MONTANA GEOSPATIAL INFORMATION ACT GRANT APPLICATION STATE FISCAL YEARS 2027-2028 JULY 1, 2026 – JUNE 30, 2028

NG9-1-1 AND ELECTIONS GIS FOR LIBERTY COUNTY

APPLICATION FOR FY2027 MGIA GRANT FUNDING

SECTION 1 – ORGANIZATION, PARTNER, AND PROPOSAL INFORMATION

Provide basic information about your organization, the total MGIA grant request and any match, and a short executive summary of your project (up to 400 words). Identify the FY2027 MGIA grant program priority, whether the project is one or multiple years, and list all funding partners.

Primary Applicant Contact Information (Please fill this section out in its entirety)	
Name of Agency/Entity:	Liberty County
Department:	Liberty County Sheriff
Division/Section:	
Street:	111.5 East Adams Ave
City:	Chester
County:	Liberty
State:	Montana
Zip Code:	59522
Project Manager Contact Information:	
Name:	Davin Padmos
Title:	Clerk and Recorder
Email Address:	clerk@libertycountymt.gov
Phone Number:	1-406-759-5365
Secondary Project Manager Contact Information	
Name:	Jim Ghekiere
Title:	911-Coordinator
Email Address	weed@libertycountymt.gov
Phone Number:	1-406-759-5673
Authorized Signer Contact Information	
Name	Davin Padmos
Title	Clerk and Recorder
Email Address	clerk@libertycountymt.gov
Phone Number	1-406-759-5365

Proposal Information	
Date Submitted:	February 25, 2026
Identified Grant Priority: *See the [Montana Geospatial Info Plan](#) for information on priorities.*	NG911, Geo-Enabled Elections
Proposal Prepared By:	Technical Consultant
Short Title of Proposal:	NG911 and Elections GIS for Liberty County

Executive Summary
Liberty County is proposing to initiate efforts to bring its current Next-Gen 9-1-1 (NG911) GIS data into compliance with the National Emergency Number Association (NENA) Next Generation Core Services (NGCS) Data Model, NENA-STA-006.2a-2022. The County's current Geo-Enabled Elections data is also to be managed and updated in parallel with the NG911 data. The County will pursue this effort with the assistance of its current Term Engineer as Technical Consultant.
Liberty County is a relatively small, lower-populated county that has not yet begun efforts to meet national compliance requirements for the NG911 data model. They have completed a recent update (<5 years) of the Master Street Address Guide (MSAG) and Automatic Location Identification (ALI) tables. Awards from this MGIA grant cycle will be directed toward consolidating and managing the county's current GIS data for NG911 (jurisdictional/PSAP boundaries, road centerlines, and site/structure address points) while also updating data for Geo-Enabled Elections (address points and administrative boundaries).
The County plans to use the Montana State Library's (MSL) Validation/Aggregation Portal to ensure the quality of the data involved. All project deliverables will be applicable to the respective statewide dataset initiatives they may be a part of.
Updated, standardized data for these initiatives will benefit associated communities' emergency service response and coordination, as well as other municipal functions throughout the County. The deliverables created from these efforts will provide an excellent foundation for the continued management and implementation of Liberty County's GIS datasets.

MGIA Grant Funding Request and Match	
Total Requested MGIA Funds:	$25,000
Total Matched Funds:	$0

SECTION 2 – PUBLIC BENEFIT

Briefly explain how your project supports one or more MSDI Themes or initiatives, what you will deliver, and how the results will benefit multiple agencies and Montana communities through local impact, cost savings, or efficiency gains.

10% of the Total Score - 300-word limit

This project directly addresses the Montana Spatial Data Infrastructure (MSDI) priorities for NG911 and Geo-Enabled Elections data development. The transition to the NG911 data model is an essential, and ultimately federally mandated requirement for all jurisdictions across the United States. This model represents the next generation of emergency response datasets, replacing legacy systems utilizing the MSAG and ALI tables. By implementing the NG911 data model, Liberty County and the State of Montana will gain a modern, robust, and standards-based dataset that improves accuracy, reliability, and interoperability for dispatch operations and emergency response.

The datasets produced by this project will fully comply with current NENA standards and be structured to support ongoing maintenance upon completion of this grant cycle. Because addressing and physical environments continuously change, the ability to update and refine data dynamically is critical to ensuring long-term completeness and reliability.

