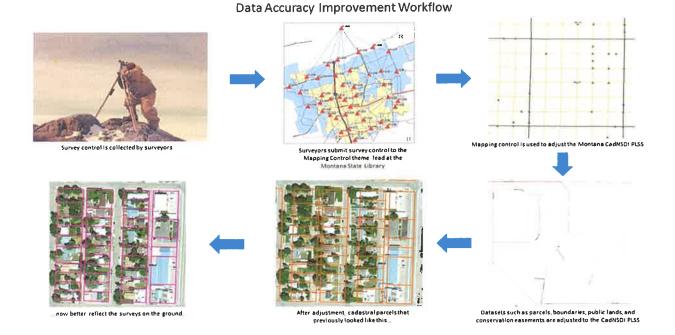
MCCONE COUNTY PLSS ENHANCEMENT

STATE FISCAL YEAR 2020

JULY 1, 2019 – JUNE 30, 2020



Data Accuracy Improvement Workflow (nd). Geographic Clearing House, Cadastral, CadNSDI, Montana State Library Website. Retrieved from http://geoinfo.msl.mt.gov/msdi/cadastral/CadNSDI

January 15, 2019

Application for MLIA Grant Funding

	Primary Applicant Contact Information (Please fill this section out in its entirety)						
Name of Agency/Entity:	McCone County						
Department:	Geographic Information Systems (GIS)						
Division/Section:							
Street:	1004 C Avenue						
City:	Circle						
County:	McCone						
State:	Montana						
Zip Code:	59215						
	Project Manager Contact Information:						
Name:	Nancy Stempel						
Title:	Geographic Information Systems (GIS) Coordinator						
Email Address:	mcongis@midrivers.com						
Phone Number:	406 485-2347						
Fax Number:	406 485 2199						
Seco	ndary Project Manager Contact Information:						
Name:	Sara Hodge						
Title:	Disaster Emergency Service (DES)Coordinator						
Email Address	mcondes@midrivers.com						
Phone Number:	406 485 2347						
N	ILIA Grant Funding Request & Match:						
Total Requested MLIA Fund	is: 24,035						
Total Matched Funds:	7,540						

Fiscal Year 2020 Montana Land Information Act Grant Application Package Proposal Information

Date Submitted:	February 14, 2019
Identified Grant Priority:	III. Improve Land Records.
Annual or Multi- Year Proposal:	In phase I, survey points will be collected in Brockway and the Town of Circle areas. In phase II, points will be collected between Circle and Vida areas. The final phases will collect points with greater than 20 feet variance as well as administrative boundaries.
Proposal Prepared By:	Nancy Stempel
Short Title of Proposal:	McCone County & Town of Circle PLSS Enhancement FY2020

Executive Summary (required – 250 maximum word count):

This Request is supporting **Improve Land Records** and is asking for funding for Enhancing the Mapping Control of McCone County by inventorying Certified survey records and collecting Certified Corner Recordation Survey. These Survey controls will improve the (PLSS) Public Land Survey System data for the Cadastral National Spatial Data Infrastructure (CADNSDI) to improve the parcel variance to less than twenty feet. All phases will have two parts and McCone County will collaborate with the Montana State Library (MSL), a Montana Professional Land Surveyor, and the Town of Circle where needed.

The First Phase Part 1 will include researching/inventorying Survey Records of McCone County and collecting survey control points starting with the Town of Circle and Community of Brockway. The survey points will be entered into the Multi-State Control Point Database (MCPD) for the MSL to calculate Mapping Control.

In First Phase Part 2. McCone County will collaborate with the County Land Planner and MSL to explore options of capturing more cost effective ways of collecting survey control during normal county procedures. We will analyze current procedures, determine feasibility and develop a plan to capture control points.

The first phase will capture control points and help parcel data to line up with the aerial photo. The second phase will investigate and plan more cost effective methods to capture the control points during normal business activities.

These activities will be continued in Phases II-V.

