

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:** Webster County
- 2. Title of project:** Assessor GIS
- 3. Brief description of project:** The Webster County project includes building a county-wide land records GIS database to improve record keeping, efficiency and access to public records.
- 4. Grant amount requested:** \$25,000
- 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?**

NA, this project does not create an application.

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

NA.

- 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.

Yes.

- 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).

NA, this project does not create web mapping services.

- 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?

NA, this project does not create web mapping services.

Part II. Grant Detail

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

Webster County has chosen to develop a Geographic Information System (GIS) database so the public may have access to property information through the existing mapping interface website with database query tool (WebGIS). This project entails the development of a parcel layer and a land use layer. This information will be available to the general public via the existing WebGIS for Webster County and will provide intuitive interface for citizens, businesses, county departments, and other local/county/regional/state agencies to easily find public records data.

This project will include the much needed development of a GIS which will provide government agencies and public citizens with access to crucial property records and also greatly increase efficiency in the Assessor's Office and other County Departments. This

project will update our paper maps and allow us to move to a 100% digital work environment for tracking property information.

Once the GIS has been built to provide the necessary data, the existing WebGIS application will provide an intuitive interface for users to search for public records. The WebGIS will provide 24/7/365 access to public records for citizens, businesses and government employees. The WebGIS application will also include a highly specialized tool for the Assessor's Office to calculate land value for new parcel splits or verify the land use and soil characteristics of an existing parcel. The Land Use Calculator is very valuable for fast, efficient and equitable tax assessment.

Other County departments will also benefit from the development of a GIS. The Clerk/Election Commissioner/Register of Deeds as well as the Treasurer Offices will all benefit from easy access to land records information. The Weeds department will use the information 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 Webster County Board of Commissioners is excited about the opportunity for offices such as Roads, Treasurer, Weeds and Register of Deeds to build upon the land records foundation to create a one-stop web-enabled interface to County data.

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

Anyone interested in land records information for Webster County will benefit from this project. County offices of Assessor, Clerk/Election Commissioner/Register of Deeds, Treasurer, Emergency Manager, Sheriff, Roads, 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 City of Red Cloud, the Little Blue and Lower Republican Natural Resources Districts, 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 data developed through this project will be land record information for searches by the general public and other county departments and government agencies in addition to the County Assessor.

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 June 30th, 2014.

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

Webster County Assessor staff will be assisting in compiling information, and data entry to ensure all information is correct and up to date. The Surveyor will also be contributing data as the project progresses. The vendor will be compiling data, scanning cadastral maps, designing and building the GIS. Webster County assessor staff will participate in GIS training provided by an approved Esri trainer from the vendor.

Webster County will be responsible for the entire cost of the project after the subtraction of any awarded grant funds. Webster County will pay the full amount of \$92,500 for the initial Assessor GIS components.

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 other than internal funding.

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 the vendor, GIS Workshop, Inc. to develop a GIS for Webster County. Attachment 1 contains a project bid provided by GISW.

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 allow the public access to important county information and increase efficiency for both the public and all county departments in the future. Webster County will agree to maintain the program and any ongoing fees necessary to keep the system up and running for future years by making this system a priority in future budgeting.

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?

Yes, although we would prefer to receive the full grant amount we at Webster County believe developing a GIS is a priority.

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 property boundary information is currently recorded on paper maps. For anyone to use this information they must come into the assessor's office and request to look at the paper maps. Digitizing this information will allow the public to access the information across the Internet, while allowing assessor staff to much more efficiently manage the property boundary information. Having the information in a digital map form will allow Webster County to overlay several datasets so both the County offices as well as the public can perform complex spatial analysis, making accurate assessment available across the entire county. Once this information is compiled into a GIS, Webster County's nearly 4,000 residents as well as other County Departments and State Agencies will have access to important property record information.

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

Having a GIS will be invaluable to Webster County. Traditionally, county assessment has used paper maps to track parcel, soil, and land use boundaries. This prevents the sharing of important property data and land valuation information with the public or other government agencies. In addition, the assessment database was completely disconnected from the mapping component. The process was very labor intensive and difficult to implement with a high degree of precision. The Assessment GIS seamlessly links the parcel, soil, and land use directly to the appraisal database. Combined with the existing WebGIS component, this project will increase efficiency and accuracy with entering parcel splits, comparing deeded acres to mapped acres, calculating current land value for each parcel and reporting the breakdown of acres in each unique combination of soil and land use, visualizing individual parcels, and sharing all ownership information with land owners, real estate professionals, potential developers, and the public significantly reducing call volume for county staff. Webster County will now be able to do in a matter of minutes what used to take days such as calculating land use for valuation purposes.

