PID system.

c). To maintain this unique one-to-one association between a specific property parcel and its related attribution information, new PIDs should be assigned whenever a property parcel is altered by either splitting it into two or more parcels or by combining two or more parcels to form a new parcel. The previous PIDs should not be used for these new modified parcels, but the historical PID associations should be maintained through a parent/child PID reference table.

Please describe how you would comply with this standard if you are awarded a Nebraska State Records Board grant.

N/A. No data is being developed as part of this project.

1.10 Spatial Data Format. A broad range of state and regional applications require property parcel information. Many of these applications require the combining of data across jurisdictional boundaries. To facilitate these applications, the property parcel spatial (graphic) data should be either maintained in a manner that allows it to be readily integrated into a spatial relational database format or be capable of being exported into a common geographic data format (i.e., shapefile), while including the parcel identifiers.

Please describe how you would comply with this standard if you are awarded a Nebraska State Records Board grant.

N/A. No data is being developed as part of this project.

1.11 Metadata. All geospatial land record databases, and their associated attribute databases should be documented with Federal Geographic Data Committee (FGDC) compliant metadata outlining how the data was derived, attribute field definitions and

values, map projections, appropriate map scale, contact information, access and use restrictions, etc.

Please describe how you would comply with this standard if you are awarded a Nebraska State Records Board grant.

N/A. No data is being developed as part of this project.

1.11.1 NebraskaMAP Metadata. The NebraskaMAP (http://NebraskaMAP.gov) is a state sponsored GIS web-based portal for finding and accessing a wide variety of GIS/geospatial data related to the geographic area of Nebraska. Many of the NebraskaMAP functions required metadata. All developers of Nebraska-related GIS data are encouraged to use the site to either upload existing metadata and/or use the online tools available on the site to create metadata for your GIS/geospatial land record information and mapping. Before metadata can be either created or uploaded on the site, a brief user registration is necessary.

Please describe how you would follow this guideline if you are awarded a Nebraska State Records Board grant.

N/A. No data is being developed as part of this project.

1.12 Attribute Data. To provide the foundation necessary for a wide variety of local government applications, non-graphic, attribute data should be organized within the GIS/LIS, which describes individual property parcels relative to their basic parcel characteristics, tenure, value, history, buildings and units within the parcel, and tax status.

In most cases, much of this attribute data will already exist in separate databases within a variety of local agencies and should be referenced to the graphic property parcel via the unique PID. To meet a range of state and regional applications that require property parcel information, the following types of property parcel data should be maintained (for every property parcel?) and (be) available in a manner that allows it to be harvested, translated, and integrated into a statewide property parcel attribute dataset. These attribute values may be maintained in one or more separate relational databases that are referenced by a unique PID and not directly integrated into a GIS.

PID#..... Parcel identifier (county FIPS code plus local government PID)
Situs Address..... Address of parcel (may be multiple fields)
Owner Address..... Address of property owner (may be multiple fields)
Township ..... Township #
Section..... Section #
Range ..... Range #
Range Direction..... East or West
Legal Description..... Narrative legal description of parcel
Assessed Value..... Total assessed value of property (land and improvements)
Land Value..... Assessed value of land
Area (Deeded) ..... Area of parcel according to the deed
Property Class ..... (Res, Ag, Com, Rec., Ind.)

Property Sub-class ..... i.e., Ag (Dryland, Irrigated, Grassland/Pasture, Waste)
Ownership type..... Federal, State, County, Private, Tribal, Exempt, Other and Unknown
Tax District..... County ID plus Tax Dist. #
School District ..... State number definition
Landuse ..... Actual landuse with NPAT defined general categories
Property Parcel Type.... NPAT defined categories: (i.e., Single Family, Multi-Family, Commercial, Industrial, Agriculture, Recreational, Mineral Interest-Nonproducing, Mineral Interest-Producing, State Assessed, or Exempt)
Status ..... NPAT defined categories: (Improved, Unimproved, or IOLL)
Location ..... (Urban, Sub-urban, Rural)(NPAT defined)
City Size..... 1st class, 2nd class, primary, metro, or village
Source Document..... Sales/transfer reference or document (book, page & date)
Sales Date ..... Most recent sales/transfer date
Sales Value..... Most recent sales value

Please describe how you would comply with this standard if you are awarded a Nebraska State Records Board grant.