List All Past Awarded MLIA Grants:

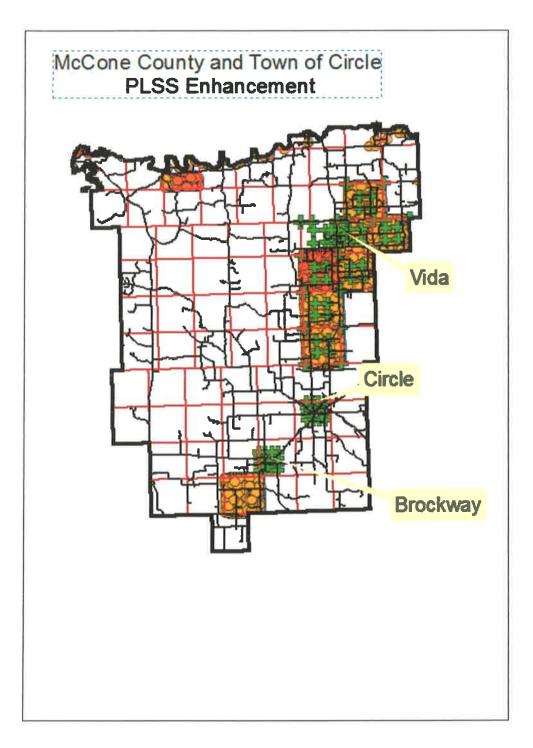
FY2017 FY2015

(require	Funding Partners: ed for each partner, copy box as needed)					
Name of Contact:	Maridel Kasner					
Name of Agency:	McCone County Clerk Recorder					
Street:	PO Box 199					
City:	Circle					
County:	McCone					
State:	MT					
Zip Code:	59215					
Contact Email Address:	clerk@midrivers.com	_				
Contact Phone Number:	406 485-3505					
(require	Funding Partners: ed for each partner, copy box as needed)					
Name of Contact:	Ty R Taylor					
Name of Agency:	Board of Commission					
Street:	PO Box 199					
City:	Circle					
County:	McCone					
State:	MT					
Zip Code:	59215					
Contact Email Address:	mcconeco@midrivers.com					
Contact Phone Number:	406.485.3500					

(require	Funding Partners: ed for each partner, copy box as needed)	
Name of Contact:	John T Hrubes	
Name of Agency:	McCone County Attorney	
Street:	PO Box 199	
City:	Circle	
County:	McCone	
State:	MT	
Zip Code:	59215	
Contact Email Address:	mcconecountyattorney@gmail.com	
Contact Phone Number:	406.485.3530	

(require	Funding Partners: ed for each partner, copy box as needed)	
Name of Contact:	Kenneth Ehli	
Name of Agency:	Town of Circle Mayor	
Street:		
City:	Circle	_
County:	McCone	
State:	MT	
Zip Code:	59215	
Contact Email Address:	Townofcircle@midrivers.com	
Contact Phone Number:	406.485.2524	

SECTION 5 – SCOPE OF WORK



January 15, 2019

Collect Survey Control Points to enhance the PLSS so that the Cadastral Data has less than 20 feet variance and exploring more cost effective options of collecting survey control. In Phase I, we will collect Survey Points in the areas of Brockway and Town of Circle. In Phase II, McCone County will explore options of capturing more cost effective ways of collecting survey control during normal county business procedures. All tasks in Part I Objectives 1-4 are dependent on the completion of the tasks in the prior objective while Part 2 Objective 5 will occur at the same time. All objectives will begin in 2019.

Phase I. July 1.

1. McCone County will clarify the Scope of Work with MSL and a Montana Professional Land Surveyor. GIS will work with the McCone Clerk and Recorder and DES to research, inventory, digitize and map all Section Corner Recordation documents. GIS will share digital documents with MSL. GIS will seek approval of Survey Point Collection with MSL.

August 25.

2. McCone County will contract with a Certified Land Surveyor and seek landowner permission. GIS/DES will collaborate with the Clerk and Recorder, County Attorney, and Board of Commission to create/review contract for Professional Land Surveyor in accordance with county procurement procedures. Surveyor will be selected based on knowledge of survey point collection with Montana State Library and cost. Our objective is to collect 30 points, but as long as time, money are available we will continue to collect more points with MSL approval.

August 28.

3. McCone County GIS finalizes the plan with the surveyor on the planned order of point collection and GPS points are collected in the spreadsheet mandated by the MCPD and are in the Coordinate System below.

