WHEATLAND COUNTY SHERIFFS OFFICE

WHEATLAND-GOLDEN VALLEY NEXT GENERATION 911 DATA VALIDATIONS & TRANSITION

MONTANA GEOSPATIAL INFORMATION ACT GRANT APPLICATION

STATE FISCAL YEAR 2025: JULY 1, 2024 – JUNE 30, 2025

TABLE OF CONTENTS

SECTION 1 – ORGANIZATION, PARTNER, & PROPOSAL INFORMATION

Primary Applicant Contact Information *(Please fill this section out in its entirety)*	
Name of Agency/Entity:	Wheatland County
Office:	Sheriffs Office
Division/Section:	911
Street:	203 A Ave NW
City:	Harlowton
County:	Wheatland
State:	Montana
Zip Code:	59036
Project Manager Contact Information:	
Name:	Jalene Brouillette
Title:	911 Coordinator
Email Address:	admin@wheatlandcomt.gov
Phone Number:	(406) 632-5614
Fax Number:	(406) 632-5654
Secondary Project Manager Contact Information:	
Name:	Everett Misner
Title:	Wheatland County Sheriff
Email Address:	sheriff@wheatlandcomt.gov
Phone Number:	(406) 632-5614
Fax Number:	(406) 632-5654
MGIA Grant Funding Request & Match:	
Total Requested MGIA Funds:	$19,750
Total Matched Funds:	$455

Proposal Information	
Identified Grant Priority:	*NG-9-1-1*
Annual or Multi-Year Proposal:	*Annual*
Proposal Prepared By:	Wheatland County Sheriffs Office
Short Title of Proposal:	Wheatland-Golden Valley Next Generation 911 Data Validation & Transition
Executive Summary:	

Wheatland-Golden Valley PSAP is now in a position where the inter-counties' agencies have realized that there are serious discrepancies with their current addressing and E-911 system. As two rural counties operating under the same PSAP (Wheatland County Sheriffs Office), with low population density, having concise addressing data that is reliable and current is integral to first response. The county has researched other NG-9-1-1 projects in the state and realizes the standards that they will be required to meet in the years to come as the statewide transition is implemented. The proposed phase of the Next Generation 9-1-1 transition will lay the framework for National Emergency Number Association (NENA) standards. This phase of the project will aim at building a reliable database that is ready for NENA assessment, including road centerline data, address structures, PSAPs, Emergency Service Boundaries, etc. Wheatland County Sheriffs Office has contracted with Great West Engineering. Great West's GIS team has the capabilities to build a GIS framework to support the next steps of the NG-9-1-1 transition. Great West will provide services to both build and respond to post assessments, after running assessment scripts to identify discrepancies in the current E-911 tables. The upcoming statewide assessment system will be utilized.

SECTION 2 – RELEVANCE

This project aims to benefit the Montana State Library's addressing data (structure) by producing a dataset that is compliant with NENA standards as well as laying a foundational go-by for the county to continue maintenance and updates to the data down the road, in addition to facilitating and building necessary GIS inputs for NG-9-1-1 implementation. Currently, the county lacks any substantial GIS framework in any division. This phase of the project will aim at building a reliable database that is ready for NENA assessment, including road centerline data, address structures, PSAPs, Emergency Service Boundaries, etc. This project will not only be of benefit to the Montana State Library by providing NENA compliant data, but also across agencies within the county including providing the county with their own road network, a reliable structure dataset, and the means to build out their GIS capacity to public works and make data that can be shared county and agency wide. This project aligns with Tier 1 Grant Priorities such as developing Public Safety Answering Point (PSAP) boundaries, emergency service boundaries, as well as building a NENA compliant road centerline dataset. Another priority of this project will be to begin preliminary QAQC of current/previous address structure placement from the current E-911 system.

SECTION 3 – PUBLIC BENEFIT

1) This project aims to benefit the Montana State Library's addressing data (structure) by producing a dataset that is compliant with NENA standards as well as laying a foundational template for the county to continue maintenance and updates to the data down the road. Another theme that will be derived from the deliverable data is a road centerline dataset that will be NENA compliant that can be utilized with the transition of MSDI transportation themes.

2) This project will not only be of benefit to the Montana State Library by providing NENA compliant data, but also across agencies within the county including providing the county with their own road network, a reliable structure dataset, and the means to build out their GIS capacity to public works and make data that can be shared county and agency wide. While the goal is to provide a better framework for emergency response to county residents, the GIS system that will be built can be expanded to benefit a number of agency sectors within Wheatland and Golden Valley County.

3) Public benefits to the public include an in depth QAQC of existing structures and a phased approach to bringing their emergency response system to NG-9-1-1.This project will also lend in providing publicly available data in the form of webmap and webmap-applications. This project would not only benefit the county and state, but also the wellbeing of all Wheatland and Golden Valley County residents. This initial phase of the project will lay the first steppingstone in creating a safer and more resilient community.

