

MONTANA LAND INFORMATION GRANT APPLICATION STATE FISCAL YEAR 2020

[July 1, 2019 – June 30, 2020]



CHOUTEAU COUNTY, MT E-911 & GPS/GIS Project

February 15, 2019

**Chouteau County Courthouse
1308 Franklin St
Fort Benton, MT 59442**

APPLICATION FOR MLIA GRANT FUNDING

SECTION 1 – APPLICANT, PARTNER, AND PROPOSAL INFORMATION

Primary Applicant Contact Information <i>(Please fill this section out in its entirety)</i>	
Name of Agency/Entity:	Chouteau County, MT
Department:	Chouteau County Commissioners
Division/Section:	Commissioner Darren Schuster
Street:	1308 Franklin St
City:	Fort Benton
County:	Chouteau
State:	MT
Zip Code:	59442
<i>Project Manager Contact Information:</i>	
Name:	Debra Gessaman
Title:	Disaster and Emergency Services (DES) Coordinator
Email Address:	chouteaucountydes@gmail.com
Phone Number:	406-622-3027
Fax Number:	
<i>Secondary Project Manager Contact Information:</i>	
Name:	Kellie Butler
Title:	Deputy DES/Mapping & Addressing Coordinator
Email Address:	kelliebutler328@gmail.com
Phone Number:	(406) 622-3022

MLIA Grant Funding Request & Match:	
Total Requested MLIA Funds:	\$16,501
Total Matched Funds:	

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Proposal Information	
Date Submitted:	February 15, 2019
Identified Grant Priority:	Support Geographic Information Systems for Public Safety and Emergency Response
Annual or Multi-Year Proposal:	Multi-Year: Third of Four Year Project
Proposal Prepared By:	Chouteau County DES Office
Short Title of Proposal:	CHOUTEAU COUNTY, MT E-911 & GPS/GIS Project
<p>Executive Summary (<i>required – 250 maximum word count</i>):</p> <p>Chouteau County (the County) understands that they will eventually need to migrate their E-911 System to the NG9-1-1 platform. The County is applying for MLIA funding to update the County’s existing Enhanced 9-1-1 and GIS data to meet the NENA NG9-1-1 standards, as well as to supplement current data with additional attribution and information.</p>	
List All Past Awarded MLIA Grants:	
<p>MLIA_2018_01</p> <p>MLIA_2019_01</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:	

SECTION 2 – RELEVANCE

The purpose of the MLIA program is to develop a standardized, sustainable method to collect, maintain, and disseminate information in digital formats about the natural and artificial land characteristics of Montana. Chouteau County has initially met that purpose through the implementation of their Enhanced 9-1-1 (E-911) Telephone System, which was developed between 1998 and 2001 and resulted in a healthy GIS program. To date, approximately 2,650 miles of road have been mapped and 3,500 structures mapped and addressed using the National Emergency Numbering Association's (NENA) standardized data guidelines and US Postal Service (USPS) addressing standards. The County has sustained that initial project effort by supporting an ongoing GIS data maintenance program administered through the County's Disaster and Emergency Services (DES) Office to map, address and integrate new structures and roads and to maintain the existing dataset. The need for accurate and up-to-date digital data to support efficient emergency response and disaster preparedness, as well as disaster mitigation efforts, is best supported through active and robust GIS efforts.

The MLIA's FY 2020's Land Plan Priorities under the heading "Support Geographic Information Systems for Public Safety and Emergency Response" indicates that Next Generation 9-1-1 (NG9-1-1) is an imminent concern and one that is supported by the MLIA objectives. To facilitate the eventual migration of their current E-911 System to the NG9-1-1 platform, the County will need up-to-date structure point and road centerline attribution and emergency responder jurisdictional boundaries that meet the NENA NG9-1-1 standard models. The County is applying for MLIA funding to further their efforts (started in MLIA_2018_01 and continued in MLIA_2019_01) to maintain the County's existing Enhanced 9-1-1 GIS data with ongoing attribution that meets the NENA NG9-1-1 standards, as well as supplement the current data with additional attribution and information.

SECTION 3 – PUBLIC BENEFIT

Chouteau County needs MLIA funding to supplement, upgrade and update existing E-911 data using NENA NG9-1-1 standards. Since most local GPS/GIS data was collected 18+ years ago, the County is concerned that without a concerted effort to review/update their data now, the value of their GIS will keep diminishing as it ages.