- a. Coordinate System: NAD 1983 (2011) HARN State Plane Montana (METERS).
- b. Vertical Coordinate System: NAVD 1988.

GIS/DES will prepare maps for field collection sites if needed and seek landowners for permission. Collect at the minimum of 30 points within the budget.

December 29.

4. GIS/DES will review Control points from the Professional Land Surveyor and submit to MSL. After filing the Certified Corner Recordation Documents with the Clerk and Recorder, GIS/DES/Clerk and Recorder will digitize Certified Corner Recordation Documents and share with MSL. McCone County will also update the County Survey Control Map for the next phase analysis.

Part 2 September 23

5. McCone GIS will collaborate with MSL and County Land Planner to evaluate normal county procedures where additional survey control could be captured and implemented into MCPD. We will evaluate all areas of Survey Collection by exploring county recording and legal procedures. Examples are but not limited to public surveys, retracement surveys, change of surveys, and subdivision review. We will brainstorm how to capture survey control legally, efficiently and cost effectively. If determined feasible for the county, public and MSL, create a prioritized plan on what can be implemented and courses of action to take to accomplish objectives of the plan.

<u>July 1</u>

6. GIS/DES will create quarterly points. McCone County GIS/DES, Board of Commission, Town of Circle and Clerk and Recorder will collaborate quarterly to review progress and approve quarterly reports. GIS/DES will submit to MSL.

Fiscal Year 2020 Montana Land Information Act Grant Application Package

Accone County GIS		1	1	100	1.	-	-	E	1-	Th.	1-	lane.	1	1	
Project starts July 1, 2019.	1		1	July	August	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	Jun
TASK	START	END	DAT S	ннн	ннннн	H H H H	ннннн	TH N H	24 14 14 1	-	ннни		H H H H P	-	H H F
Clarify Scope of work, RESEARCH.															
a. Create map to inventory of Documents	7/1/19	7/31/19	31				Tasks that a	re schedu	led after H	ligher Task is	linished an	e depende	nt on the		
b. Digitize all Section Corner Recordation documents	7/1/19	7/31/19	31	1			completion	of that Tasi	k.						
c.GIS/DES will send digital copy to State Library	7/31/19	8/3/19	4												
d Collaborate for collection process	873/19	8/8/19	6												
e. Seek approval from MSL	8/8/19	8/13/19	6												
2. Select and Contract Certified Land.	1	1				Innia	THEFT	SIGN					GURNI		T
a. All will create/review contract for Surveyor Collection.	8/13/19	8/20/19	8	NAME AND ADDRESS			A LOCAL DIST DON AND ADD						a des seu ses tos s		Carlos Alles Alles
b. Observe County Procurement Process to hire surveyor.	6/13/19	8/21/19	9												
c. ALL will select surveyor by MSL Experience and Cost following.	8/21/19	8/28/19	8												
B. Prepare for Field Collection and Collect.	1			NAME	No ISSUE	INCOME				STATES OF			TERDIN		In the second
a. GIS Finalize plan with Surveyor	6/28/19	9/2/19	6	time and party of			a post size post sola in	a per ser set to		a participation of the last of	and then your sold for	and the part of the loss		A sub-ton part the	-
b.GIS will Prepare Maps for Field Collection	9/12/19	9/17/19	6												
c.GIS/DES will Contact Landowners for permission	9/17/19	9/25/19	9												
d. Surveyor Collect finalized points	9/17/19	11/15/19	60				-								
e.Review Point Collected in MCPD Spread Sheet	11/19/19	12/29/19	41			Lan L	1.						1		
I. Process Field Control Points.		-	2	The second	BREED	HERI	EFER	INNER			IBBEI	TENDY		IN THE R	
a. Clerk and Recorder Record Corner Recordation Documents	12/29/19	1/8/20	11										Construction of the same of		
b. Clerk and Recorder Digitize Documents	12/29/19	1/2/20	5												
c. GIS/DES Send Digitzed Documents to MSL	1/23/20	1/27/20	5												
d GISIDES will send Survey Control to the MSL	1/23/20	1/27/20	5							_					
5. Collaborate to explore alternative ways capturing survey control	1	-			IN REAL	NEUC		EBRO					I BERGI	IREED	(SI)
a. Explore Procedures to capture regular survey										and frank (such stands are sta				A serie series posses there	
i.Find Areas to explore	9/26/19	11/24/19	60												
ii. Evaluate areas for Priority and Feasibility	11/24/19	1/23/20	61												
b.Create Plan to capture quarter section corners and section corners.	1														
i. Consult MSL and Planner for Feasibility, County Attorney	1/23/20	2/17/20													
ii.Prioritize Plan	2/22/20	4/1/20													
ii. Plan Approval	4/15/20	5/15/20										1101	E.	1	
5. Create Quarterly Reports and Update Everyone		-	- 1	BRU		DER			(HIN)		調整調査				IN INT
a. Create Reports					and the second second party of the			A STATE AND DESCRIPTION OF			the loss play and it				
b Review Reports with All and submit to MSL	1														