N/A. No data is being developed as part of this project.

www.gisworkshop.com

GIS Workshop

Job: 0292-005
Version 1.0

Deuel County, Nebraska

Attachment 1
Summary Bid:
Assessor and Roads Tabs on County WebGIS site

Prepared for:

March 22nd, 2013

402.436.2150
4949 NW 1st Street, Lincoln NE 68521

TABLE OF CONTENTS

PROJECT OVERVIEW

The Deuel County Assessor sees the need to share advanced GIS property data across all County departments and with the public through a new WebGIS solution. She seeks to increase efficiency in the Department's services by providing property information to the public in an internet mapping context.

ENTERPRISE WEBGIS

GIS Workshop (GISW) proposes to design and build an enterprise WebGIS for Deuel County, NE The system is designed to leverage the investment the County made in the assessment GIS to promote online GIS features. Deuel County has established the Assessors' department as the foundation for subsequent departments within the County to participate in using GIS information by the development of a web-based GIS site.

DEUEL COUNTY WEBGIS TABS

The Assessor tab is the first step in setting up the enterprise WebGIS for Deuel County. The tab will feature the data layers and tools specific to the needs of the Assessment staff and general public interested in assessment information. The WebGIS for Deuel County will also feature a Roads Tab with data layers and tools specific to the Roads Department. The WebGIS will allow anyone with Internet access to search for and look at maps concerning property ownership and sales information, assessment and appraisal data and any other data associated with future tabs.

The WebGIS opens to the Assessor tab with parcels and base map (includes road centerlines, political boundaries, and a shaded relief topography background) layers visible. The user can switch to a satellite view and choose from various years FSA aerial photography via the Aerial Slider bar.

ASSESSOR TAB DATA LAYERS

Assessor layer include:

1. Parcels (supplied by Assessor). The parcels will be labeled with their parcel ID (PID) when the user zooms in far enough for the PID to fit inside the parcel boundary.
2. Sections (supplied by Assessor). The PLSS section layer is mainly used to help with zooming to a specific section/township/range.
3. Latest FSA aerial imagery (supplied by GISW)
4. Streets and roads (supplied by GISW)

ASSESSOR TAB TOOLS

Tools on the Assessor tab include:

1. Search for properties
2. Zoom in/out slider bar

3. Pan tool
4. Quick identify tool for one-click basic ownership information
5. Photo tool
6. Measurement tool (for measuring distances and areas)
7. Drawing tool
8. Print tool

ROADS TAB DATA LAYERS

Roads tab layers include:

1. Parcels (already part of Enterprise GIS)
2. Sections (already part of Enterprise GIS)
3. Latest FSA aerial imagery (already part of Enterprise GIS)
4. Streets and roads - NAVTEQ (already part of Enterprise GIS)
5. Wellhead protection areas (supplied by GISW)
6. Surface Type (GISW to supply from NDOR)
7. Street Centerline (County to supply in GIS-compatible format)
8. Signs (County to supply GIS-compatible format)
9. Bridges greater than 20 feet (supplied by County from "Pontis", exported to excel spreadsheet-GISW will work with county to run export).
    a. Bridge ID
    b. Year built
    c. Location
    d. Latitude
    e. Longitude
    f. Max span
    g. Length
    h. Deck area
    i. Deck width
    j. Feature type (stream, creek, etc)
    k. Facility
10. County Zoning Map (County to supply to GISW in digital format)

ROADS TAB TOOLS

The Roads Tab will have access to all the default tools and functions available in the Enterprise WebGIS (see Assessor Tools section above), in addition to the Buffer Tool.

WEBSITE HOSTING

GIS Workshop will host the WebGIS on our redundant servers for Deuel County. Hosting fees will be payable annually in July of each year, effective date based upon contracted site launch date.