In addition to NG911 benefits, this project also enhances Geo-Enabled Elections capabilities. As election officials and the public increasingly recognize the importance of accurate spatial data, Geo-Enabled Election systems could help reduce inconsistencies and administrative inefficiencies. They can help increase voting day logistics and voter confidence. Accurate GIS-based election datasets help ensure correct voter districting, support timely updates to voter registration information, and improve transparency in boundary management or voting trends.

By delivering updated NG911 and Geo-Enabled Elections data for Liberty County that is aligned with both MSDI and NENA standards, this project will help improve accuracy, reliability, and public confidence in emergency first response and elections.

SECTION 3 – PROJECT MANAGEMENT AND ORGANIZATIONAL CAPABILITY

Use this section to show that your organization and team can successfully deliver and manage the project. Briefly describe your relevant experience with similar projects or grants, name the primary and secondary Project Managers and their roles, and explain how you will oversee any consultants, meet reporting requirements, and invoice the State Library for reimbursement.

10% of Total Score - 2-page limit

Management Plan

The Liberty County Project Manager will oversee and coordinate all aspects of the NG9-1-1 data development project, ensuring that timelines, data standards, and deliverables are met. Responsibilities include mandatory reporting, communication with the Montana State Library, oversight of data quality, and management of contracted consultants. The PM will use a structured, transparent workflow to keep the project on schedule and compliant with all requirements.

Oversight of Project Schedule and Deliverables

The PM will:

- Develop and maintain a detailed project schedule outlining milestones, tasks, and deadlines.
- Track progress through regular internal check-ins and consultant updates.
- Ensure all deliverables adhere to MSDI and NENA requirements.
- Adjust the timeline proactively if risks, delays, or data issues arise.

Mandatory Reporting Requirements

The PM will be responsible for meeting all reporting obligations by:

- Submitting required progress reports to the MSL on or ahead of schedule.
- Tracking expenditures, documenting match contributions (if applicable), and maintaining financial accuracy.
- Providing clear descriptions of completed work, issues encountered, and upcoming activities.
- Maintaining organized documentation for audit or grant compliance review.

Communication and Coordination with the MSL

The PM will serve as the primary point of contact for the MSL by:

- Attending scheduled kick-off meetings, routine check-ins, and responding promptly to requests for information.
- Seeking technical guidance when needed to ensure NENA-compliant data development.
- Submitting draft and final datasets for MSL review.
- Ensuring communication remains clear, consistent, and fully documented throughout the project.

Fulfillment of Data Requirements

The PM will ensure all data meets NG9-1-1 standards by:

- Reviewing consultant work to verify compliance with NENA GIS Data Model standards.

- Coordination with necessary county officials to gather source data.

- Managing necessary verifications of addressing, boundaries, and road centerlines.

- Overseeing quality control processes to ensure accuracy, completeness, and topological integrity.

Management and Hiring of Consultants

Liberty County procured its Term Engineer/Technical Consultant through the County's established competitive procurement process, in full compliance with State and Local procurement regulations.

The PM will:

- Supervise consultant performance and ensure all tasks align with contract expectations.

- Review and approve deliverables prior to submission to the MSL.

- Facilitate information sharing between consultants and county staff.

- Resolve questions, provide timely directions, and maintain consistent communication to avoid delays.

- Confirm that invoices match completed work and maintain cost control within the project budget.

Documentation, Quality Assurance, and Final Deliverables

The PM will ensure the project is fully documented by:

- Maintaining project files, datasets, communications, and version histories.

- Implementing a QA/QC review cycle prior to final submission.

- Ensuring that long-term maintenance plans are established so the county can update data beyond the grant period.

Past Record of Performance

The County's Technical Consultant has experience in consolidating and managing NG911 datasets. They have experience coordinating and collaborating with the MSL on the use of their validation and aggregation tools. They have expressed this experience in similar endeavors with other Montana county clients. They are familiar with the individual features associated with the NG911 dataset and their intricacies. They have knowledge and experience in coordinating with adjacent administrative entities to ensure data consistency across the county's extended boundary.

The Technical Consultant has experience in consolidating and managing data associated with geo-enabled elections (address points and administrative boundaries). They are familiar with the need to coordinate with the County to obtain direction on how administrative boundaries are created and used. They are familiar, through other NG911 projects, with the compliance requirements for data regarding election address features.

The PM and Technical Consultant will adhere to the reporting procedures outlined in the MGIA Grant Guidelines. All reporting and validation of work shall be presented to Liberty County when completed or upon request. The PM shall keep a detailed log of work completed and any important considerations as work is completed.