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

The information provided through this project will be available for all entities interested. The land use information developed as a part of this project will be useful to both the Little Blue and Lower Republican Natural Resources Districts as well as the Nebraska Department of Resources for use with water modeling and other pertinent projects for the benefit of the State of Nebraska. The parcel information will be of use for local law enforcement as well as the Nebraska State Patrol who will use parcel and land ownership information on a regular basis to increase both efficiency and reach within the agency. In addition, 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 Webster 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.

This project involves no necessary hardware or software purchases. In fact, the development and maintenance of the GIS by the vendor, GIS Workshop, will prevent the county from necessary and expensive software purchases. County staff and all external users will access the system using a standard internet browser – internet access is the only requirement for access to the data created in this GIS project.

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. Webster County believes that this program is necessary to keep the public up to date and informed and to increase efficiency across all departments.

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**

The GIS system will be built using industry accepted standards using Esri technology and will meet all applicable NITC standards.

The GIS will interface with the current TerraScan (or any other CAMA provider selected in the future) database systems in use in Webster County today using the vendors proprietary database linking technology.

The ongoing maintenance of the GIS and all associated layers (parcels, land use, aerial photography, etc) is a part of the project to be contracted with GISW. Reliance on such experts in the field for the maintenance of the GIS data will provide the county with reliability, security, and sustainability in keeping up with any new developments the technology. Since it is based on Esri technology, the application is scalable and GISW continues to add features based on input from clients. Due to continual updates and improvements made by GISW, the information 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 database will meet all applicable standards.

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

The vendor will edit and maintain the GIS data on their redundant servers. Webster County will be responsible for sending parcel splits and land use changes to the vendor, who will then make all changes to the GIS which will reflect on the WebGIS. The vendor has 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:

Tricia Allen
Printed Name

Deputy Assessor
Title

Phone # 402-746-2717 E-mail tmawebco@hotmail.com

Physical Address: 621 N. Cedar St
Red Cloud, NE 68970

I, the Authorized Representative of Webster 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 22 day of April, 2013

Gina Allen
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: Webster County, Nebraska

Title of Project: Assessor GIS

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.

Yes, we will participate to the best of our technical abilities.

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.

We at Webster County are aware of the ongoing costs of maintaining the GIS going forward and are happy to assume these costs as the benefits of the GIS will greatly outweigh the financial responsibility of ongoing maintenance. The Assessor GIS and associated tab on the WebGIS is 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 this initial investment in GIS. 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.

Comply. All GIS data that are constructed or converted as part of this project will use the specified datum.

- 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.

Comply. All GIS data that are constructed or converted as part of this project will use the specified projection.

- 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.

Comply. The GIS data will reference the available geodetic control in the project area as gathered from the NE State Surveyor and/or County/local Surveyor.

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.

Comply. All applicable GIS data (cadastre based data) will reference and fit within the NE PLSS.

- 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.

Comply. The project will utilize all available GPS based monumentation from NDOR, NE State Surveyor and the County Surveyor. Existing GPS will be used and the GIS will be built to accept new GPS control when it becomes available.

- 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.

Comply. The project will utilize all available PLSS data from the NE State Surveyor. Any new or reset PLSS monumentation/control will be supplied to the NE State Surveyor via the County/local Surveyor as per current state statutes.

- 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.

Comply. The project will utilize the NAIP/FSA imagery as the base imagery and provide the necessary tie to the National Spatial Reference System.

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')	±1.7 ft.	1:500
	1:1,200 (1" = 100')	±3.3 ft.	1:1,000
Large urban & suburban	1:2,400 (1" = 200')	±6.7 ft.	1:2,500
Rural areas	1:4,800 (1" = 400')	±13.3 ft.	1:5,000
	1:9,600 (1" = 800')	±26.7 ft.	1:10,000
	1:12,000 (1"= 1,000')	±33.3 ft.	1:10,000

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

Comply. The project will utilize the NAIP/FSA imagery as the source base map. These data meet or exceed the stated accuracy requirements, thus the GIS data constructed using these based map data will meet or exceed these stated minimums.