The County assigns new construction addresses – if they become aware of it. Residents needing utility/postal services are supposed to contact DES, but without residential building permits, all new structures aren't identified. Some are found via State electrical permitting and phone service orders. Development is often “stumbled into” during fieldwork, but only limited areas are covered. Annual E-911 audits reviewing phone record addresses support identifying growth, but landlines lessen every year, reducing any ability to keep data up-to-date. As wireless devices and local coverage improve, residents drop landlines. Wireless 9-1-1 calls are increasing, but no wireless account info is available. Since 2010, only about 15 new structures are identified/mapped annually. As a result, GIS data attribution is aging quickly without adequate means of maintenance.

To overcome these shortfalls in capturing/maintaining up-to-date structure points and road centerlines, the County proposes a multi-pronged approach to:

- A) collect new data via standardized fieldwork;
- B) maintain the current E-911 data (e.g. road centerlines, structure points and emergency service jurisdictions) using NG9-1-1 standards;
- C) continue private/public GIS distribution via AGOL publishing of updated digital content accessible via weblinks on the County's website;
- D) integrate field data into the Public Alert Notification System (PANS), enhancing public communication in emergencies/disasters;
- E) and ultimately share the final data with the State.

Improved data from the proposed project will be shared with the appropriate MSDI theme stewards to improve the County's portion of the statewide MSDI road centerlines and structure points datasets, benefitting any and all users.

SECTION 4 – PROJECT MANAGEMENT AND ORGANIZATIONAL CAPABILITY

The proposed project will be managed by the Chouteau County DES Coordinator, Debbie Gessaman. Debbie is a native of the County and a proud mother, partnering with her husband to operate their family farm. She started working in 2006 as a Deputy DES Coordinator and Assistant EMS Coordinator. Debbie has helped the County work through Presidential Disasters declarations 1992 and 1996. During these disasters, she helped write up the Project Worksheets (PW's) for each of the roads and bridges that were damaged from flooding, including gathering all information about the work hours, equipment and supplies (e.g. taking all the timecards of the road crews, going through all the records of supplies they used, equipment that was used and how many hours for each piece of equipment, then reporting all this on the PW's). Debbie worked with the County Commissioners to close these projects and making sure they were done according to Federal Emergency Management Association (FEMA) standards. These disasters included working alongside FEMA and Emergency Relief for Federally Owned Roads (ERFO) organizations. She continues to work with State, Federal and local officials to create a disaster resilient community.

Debbie started out as a first responder and trained and certified as an Emergency Medical Technician – Basic (EMT-B) and has recently certified as an Advanced EMT (AEMT). She is the EMS Coordinator for Chouteau County and an AEMT for Memorial Ambulance Service of Fort Benton. Debbie has experience with grant management and administration for large and small projects and supervisory experience at many different levels. Each year Debbie applies for an Emergency Management Program Grant from the State of Montana. This grant is used to fund various exercises, wages for the County's mapping consultant and Deputy DES Coordinator, Developing various EOP (Emergency Operating Plans) for the county and various meetings. As the County EMS Coordinator, she has also successfully applied for and executed grants for a portable suction unit and a new 2001 ambulance (through the State DOT). Debbie is the County 9-1-1 Coordinator and a member of the County 9-1-1 Advisory Board, as well as their Secretary/Treasurer. Regarding overall contractual and grant administration, Debbie will be supported by the 9-1-1 Advisory Board and the County Commissioners.

Kellie Butler, the County's Deputy DES and Mapping/Addressing Coordinator since 2015, is also a native of Chouteau County and takes a personal pride and interests in keeping the GIS data current and correct. As the daughter of the previous (and original) GIS mapping coordinator (who was also a former emergency dispatcher), Kellie grew up with Public Safety and through her mother, has a wealth of knowledge about the County and the development of its map data. She is responsible for working with (on the phone and in person) County landowners and residents on the assignment and input of all new structure addresses, including road naming. Kellie maintains the current GIS, including the structure points/address database and the E-911 system (e.g. the Master Street Address Guide or MSAG, hosted by Intrado). Kellie reviews telephone service order activity reports received from the local telephone companies (e.g. service orders for adds, deletes and changes) and works with the County Clerk & Recorder and Dept. of Revenue office to monitor grantor/grantee changes. She has worked extensively with the County's E-911 Consultant to improve the current GIS mapping data for the County and spearheaded the effort to pursue and develop this project. Kellie also has 9 years of previous experience as an Office Manager and Bookkeeper which supplied her with an extreme attention to detail and exceptional

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customer service skills. Kellie attended the College of Great Falls – MSU and graduated with an Associates Degrees in Graphic and Web Design in 2016. She also graduated with a Bachelor's of Science in Organizational Communication from MSU – Billings in May 2017.