SECTION 6 – BUDGET JUSTIFICATION AND BUDGET TABLE

- 1. McCone County will clarify Scope of Work with the MSL. GIS will take approximately 24 hours to digitize and label documents, another 10 hours to inventory into a map. 1 hour each will be used to collaborate with the MSL, Town of Circle Mayor, Board of Commission, Clerk and Recorder and County Planner to verify collection plan.
- Select Certified Land Surveyor by evaluating knowledge of MSL requirements and cost per survey point. GIS will Create Land Maps for Field Survey Point Collection (4 hours). GIS/DES will collaborate with Clerk and Recorder, County Attorney, and Board of Commission to create/review contract for Surveyor Collection (1 hour ea.). Clerk and Recorder will advertise for Surveyor if needed (1 hour). Clerk and Recorder, GIS/DES, and Board of Commission will Contract with selected surveyor (1 hour ea.).
- 3. McCone County will prepare for Field Collection and Collect points. GIS will finalize plan with Surveyor to ensure proper collection. GIS will prepare maps for field collection (4 hours). GIS/DES will contact landowners for permission (10 Hours). Surveyor will collect finalized points in MCDP format. We are anticipating collecting at the minimum of 30 points around Brockway and Circle. We received several preliminary estimates which ranged from \$300 to \$800 a point from several different surveyors. We are assuming we can get an average of \$650 per point. GIS/DES will review point collected in MCDP spreadsheet (3 hours).
- Process Field Control Points. Clerk and Recorder will Record Certified Corner Recordation Documents for Survey Control (4 hours). Clerk and Recorder will digitize newly filed Survey Corner Recordation (2 hours). GIS/DES will label and send digitized certified documents to MSL (2 hours). GIS will update County Survey Control Map (5 hours).
- 5. McCone GIS will collaborate with MSL, County Land Planner, County Attorney, and Clerk and Recorder to evaluate normal county procedures where additional survey control could be captured and implemented into MCPD (5 hours each). GIS/DES will document feasibility of each plan and the plan to implement (5 hours).
- 6. McCone County GIS/DES, Board of Commission, Town of Circle, and Clerk and Recorder will collaborate quarterly to review progress and approve quarterly reports (1hour ea.) per quarter). GIS/DES will need additional 2 hours a quarter to prepare reports and plan.

McCone County is asking for additional funds to compensate part-time GIS/DES Coordinators for at the rate of \$21 per hour and the County Planner which is currently contracted at \$140 per hour.

The In-Kind funds contributed by McCone County Board of Commission members, the Clerk are Recorder are at the rate \$ 50 per hour and the County Attorney at \$100 per hour.

The majority of the In-Kind funds for GIS/DES will be used in the first Objective when the quarter section corners are researched. Only the documents since 2008 have been digitized. The earlier documents are fragile and larger size so care and time will be needed.

Fiscal Year 2020 Montana Land Information Act Grant Application Package

McCone County Clerk and Recorder, Land Planner, Board of Commission and GIS/DES will evaluate county procedures to capture additional survey control activities to capture corner section corners

Check for survey point collection types with survey information on it. Check regulations for collecting/ filing of these documents. Review the procedures to capture the survey control information. Evaluate feasibility. Create Plan.

This whole process shall cost \$3000.

After our In-Kind funds have been depleted, we will use administration costs as needed. We plan to collect as many points as possible, so we may have to contact many landowners. We cannot estimate the postage cost and map printing costs.