WEBSITE DATA UPDATES

- A copy of the assessment data is updated every night from the County assessor's CAMA database to provide current property data.
- The photos/sketches are updated monthly (if available).
- The GIS data are updated monthly (or upon request).
- Wellhead protection areas will be updated quarterly. GISW will check the NEDNR wellhead protection layer and update quarterly as needed.
- Surface type will be updated quarterly. GISW will review the NDOR surface type map and make updates to the surface type layer when necessary.
- Street Centerline will be updated by County quarterly and provided to GISW in a GIS-compatible format.
- Signs (to be supplied by County in GIS-compatible format) will be updated quarterly upon receipt of the suitable GPS file from the county.
- Bridges (for bridges over 20 feet) will be updated quarterly. The county must supply GISW with an excel export file from the "Pontis" system on a quarterly basis.
- The County Zoning map will be updated quarterly. The county must supply GISW with a digital (PDF) or preferably a GIS-compatible format for the purposes of updating the WebGIS.

PRICING INFORMATION

The following provides the total and detailed costs for the services and deliverables described in this proposal. Variations and/or additions to those tasks, features, or services stated within are subject to additional costs. Any change orders must be documented, signed by both parties, and added as an addendum to this scope with the additional costs for said change order added to the following costs.

Items/Deliverables:		Cost ($)
Deuel County WebGIS		$16,600
a. WebGIS Assessor tab set up and initial hosting/maintenance	$4,800	
b. WebGIS Assessor tab First Year of Maintenance	$4,800	
c. WebGIS Roads tab set up and initial hosting/maintenance	$3,500	
d. WebGIS Roads tab First Year of Maintenance	$3,500	
Total Cost		**$16,600**

Ongoing Fees		Cost ($)
Tools and Services		$8,300
a. WebGIS Assessor tab annual hosting	$4,800	
b. WebGIS Roads tab annual hosting	$3,500	
Total Annual Fees (due date based upon contracted site launch date)		**$8,300**

Nebraska State Records Board

APPLICATION FOR STATE RECORDS BOARD GRANT TO IMPROVE ACCESS TO PUBLIC INFORMATION

ATTACHMENT 2:

LETTERS OF COMMUNITY SUPPORT FROM DEUEL COUNTY, NEBRASKA

Management
Sales
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Appraisals

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Bruce A. Dodson, AFM
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Bryan Danburg
Tony Eggleston

NORTH PLATTE OFFICE
I-80 & US Hwy 83
P.O. Box 1166, North Platte, NE 69103-1166
(308) 534-9240
Fax (308) 534-9244
www.agriaffiliates.com

Loren R. Johnson
Chase Dodson
Greg Polk
Dallas Dodson
Bob Childers
Leland Johnston
Roger Luehrs

April 1, 2013

Nebraska State Records Board
Deuel County Assessor
PO Box 527
Chappell, NE 69169

RE: Deuel County Assessor's GIS Website

To Whom It May Concern:

The purpose of this letter is to lend support for the development of the Deuel County Assessor's data and maps on a GIS Website available to the public. Our professional group has the opportunity to work with many counties who have already implemented this service in Western Nebraska. This method of providing the public with information is tremendously advantageous as it results in a reduction in the cost of fuel and time in delivering services to residence in the county, as well as those residing well outside the county. The fact that this information is available 24/7 allows access from any computer with an internet connection and without burdening the county staff. This has allowed us to provide a better, more timely service to residents in other counties that currently provide GIS websites.

Based on the benefits provided to the general public as well as county staff I would request your positive consideration for funding a Deuel County Assessor's GIS website.

Sincerely,

Bruce Dodson, Land Manager & Real Estate Sales

BD:kr

ALL AMERICAN REALTY

April 10, 2013

Jean Timm
Deuel County Assessor
PO Box 527
Chappell, NE 69169-0427

RE: GIS Website

Jean,

As a real estate broker and a general certified appraiser licensed in Nebraska, it is essential to be able to access the public records in all of our counties in order to obtain data to represent the consumers.

The ability to access Duel County public information via a website will save countless hours of my time and tremendous savings to my clients.

It is with great enthusiasm that I support Deuel County in their efforts to set up a GIS Website.

