

**MONTANA LAND
INFORMATION GRANT
APPLICATION**

STATE FISCAL YEAR 2019

APPLICATION FOR MLIA GRANT FUNDING

SECTION 1 – APPLICANT, PARTNER, AND PROPOSAL INFORMATION

Primary Applicant Contact Information <i>(Please fill this section out in it entirety)</i>	
Name of Agency/Entity:	Blaine County
Department:	GIS
Division/Section:	
Street:	420 Ohio Street
City:	Chinook
County:	Blaine
State:	Montana
Zip Code:	59523
<i>Project Manager Contact Information:</i>	
Name:	Haley Velk
Title:	Emergency Manager
Email Address:	hvelk@blainecounty-mt.gov
Phone Number:	406-357-3310
Fax Number:	406-357-2199
<i>Secondary Contact Information:</i>	
Name:	Savannah Wendeln
Title:	Deputy Clerk and Recorder
Email Address:	swendeln@blainecounty-mt.gov
Phone Number:	406-357-3240
MLIA Grant Funding Request & Match:	
Total Requested MLIA Funds:	\$7,639.00
Total Matched Funds:	\$2,500.00 (in-kind)

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Proposal Information	
Date Submitted:	February 15, 2018
Identified Grant Priority:	Public Safety and Emergency Response – NG 911
Annual or Multi-Year Proposal:	Annual
Proposal Prepared By:	Haley Velk
Short Title of Proposal:	Blaine County Site/Structure Address Point Layer Update
<p>Executive Summary (<i>required – 250 maximum word count</i>):</p> <p>Blaine County proposes to update its existing Site/Structure Address Point Layer, resulting in a highly accurate GIS dataset for Next Generation 9-1-1 (NG9-1-1). The final layers will adhere to National Emergency Number Association (NENA) NG9-1-1 GIS Standards.</p>	
List All Past Awarded MLIA Grants:	
<p>MLIA_2015_13 – Blaine County GIS Development Blaine County Initial NG 911 Data Standardization Project</p>	

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Funding Partners: <i>(required for each partner, copy box as needed)</i>	
Name of Contact:	
Name of Agency:	
Street:	
City:	
County:	
State:	
Zip Code:	
Contact Email Address:	
Contact Phone Number:	
Funding Partners: <i>(required for each partner, copy box as needed)</i>	
Name of Contact:	
Name of Agency:	
Street:	
City:	
County:	
State:	
Zip Code:	
Contact Email Address:	
Contact Phone Number:	

SECTION 2 – RELEVANCE

Blaine County proposed project will update and standardize its existing Site/Structure Address Point Layer in preparation for the Next Generation 9-1-1(NG9-1-1) implementation and will reflect the National Emergency Number Association (NENA) standards. The data will also be disseminated to the State Library to be integrated into the structure and address theme within the Montana Spatial Data Infrastructure (MSDI). This project falls within the FY2019 Land Information Plan Priority of Public Safety and Emergency Response, Next Generation 911, Addresses.

SECTION 3 – PUBLIC BENEFIT

Blaine County's proposed project will provide numerous benefits to local public safety organizations, local, regional and state government offices, as well as providing associated benefits to the public at large.

Updating the data in the Public Safety Answering Point (PSAP) dispatching software will allow for the accurate routing of all emergency responses by County fire, EMS, and law enforcement personnel.

Blaine County also plans to disseminate the improved data to the State Library for integration into the structure and addresses theme within the Montana Spatial Data Infrastructure (MSDI).

By completing this project, Blaine County will benefit from our proven processes and become an example, and a resource, for other counties in the State of Montana of how to prepare and improve GIS data for NG9-1-1.

SECTION 4 – PROJECT MANAGEMENT AND ORGANIZATIONAL CAPABILITY

Haley Velk, Blaine County Emergency Manager, will manage all aspects of the Site/Structure Address Point Layer Update Project.

Haley Velk has been with Blaine County for 16 years. She started and completed the initial Enhanced 911 project. Her current title is the Emergency Manager which includes Disaster and Emergency Services Coordinator, Rural Address and 911 Coordinator. Haley also served as the project manager for the successful Blaine County FY 2015 and FY 2018 MLIA grant. Haley has no formal GIS trainings, however does have sixteen years on-the-job knowledge and experience of GIS. Her on the job knowledge and experience includes: three years of basic ArcGIS classes through the cabin fever program at MSU-Northern, 50 weeks of training and capability building funded by our successful FY 2015 MLIA grant, and a basic ArcMap course taught by Geodata Service State Transportation Framework project in 2002, Rural Addressing/Enhanced 911 in 2003-2005, upkeep of Rural Addressing/Enhanced 911 data with our Consultant, State Right of Way Project and Transportation Asset Data Collection with the County Transportation Director. She has working knowledge of Trimble Juno SB's, ArcGIS Desktop, ArcGIS Online, Collector App and ArcPad.

