



The Lake County Grant Application Montana Land Information Act Fiscal Year 2014

The Lake County Address Enhancement Project

The purpose of the this grant application to fund the work necessary to enhance the addressing and structures data for Lake County, Montana

Primary Applicant:

Name of principle individual: Warren C. Fahner Jr.
Name of agency\entity: Lake County GIS
Street: 106 4th Ave E
City: Polson
County: Lake
State: MT
Zip Code: 59860
Contact email address: wfahner@lakemt.gov
Contact fax address: (406) 883-7283
Contact phone: (406) 883-7212
Department: GIS

Project Partners:

Name of contact: Michael Fashoway, Structures & Address Data Coordinator
Name of Agency: Montana State Library, Geographic Information
Street: PO Box 201800
City: Helena
County: Lewis & Clark
State: MT
Zip Code 59620
Contact email address mfashoway@mt.gov
Contact phone: 406-444-2793

Project Partner

Name of contact: Gwen Clairmont
Name of Agency: Salish & Kootenai Housing Authority of the Confederated Salish & Kootenai Tribes
Street: 56243 US Hwy 93
City: Pablo
State: Montana
Zip Code 59855
Contact phone: (406) 675-4491
Contact Fax: (406) 675-4495

Date Submitted: February 14, 2013**Date Received by State:****Descriptive Title of Applicant's Project (Required):****The Lake County Addressing Enhancement Project**

Relevance and Public Benefit:

The Lake County Addressing Enhancement Project will assign or record E911 and FDGC compliant addresses to those areas missed by the original E911 project. Those areas include the cities of Polson, Ronan, and St. Ignatius; the Trailer Parks, RV Parks and many parcels containing multiple dwellings within the county. The data collected will consist of address points, ownership, structure usage and existing addresses missed by the original E911 project. Working with the Confederated Salish and Kootenai Tribes we will gather the current occupancy of tribal housing, trust lands and develop a periodic method to update addresses with the current occupancy.

The Lake County Addressing Enhancement Project falls under the B1 – MSDI Data Partner Support due to the additional address and occupancy data to be collected and supplied to the MSDI in a FDGC compliant form. Based on the number of parcels contained within the city limits of the three cities, a rough count of trailers and missed housing; we estimate the project will add an additional 4000 to an existing 13,422 addresses.

B1 – MSDI Data Partner Support - Data partners should receive funding support and outreach that enables and enhances partnership opportunities

B1.1 - MSDI data partners contributing to statewide framework data may apply for grants according to the published MLIA grant application process.

Note: Those data partners must work in advance with the MSDI Theme Stewards to provide data in common formats that promote data integration.

See Appendix A: For letter of support from Michael Fashoway, Structures and Address Coordinator of the Montana State Library, Geographic Information. (Theme Steward)

Also in Appendix A: A letter of support has also been supplied by the Lake County Dispatch and the Confederated Salish and Kootenai Tribes.

The additional address information generated by this project will improve the effectiveness of Lake County's Dispatch and Office of Emergency Management. Currently 911 calls within the project areas require additional time and effort to effectively provide emergency services. The project will also improve the Property Address field in Lake County's Cadastral data; reduce research costs for Realtors, Financial Institutions, Home Inspectors and Title Insurance Providers. Within the Project's scope will also be an update of Lake County's Structure Layer data as to address and building usage which will also be supplied to the MSDI at the completion of this Grant.

Scope of Work

A. Goal of the Project:

- 1) The Lake County Address Enhancement Project will complete the addressing begun by the E911 Project in 2003 by providing Lake County Dispatch with an Address Point for every occupied structure within the city limits of Polson, Ronan, and St. Ignatius.
 - a. Create a GPS point or copy a point from the Structures Layer and collect the field data needed on every occupied structure within the Polson City limits by September 1, 2013.
 - b. Create a GPS point or copy a point from the Structures Layer and collect the field data needed on every occupied structure within the Ronan City limits by October 1, 2013.
 - c. Create a GPS point or copy a point from the Structures Layer and collect the field data needed on every occupied structure within the St. Ignatius City limits by November 1, 2012.