Respectfully submitted,

Nan Mull, Owner/Broker
Certified General Appraiser
All American Realty
PO Box 71, 841 Illinois St
Sidney, NE 69162
308-254-3578
aarealty@qwestoffice.net

BOWERS APPRAISAL SERVICE
PO BOX 851
SIDNEY, NE 69162
(308)254-7845

April 2, 2013

Deuel County Assessor
Box 527
Chappell, NE 69169-0527

Dear Sir or Madam:

This letter is in regards to your grant funding for the GIS Website. I would like to let the Nebraska State Records Board know, that as an appraiser, the GIS Website would be of great value to me. The 24/7 availability will cut my cost of travel time and increase my productive. I work with other counties that do have a GIS Website and it has been wonderful to just get on any time day or nite, access the information and get my reports done. The mapping ability is very helpful, as you can look at what and where the property is located.

Sincerely,

Dyanne Bowers

Dyanne Bowers

FARM BUREAU FINANCIAL SERVICES

Insurance • Investments

252 Vincent Ave., Chappell, NE 69129
308.874.2404 | 308.874.9960 fax
888.713.0479 toll-free
Steven.Fischer@fbfs.com

Steven J. Fischer
Agent

April 3, 2013

Jean Timm
Deuel County Assessor
PO Box 527
Chappell, NE 69129

REF: GIS System

Dear Jean:

It has come to my attention that Deuel County is seeking a grant to assist in the funding of a new GIS system. It would be advantageous for all people who rely on Deuel County Information to have it readily accessible on-line. With this advanced technology, users could access information 24/7 and provide faster service to customers more efficiently at a reduced cost. In addition, it would save Deuel County employees manual labor, time and expense of providing these services.

As an Insurance Agent and a constant user of Deuel County information, I strongly support the efforts of Deuel County pursuing this grant to obtain the GIS system.

Sincerely,

Steven Fischer
PO Box 587
Chappell, NE 69129

FORNANDER, INC.
DBA PRINCE-EMPSON INSURANCE
P.O.BOX 388
236 VINCENT AVENUE
308-874-2201
fornanderinc@embargmail.com

Deuel County Assessor
Box 527
Chappell, NE 69129-0527

To whom it may concern,

This letter is in regards to the possibility of Deuel County setting up a GIS Wesbsite with a grant for this purpose. This is a great service the patrons who need access to public records on a daily basis. In the course of our insurance business, we use public records from the Assessor's office for rating insurance risks.

This service would make this information more readily available for our business. It would be available on weekends and after Court House hours, both of which are problems today. It makes our time more productive and is a cost savings for our business and I think for the County Assessor's office also.

We work with other counties which have the GIS Website. It is quick and easy to use. We don't have to take time to travel to the court house and get the information we need. It is right on our desk to access and use at our convenience.

We are very excited and supportive of this service to the patrons of Deuel County. Favorable consideration would be greatly appreciated.

Sincerely,

Dale L. Fornander
Owner/Manager

LASHLEY LAND AND RECREATIONAL BROKERS

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North Platte, NE 69101

Michael G. Lashley
President

Office 308-532-9300
Cell 308-530-0134
Home Evenings 308-534-3381
Fax 308-532-1854
www.lashleyland.com

March 28, 2013

DEUEL COUNTY ASSESSOR
BOX 527
CHAPPELL NE 69169-0527
jtimm@deuel.nacone.org

RE: Nebraska State Records Board:

Ladies and Gentlemen,

Please let this letter serve as support for the grant from your board to upgrade the Deuel County GIS website and to improve electronic access to public information. We use this service on a regular basis. We totally support the grant to allow the Deuel County Assessor's Office to upgrade. This saves us a lot of time and money to obtain necessary information to serve our customers and clients in the real estate business. Please allow this grant to go through. It would be a benefit to a great number of people.

Sincerely,

Michael G. Lashley

Michael G. Lashley
President
Lashley Land and Recreational Brokers, Inc.

MGL: lt

Luhrs Real Estate and Appraisals®

Thomas M. Luhrs, ARA, MAI, CMEA
Nebraska Real Estate Broker
Certified General Appraiser
Nebraska and Colorado

126 Yucca Drive
P.O. Box 759
Imperial, Nebraska 69033
Ph. 308-882-5917

Gordon O. Luhrs, ARA
1928 - 2008

April 3, 2013

Jean Timm
Deuel County Assessor
PO Box 527
Chappell, NE 69169

REF: GIS Website

Dear Jean:

Thank you for contacting me about the possibility of Deuel County coming online with a GIS Website. Many other counties in Nebraska and Colorado are on GIS Website systems, and as a professional real estate appraiser, I find these sites very valuable. It not only saves me time in accessing property record cards, but often times helps me locate properties before I leave the office, saves a lot of gas money and more time. In addition, the access is 24/7, which is very beneficial when working long and odd hours.