It is proposed that this project be contracted to Mapping and Planning Specialists, Inc. (MaPS, Inc.) and managed by the County DES Office. MaPS, Inc. has been working for the County as their E-911 Consultant since April 2000 (and Matt Pearce, as part of Baker GeoResearch, for several years prior to that). MaPS, Inc. successfully implemented the County's E-911 System over a decade ago and has completed multiple contracts with other County and City agencies in Montana and the region and has a reputation for providing quality GPS/GIS services. MaPS, Inc.'s personnel have extensive experience in GPS field data collection, GIS development and E-911 implementation and have worked on over fifty projects in many states across the nation. MaPS, Inc. has successfully completed previous projects of similar scope and have demonstrated a thorough understanding of the required GPS/GIS services. MaPS, Inc has implemented ArcGIS Online solutions for several utility projects in the State. The County believes that MaPS, Inc. has provided a reliable and fair project cost that is a good use of MLIA grant funding.

MaPS, Inc. is managed by Matthew Pearce, it's President and company Founder. Matt is a graduate of the University of Minnesota with a B.S. in Geography with GIS/Cartography emphasis. He has been working in the geographic field for 26 years and is a certified Emergency Numbering Professional (ENP) and a member of the National Emergency Numbering Association (NENA). MaPS, Inc. is currently providing E-911 consulting and GPS/GIS mapping and addressing services for a significant number of MT counties, including Toole, Pondera, Chouteau, Valley, Granite, Mineral and Sanders. MaPS, Inc. specializes in Public Safety Consulting, GPS field data collection and GIS processing, including on-site project coordination and training, and has a hard-earned reputation of providing clients with high quality data and excellent customer service.

SECTION 5 – SCOPE OF WORK

Chouteau County proposes the following Goals, Objectives and Tasks for the successful implementation and completion of this MLIA grant application.

Goal 1: Maintain the County's current E-911 data against the NENA NG9-1-1 model.

Objective 1.1: Process ongoing 2019 E-911 maintenance mapping data and Year 3's field audit data against the NG9-1-1 framework; July 1, 2019 through June 30, 2020.

Task 1.1: As new roads and structures are collected and processed or verified/audited, the DES staff will continue to complete the attribution of NG91-1 fields added to the existing E-911 dataset as part of Year 3's efforts on this project/goal. For instance, on the road arcs, NG9-1-1 data fields will need to be attributed, such as ESN Left/Right, County Left//Right, State Left/Right, MSAG Community Name Left/Right, Postal Code Left/Right, Parity Left/Right, etc. Consultant to provide support to DES staff as needed.

Objective 1.2: Continue to ensure the integrity of the dispatch mapping software functionality; July 1, 2019 through June 30, 2020.

Task 1.2: After the 2019 field audit tasks have been completed and the field data is processed, updated data will be conveyed to the County's mapped ALI vendor. Map document(s) will also be revised/updated and submitted for testing to ensure that the data maintains compatibility with the dispatch mapping software (e.g. making sure the dispatch map still "pops" to the correct location during landline 9-1-1 calls). Tweaks/testing of the data and/or the map documents will be ongoing through June 30, 2020.

Goal 2: Maintain and expand the "Open Data" aspect of the County's GIS.

In Year 1, the DES ArcGIS Desktop license and its corresponding ArcGIS Online license were used to set-up an ArcGIS Online account to allow for data collection by DES staff. In addition, the data residing on ArcGIS Online was made public for everyone's use. The link is <http://www.arcgis.com/home/item.html?id=5dfce772d0bd446e8fdc8e8df3a14c93>. It can also be accessed using ESRI's Explorer app for iOS and Android devices by searching for "Chouteau County, MT PUBLIC MAP" in those apps. The County's DES webpage (www.chouteaucountydes.com) has instructions and links for interested users. A press release was also drafted and published in the local newspaper regarding this information.

Objective 2.1: Regularly update digital maps/data accessible via web links from the County's website and configure each feature layer; February to March, 2020.

Task 2.1: County will continue to publish updated maps and establish and test linkages from the County's website and will update the data with the 2019 field audit collection effort by February 1, 2020. A supplemental press release will also be drafted for publication in the local newspaper regarding public access to the County's map data.