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.

Aliquot portions of the PLSS will be constructed for rural areas only. As a rural county, the rural portions of the GIS are much more important to us. The additional cost for a legal lot layer for towns/villages would double the cost of this project and is not feasible at this time. We may build the legal lot layer at a later date as funds become available and the need arises.

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.

The PID system currently in use in the project area meets requirement (a). We cannot meet requirement (b) as this would entail a complete overhaul of our entire county systems costing 100's of thousands of dollars. We cannot meet

requirement (c) because our current CAMA/Admin system (nor any other commercially available CAMA/Admin system) currently provides this capability. In Nebraska today ALL assessors keep the parent PID for the parent tract. The Department of Revenue agrees with this approach.

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.

Comply. The data will be maintained in a common format (Esri geodatabase or shapefile) with a PID number only.

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.

Comply. FGDC compliant metadata will be created as part of the 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.

Comply. Webster County will make all GIS metadata available to the State.

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.

Comply. These data are already maintained and will continue to be maintained and may be readily "harvested" from the CAMA/Administrative database. However, you will need to contact our CAMA/Admin provider for technical assistance as we do not know how to "harvest" this information.

WEBSTER COUNTY, NE

Attachment 1
Summary BID:
Assessor GIS

*Prepared for Sonja Krueger, Assessor
And Webster County Board of Commissioners*

March 4, 2013

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PROJECT SUMMARY

This Summary Bid describes the GIS data construction, GIS data maintenance, WebGIS system, training and ongoing support and maintenance services for Webster County, Nebraska.

GIS DATA DEVELOPMENT

PARCEL LAYER

GISW will collect and scan the urban and rural assessment cadastral maps from Webster County. The cadastral maps together with TerraScan database information will be used to draw the parcel layer. GISW will utilize the best available corner control for the county as the foundation for drawing the parcel layer. The GIS is constructed to allow incorporation of new corner and quarter as it is collected by surveyors in the county (the assessor simply needs to send us the coordinate of new control points as they are collected). Incorporation of new survey control into the GIS over time will gradually “tighten” the accuracy of the GIS. The GIS is based on the Nebraska State Plane Coordinate System [NESPCS], NAD83 coordinate system as per state statute.

LAND USE LAYER

GISW will create the land use layer, which identifies the land use codes for particular areas of a parcel. GISW will use the 2012 Farm Service Agency aerial imagery to determine the land use for each parcel.

GISW will be working with the County Assessor to go through several areas of the county to ensure the land use layer includes all the codes used by the office. GISW will identify the various areas of a particular land use, digitize the boundaries of that land use, and incorporate those data into the GIS for analysis and reporting.

Finally, GISW will perform a “parcel/soil/land use” analysis that details each land use class and soil class for each agricultural parcel. GISW can supply this to the assessor for incorporation into the TerraScan database (or other CAMA system if a change is made). GISW can also work with your CAMA/Admin vendor to automatically import these data. These services are available at additional cost.

SOILS LAYER

GISW will acquire the USDA-NRCS SSURGO soils layers to display together with the parcel boundaries, land use layer and aerial photography background in the WebGIS. This soils layer is the state mandated layer you must use for land use/soils acre determinations in Nebraska.

AERIAL IMAGERY LAYER

GISW will supply the latest 2012 Farm Service Agency imagery for use in the WebGIS.

WEBGIS

The Webster County WebGIS is already in place (under a separate contract with GISW). The web site may be visited at <http://webster.gisworkshop.com>. The WebGIS makes the assessment/appraisal information available to other county departments, city departments, real estate professionals, businesses and the general public.

The Assessor tab was the first step in setting up the enterprise WebGIS for the County. The tab will include the data layers developed as part of this project. The Assessor tab includes such features as property search capability, a property identification tool and various map layers of interest to the Assessor and the general public. With the addition of the parcel layer to the WebGIS, many more functions and capabilities become available to the user. The WebGIS will allow anyone with Internet access to search for and look at maps concerning property ownership, sales information, and assessment and appraisal data.