I hope you are successful in obtaining a grant from the Nebraska State Records Board to support the development of the GIS Website. It will be beneficial to the entire community of Chappell and Deuel County, and real estate professionals (appraisers, brokers, bankers, attorney's, etc.).

Sincerely,

Thomas Luhrs

Thomas Luhrs, ARA, MAI, CMEA, SBA
Nebraska Certified General Appraiser (#CG910149)
Colorado Certified General Appraiser (#CG01313405)
Certified Machinery & Equipment Appraiser
Senior Business Analyst

To Whom It May Concern,

I am the Assoc. Broker for Jack Nerud Realty in Oshkosh, NE. During the course of my business I access the records from the Deuel County Assessors office frequently. I also have offices in Keith County and Garden County.

Keith County has their assessor information online which is fabulous. I utilize it daily for searches of property. It is so convenient, I could never do the wonderful things I can daily without it. I would not be able to drive there that frequently and access that information. I have also utilized Box Butte's County Assessor information for listings and Broker's Professional Opinions which was very convenient and helpful.

My job and those of my colleagues would be more efficient if Deuel County was also online. First, we could work on properties any time of the day or night, not just during courthouse hours. Second, we would not make so many calls to the Deuel County Assessor's office for assistance, which would free up their time for better use. Third, we would not have to drive to the courthouse so frequently, saving our time and gas.

I would appreciate the information to be available to me anytime.

Sincerely,

Kristy Nerud, Assoc. Broker
Jack Nerud Realty
308-778-7177 cell

POINTSWEST
Community Bank

PO BOX 157
809 ILLINOIS ST
SIDNEY NE 69162
(308) 254-7110

PO BOX 670
201 S CHESTNUT ST
KIMBALL NE 69145
(308) 235-3663

PO BOX 548
774 2ND ST
CHAPPELL NE 69129
(308) 874-2215

PO BOX 67
301 MAIN ST
DALTON NE 69131
(308) 377-2313

PO BOX 157
420 GLOVER RD
SIDNEY NE 69162
(308) 254-5100

Deuel County Assessor
PO Box 527
Chappell, NE 69129

April 2, 2013

Re: Support for the GIS Website for Deuel County

Dear Ms. Timm:

Our institution would like to offer support for Deuel County to seek a grant to assist with funding of a new GIS system. It would be very helpful to our institution and all of our customers that we serve in Deuel County to have 24 hour access to this very important real estate information. This service would assist us in being able to provide quicker information and feedback to real estate loan applicants, our agricultural customers with financial information about their real estate, etc. We are able to use this website to access information in other counties and it is very easy and efficient.

We also feel as taxpayers of the County that the County would be able to save on employees' labor, time and other expenses if this service was available online to everyone.

If you have any further questions please feel free to give me a call at 308-874-2215 or 1-800-303-5430 on our toll free phone number.

Sincerely,

Jay M. Dickinson
Branch President

Points West Community Bank - Chappell Branch

Reck Agri Realty
Farm/Ranch Real Estate & Auction™

April 1, 2013

Deuel County Assessor
PO Box 527
Chappell, NE 69129

To Whom It May Concern:

This letter is in support of Deuel County setting up their GIS Website. As a real estate broker and owner of a business which sells Nebraska property, having access to the county assessor's records is imperative to our business.

There are many times we are working during the non-traditional hours and having 24/7 access to the website would be very helpful to our business.

If you have any questions of my company, please do not hesitate to call.

Sincerely,

Marc Reck

/bsh

P.O. Box 407 • 302 N. 3rd Street • Sterling, CO 80751
Office: 970/522-7770 • Fax: 970/522-7365 • Toll Free: 1-800-748-2589
E-Mail: marcreck@reckagri.com • Website: www.reckagri.com