

# **Grant Application Montana Land Information Act Fiscal Year 2014**



Assigning Addresses to Oil Infrastructure in McCone  
County

February 15, 2013

**APPLICATION FOR GRANT FUNDING**

**STEP 1 – Applicant and Partner Information**

**Primary Applicant (Required):McCone County**

Name of principle individual: Nancy Stempel

Name of agency/entity: McCone GIS

Street: PO 199

City: Circle

County: McCone

State: MT

Zip Code: 59215

Contact email address:mcongis@midrivers.com or stempelnancy@gmail.com

Contact fax address:

Contact phone:406.485.2278 or 406.853.2277

**Organizational Unit (if applicable)**

Department: McCone GIS

Division:

**Other Project Partners – complete for each partner (copy box as needed):**

Name of contact:

Name of Agency:

Street:

City:

County:

State:

Zip Code

Contact email address

Contact phone:

**Date Submitted (Required):Feb 15, 2013**

**Date Received by State:**

**Descriptive Title of Applicant's Project (Required):**

**Assigning Addresses to the Oil Infrastructure in McCone County**

## **STEP 2 – Relevance and Public Benefit**

This project meets the purpose of the Montana Land Information Act's purpose by expanding our current addressing database and including Oil infrastructure moving into McCone County. We will need to collect Oil well locations, Worker Camp locations, other oil impacted locations, and routes to them. We will need to assign addresses to them.

The Deliverable of adding Oil Infrastructure into our current addressing system and distributing to all local 911 Agencies, surrounding counties, as well as the Montana Structures and Addresses Framework meets the category of B2 Local, Region and Tribal GIS Support. This project will benefit current citizens of McCone County and the future workers coming to our communities as well as First Responders and Law Enforcement that might need to respond to these new locations. We need to address each new structure, facility or location and routes to them and add them to our E911 mapping system. This will result in a quicker response time for Emergency services and improving public safety. McCone County has Memorandums of Agreement with the surrounding Counties, (Dawson, Garfield, Prairie, Richland, Roosevelt, and Valley) for emergency services. We share our addressing information with those counties.

## STEP 3 – Scope of Work Narrative

**Scope of Work (Required) – Provide a detailed narrative (up to 4 pages) of the work that needs to be accomplished in order to complete a successful project. The statement must include:**

1. Goals and Objectives –
  - a. Goal – The primary deliverable will be identifying and collecting Oil infrastructure locations. We need to assign addresses to the existing oil infrastructure. Then we need to assign addresses to the new oil infrastructure as it comes into the county. Then we need to integrate this data into our current McCone County Address Geodatabase.
    - i. Objective – Identify, Collect by GPS, existing infrastructure and new infrastructure and routes to them.
    - ii. Assign Addresses to Structure Points and Integrate into our existing address Geodatabase.
    - iii. Disseminate to McCone County Dispatch, Surrounding Counties, and the MT State Structure Framework
2. Task or Activities – The following tasks are listed sequentially but most will be recurring throughout the Grant Cycle.
  - a. Identify existing and new Oil infrastructure this includes but is not limited to, approximately 37 old oil wells, 2 Pipeline Pump stations, 1 Pipe Line Pipe yard, 1 800 Person Worker Camp, and approximately 60 new oil well permits. Complete the existing backlog by Sept of 2013
  - b. Staff hires a temporary worker to locate and collect GPS Oil Related Structures/Activities and routes to them. Complete by Sept of 2013
  - c. GIS office to develop and implement a process to identify new Oil Structures/Activities and routes to them.
  - d. Prioritize existing sites with local emergency services to collect by GPS Oil Related structures and activities and Assign them addresses by Nov 2013.
  - e. Temporary Worker will collect GPS Points for Oil related Structures or activities and routes to them. This will be recurring.
  - f. GIS will assign addresses to Oil related Structure/Activity. This will be recurring.
  - g. GIS will integrate the data into the existing county Geodatabase and manage quality review. This will be recurring.
  - h. GIS will disseminate Addressing geodatabase to local dispatch, surrounding counties, and the Montana Structures Framework, as needed. This will be recurring based on each entity's sharing agreement.

Fiscal Year 2013 Montana Land Information Act Grant Application

3. Time Schedule

a.

McCone County Time Schedule		2013	2013	2014	2014
Task		September	December	March	June
1	Identify existing and New Oil Infrastructure	x			
	Approximately 37 Old Oil Wells				
	2 Pump stations				
	1 Pipe Yard				
	1 800-1000 person worker Camp				
	Anticipating over 60 permits				
2	Staff Hires Temporary Worker to Locate and GPS Oil Structures	x			
3	GIS office to develop a process to Identify process new Oil Structures/Activity and implement it.	x	x	x	
4	Prioritize sites with Emergency Services to GPS and Address	x	x		
5	Temporary Worker Collects all Oil Structures/Activity and routes to them.	x	x	x	x
6	GIS office assigns Address to Oil Structure/Activity location as they are collected by GPS	x	x	x	x
7	GIS office Integrates all collected data into Address Geodatabase and manages quality review.	x	x	x	x
8	GIS office Disseminates Address Geodatabase quarterly or as needed Per Memorandum of Agreement.		x	x	x
<p>These tasks are dependent on the one preceding it and most are recurring.</p>					

## **STEP 4 – Project Management and Organizational Capability Narrative**

Nancy Stempel, McCone County GIS Coordinator

Nancy has over 10 years experience in Information Systems and Geographic Information Systems. She currently manages and does all the GPS collection, address assigning, integrating into the address data base for McCone County. This address geodatabase includes the Town of Circle. Nancy is in the process of converting all mapping of county boundaries completed in CAD to ESRI geodatabase. She has worked with the road department to improve the road data and worked with emergency services to provide them the information they need.