- 2) The Lake County Address Enhancement Project will significantly improve the deficiencies in the addressing on land owned by the Confederated Salish and Kootenai Tribes. Currently the vast majorities of those addresses are either missing the occupant's name or the existing names dates back to the original E911 project in 2003.
 - a. Identify which addresses are either missing the occupants name or the existing name dates back to the original E911 project (2003). To be completed by December 1, 2013.
 - b. Use a tablet PC to facilitate data collection in the field and reduce significant amounts of field note duplication. This unit will be equipped with mobile mapping software, GPS receiver and a cellular connection to provide connectivity.
 - c. Using the Salish and Kootenai Housing Authority records to match the current occupant to the current address. In many cases this will require a field visit to the structure in cases where the SKHA records will not fully answer all questions. Note: In many cases the addresses being used were not recorded during the original E911 project.
 - d. Develop a method to update the addresses with the current Salish and Kootenai Housing Authority records on a quarterly basis.

- 3) The Lake County Address Enhancement Project will assign E911 compliant addresses to each structure within Trailer and RV parks of Lake County. During the original E911 Project, Trailer Parks and RV parks were assigned a single address for the total park rather than an address for each structure.
 - a. GPS and name the Trailer Park roads.
 - b. GPS or copy points from the Structures Layer for each unaddressed structure missed in Trailer Parks by the original E911 project.
 - c. Visit each structure and record the lot number currently being used.

- 4) Update the Structures Layer as the Project progresses to update Address and Structure records.
 - a. In the process of addressing each occupied building and checking each parcel we will update the structures layer to ensure:
 - i. Update full address
 - ii. Update structure type
 - iii. Update Parcel ID

- 5) Purchase a Tablet Personal Computer to utilize mobile mapping to facilitate data collection, and to verify the accuracy of current address data.

Purchase a Tablet Personal Computer	July 31, 2013
Data Collection for Polson	September 1, 2013
Data Collection for Ronan	October 1, 2013
Data Collection for St. Ignatius	November 1, 2012
CSKT Data Collection	December 1, 2013
Data Processing and Address Work	January 2014 – June 2014
Final Project Report for MLIAC	September 1, 2014

Project Management and Organizational Capability Narrative

The project management for the Lake County Addressing Enhancement project will be supervised by the Lake County Department of GIS. The two principles on this project will be Warren Fahner and Michael Rave.

The majority of the work for this project will be done by Michael Rave. He is a graduate from the University of Montana with a BA in Geography, emphasis on GIS. Before going to school in Missoula, Michael was a unit coordinator at Hutchinson Technology Inc. where he managed employee scheduling and oversaw production. He has 3.5 years of GIS experience with 2.5 being in Lake County. He was hired to help with the day-to-day GIS production as well as to conduct the work necessary to complete a previous project. He has extremely strong organizational skills principally in the areas of time management and work flow production.

Warren Fahner is the Lake County GIS Coordinator and is a graduate of Northwood University with a Bachelors of Business Administration which was comprised of double major in Economics and Management. He has earned a Post Baccalaureate Certificate in Geographic Information Systems from The Pennsylvania State University College of Earth and Mineral Sciences and is currently a Master’s Degree Candidate. He has sixteen years of work experience in Information Technology and four years as a GIS Technician working for Lincoln County, Montana. While working for Lincoln County he successfully completed a project to address the City of Libby which is very similar to the addressing work contained in this project; he also successfully completed a 2013 MLIA Grant for Metadata.

Budget Justification Narrative and Tables

The costs for this project include wages, hardware and fuel. The lion share of the total cost is in labor due to the necessity of researching each address on a record by record basis.

Lake County will provide in the form of matching funds:

- One GIS Coordinator to work on the data collection and processing work.
- One vehicle to perform site visits and to GPS new addresses and roads.
- One Trimble GEO XM 2008 series GPS using Trimble Pathfinder
- A cohesive Geographic Information System which is comprised of ArcGIS Server 10.1, ArcGIS Advanced License, and ArcGIS Standard License.

The personnel portion includes, in part, four employees; Information Technology, Accounting, GIS Coordinator, and the GIS Assistant. The Fringe Benefits in Lake County have an estimated cost for next year of 45% per employee; which is largely due to health care premiums. The Travel Expense is for the fuel & maintenance needed to complete the necessary GPS work and site visits. The costs are based on a 52 week time period. We believe the requested funds will allow us to complete the necessary work within the budgeted amount and within the time period allotted.