Local county coordination will take place with our GIS Department staff, which includes Eric and Dirk from the County Transportation department, Dave with the IT department, Charlie with the County Commissioners, Christian with the Weed department, Savannah with the Clerk and Recorder's Office, and Laurie with the Emergency Management Department. We will also work with the Blaine County Sheriff's Office and Dispatch Offices along with the City of Chinook and Harlem for this project.

A Long Term GIS department staff goal has been to build a county GIS program and plan for future use of GIS on a county wide level. We have been accomplishing these goals with the assistance of the successful FY 2015 and FY 2018 MLIA grants. Through the FY2015 grant, our department completed 50 weeks of training and capability building. In FY2018, we worked with a consultant to improve and maintain our road centerline, Public Safety Answering Point (PSAP) boundary, and Authoritative Boundary layers in preparation for the Next Generation 9-1-1(NG9-1-1) implementation.

Blaine County currently uses consultant services to timely and accurately manages the 911 GIS dataset that includes the cities of Chinook, Harlem, and the Fort Belknap Indian Community. We plan to continue this partnership for this proposed project. Our

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Consultant will assist with improving the Site/Structure Address Point layer ensuring that each address is properly placed on top of structures and that the attributes within the address point layer align with the ALI database and the road centerline layer.

Once completed, Blaine County will become an example and a resource for other counties in the State of Montana on how to benefit from, prepare for, and improve GIS data for NG9-1-1.

SECTION 5 – SCOPE OF WORK

Desired outcome: Update and standardize Blaine County's existing Geographic Information Systems (GIS) site/structure address point layers which will result in highly accurate GIS data for improved public safety.

Objective: Update the existing Site/Structure Address Point Layer. The final layer will adhere to National Emergency Number Association (NENA) NG9-1-1 GIS Standards and preparation for Next Generation 9-1-1 (NG9-1-1) implementation.

Task: Project Initiation

Blaine County will hold a conference call with our Consultant to define mutual expectations, review the project objectives, establish communication processes, introduce project stakeholders, set periodic progress reporting timeline, discuss initial GIS data schema, and review existing resources that may be used in updating the GIS data layer.

Task: Road Name Attribute Updates

Road name fields in the site/structure layer will be restructured to match road names in the updated roads layer. This procedure indirectly synchronizes road names in the site/structure layer with the FY2018 grant ALI database.

Task: ALI Database Synchronization

Our Consultant will compare the ALI database to the site/structure point layer to identify any addresses with landline telephones that are not currently represented in the site/structure point layer. Missing points will be added using aerial imagery, existing site/structure points, and available county-provided resources such as tax parcels as a guide. Newly added points will be attributed with address information from the ALI database and existing GIS data layers. The comparison process will also uncover any address discrepancies between the ALI database and the site/structure points. Our Consultant will investigate these discrepancies using existing GIS data layers as a guide. If the site/structure layer appears to contain errors, the address will be updated as needed. Questionable addresses and suspected ALI database errors will be flagged for Blaine County review. If it is determined that an address is

incorrect in the ALI database, our Consultant will notify Blaine County for resolution.

Task: Spatial Updates

Using aerial imagery and tax parcels for reference, our Consultant will visually scan the entire county to ensure consistent and accurate spatial placement of site/structure points. Points will be placed on structure rooftops. For multi-unit structures (e.g., apartment complexes, strip malls, mobile home parks) where a point does not already exist, our Consultant will create one new point for each building with a unique street address number (not including unit numbers) and will work with Blaine County to establish an agreed-upon point placement methodology. If multiple points already exist for individual units of a multi-unit structure, these points will be retained but will not be moved.

Task: Confirmation of Point Placement and Address Accuracy

Points that cannot be accurately added or updated using available resources will be placed at the best known location and flagged as needing further investigation. After our Consultant has finished initial site/structure layer updates, a shapefile or list of address points that could not be confidently updated will be provided to Blaine County for review. This list will include assessment codes or notes detailing why the address or location is in question. Blaine County is responsible for confirming the correct address or address location and providing that information to our Consultant. Our Consultant will adjust address points based on Blaine County feedback. Blaine County may need to engage in field verification to investigate questionable addresses.

Task: Quality Control

Quality control is an integral part of this project. Before the final GIS data is provided to Blaine County, our Consultant will complete numerous Quality Control (QC) audits to ensure the final map data deliverables are accurate. Issues detected outside of scope will be referred back to Blaine County for resolution. The data will be rerun through the QC checks to verify the changes have been properly made.

SECTION 6 – BUDGET JUSTIFICATION AND BUDGET TABLE

For this proposed onetime project, we will utilize our current contractor, who helps us manage our 911 Geographic Information Systems (GIS) Dataset for Blaine County and the cities of Chinook, Harlem, and the Fort Belknap Indian Community. They also provides mapping and geographic based decision support software to enhanced 9-1-1 call handling in our Dispatch center.

We have discussed the project with our contractor and they have provided a quote for updating the Site/Structure Address Point layer data for NG9-1-1 at a cost \$7,639.00.