Task 2.2: County staff users opting to become named AGOL (Level 1 or 2) users may have full access to the data (e.g. via account credentials, with a user name/password),

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which will complement the general public's "stripped-down version" access. Presently, some County GIS users (Law, Fire and EMS) utilize ArcReader (free) with the DES dataset using tablet computers supported by GPS for navigation. Some users rely on the Explorer App on their phones with the County's Public Map data (though they must have cell service or WIFI for location information). The Roads Dept. was added as a Level 2 user in 2018 and is using Collector with GPS to assist installation of intersection signs and collection of road points (e.g. culverts, cattle guards, sign damage, etc.). The ultimate goal is to expand other County agencies access using ArcGIS Online, but the ESRI licensing costs are curbing participation. The DES office will continue to educate potential County users on benefits of greater access to the data through in-house presentations and offering licensing/training; April 2020.

Goal 3: GPS/GIS Field Audit

Objective 3.1: Continue the GPS/GIS field audit between August and October 2019.

Task 3.1: The County will continue its multi-year GPS/GIS field audit, which broke the County's approximately 3,500 structure points into manageable geographic pieces that could be tackled over four (4) years. Because of the density of structures and most benefit to the greatest residents (and greater odds of calling 9-1-1), collection started in the community of Fort Benton the first year and over 1,000 structures were verified/audited. For the second year, the communities of Big Sandy, Geraldine, Highwood, Carter, Loma and Square Butte were also canvassed, resulting in an additional 900 structures. The final 1,500 rural structures (those not in these communities) will be verified in the final two years of the multi-year grant. Given the extensive size of the County and the large number of road miles to be traversed, the widely spread rural structures will be divided into two areas and tackled over the final two years. Field auditing services will be accomplished with a per structure rate (covers all labor, fuel, vehicle, per diem, etc.). The DES staff plan to also be afield supporting the entire field audit.

The aforementioned remaining rural areas will be canvassed systematically, road by road, structure by structure. The tablet computer will display all of the current GIS data (e.g. road centerlines, road points, structure points, access points, access-point-to-structure-point connectors, etc.) as well as background imagery (e.g. 2017 NAIP Color Orthos). While afield, the attribution of each structure point will be accessed, its current data reviewed (e.g. owner, resident, structure type and structure description, etc.) and updates will be made on-the-fly, based on available and observed conditions.

Goal 4: MSDI Theme Steward Data Submittal

Objective 4.1: Submit an interim set of structure points and road centerlines (including Year 1, 2 and 3's field audit/verification efforts) with the appropriate MSDI theme stewards to promote consistency and accuracy.

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Task 4.1: Before June 30, 2020, submit a digital dataset to the State including valid metadata for the geodatabase and feature classes developed during the successful completion of this phase of the multi-year project.

Project Schedule

The project is contingent upon the award of Montana Land Information Act funding. The schedule for this project may be implemented as follows:

Chouteau County E-911 & GPS/GIS Project; FY 2018-2019		JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE
Grant Award Notification													
Scope of Work and Contractor Agreements													
Overall Grant Administration/Coordination	DES1												
Overall Grant Administration/Coordination	DES2												
General supplies/copies													
1. E-911 data maintenance against NG9-1-1 model													
1.1 Ongoing maintenance mapping & field audit NG9-1-1 procs'g	DES2												
1.1 Ongoing maint. mapping & field audit NG9-1-1 procs'g support	CNSLT												
1.2 Map doc update, mapped ALI vendor coordination, testing	CNSLT												
2. Maintain and expand the GIS user base													
2.1 On-line map development, publishing, testing	CNSLT												
2.2 In-house GIS education presentation(s)	DES1												
2.2 In-house GIS education presentation(s)	DES2												
2.2 In-house GIS education presentation(s)	CNSLT												
3. GPS/GIS field audit (Year 3 = 750 rural structures)													
3.1 Field verify 750 rural structures	CNSLT												
3.1 Assist entire field audit	DES2												
4. MSDI Theme Steward Data Submittal													
4.1 Submit digital data, including metadata	CNSLT												

SECTION 6 – BUDGET JUSTIFICATION AND BUDGET TABLE

The proposed project's costs for contracted services, equipment, in-kind labor, etc., include the following:

- 1) Maintain the County's current E-911 data against the NENA NG9-1-1 model; 46 hours.
 - 1.1) DES processing of ongoing maintenance mapping data (10 hours) and field audit data (16 hours) against NG9-1-1 GDB framework. Consultant support; 4 hours
 - 1.2) Consultant/Mapped ALI Vendor Coordination, Testing/Tweaking; 16 hours.
- 2) Maintain and Expand the GIS user base; 32 hours.
 - 2.1) Consultant AGOL map development, map publishing, testing, website linking; 16 hours.
 - 2.2) Joint in-house AGOL/GIS presentations/education sessions; 16 hours.
- 3) GPS/GIS Field Audit; 320 hours.
 - 3.1) Consultants to field verify 750 structures x \$15/ea.; \$11,250; *Estmtd. @ 126 hours. County DES to assist field verification & support/assist consultant; *126 hours.
- 4) MSDI Theme Steward Data Submittal; 15 hours.
 - 5.1) Submit a digital dataset to the State including valid metadata; 15 hours.

