

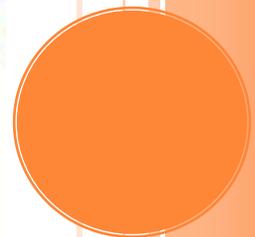
# NOBLE COUNTY SHARED ASSET MAPPING

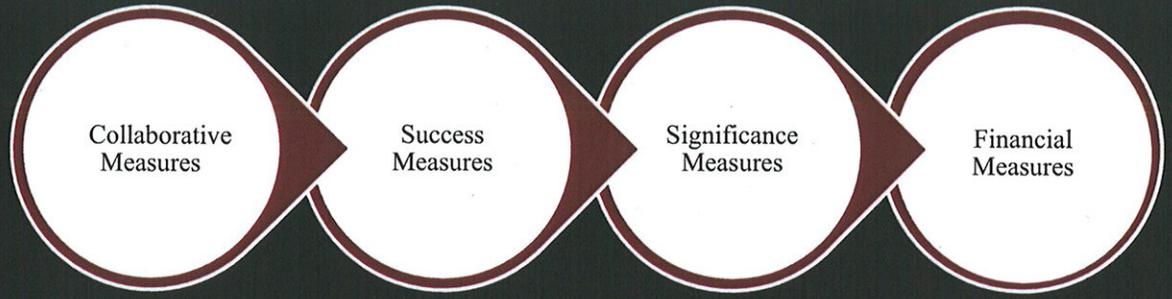
*LOCAL GOVERNMENT INNOVATION FUND  
GRANT APPLICATION*

September 4, 2012

Submission to:  
Ohio Department of Development  
Office of Redevelopment  
77 South High Street  
Columbus, Ohio 43216-1001

Submitted by:  
Noble County Engineering Department  
220 Courthouse  
Caldwell, Ohio 43724





## Round 3: Application Form

# Local Government Innovation Fund

Step One: Fill out this Application Form in its entirety.

Step Two: Fill out the online submission form and submit your application materials. All supplemental application materials should be combined into one file for submission.

### LGIF: Applicant Profile

<b>Lead Applicant</b>	Noble County Commissioners
<b>Project Name</b>	Shared Asset Mapping
<b>Type of Request</b>	Grant
<b>Funding Request</b>	\$86,791
<b>JobsOhio Region</b>	Central
<b>Number of Collaborative Partners</b>	1

### Office of Redevelopment

**Website:** <http://development.ohio.gov/Urban/LGIF.htm>

**Email:** [LGIF@development.ohio.gov](mailto:LGIF@development.ohio.gov)

**Phone:** 614 | 995 2292

Lead Applicant	Noble County Commissioners	<b>Round 3</b>	
Project Name	Shared Asset Mapping	Type of Request	Grant

Lead Applicant					
<b>Mailing Address:</b>	Address Line 1	210 Courthouse			
	Address Line 2				
	City	Caldwell	State	OH	Zip Code 43724
City, Township or Village				Population (2010)	
County		Noble	Population (2010)		14,058
Did the lead applicant provide a resolution of support?		<input type="checkbox"/> Yes (Attached) <input checked="" type="checkbox"/> No (In Process)			

Project Contact					
Complete the section below with information for the individual to be contacted on matters involving this application.					
Project Contact		Mark Eicher	Title		Noble County Engineer
<b>Mailing Address:</b>	Address Line 1	220 Courthouse			
	Address Line 2				
	City	Caldwell	State	OH	Zip Code 43724
Email Address		engineer@noblecountyohio.gov	Phone Number		(740) 732-4400

Fiscal Officer					
Complete the section below with information for the entity and individual serving as the fiscal agent for the project.					
Fiscal Officer		Jody Parrish-Polen	Title		Noble County Auditor
<b>Mailing Address:</b>	Address Line 1	200 Courthouse			
	Address Line 2				
	City	Caldwell	State	OH	Zip Code 43724
Email Address		jparrishpolen@noblecountyohio.gov	Phone Number		(740) 732-2702
Is your organization registered in OAKS as a vendor?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			

Section 1  
Contacts

Lead Applicant	Noble County Commissioners	Round 3	
Project Name	Shared Asset Mapping	Type of	Grant

Single Applicant	
Is your organization applying as a single entity?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Participating Entity: (1 point) for single applicants	0

Collaborative Partners	
Does the proposal involve other entities acting as collaborative partners?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Applicants applying with a collaborative partner are required to show proof of the partnership with a partnership agreement signed by each partner and resolutions of support from the governing entities. If the collaborative partner does not have a governing entity, a letter of support from the partnering organization is sufficient. Include these documents in the supporting documents section of the application.