Blaine County will be contributing in-kind funds to the project in the amount of \$2,500.00. We will accomplish this through general project support, which includes providing pertinent project information and documentation, and assisting in ongoing quality control. We will be submitting the GIS information; GIS map data, public safety databases, and/or other resources to our contractor. In addition to the above, Blaine County will be responsible for the coordination and attendance to conference calls, confirmation of location of questionable addresses, QA/QC and review of the final data and provide feedback or updates as needed.

Through the FY2015 MLIA grant, we accomplished our initial goal of building a self-sustaining GIS department and budget. Our GIS Department meets monthly to address any issues with the county GIS data and plan for the future of the Blaine County GIS program. The GIS department's established budget helps fund the program's goals and provide continued training to our staff. Our limited budget forces us to look at additional funding opportunities that tie into our GIS program goals.

MLIA GRANT BUDGET SUMMARY TABLE

MLIA GRANT BUDGET SUMMARY								
	MLIA Summary	Applicant Summary						Total:
Category	MLIA Share	Applicant Cash	Applicant In-kind	Applicant Subtotal				<i>MLIA Share, Applicant Subtotal, Partner Subtotal</i>
a. Personnel			\$2,500.00	\$2,500.00				\$2,500.00
a. 1. Fringe Benefits								
b. Travel								
c. Equipment								
d. Supplies & Materials								
e. Contractual	\$7,639.00							
f. Other								
Total	\$7,639.00		\$2500.00	\$2,500.00				10,139.00

**Modify, add, or remove the funding partners column(s) as needed to define a clear budget*

SECTION 7 – RENEWABLE GRANT ACCOUNTABILITY

Report for 2017- 2018 MLIA Grant

Blaine County's Initial phase of our NG 9-1-1 Data Standardization Project was funded through FY2017 MLIA grant monies. Thus far, we have completed the contract with Geo-Comm, Inc. (GeoComm) which was to update existing GIS layers that include our road centerline, PSAP boundary, and to develop the new Authoritative Boundary layers. The updated data was successfully implemented into the Public Safety Answering Point (PSAP) dispatching software in our Sheriff's department. We will continue to use our road centerline layer and work with GeoComm to update the county road map to accurately depict all the roads within the county that are open to public travel. When complete we will share the improved data with the State Library for their statewide MSDI transportation layer and with the Montana Department of Transportation. This updated data will be loaded into the Public Safety Answering Point (PSAP) dispatching software also. Once this is complete we will work with GeoData services to assist us with the update to our county road maps and plat book we reproduce for public use.

Report for 2014-2015 MLIA Grant

The overall goal of the FY2015 MLIA Grant was to improve the GIS capabilities in Blaine County and to build and maintain a sustainable GIS Program for staff and public officials.

We accomplished this goal through the following projects:

We participated in weekly (50) – 2 hour training sessions in which we had from five to nine individuals in attendance.

We purchased two iPads and two Samsung Galaxy Notes to assist us with field and disconnected data collection. One of the newly purchased iPad has Verizon service for real time field data collection. These devices are being used to produce new layers and collect new data along with updating existing layers. This training and the newly purchased devices have standardized our data collection process.

We upgraded from four single use licenses to four concurrent use licenses through ESRI for ArcMap.

We worked with Geo Data Services to set up a standardized method of storing data they also assisted us cleaning up existing layers and creating new geodata bases.

We have also been working extensively on converting the current county plat book and ownership map from Drafix CAD to ArcView. Geo Data Services has assisted with the conversion and set up of the maps. We now keep the data updated and available to the public. Throughout the year, many online maps were made and are available through

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our public ArcGIS online service. There are other department heads currently working on more of these maps that will be made public through the county website.

SECTION 8 – AUTHORIZING STATEMENT

Authorizing Statement

I hereby certify that I have read the application and 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.

Charles Kulbeck

Name (print or type)

Blaine County Chair

Title (print or type)

Charles Kulbeck

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

2/8/16

Date

SECTION 9 – CHECKLIST – SIGNATURES REQUIRED

Applicant's Project Manager, defined Section 1, must initial in ink or mark 'n/a' if a section is not applicable.

Initial or mark n/a	Completed Required Task
n/a	Proposal Prepared by an outside party – I have read this document in its entirety. <i>(if applicable)</i>
hv	Section 1 – Applicant, Partner, and Proposal Information
hv	Primary Applicant Information
n/a	Funding Partner <i>(if applicable)</i>
hv	Proposal Information
hv	List All Past Awarded MLIA Grants
hv	Section 2 – Relevance <i>(300 max word limit)</i>
hv	Section 3 – Public Benefit
hv	Section 4 – Project Management
hv	Section 5 – Scope of Work Narrative <i>(4-page limit)</i>
hv	Section 6 – Budget Justification Narrative and Table <i>(3-page limit)</i>
hv	Budget Justification Narrative
hv	Complete Budget Table
n/a	Section 7 – Funding Partner Statements of Support <i>(if applicable)</i>
hv	Section 8 – Renewable Grant Accountability Narrative <i>(if applicable)</i>
hv	FY2018 Grantee Report <i>(if applicable)</i>
hv	Past MLIA Grant Project Narrative <i>(if applicable)</i>
hv	Section 9 – A Signed Authorizing Statement