TRAINING

GISW will train County staff to use the WebGIS site via an online meeting after the site is operational. GISW will provide up to two, one-hour, on-line meetings to help get County staff comfortable using their new WebGIS site.

GIS DATA MAINTENANCE AND SUPPORT

GIS Workshop will edit and maintain all GIS data on our redundant servers. This frees up assessor department staff to concentrate on critical projects and issues. **This 100% maintenance web-based approach also eliminates the need for department staff to learn GIS software.**

The County will be responsible for sending parcel splits and land use changes (typically a packet of photocopies containing adequate legal descriptions, plats, subdivisions, surveys, etc.) to GIS Workshop once a week. GISW will then update the GIS layers on the website within five business days of receiving the changes.

GIS Workshop will download a copy of the TerraScan (or other CAMA system if a change is made) data file every 24 hours to ensure that these data are up-to-date on the GIS Workshop server.

The annual GIS data maintenance for parcels and land use includes editing associated with new assessor database transactions such as parcel splits, parcel combinations or information from a land owner about a change in land use. The data maintenance fee does not include other editing of existing data not associated with a new transaction.

Webster County NE

GISW dedicated support staff is waiting to field your support call at all times during regular business hours.

SCHEDULE

The GISW team is ready to start the Webster County Assessor GIS project after acceptance and receipt of a signed contract. We anticipate GIS project build-out completion before **June 30th, 2014**.

PROJECT COSTS

Variations and/or additions to those tasks/features/service stated within are subject to additional costs. Any change orders must be documented and added as an addendum to this scope with the additional costs for said change order added to the following costs and agreed upon in writing with the County.

<u>Services</u>	<u>Cost (\$)</u>
GIS build-out services with initial maintenance/support	\$92,500

Deliverables:

1. GIS layers
 - Soils (USDA SSURGO)
 - Township/sections (using best available section control points)
 - Parcels (attributed with PIN number and associated ownership information, legal information per the Admin/CAMA system)
 - Land use (re-appraisal of land use per latest imagery)
 - Ortho-photography (Latest FSA 2012 imagery)
2. Land use Calculator tool (will be added to the Assessor Tab on WebGIS. Does not include subscription system at this time (for charging real estate agents/land men, etc.) for private access.
3. First year of GIS data maintenance and support (through June 30th, 2014)
4. Online County staff training on use of WebGIS

Total Costs for above listed Services	\$92,500
--	-----------------

ONGOING ANNUAL MAINTENANCE AND SUPPORT COSTS

GIS Data maintenance by GISW for Assessor (effective July 1, 2014) \$6,500** annually

***WebGIS maintenance by GISW is handled under a separate contract.

Nebraska State Records Board

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

ATTACHMENT 2:

**LETTERS OF COMMUNITY SUPPORT
FROM WEBSTER COUNTY, NEBRASKA**

Board of Commissioners

Webster County, Nebraska



March 1, 2013

Nebraska State Records Board

Dear Board,

I am writing this letter to show support for the GIS Mapping system for Webster County, Nebraska. This project will supply electronic access for the public and other county offices to our current GIS website allowing better time management, accuracy and availability.

Being a small county in south central Nebraska with very limited funds available, we would greatly appreciate any monies awarded to us to complete this project.

Sincerely,

A handwritten signature in cursive script that reads "Keith Buschow".

Keith Buschow
Chairperson
Webster County
Board of Commissioners

Webster County

Courthouse
621 North Cedar
Red Cloud, NE
68970

Commissioners:

Dan Shipman

District One

Trevor Karr

District Two

Justin

Armstrong

District Three

Keith Buschow

District Four

JoAnn Reiher

District Five

Lonnie Knehans

County Clerk

402-746-2716



WEBSTER COUNTY SHERIFF DEPARTMENT **SHERIFF TROY R. SCHMITZ**

Chief Deputy Ron Sunday

641 N. Cedar, Red Cloud, Nebraska 68970-2326 Telephone 402-746-2722 FAX 402-746-3225
Email: tschmitzwco945@yahoo.com

April 19, 2013

Nebraska State Records Board

To Whom It May Concern:

Please accept this letter of our support for the grant application for Webster County to implement GIS Mapping in Webster County.