SECTION 4 – SCOPE OF WORK

The Scope of Work (SOW) section explains what your project will accomplish, how it will be carried out, and what it will produce. Applicants should develop their SOW using the Workbook provided, then copy the completed version into this section. Define goals, objectives, and tasks concisely but with enough detail to show clear, logical steps from project purpose to on-the-ground work and deliverables, and ensure that your SOW directly supports the Geospatial Information Plan priority you selected.

Formatting of the SOW is critical. Use the required multilevel list structure provided in the Workbook. If needed, the required formatting can be found in this Word document, under the *Home Menu Ribbon > Paragraph Section > Multilevel List > List Library*.

Tasks must appear in chronological order, each with a specific completion date. All hardware or equipment purchases must be listed as separate, clearly justified tasks.

40% OF TOTAL SCORE – 4 page-limit

Goal 1.   Establish and receive the current state of data and communicate any existing project data knowledge.

   Objective 1.1.   Team meeting.
      Task 1.1.1.   Secondary PM to meet with the Technical Consultant and MSL to describe any existing knowledge or concerns about the project. Review project goals and timelines. Receive all current existing project data from MSL.
            -Completion Date: July 17th, 2026

   Objective 1.2.   Create working road centerline (RCL) and MSAG features.
      Task 1.2.1.   Download the latest MSAG from 911 Net-IUP. Run the first-round validations for RCL (single layer) and MSAG-to-RCL (multi-layer).
            -Completion Date: July 24th, 2026

   Objective 1.3.   Create working address points (SSAP) and ALI features.
      Task 1.3.1.   Download the latest ALI from 911 Net-IUP. Run first round validations for SSAP (single layer), SSAP to RCL (multi-layer), and ALI to SSAP/RCL (multi-layer).
            -Completion Date: July 31st, 2026

   Objective 1.4.   Create working NG911 Boundary features.
      Task 1.4.1.   Run first round validations on all NG911 boundaries: Provisioning, PSAP, Police, Fire, and EMS. This includes single and multi-layer validations.
            -Completion Date: August 7th, 2026

Objective 1.5.   Create working elections address points and administrative boundaries.
    Task 1.5.1.   Receive data from MSL and assess address mismatches from NG911 addresses and/or unplaced voters.
        -Completion Date: August 14th, 2026

Objective 1.6.   Attend the Kickoff meeting with MSL.
    Task 1.6.1.   Attend the kickoff meeting.
        -Completion Date: Week of August 10th, 2026

Goal 2.   NG911 feature updates and aggregations.

Objective 2.1.   RCL feature and MSAG.
    Task 2.1.1.   Edits to the RCL feature and conformity to the MSAG through validations with MSL.
        -Completion Date: August 28th, 2026

Objective 2.2.   SSAP feature and ALI.
    Task 2.2.1.   Edits to the SSAP feature and conformity to ALI/RCLs through validations with MSL.
        -Completion Date: September 11th, 2026

Objective 2.3.   Boundary features.
    Task 2.3.1.   Edits to the NG911 boundary features and coordination with Liberty County on jurisdictions. Validations of boundaries to RCL and SSAP features through MSL.
        -Completion Date: September 25th, 2026

Goal 3.   Geo-Enabled Elections feature updates.

Objective 3.1.   Voter address points.
    Task 3.1.1.   Consolidate address points to conform with the updated NG911 SSAP feature.
        -Completion Date: October 9th, 2026

Objective 3.2.   Administrative (voter) district boundaries.
    Task 3.2.1.   Edits to administrative district boundaries and coordination with Liberty County on the effort.
        -Completion Date: October 23rd, 2026

Goal 4.   Rerun all NG911 validations and final data aggregations.