We are working with several very professional surveyors. We are excited and confident that we will collect as many points as possible for \$20,000 with a minimum goal of 30. We received a wide range of estimates per point so we know that some points will be more difficult to collect if original monuments were destroyed.

MLIA GRANT BUDGET SUMMARY TABLE

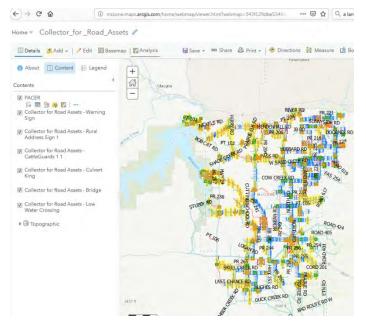
	MLIA GRANT BUDGET SUMMARY							
	MLIA Summary	Арр	licant Sumr	nary	Fu	nding Partner	Summary*	Total:
Category	MLIA Share	Applicant Cash	Applicant In-kind	Applicant Subtotal	Hours	Rate+Ben	Partner Subtotal	MLIA Share, Applicant Subtotal, Partner Subtotal
a. Personnel								
Mayor Town of Circle			250	250	5	50		250
County Attorney			900	900	9	100		900
Clerk and Recorder			900	900	18	50		900
Board of Commission			700	700	14	50		700
GIS/DES	1785		840	840	125	21		2625
b. Travel								
c. Equipment Computer ArcGIS			3800	3800				3800
d. Supplies & Materials			150	150				150
e. Contractual see below								
Part I Certified Surveyor	20,000							20,000
Part 2 County Planner	1250							1250
f. Other	1000							1000
Total	24,035			7540				31,575

SECTION 7 – RENEWABLE GRANT ACCOUNTABILITY

Although FY2017 Grant for Road Assets Inventory Phase I (FY2015) and II (FY2017) was very successful, we did not meet the time requirements. We were able to complete the tasks in II phases instead of 3 and they were under budget. McCone County Road Crew's work came to a crawl when they had to assign a water truck to all mowing operations they performed. The Lodge Pole Complex Fire occurred in our neighboring county of Garfield. This fire burned over 270,000 acres which was the largest fire in 2017 in the nation. Our Fire Fighters were covering our county as well as parts of Garfield County. The road crew supervisor managed every operation with fire risk in mind. With this added time commitment, the road crew supervisor will was unable to assist in the project. The project manager was also very ill.

The FY2015 Grant Road Assets Inventory Phase I was completed later than the grant due time. We had to hire temporary workers that were over age of 18. We knew this would be a constraint going into the project because most college students have obtained a job by July 1 that will last all summer. We did not anticipate competing with our neighboring counties' oil boom and the impacts it have on our workforce pool.

We have mitigated some of these challenges by having DES as a Secondary Manager and the Clerk and Recorder aiding in the administrative processes where appropriate.



This map shows the ArcGIS Online Collector Web Map of both Phases of the Road Asset Inventory project.

SECTION 8 – CHECKLIST

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						
	Proposal Prepared by an outside party – I have read this document in its entirety. (if applicable)						
	Section 1 – Applicant, Partner, and Proposal Information						
NS	Primary Applicant Information						
15/NA	Funding Partner (if applicable)						
NS	Proposal Information						
NS	List All Past Awarded MLIA Grants						
NSAR	Section 2 – Relevance (300 max word limit)						
NSINA	Section 3 – Public Benefit (if applicable)						
VS/NA	Section 4 – Project Management (if applicable)						
NS	Section 5 – Scope of Work Narrative (4-page limit)						
NS	Section 6 – Budget Justification Narrative and Table (3-page limit)						
NGV	Budget Justification Narrative						
NSU	Complete Budget Table						
NS	Section 7 – Funding Partner Statements of Support (if applicable)						
NS	Section 8 – Renewable Grant Accountability Narrative (if applicable)						
NA	FY2019 Grantee Report (if applicable)						
N	Past MLIA Grant Project Narratives (FY2018 - FY2015) (if applicable)						
115	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.