SECTION 4 – PROJECT MANAGEMENT AND ORGANZIATIONAL CAPABILITY

Wheatland County has extensive experience applying and managing grant awarded projects. Jalene Brouillette will be responsible for working with Montana State Library to provide quarterly reporting, invoicing, and forthcoming data deliverables. Jalene will be the primary point of contact with the hired consultants (Great West Engineering), managing the project scheduling, meeting coordination, etc.

The Secondary Project Manager, Everett Misner, Wheatland County Sheriff.

The consultant, Great West Engineering GIS staff (Matt Blassic & Hannah Nishek), will be responsible for execution of items listed in the Scope of Work. This will include execution of all GIS related items in the provided Scope of Work. Matt's qualifications include a Bachelor of Science in Geography with a focus on GIS and Cartography from the University of Montana. Matt is the on-call GIS/Addressing Coordinator for Meagher County, Wheatland & Golden Valley counties and continues to work with the county on all GIS related matters as well as being a constant GIS addressing resource for Broadwater County. He also has extensive experience providing management assistance to MLIA awarded communities.

See attached PDF Invoice

SECTION 5 – SCOPE OF WORK

Scope Of Work Example with Correct Formatting:

Goal 1.   Analyze Esting Site Structure Address Points and Road Centerlines against legacy data

Objective 1.1.   Project Startup & Kickoff Meeting

Task 1.1.1.   Kickoff Meeting – Contractor will host meeting. Meeting invitees will be comprised of Wheatland County Sheriffs Office, Great West Engineering, the Agency, and relevant county agencies to review project.
-Completion Date: June 30, 2024

Objective 1.2.   Single Layer Validations - Validate and Compile NENA Compliant Site Structure Address Points (SSAPs) & Road Centerlines (RCLs)

Task 1.2.1.   Use the Montana State Library *Data Validation & Aggregation Tool* to complete all single layer validations for SSAP points. This task will include a multitude of validations
-Completion Date: September 30, 2024

Task 1.2.2.   Use the Montana State Library *Data Validation & Aggregation Tool* to complete all single layer validations for Road Centerlines. This task will include a multitude of validations
-Completion Date: October 30, 2024

Goal 2.   Compile, Review, and Analyze All Existing Boundary Datasets for PSAP

Objective 2.1.   Single Layer Validations – Validate and Compile PSAP, Fire, EMS, and Law Boundaries

Task 2.1.1.   Use the Montana State Library *Data Validation & Aggregation Tool* to complete all single layer validations for PSAP Boundary
-Completion Date: November 30, 2024

Task 2.1.2.   Use the Montana State Library *Data Validation & Aggregation Tool* to complete all single layer validations for Fire Boundaries
-Completion Date: November 30, 2024

Task 2.1.3.   Use the Montana State Library *Data Validation & Aggregation Tool* to complete all single layer validations for EMS Boundaries
-Completion Date: November 30, 2024

Task 2.1.4.   Use the Montana State Library *Data Validation & Aggregation Tool* to complete all single layer validations for Law Boundaries
-Completion Date: November 30, 2024

Task 2.1.5.   Complete and Finalize Emergency Service Boundaries – Have final boundaries ready to bring to county agencies and neighboring county agencies and have all geometry fixed to current administrative PSAP boundaries.
-Completion Date: December 20, 2024

Goal 3.   Complete Multi-layer Validations

Objective 3.1.   Use the Montana State Library *Data Validation & Aggregation Tool* to validate and correct all layer-to-layer validations necessary as outlined by Montana State Library

Task 3.1.1.   Use the Montana State Library *Data Validation & Aggregation Tool* to validate all multi-layer validations required by the OneSpatial Validation Portal
-Completion Date: January 30, 2025

Goal 4.   Legacy Data Validations
   Objective 4.1.   Complete all necessary legacy data validations
   Task 4.1.1.   Review, compile, and validate MSAG legacy data from E911 system.
-Completion Date: March 30, 2025
   Task 4.1.2.   Use the Montana State Library *Data Validation & Aggregation Tool* to validate Wheatland-Golden Valley County Road Centerlines and Structures Datasets against the state standards and 9-1-1 Master Street Address Guide (MSAG), Automatic Location Identifier (ALI) datasets.
-Completion Date: April 30, 2025
Goal 5.   Prepare Existing Data from Goals 1 through 4 for State Assessment
   Objective 5.1.   Compile Geodatabase & Spatial Data for Assessment
   Task 5.1.1.   Run Topology on Datasets developed in previous tasks and goals.
-Completion Date: May 31, 2025

SECTION 6 – BUDGET JUSTIFICATION & BUDGET TABLE

Tasks 1.2.1. through 1.2.2. – Validating NENA & Correcting Compliant Roads/Structures

MGIA funds will be used to facilitate GIS related database services in order to transpose all existing data to updated data schemas that are compliant with NENA standards and begin single layer validations. This will include the visual QA of all structures within the PSAP.