   Objective 4.1.   Showcase data consistency.
   Task 4.1.1.   Rerun all single and multi-layer validations in the MSL's
        Validation/Aggregation Portal. Perform any final edits necessary to ensure NG911
        data accuracy and Geo-Enabled Elections data consistency.
             -Completion Date: November 13th, 2026

   Objective 4.2.   Data aggregation to MSL.
   Task 4.2.1.   Compile all project data (NG911 and Geo-Enabled Elections) and submit to
        MSL through the Validation/Aggregation portal.
             -Completion Date: November 30th, 2026

   Objective 4.3.   Data submittals to Liberty County.
   Task 4.3.1.   Compile all project data (NG911 and Geo-Enabled Elections) and submit to
        Liberty County in the form of geodatabases.
             -Completion Date: November 30th, 2026

Goal 5.   Long-term maintenance plan development

   Objective 5.1.   Develop long-term funding and resourcing.
   Task 5.1.1.   Meetings and coordination with Liberty County to develop plans to ensure
        continued work on both NG911 and Geo-Enabled data.
             -Completion Date: December 18th, 2026

SECTION 5 – BUDGET JUSTIFICATION AND BUDGET TABLE

Use this section to explain your project's financial need and overall funding plan, including how MGIA funds, your own funds, and any partner contributions will cover the full cost of the work. Briefly state whether this is one-time project work or support for ongoing maintenance and summarize any matching funds (cash or in-kind) and the approximate share of the total project they represent.

You must also complete Budget Table using the provided Excel spreadsheet. Applications without a completed budget table will be rejected.

30% of total score – 2-page limit

Budget Narrative

The budget reflects cost estimates provided by the selected Technical Consultant, hired through official county procurement procedures. Consultant estimates are based on established hourly rates and task-specific scopes for the overall NG9-1-1 dataset development, including addressing updates, road centerline review, election boundary verification, and quality assurance. County staff wages, used to calculate in-kind contributions, are based on standard payroll rates and benefit load percentages. Existing county GIS software, infrastructure, and datasets are utilized at no added cost.

Justification of Expenditures

Grant funds will be used primarily for consultant services essential to producing NG9-1-1-compliant data that will correct addressing and roadway features, update election district boundaries, and prepare final deliverables that meet NENA standards. These tasks require expertise beyond the current county capacity.

County in-kind contributions include project management, coordination with local offices and the State Library, data verification, and review of consultant deliverables. These activities are directly aligned with project requirements and reduce the need for additional contracted work. All in-kind contributions specific to this project will be tracked and documented throughout the project period.

Liberty County		MGIA GRANT DETAILED BUDGET TABLE				
Tasks	**Category Type**	**Funding Source**	**Hours**	**Rate**		**Cost**
Task 1.1.1 - Secondary PM to meet with the Technical Consultant and MSL to describe any existing knowledge or concerns about the project. Review project goals and timeline. Receive all current existing project data from MSL.	Contractual	MGIA Grant Funds	1	$	104.00	$ 104.00
Task 1.2.1 - Download the latest MSAG from 911 Net-IUP. Run the first-round validations for RCL (single layer) and MSAG-to-RCL (multi-layer).	Contractual	MGIA Grant Funds	3	$	104.00	$ 312.00
Task 1.3.1 - Download the latest ALI from 911 Net-IUP. Run first round validations for SSAP (single layer), SSAP to RCL (multi-layer), and ALI to SSAP/RCL (multi-layer).	Contractual	MGIA Grant Funds	3	$	104.00	$ 312.00
Task 1.4.1 - Run first round validations on all NG9-1-1 boundaries: Provisioning, PSAP, Police, Fire, and EMS. This includes single and multi-layer validations.	Contractual	MGIA Grant Funds	3	$	104.00	$ 312.00
Task 1.5.1 - Receive data from MSL and assess address mismatches from NG9-1-1 addresses and/or unplaced voters.	Contractual	MGIA Grant Funds	3	$	104.00	$ 312.00
Task 1.6.1. - Attend the kickoff meeting.			16	$	104.00	$ 1,664.00
Task 2.1.1 - Edits to the RCL feature and conformity to the MSAG through validations with MSL.	Contractual	MGIA Grant Funds	40	$	104.00	$ 4,160.00
Task 2.2.1 - Edits to the SSAP feature and conformity to ALI/RCLs through validations with MSL.	Contractual	MGIA Grant Funds	40	$	104.00	$ 4,160.00
Task 2.3.1 - Edits to the NG9-1-1 boundary features and coordination with Liberty County on jurisdictions. Validations of boundaries to RCL and SSAP features through MSL.	Contractual	MGIA Grant Funds	40	$	104.00	$ 4,160.00
Task 3.1.1 - Consolidate address points to conform with the updated NG9-1-1 SSAP feature.	Contractual	MGIA Grant Funds	35	$	104.00	$ 3,640.00
Task 3.2.1 - Edits to administrative district boundaries and coordination with Liberty County on the effort.	Contractual	MGIA Grant Funds	20	$	104.00	$ 2,080.00
Task 4.1.1 - Rerun all single and multi-layer validations in the MSL's Validation/Aggregation Portal. Perform any final edits necessary to ensure NG9-1-1 data accuracy and Geo-Enabled Elections data consistency.	Contractual	MGIA Grant Funds	27	$	104.00	$ 2,808.00
Task 4.2.1 - Compile all project data (NG9-1-1 and Geo-Enabled Elections) and submit to MSL through the Validation/Aggregation portal.	Contractual	MGIA Grant Funds	3	$	104.00	$ 312.00
Task 4.3.1 - Compile all project data (NG9-1-1 and Geo-Enabled Elections) and submit to Liberty County in the form of geodatabases.	Contractual	MGIA Grant Funds	3	$	104.00	$ 312.00
Task 5.1.1. - Meetings and coordination with Liberty County to develop plans to ensure continued work on both NG9-1-1 and Geo-Enabled data.	Contractual	MGIA Grant Funds	3	$	104.00	$ 312.00
		Totals:	240			$ 24,960.00