Applicant budget summary

Category	MLIA Share	Applicant Share	Total
a. Personnel	34,315.00	56,289.00	90,604.00
a.1 Fringe Benefits	0.00	33,409.00	33,409.00
b. Travel	1312.50	650.00	1962.50
c. Equipment	1700.00	7425.00	9125.00
d. Supplies	125.00	0.00	125.00
Totals	37,452.50	97,773.00	135,225.50

Authorizing Statement

I hereby certify that the information and all statements in this application are true, complete and accurate to the best of my knowledge and that the project or activity complies with all applicable state, local and federal laws and regulations.

I further certify that this project will comply with applicable statutory and regulatory standards.

I further certify that I am (by my signature) authorized to enter into a binding agreement with the Montana State Library to obtain a grant if this application receives approval.

Ms. Ann Brower

Name (print or type)

Lake County Commissioner

Title (print or type)

Signature and Title of Authorized Representative(s) of Public Entity Applicant

Appendix A: Letter of Support



State of Montana
Montana State Library
Geographic Information



January 24, 2013

Warren C. Fahner Jr.
GIS Coordinator
Lake County GIS Department
106 4th Ave East
Polson, MT 59860

Dear Warren:

As the Montana Spatial Data Infrastructure steward of the MSDI Structures/Addresses Framework, the Montana State Library has reviewed your 2014 MLIA grant proposal to:

- collect address points, ownership, and existing addresses for structures within the city limits of Polson, Ronan, and St. Ignatius
- collect address points, ownership, and existing lot numbers for individual units in Trailer & RV parks which were in part passed over during E-911
- propose gathering resident information on addresses which are on tribal land

We believe by collecting the proposed addresses and associated information you will greatly enhance your county address database and improve the ability of Lake County to deliver services, including emergency services. Furthermore, given the ongoing data sharing relationship between Lake County and the Montana State Library (MSL), the proposed address collection effort will also enhance the MSDI Structures/Addresses Framework. The MSL understands that gathering resident information on addresses on tribal land will require cooperation and support of the Confederated Salish & Kootenai Tribes and that you are still in the process of approaching the Tribal Council.

Therefore, the MSL is pleased to support your request for MLIA funding to further develop your county address database. We look forward to working with you and assure you that the MSL Geographic Information staff are available for consultation as you move forward.

Sincerely,

A handwritten signature in black ink that reads "Michael Fashoway".

Michael Fashoway
Structures & Address Data Coordinator
Montana State Library, Geographic Information

1515 East 6th Avenue P.O. Box 201800
Helena, MT 59620
Phone: 406-444-3115



February 12, 2013

Warren C. Fahner Jr.
GIS Coordinator
Lake County GIS Department
106 4th Ave East
Polson, MT 59860

Dear Warren:

As the Executive Director of the Salish & Kootenai Housing Authority, I have reviewed your 2014 MLIA grant proposal to:

- collect address points, ownership, and existing addresses for structures within the city limits of Polson, Ronan, and St. Ignatius
- collect address points, ownership, and existing lot numbers for individual units in Trailer & RV parks which were in part passed over during E-911
- gathering resident information for updating addressing in Salish & Kootenai Housing Authority areas

I believe by collecting the proposed addresses and associated information you will greatly enhance the county address database and improve the ability of Lake County to deliver services, including emergency services.

Therefore, the Salish and Kootenai Housing Authority is pleased to support your request for MLIA funding to further develop the Lake County address database. If you have any questions please call the number below.

Sincerely,

Carolyn Wewada
for
Jason Adams
Executive Director

February 12, 2013

Warren C. Fahner Jr.
GIS Coordinator
Lake County GIS Department
106 4th Ave East
Polson, MT 59860

Dear Warren:

As the Lake County 911 Supervisor, I have reviewed your 2014 MLIA grant proposal to:

- collect address points, ownership, and existing addresses for structures within the city limits of Polson, Ronan, and St. Ignatius
- collect address points, ownership, and existing lot numbers for individual units in Trailer & RV parks which were in part passed over during E-911
- propose gathering resident information for addressing in Tribal Housing areas

I believe by collecting the proposed addresses and associated information you will greatly enhance the county address database and improve the ability of Lake County to deliver services, including emergency services.

Therefore, the Lake County Dispatch is pleased to support your request for MLIA funding to further develop the Lake County address database

Sincerely,



Darlene Lester
911 Supervisor
(406) 883-7321
Lake County Sheriff's Office