TY R Taylor

Name

McCone County Board of Commission

Taylar

Title: Presiding Officer

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

14/19

Date

McCone County 1004 C Ave. • P.O. Box 199 Circle, Montana 59215 (406) 485-3500 • Fax (406) 485-2689

February 10, 2019

Montana Land Information Advisory Council And Erin Fashoway, State GIS Coordinator, Montana State Library 1515 E 6th Avenue Helena, MT 59620

RE: McCone County PLSS Enhancement Grant Request

To Council Members and Administration Staff:

I am writing in support of the McCone County GIS grant request to help improve the Montana Cadastral website data. Funding would be used to improve the owner parcel data layer to align better with the aerial photo. This would be done by collecting Survey Points in the most populated areas and the areas that the Montana State Library has determined to be in need of adjustment.

By approving the grant request McCone County is working with the Town of Circle would be able to hire a surveyor to collect section corner recordation markers and certify them, as well as collect the coordinate points (GPS). This will help the Montana State Library align the owner parcel data with the aerial imagery. Once completed McCone County's owner parcel and Town of Circle boundary will be more clearly defined.

This project will save the county money as well as the public. Improving the boundaries for will aid in the County for Next Gen 911 preparedness. Commissioner districts, school districts, and etc. will also need less adjustment after this occurs.

Please fund the McCone County GIS PLSS Enhancement grant request.

Sincerely,

McCone County Commissioners

Ty Taylor, Acting Presiding Officer



February 5, 2019

Montana Land Information Advisory Council and Erin Fashoway, State GIS Coordinator, Montana State Library 1515 E 6th Avenue Helena, MT 59620

RE: McCone County PLSS Enhancement Grant Request

To Council Members and Administration Staff:

I am writing in support of the McCone County GIS grant request to help improve the Montana Cadastral website data. Funding would be used to improve the owner parcel data layer to align better with the aerial photo. This would be done by collecting Survey Points in the most populated areas and the areas that the Montana State Library has determined to be in need of adjustment.

By approving the grant request, McCone County in cooperative with the Town of Circle would be able to hire a surveyor to collect section corner recordation markers and certify them, as well as collect the coordinate points (GPS). This will help the Montana State Library align the owner parcel data with the aerial imagery. Once completed McCone County's Owner parcel and Town of Circle Boundaries will be more clearly defined.

On a day to day business our job includes searching boundaries for the Town of Circle, 911, Commissioner Districts, school districts, land ownership, levy voting and much more. This will be able to increase our efficiency and effectiveness.

Please fund the McCone County GIS PLSS Enhancement grant request.

Cooperatively,

Mondel Z. Kassnee

Maridel L. Kassner McCone County Clerk and Recorder



Kenneth Ehli MAYOR

TOWN COUNCIL

CLINT HAYNIE GARRY JOHNSON C C ARNSTON CHAIRMAN COUNCIL COUNCIL

CASEY NAY COUNCIL

Kelly Doan, Clerk/Treasurer Town Attorney: Rich Batterman Joe Paine, Public Works Director Town Prosecutor: John Hrubes Shelby Hoy, Deputy Clerk

TOWN OF CIRCLE

February 14, 2019

Montana Land Information Advisory Council and Erin Fashoway, State GIS Coordinator, Montana State Library 1515 E 6th Avenue Helena, MT 59620

RE: McCone County PLSS Enhancement Grant Request

To Council Members and Administration Staff:

I am writing in support of the McCone County GIS grant request to help improve the Montana Cadastral website data. Funding would be used to improve the owner parcel data layer to align better with the aerial photos. This would be done by collecting Survey Points in the most populated areas and the areas that the Montana State Library has determined to be in need of adjustment.

With the approval of the grant request, McCone County will be working with the Town of Circle to hire a surveyor to collect section corner recordation markers and certify them, as well as collecting the coordinate points (GPS). This will help the Montana State Library align the owner parcel data with the aerial imagery. Once completed McCone County's owner parcel and Town of Circle boundary will be more clearly defined.

Our day to day business that includes boundaries for the Town of Circle, 911, commissioner districts, school districts, etc. will be corrected and we would increase our efficiency and effectiveness.

Please fund the McCone County GIS PLSS Enhancement grant request.

Sincerely

and the Ment

Kenneth Ehli Town of Circle Mayor