COUNTY (IN-KIND) CONTRIBUTIONS

The County DES Office expects to provide a considerable in-kind contribution of labor to the project effort, including grant administration from Debbie Gessaman and field data collection support and resident/County agency coordination by Kellie Butler.

Debbie Gessaman (DES1) anticipates providing at least 12 hours over the course of the project for grant administration, including Consultant coordination and State progress reporting, and 4 hours for educational support on/of in-house GIS presentations/training for additional/other potential County GIS users. Debbie will also assist with an additional estimated 8 hours of resident and County agency coordination by taking phone inquiries and covering for Kellie when she is afield. Debbie's hourly rate (salary and benefits) is \$24/hr., so her estimated 24 hours of labor contribution to the overall project is \$576. Supplies/copies are also anticipated at \$50 during the project period.

Kellie Butler (DES2) will support Debbie with grant administration (8 hours) and provide the bulk of labor for the NG911 datafield review and attribution of fieldwork, an estimated 32 hrs. of labor, as well as supporting the field data collection effort, supplying an estimated 126 hrs. of direct labor. Kellie will also support the educational support on/of in-house GIS presentations/training for additional/other potential County GIS users; 4 hours. Kellie's estimated labor contribution to the project will be at least 170 hrs. At a labor rate of \$20/hr., Kellie's labor contribution is \$3,400.

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The detailed tasks are listed below with the hours/costs and the assigned project partner for each task:

CHOUTEAU CO., MT - MLIA 2019-2020						
TASK	ASGN'D	FEE HRS	CO HRS	RATE	COST	
Overall Grant Administration/Coordination	DES1		20	24	\$480	
Overall Grant Administration/Coordination	DES2		12	20	240	
General supplies/copies					50	
			32		770	
1. E-911 data maintenance against NG9-1-1 model						
1.1 Ongoing maintenance mapping & field audit NG9-1-1 procs'g	DES2		32	20	640	
1.1 Ongoing maint. mapping & field audit NG9-1-1 procs'g support	CNSLT	4		89	356	
1.2 Map doc update, vendor coordination, testing	CNSLT	16		89	1424	
		20	32		2420	Subtl.
2. Maintain and expand the GIS user base						
2.1 On-line map development, publishing, testing	CNSLT	16		89	1424	
2.2 In-house GIS education presentations	DES1		4	24	96	
2.2 In-house GIS education presentations	DES2		4	20	80	
2.2 In-house GIS education presentations	CNSLT	8		89	712	
		24	8		2312	Subtl.
3. GPS/GIS field audit (Year 2 = 1000 structures)						
3.1 Field verify 750 structures x \$15/ea. (fee covers all labor/expenses); *Hrs. are estimated only for detail.	CNSLT	*126			11250	
3.1 Assist field verify'g 750 structures	DES2		126	20	2520	
		126	126		13770	Subtl.
5. MSDI Theme Steward Data Submittal						
5.1 Submit digital data, including metadata	CNSLT	15		89	1335	Subtl.
			24	<DES1 Hrs.	\$20607	Total
			174	<DES2 Hrs.		
	CNSLT Hrs.>	185	198	<Total DES Hrs.		

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					
a. 1. Debbie Gessaman			\$576	\$576	\$576
a. 1. Kellie Butler			3,480	3,480	3,480
b. Travel					
c. Equipment					
d. Supplies & Materials			50	50	50
e. Contractual	16,501				16,501
f. Other					
Total	\$16,501		\$4,106	\$4,106	\$20,607

SECTION 7 – RENEWABLE GRANT ACCOUNTABILITY

1. MLIA_2019_01's progress report.

Chouteau County applied for and received an MLIA grant for the 2nd year of this application's multi-year approach. Please review the following details on the Goals, Objectives and Tasks of last year's grant application as a progress report.

Goal 1: Maintain the E-911 data against the NENA NG9-1-1 model.