In the section below, applicants are required to identify population information and the nature of the partnership.

Each collaborative partner should also be clearly and separately identified on pages 4-5.

Number of Collaborative Partners who signed the partnership agreement, and provided resolutions of support.	1
Participating Entity: (5 points) allocated to projects with collaborative partners.	5

Population		
The applicant is required to provide information from the 2010 U.S. Census information, available at: <a href="http://factfinder2.census.gov/">http://factfinder2.census.gov/</a>		
Does the applicant (or collaborative partner) represent a city, township or village with a population of less than 20,000 residents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
	List Entity	
	Village of Caldwell	
	Municipality/Township	Population
	Municipality	1,748
Does the applicant (or collaborative partner) represent a county with a population of less than 235,000 residents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
	List Entity	
	Noble County	
	County	Population
	Noble	14,058
Population: (3-5 points) determined by the smallest population listed in the application. Applications from (or collaborating with) small communities are preferred.	5	

Section 2 Collaborative Partners

Lead Applicant	Noble County Commissioners	Round 3	
Project Name	Shared Asset Mapping	Type of Request	Grant

**Nature of Partnership (2000 character limit)**

**As agreed upon in the partnership agreement, please identify the nature of the partnership, and explain how the main applicant and the partners will work together on the proposed project.**

Noble County Commissioners and the Village of Caldwell are partnering on this project to obtain new aerial photography and contour mapping, which are needed for a variety of government functions and business development purposes. Noble County Commissioners and the Village of Caldwell will save taxpayer dollars by collaborating on this project and sharing the resulting mapping and geospatial data.

Section 2  
Collaborative Partners

**List of Partners**

**The applicant applying with collaborative partners (defined in §1.03 of the LGIF Policies) must include the following information for each applicant:**

- Name of collaborative partners
- Contact Information
- Population data (derived from the 2010 U.S. Census)

**If the project involves more than 12 collaborative partners, additional forms are available on the LGIF website.**

Lead Applicant	Noble County Commissioners	Round 3	
Project Name	Shared Asset Mapping	Type of Request	Grant

Collaborative Partners Number 1	Village of Caldwell						
Address Line 1	215 West Street				Population		
Address Line 2					Municipality /Township	Municipality	Population
City	Caldwell	State	OH	Zip Code	43724	County	Population
Email Address					Phone Number		
Resolution of Support	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				Signed Agreement	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

Collaborative Partners Number 2							
Address Line 1					Population		
Address Line 2					Municipality /Township		Population
City		State		Zip Code		County	Population
Email Address					Phone Number		
Resolution of Support	<input type="checkbox"/> Yes <input type="checkbox"/> No				Signed Agreement	<input type="checkbox"/> Yes <input type="checkbox"/> No	

Collaborative Partners Number 3							
Address Line 1					Population		
Address Line 2					Municipality /Township		Population
City		State		Zip Code		County	Population
Email Address					Phone Number		
Resolution of Support	<input type="checkbox"/> Yes <input type="checkbox"/> No				Signed Agreement	<input type="checkbox"/> Yes <input type="checkbox"/> No	

Collaborative Partners Number 4							
Address Line 1					Population		
Address Line 2					Municipality /Township		Population
City		State		Zip Code		County	Population
Email Address					Phone Number		
Resolution of Support	<input type="checkbox"/> Yes <input type="checkbox"/> No				Signed Agreement	<input type="checkbox"/> Yes <input type="checkbox"/> No	

Section 2 Collaborative Partners

Lead Applicant	Noble County Commissioners	Round 3	
Project Name	Shared Asset Mapping	Type of Request	Grant