January 13, 2026

SECTION 6 – PROJECT SUSTAINABILITY

Use this section to explain how the results of your project will be maintained and used after the grant ends, including who will be responsible, how ongoing costs will be funded, and how the work will fit into your regular operations. Describe how you will coordinate with the Montana State Library on any MSDI data updates and, if you are new to GIS, how this project will help you establish sustainable workflows and build long-term GIS capacity.

10% of score - 300-word limit

The deliverables produced through this project, including updated NENA-compliant NG9-1-1 datasets and Geo-Enabled elections features, are living datasets that require ongoing maintenance to remain accurate, functional, and operationally reliable. Liberty County is committed to the long-term stewardship of both datasets to ensure they continue to support emergency response and election administration effectively.

NG9-1-1 Data Sustainability:
Liberty County will maintain responsibility for all future updates to the NG9-1-1 data, either through county staff or through subcontracted support when specialized expertise is required. This includes the ongoing management and quality assurance of road centerlines, site/structure address points, and jurisdictional boundary features. Any future contracts for maintenance work will follow county procurement procedures, and the County will ensure that updated datasets continue to meet all applicable NENA standards. All revised NG9-1-1 data will be submitted to the MSL to support statewide dataset coordination.

Geo-Enabled Elections Sustainability:
The County will likewise sustain the Geo-Enabled elections datasets by performing or subcontracting updates to the structure of address information, precinct and district boundaries, and other administrative election features. Liberty County will manage quality control processes to ensure that election-related GIS data remains accurate for voter assignment, district verification, and public transparency. As with the NG9-1-1 data, any work completed by external consultants will follow county procurement requirements. Updated datasets will be submitted to the MSL for statewide integration.

Through these commitments, Liberty County will ensure that both the NG911 and Geo-Enabled elections datasets continue to evolve, remaining accurate and authoritative resources for emergency response and election administration. This sustained maintenance approach ensures the project's benefits extend well beyond the grant period, supporting public safety and confidence for years to come.

SECTION 7 - RENEWABLE GRANT ACCOUNTABILITY

Please use [this web map to research and identify past awarded MGIA Grants](#).

Applicants awarded MGIA Grants within the past five years, must provide a written narrative for each grant awarded, outlining the successes and failures of the grant. Explain how tasks, timelines, and deliverables of the project were or were not met. Demonstrate how past project failures will ensure future successes. (200-word limit each).

Liberty County was awarded a 2021 MLIA Grant to update the ALI and MSAG tables to support dispatch and the eventual transition to NG911. For this project, Liberty County contracted with a Technical Consultant. As a result of this project, the MSAG and ALI datasets were restored to NENA compliance standards. This project was primarily funded by Grant awards, with a small contribution from a private donor

This project was an overall success. All work necessary to complete the dataset updates was finished within the proposed timelines, and all delivery expectations were met. This current MGIA Grant funding will support the continued development of these datasets, bringing them into NG911 standards. Liberty County continues to ensure that this data remains accurate and compliant for years to come.

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Totals:			240		$ 24,960.00

Liberty County

PO Box 459
Chester, Montana 59522

Phone: (406) 759-5365   Fax: (406) 759-5395

INVOICE

Date: 2/17/2026

Email:

Date of Service	Description	Count	Cost	TOTAL
2/17/2026		0	$0.00	$0.00
		0	$0.00	$0.00
		Total:		**$0.00**

Please write checks to: Liberty County