Objective 1.1 – Process 2018 E-911 maintenance mapping data and Year 2's field audit data against the NG9-1-1 framework; *DONE*

Task 1.1 – the NG9-1-1 attribution of all data from ongoing maintenance mapping (e.g. new road centerlines and structures) and the field audit was completed; *DONE*

Objective 1.2 – Ensure the integrity of the dispatch mapping software functionality; this objective is scheduled to be completed in February 2019.

Task 1.2. – Updated data and map document(s) will be submitted to the County's mapped ALI vendor for testing/tweaking; (*In Progress*).

Goal 2: Maintain and expand GIS Use/Users; (*Ongoing*)

Objective 2.1 – Update digital online maps/data; *DONE*

Task 2.1 – Update the "Chouteau County, MT PUBLIC MAP" (published to ArcGIS Online) and maintain the website linkages; *DONE*

Task 2.2 – Maintain and expand the County GIS users; the County Rds Dept. is using the GIS data to support their ongoing maintenance work regarding signs and infrastructure; other potential users are informed of their options as they inquire; (*In Progress*)

Goal 3: GPS/GIS Field Audit; *DONE*

Objective 3.1 – Year 2 of the GPS/GIS field audit; complete the remaining communities in the County; *DONE*

Task 3.1 – Field audit/verify 900 additional structures; the communities of Big Sandy, Geraldine, Highwood, Carter, Loma and Square Butte were field verified; *DONE*

Goal 4: State Coordination; (*scheduled for June 2019*)

2. MLIA_2018_01's narratives.

Goal 1: Transition E-911 data to NENA NG9-1-1 model.

County's E-911 data (structure points, road centerlines and ESZ polygons) were migrated to NG9-1-1 and attributed.

Goal 2: AGOL.

An AGOL account was configured for the field audit and ongoing E-911 maintenance mapping. The AGOL data was made public via this link:

<http://www.arcgis.com/home/item.html?id=5dfee772d0bd4446e8fdc8e8df3a14c93> or

accessed using ESRI's Explorer app for iOS/Android devices under "Chouteau County, MT PUBLIC MAP." A related public announcement was posted to the DES webpage

(www.chouteaucountydes.com) and a newspaper press release published locally. County

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agencies were offered AGOL licensing/options and data access. To date, despite high interest, only the Roads Dept. became a named AGOL user. Some County GIS users utilize ArcReader or Explorer. The goal is to expand AGOL users - licensing costs are curbing participation.

Goal 3: Maintenance Mapping Program.

DES assigns new construction addresses and maintains the E-911 system and GIS by processing telephone service orders and changes received from various sources. DES purchased a sub-meter GPS and tablet computer and were trained to map new construction with Collector. DES staff support our Consultant with ongoing maintenance mapping/field auditing. DES staff maintain the GIS via ArcGIS Pro.

Goal 4: GPS/GIS Field Audit.

Nearly 1,000 structures were audited by DES staff and Consultant (6 days/160 man hours afield). The field data collection system proved efficient/accurate. Over 700+ informative postcards requesting updated contact data were delivered - more than half were returned/processed by DES.

Goal 5: MSDI Theme Steward Submittal

An interim dataset was submitted June 2018.

SECTION 8 – CHECKLIST

Initial or mark n/a	Completed Required Task
DH	Proposal Prepared by an outside party – I have read this document in its entirety. (if applicable)
DH	Section 1 – Applicant, Partner, and Proposal Information
DH	Primary Applicant Information
DH	Funding Partner (if applicable)
DH	Proposal Information
DH	List All Past Awarded MLIA Grants
DH	Section 2 – Relevance (300 max word limit)
DH	Section 3 – Public Benefit (if applicable)
DH	Section 4 – Project Management (if applicable)
DH	Section 5 – Scope of Work Narrative (4-page limit)
DH	Section 6 – Budget Justification Narrative and Table (3-page limit)
DH	Budget Justification Narrative
DH	Complete Budget Table
DH	Funding Partner Statement of Support (if applicable)
DH	Section 7 – Renewable Grant Accountability Narrative (if applicable)
DH	FY2019 Grantee Report (if applicable)
DH	Past MLIA Grant Project Narratives (FY2018 - FY2015) (if applicable)
DH	Section 8 – Checklist
DH	Section 9 – A Signed Authorizing Statement

SECTION 9 – 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.

Daren J. Schuster

Name (print or type)

Commission Chairman

Title (print or type)

Daren J. Schuster

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

2/5/19

Date