Collaborative Partners					
Number 5					
Address Line 1		Population			
Address Line 2		Municipality /Township		Population	
City	State	Zip Code	County	Population	
Email Address		Phone Number			
Resolution of Support		<input type="checkbox"/> Yes <input type="checkbox"/> No		Signed Agreement <input type="checkbox"/> Yes <input type="checkbox"/> No	

Collaborative Partners					
Number 6					
Address Line 1		Population			
Address Line 2		Municipality /Township		Population	
City	State	Zip Code	County	Population	
Email Address		Phone Number			
Resolution of Support		<input type="checkbox"/> Yes <input type="checkbox"/> No		Signed Agreement <input type="checkbox"/> Yes <input type="checkbox"/> No	

Collaborative Partners					
Number 7					
Address Line 1		Population			
Address Line 2		Municipality /Township		Population	
City	State	Zip Code	County	Population	
Email Address		Phone Number			
Resolution of Support		<input type="checkbox"/> Yes <input type="checkbox"/> No		Signed Agreement <input type="checkbox"/> Yes <input type="checkbox"/> No	

Collaborative Partners					
Number 8					
Address Line 1		Population			
Address Line 2		Municipality /Township		Population	
City	State	Zip Code	County	Population	
Email Address		Phone Number			
Resolution of Support		<input type="checkbox"/> Yes <input type="checkbox"/> No		Signed Agreement <input type="checkbox"/> Yes <input type="checkbox"/> No	

Section 2 Collaborative Partners

Lead Applicant	Noble County Commissioners	Round 3	
Project Name	Shared Asset Mapping	Type of Request	Grant

Collaborative Partners					
Number 9					
Address Line 1		Population			
Address Line 2		Municipality /Township		Population	
City	State	Zip Code	County	Population	
Email Address		Phone Number			
Resolution of Support		<input type="checkbox"/> Yes <input type="checkbox"/> No		Signed Agreement <input type="checkbox"/> Yes <input type="checkbox"/> No	

Collaborative Partners					
Number 10					
Address Line 1		Population			
Address Line 2		Municipality /Township		Population	
City	State	Zip Code	County	Population	
Email Address		Phone Number			
Resolution of Support		<input type="checkbox"/> Yes <input type="checkbox"/> No		Signed Agreement <input type="checkbox"/> Yes <input type="checkbox"/> No	

Collaborative Partners					
Number 11					
Address Line 1		Population			
Address Line 2		Municipality /Township		Population	
City	State	Zip Code	County	Population	
Email Address		Phone Number			
Resolution of Support		<input type="checkbox"/> Yes <input type="checkbox"/> No		Signed Agreement <input type="checkbox"/> Yes <input type="checkbox"/> No	

Collaborative Partners					
Number 12					
Address Line 1		Population			
Address Line 2		Municipality /Township		Population	
City	State	Zip Code	County	Population	
Email Address		Phone Number			
Resolution of Support		<input type="checkbox"/> Yes <input type="checkbox"/> No		Signed Agreement <input type="checkbox"/> Yes <input type="checkbox"/> No	

Section 2 Collaborative Partners

Lead Applicant	Noble County Commissioners	Round 3	
Project Name	Shared Asset Mapping	Type of Request	Grant

Identification of the Type of Award	Planning Study
Targeted Approach	Shared Service

**Project Description (4000 character limit)**

Please provide a general description of the project. The information provided will be used for council briefings, program, and marketing materials.

The LGIF grant and local matching funds will be used to obtain updated aerial photography and contour mapping of Noble County, which are useful for a variety of government functions and business development purposes. Noble County Commissioners and the Village of Caldwell will save taxpayer dollars by collaborating on this project and sharing the resulting mapping and geospatial data.

Noble County plans to hire a geospatial firm through the Ohio Statewide Imagery Program (OSIP II) to complete the project work; however, the County will oversee the project as well as perform quality assurance and quality control of the data. The Noble County project area consists of approximately 404.7 square miles in eastern/southeastern Ohio. The project area covers the entire County, including the Village of Caldwell and several smaller communities.