Task 2.1.1 through 2.1.5 - Validating & Correcting NENA Compliant Boundary Datasets

MGIA funds will be used to account for the validating and correcting PSAP, Fire, EMS, and Law Boundary datasets. This will include working internally as well as with neighbors to finalize the PSAP boundary.

Task 3.1.1 – Multi-layer Validations and Corrections

Consultant will use the Montana State Library *Data Validation & Aggregation Tool* to validate and correct all layer-to-layer validations necessary as outlined by Montana State Library.

Task 4.1.1 through 4.1.2 – Compile existing Legacy data including MSAG tables as well as ALI data and validate using State's validation tool, as well as correcting and facilitating any necessary changes with neighboring PSAPs.

Contractor will work with legacy provider and county staff to finalize and enhance existing legacy data to reach validation.

Task 5.1.1. – Run Topology on Datasets Developed for State Assessment

Contractor will run necessary topology and resolve all topologic errors that exist using error inspector.

Budget Table

Gotham City	MLIA GRANT DETAILED BUDGET TABLE				
Tasks	**Category Type**	**Funding Source**	**Hours**	**Rate**	**Cost**
Task 1.1.1 - Kickoff Meeting	Contractual	MGIA Grant Funds	8	$ 125.00	$ 1,000.00
Task 1.1.1 - Kickoff Meeting	Personnel (incl. fringe benefits)	In-Kind	8	$ 35.00	$ 280.00
Task 1.2.1 - Validate NENA Compliant Site Structure Address Points	Contractual	MGIA Grant Funds	40	$ 125.00	$ 5,000.00
Task 1.2.2 - Validate NENA Road Centerlines	Contractual	MGIA Grant Funds	40	$ 125.00	$ 5,000.00
Task 2.1.1 - Validate NENA PSAP Boundary	Contractual	MGIA Grant Funds	5	$ 125.00	$ 625.00
Task 2.1.2 - Validate NENA Fire Boundaries	Contractual	MGIA Grant Funds	5	$ 125.00	$ 625.00
Task 2.1.3 - Validate NENA EMS Boundaries	Contractual	MGIA Grant Funds	5	$ 125.00	$ 625.00
Task 2.1.4 - Validate NENA Law Boundary	Contractual	MGIA Grant Funds	5	$ 125.00	$ 625.00
Task 2.1.5 - Finalize Emergency Service Boundaries	Personnel (incl. fringe benefits)	In-Kind	5	$ 35.00	$ 175.00
Task 2.1.5 - Finalize Emergency Service Boundaries	Contractual	MGIA Grant Funds	10	$ 125.00	$ 1,250.00
Task 3.1.1 - Muti-layer Validations	Contractual	MGIA Grant Funds	10	$ 125.00	$ 1,250.00
Task 4.1.1 - Legacy Validations	Contractual	MGIA Grant Funds	10	$ 125.00	$ 1,250.00
Task 4.1.2 - ALI Validations	Contractual	MGIA Grant Funds	10	$ 125.00	$ 1,250.00
Task 5.1.1 - Run Topology on NENA NG-9-1-1 Datasets	Contractual	MGIA Grant Funds	10	$ 125.00	$ 1,250.00
		Totals:	171		$20,205.00

Gotham City		MLIA GRANT DETAILED BUDGET TABLE			
Tasks	**Category Type**	**Funding Source**	**Hours**	**Rate**	**Cost**
Task 1.1.1 - Kickoff Meeting	Contractual	MGIA Grant Funds	8	$ 125.00	$ 1,000.00
Task 1.1.1 - Kickoff Meeting	Personnel (incl. fringe benefits)	In-Kind	8	$ 35.00	$ 280.00
Task 1.2.1 - Validate NENA Compliant Site Structure Address Points	Contractual	MGIA Grant Funds	40	$ 125.00	$ 5,000.00
Task 1.2.2 - Validate NENA Road Centerlines	Contractual	MGIA Grant Funds	40	$ 125.00	$ 5,000.00
Task 2.1.1 - Validate NENA PSAP Boundary	Contractual	MGIA Grant Funds	5	$ 125.00	$ 625.00
Task 2.1.2 - Validate NENA Fire Boundaries	Contractual	MGIA Grant Funds	5	$ 125.00	$ 625.00
Task 2.1.3 - Validate NENA EMS Boundaries	Contractual	MGIA Grant Funds	5	$ 125.00	$ 625.00
Task 2.1.4 - Validate NENA Law Boundary	Contractual	MGIA Grant Funds	5	$ 125.00	$ 625.00
Task 2.1.5 - Finalize Emergency Service Boundaries	Personnel (incl. fringe benefits)	In-Kind	5	$ 35.00	$ 175.00
Task 2.1.5 - Finalize Emergency Service Boundaries	Contractual	MGIA Grant Funds	10	$ 125.00	$ 1,250.00
Task 3.1.1 - Muti-layer Validations	Contractual	MGIA Grant Funds	10	$ 125.00	$ 1,250.00
Task 4.1.1 - Legacy Validations	Contractual	MGIA Grant Funds	10	$ 125.00	$ 1,250.00
Task 4.1.2 - ALI Validations	Contractual	MGIA Grant Funds	10	$ 125.00	$ 1,250.00
Task 5.1.1 - Run Topology on NENA NG-9-1-1 Datasets	Contractual	MGIA Grant Funds	10	$ 125.00	$ 1,250.00
		Totals:	171		$ 20,205.00