This would benefit the entire county. This would be a vital step in putting 24/7 access to our public service people in being able to quickly locate residences throughout Webster County in times of emergencies. Webster County is a very rural area and this time saving technology could be the difference in life and death situations when seconds count.

Thank you for your consideration in helping to fund this very important task for Webster County.

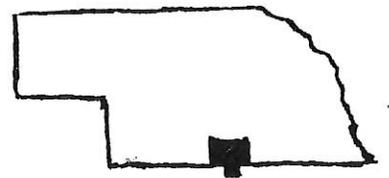
Sincerely,

Troy R. Schmitz
Webster County Sheriff

ENHANCED 911

Phone: 402/756-8823 Fax: 402/756-8822

The Best of The Good Life



Campbell, NE.

Serving

Amboy
Bladen
Blue Hill
Campbell
Covles
Inavale
Lawrence
Red Cloud
Riverton
Roseland
Rosemont
Upland

March 18, 2013

Dear Nebraska State Records Board:

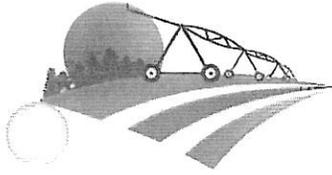
GIS Mapping would be a great benefit to Mid Rivers 911, PSAP for Webster County, in the fact that it would enable us to better serve its citizens. With GIS mapping, we would be better able to pinpoint the location of a 911 caller. We could find an alternative route for the emergency vehicles to get to their destination in case of bad weather or roads being closed. We would have 24/7 access to this information, thus improving our response time. Since our finances are limited to add mapping to our system, we would greatly benefit from having Webster County implement GIS Mapping in our area.

Please consider Webster County for a grant to implement GIS Mapping in the county.

Sincerely,

Jeanie Schmidt, Supervisor
Mid Rivers 911 Center





Lower Republican Natural Resources District

Nebraska State Records Board:

The Lower Republican Natural Resources District strongly supports the grant application of the Webster County Assessor for GIS Mapping of the county. This updated technology will benefit our business by saving time and allowing us 24/7 access to valuable field data. GIS mapping is an integral component of our business and I know it will be a valuable asset to Webster County and its patrons.

Your strong consideration of this grant application is greatly appreciated.

Sincerely,

Michael Clements,
General Manager

CITY OF BLUE HILL

P O BOX 277
BLUE HILL, NEBRASKA 68930

Telephone: 402-756-2056

Fax: 402-756-2057

E-Mail: cityofbluehill@gtmc.net

March 25, 2013

RE: Letter of Support

Nebraska State Records Board:

The City of Blue Hill, Nebraska, is submitting this letter of support towards the efforts in applying for a grant to implement *GIS Mapping* by Webster County, Nebraska.

The availability of information through this project would not only be beneficial to the residents of Webster County, but also to this office. This would enable us to assist residents in a timely manner and with accuracy in the events of lot splits, the submission of requests for locates before digging, legal descriptions of parcels and footages for curb and gutter projects.

Please consider Webster County's request for grant funding for this project.



Karen M. Kumke
City Clerk



Mayor
Gary Ratzlaff

Council Members
Roy Phillips, President
Gene Horne
Barbara Sprague
Amy Springer

City Clerk
Sue Meline
(402) 746-2215
citysue@gpcom.net

City of Red Cloud

540 North Webster Street
Red Cloud, Nebraska, 68970
(402) 746-2215
Fax: (402) 746-2393



Thursday, February 28, 2013

Nebraska State Records Board

The City of Red Cloud would like to express our support to Webster County for the grant to implement GIS Mapping. This project will not only benefit the county, it will also benefit all the residents of the county including the City of Red Cloud.

We look forward to seeing how many ways it can be used by the city and how it may help with documenting city owned property and utilities and access to the sight 24/7 will be a great convenience.

Respectfully,

A handwritten signature in black ink, appearing to read "Gary L. Ratzlaff". The signature is fluid and cursive, written over a light blue horizontal line.

Gary L. Ratzlaff, Mayor
City of Red Cloud





March 26, 2013

Nebraska State Records Board

Dear Board Members,

The South Central State Bank's locations in Blue Hill and Campbell Nebraska serve customers mainly located in Webster, Adams, Franklin and Nuckolls County.