Nancy has over 20 years experience as a leader, manager and project manager as an officer in the Army Reserve. She has a lot of experience meeting deadlines, planning and executing projects and completing all reports as required. Nancy also has years of experience with hiring and promoting people to fill critical positions.

## STEP 5 – Budget Justification Narrative and Tables

### **McCone County's MLIA Account is used to support the County GIS department.**

This budget should allow McCone County to complete all of the goals listed. The temporary worker may require up to 200 miles reimbursement per day due to the large size of the county. The temporary worker will gather as much data on each trip, but with no overnight facilities they will have to return home which accounts for some of the mileage. The 200 mile per day mileage will allow the worker to reach any area in the county and return to share the information gathered. Ten hours per week will allow the temporary worker to focus their effort in one day to gather as much data as possible. Nancy will require approximately 20 hours per month to process the raw data and update her records and manage quality review checks before disseminating the information. The hours for Nancy will enable her to spend about 5 hours per week on the project and on managing the temporary worker. The GIS office will require a new GPS unit so that it can continue to operate while the temporary worker is working. It is not feasible to share the current GPS unit which is already used by several departments in McCone. The hours and mileage described above will allow time to gather data on the current sites and routes, reduce and eliminate the backlog of address requests and assist McCone County with updating its Geodatabase to ensure the E911 system is accurate which helps the first responders find these sites quickly. The \$250 in supplies will aid in printing materials for the quality review process. The 5% administration fee will enable the county to process required documentation and get reimbursement as necessary.

McCone County's in kind share will be the hours spent by First Responders, Law Enforcement and Road Crew personnel, and Volunteers to gather information about new and potential sites as well as assisting with gathering the data at the site. These people will also help check the data after it is gathered. Also, Dispatchers help to incorporate oil wells into their mapping software.

Although the Oil industry has been developing in almost all of the surrounding counties around McCone, we are just starting to see it. Our services have been influenced by the oil, we have only received a few thousand dollars in increased revenue. McCone County resources and services will be stretched thin the next 2 years with the TransCanada Keystone pipeline bringing in the 800 Worker Camp outside of Circle in addition to the influx of workers for the Bakken Oil Formation, as well as continued growth of oil impacts. I anticipate requesting funds for this grant next year if the oil development keeps impacting the county without sufficient increase in county revenue. After two years the oil industry development should level off and the Oil revenue should increase.

The County is dedicated in maintaining, improving, and growing our geographic data. After the initial 1 to 2 year development, this project will fall into the regular maintenance of the current addresses.

**Applicant budget summary**

Category	MLIA Share	Applicant Share	Other Share	Total
<b>a. Personnel</b>	5200			5200
<b>Nancy Stempel</b>				
<b>Temporary Worker</b>	7800			7800
<b>First Responders and Volunteers</b>		5665.4		5665.4
<b>Road Crew Supervisors</b>		1144		1144
<b>Lead Dispatchers</b>		2184		2184
<b>a.1 Fringe Nancy Stempel</b>	.35 X 5200 = \$1820 Nancy only			
<b>Road Crew</b>		400.40		400.40
<b>Lead Dispatchers</b>		764.4		764.40
<b>b. Travel</b>	200 miles X 52 weeks/year/\$.556 = \$5782.40			5782.40
<b>c. Equipment</b>	\$600			600
<b>d. Supplies</b>	\$250			250
<b>e. Contractual</b>				
<b>f. Other</b>	5% admin = See Total			1072.62
<b>Totals</b>	21,452.40 + 5% = 1072.62 + 21,452.40=\$22,525.02	10,158.20		32,683.22

**Project Partner budget summary (provide a separate budget summary for each partner (including subcontracts). See page 6 for a definition of a project partner.**

Category	Partner 1	Partner 2	Partner 3	Total
<b>a. Personnel</b>				
<b>a.1 Fringe Benefits</b>				
<b>b. Travel</b>				
<b>c. Equipment</b>				
<b>d. Supplies</b>				
<b>e. Contractual</b>				
<b>f. Other</b>				
<b>Totals</b>				



**STEP 6 – Statements of Support**

**STEP 7 – Renewable Grant Accountability Narrative**

**This is the first time funds were requested for this project.**

## STEP 8 – Sign the Application

### Authorizing Statement

I hereby certify that 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.

James D. Moor  
Name (print or type)

Commissioner  
Title (print or type)

James D. Moor  
Signature and Title of Authorized Representative(s) of Public Entity Applicant

Date 2-15-13