SECTION 7 – PROJECT SUSTAINABILITY

The end goal of this project, which will be multi-phased as this phase will focus on the development of the data and assessments, is to provide Wheatland and Golden Valley County residents with a sustainable dataset that is NENA compliant and ready for the roll out of NG-911 statewide. The data will be developed in a manner that will be easily transferable and shared by the contractor (Great West Engineering) and can be managed by Wheatland County Sheriffs Office. While the main component of the outcome of this project is a safer more efficient system for emergency response, another primary goal is to provide compliant data to the Montana State Library and its MSDI Framework. Wheatland County Sheriffs Office will utilize support from both Great West Engineering and Michael Fashoway, among other resources, to provide the most sustainable GIS and data management system. Data will be shared by the contractor and visualized using ArcGIS Pro and ArcGIS Online (AGOL) in future phases of this project so that Wheatland and Golden Valley County can begin training and staffing for a position to manage the county's addressing dataset, the end goal also to have Wheatland County Sheriffs Office provide additional GIS outputs to county residents including public works information and other additional frameworks to benefit the county. Wheatland and Golden Valley County's Road Office and public works will be able to share spatial information with its residents, as well as other public Offices will be able to make their data publicly viewable with real world locations and viewable interfaces.

January 2024

Wheatland County Sheriff's Office

Everett Misner, Sheriff
Randy L. Cameron, Undersheriff

Office Number	: (406) 632-5614
Fax Number	: (406) 632-5654

PO Box 757, 203 A Ave NW, Harlowton, MT 59036

Invoice	Printed on February 27, 2024

Billed To BLASSIC, MATT

Reference
Invoice # IN2400013
Invoice Date 2/27/24
Due Date 3/28/24

Item	Disburse To	Hold From Disb.	Amount Owed	Amount Paid
		Total Owed		$0.00
		Total Paid		$0.00
		Uncollectible		$0.00
		Remaining		$0.00

Comments

Wheatland County Sheriff's Office
203 A AVE NW
HARLOWTON, MT 59036
**Phone: (406) 632-5614**
Fax: (406) 632-5654

Authorizing Statement

I hereby certify that I have read the above application for the FY2025 MGIA Grant Program 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.

Everett Misner
_____
Applicant Authorized Signer Name

Sheriff
_____
Title
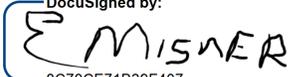
DocuSigned by:

E MISNER
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Signature

3/18/2024
_____
Date

Complete Grant Application package Received by:

Erin Fashoway
_____
Erin Fashoway, MSL

Montana GIS Coordinator
_____
Title

DocuSigned by:
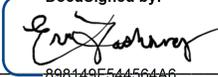
Erin Fashoway
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Signature

3/18/2024
_____
Date

Certificate Of Completion

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Document Pages: 14   Signatures: 2
Certificate Pages: 2   Initials: 0
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Time Zone: (UTC-07:00) Mountain Time (US & Canada)

Status: Completed

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PO Box 201800
Helena, MT 59620-1800
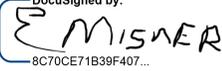sanderson@mt.gov
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     sanderson@mt.gov
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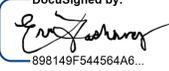| Signer Events	Signature	Timestamp
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In Person Signer Events	Signature	Timestamp

Editor Delivery Events	Status	Timestamp

Agent Delivery Events	Status	Timestamp

Intermediary Delivery Events	Status	Timestamp

Certified Delivery Events	Status	Timestamp

Carbon Copy Events	Status	Timestamp
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Carbon Copy Events	Status	Timestamp
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Witness Events	Signature	Timestamp

Notary Events	Signature	Timestamp

Envelope Summary Events	Status	Timestamps
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Signing Complete	Security Checked	3/18/2024 1:23:11 PM
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Payment Events	Status	Timestamps