Our loan officers utilize the Webster County Website with GIS Mapping almost on a daily basis to retrieve information in dealing with our customers current land holdings or to look up information on land a customer intends on purchasing in Webster County. All information can be retrieved from one site which can be accessed anytime of the day.

We feel that the Webster County GIS Mapping is an extremely valuable, cost and time saving tool helping us to meet the needs of our customers located in Webster County.

Sincerely,

Steven K. Krueger
Vice President

Douglas S. Munderloh
Senior Vice President

Main Bank
P.O. Box 186
Campbell, NE 68932-0186
Ph: (402) 756-8601

Franklin Bank
P.O. Box 173
Franklin, NE 68939-0173
Ph: (308) 425-6215

Oxford Bank
P.O. Box 357
Oxford, NE 68967-0357
Ph: (308) 824-3211

Blue Hill Bank
P.O. Box 157
Blue Hill, NE 68930-0157
Ph: (402) 756-3311

The GUIDE ROCK STATE BANK

INCORPORATED 1906

EDGAR

TELEPHONE 402/224-3205
PO BOX 8
307 NORTH C
EDGAR, NEBRASKA 68935

GUIDE ROCK

TELEPHONE 402/257-2165
PO BOX 215
401 UNIVERSITY AVENUE
GUIDE ROCK, NEBRASKA 68942



February 21, 2013

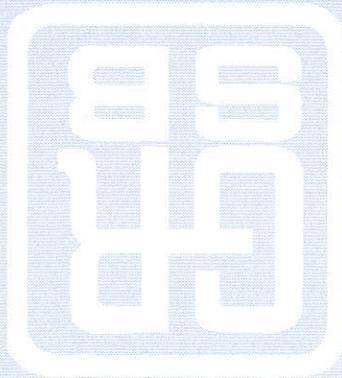
Nebraska State Records Board

RE: Webster County Grant

We utilize the GIS Mapping services available from other counties and would very much appreciate Webster County having this as well. Access to GIS Mapping information is very beneficial to our bank when considering loan requests as well as reviewing existing customer properties. Having 24/7 access makes the process go much faster and the ability to retrieve information online saves us time and money.

Thank you,

Scott Vogler
President



Lonnie Knehans
County Clerk – Register of Deeds
Clerk of District Court
Webster County, Nebraska
Red Cloud, NE 68970-0250
Phone (402) 746-2716

Louise Petsch
Deputy County Clerk

Deb Klingenberg
Administrative Assistant

Bonna Vance
Deputy Clerk of District Court

March 1, 2013

Nebraska State Records Board

Dear Board,

I am writing this letter to show support for the GIS Mapping system for Webster County, Nebraska. The benefits of the system will be a great asset to the County Clerks office because of the accuracy and availability of the mapping.

Being a small county in south central Nebraska with very limited funds available, we would greatly appreciate any monies awarded to us to complete this project.

Sincerely,



Lonnie Knehans
Webster County Clerk

GIS Mapping

From: **Stahl Appraisal Services** (gdstahl@windstream.net) This sender is in your safe list.

Sent: Mon 2/25/13 8:00 AM

To: tmawebco@hotmail.com

February 25th

STAHL APPRAISAL SERVICES

800 W 3rd st Ste 224

Hastings, NE 68901\

Attn: Webster Countyh Assessor

Attn" Tricia Allen

621 N Cedar St

Red Cloud, NE 68970

I am in support of the grant to obtain funding for the GIS Mapping in Webster County. I regularly use the counties current website in my current business of Real Estate Appraisal.

The addition of the GIS Mapping would enhance my ability to provide complete an accurate data in my appraisal reports.

Respectfully Submitted

Gaylen D Stahl

CR 940269

Certified Residential Appraiser

April 15, 2013

Nebraska State Records Board

Dear Board Members,

As an elderly citizen of the Village of Guide Rock in Webster County, I am in support of the GIS Mapping. It would be a great benefit to have this information available 24/7 to all taxpayers. It would be an advantage for me to not have to travel to the courthouse to look at their maps, obtain parcel information, etc.

I am in support of this GIS project and believe it will be money wisely spent by the county. Please consider Webster County's request for grant funding.

Sincerely,

A handwritten signature in cursive script that reads "Kenneth A. Hartman". The signature is written in dark ink and is positioned below the word "Sincerely,".

Kenneth Hartman