As a result of this project, Noble County will receive high-resolution aerial imagery at a 6-inch pixel resolution (the existing aerial imagery has 12-inch pixel resolution), a high-accuracy base map, and 4-foot contours. The aerial photography and contour data files will be used to provide accurate information for the County's Geographic Information System (GIS) database, which is currently under development. The contour data will also be delivered as CAD files, which will be useful for engineering projects throughout the County.

This project will benefit the County in a number of ways. First, it will support the development of a highly-accurate, county-wide GIS, a computerized system that allows government employees, resident, and businesses to quickly access and view geospatial data. By obtaining a high accuracy base map and 4-foot contours, Noble County will be better positioned to deal with natural disasters, such as floods. For example, 4-foot contours can be used to assist the County with the calculation of potential run-off during a heavy rainfall, and to map floodplains, watershed areas, as well as riverbank erosion. During periods of flooding, this information can be used to help determine where road closures should occur, and the best locations for emergency re-routing of vehicles. More accurate geospatial data also helps enable faster response to emergencies through the E-911 dispatch.

In addition, the County will have more information about its infrastructure and assets, such as roads, water and sewer lines, and parks. This will facilitate better management of these important community assets. Finally, the County will be better positioned to respond to economic growth opportunities. When developers express an interest in available land, the County will be able to quickly provide accurate information about the available land, utilities, and roadways, as well as slope, drainage, and flood plain information.

Upon grant award, the project activities may begin (under appropriate weather conditions) in March 2013, with completion in October 2013. The updated ortho-photography and data will be available to the County and the Village during the fourth quarter of 2013.

Section 3  
Project Information

Lead Applicant	Noble County Commissioners	<b>Round 3</b>	
Project Name	Shared Asset Mapping	Type of Request	Grant

<b>Past Success</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
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<b>Past Success (5 points)</b>	<b>5</b>
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Provide a summary of past efforts to implement a project to improve efficiency, implement shared services, coproduction, or a merger. (1000 character limit)

The County is currently developing a GIS database of tax parcels in cooperation with Buckeye Hills and the Appalachian Ohio Geospatial Data Partnership. The County is also collaborating with the Noble County EMS to develop a GIS database of roads and addresses through LBRS. Noble County EMS is coordinating the roadway and property address effort.

<b>Scalable/Replicable Proposal</b>	<input type="checkbox"/> Scalable <input type="checkbox"/> Replicable <input checked="" type="checkbox"/> Both
-------------------------------------	--

<b>Scalable/Replicable (10 points)</b>	<b>10</b>
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Provide a summary of how the applicant's proposal can be replicated by other local governments or scaled for the inclusion of other local governments. (1000 character limit)

This project can be used as a model and replicated by other government entities. In fact, the sharing of geospatial data has been used in other locations around the country and is currently being done in Noble County (see Past Success item above).

The project can also be scaled to include additional collaborating partners. This project covers the entire County and the aerial photography and contours will be made available to other towns and villages in Noble County.

Section 3  
Project Information

<b>Probability of Success</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
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<b>Probability of Success (5 points)</b>	<b>5</b>
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Provide a summary of the likelihood of the grant study recommendations being implemented. Applicants requesting a loan should provide a summary of the probability of savings from the loan request. (1000 character limit)

With the funding provided by the LGIF grant, the County's history of geospatial data collaboration, and the delivery of highly-accurate geospatial data through OSIP, this project has a high probability of success.

Lead Applicant	Noble County Commissioners	<b>Round 3</b>	
Project Name	Shared Asset Mapping	Type of Request	Grant

<b>Performance Audit Implementation/Cost Benchmarking</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
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<b>Performance Audit/Benchmarking (5 points)</b>	<b>5</b>
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If the project is the result of recommendations from a performance audit provided by the Auditor of State under Chapter 117 of the Ohio Revised Code or a cost benchmarking study, please attach a copy with the supporting documents. In the section below, provide a summary of the performance audit or cost benchmarking study. (1000 character limit)

The County and Village will make use of the State of Ohio's cost benchmarking Request for Proposal (RFP #OA1078), and resulting Ohio Statewide Imagery Program (OSIP). This Program provides state and county agencies an opportunity to obtain enhanced orthophotography, at a reduced cost, through the State's Cooperative Purchase Agreement (CPA) program.

<b>Economic Impact</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
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<b>Economic Impact (5 points)</b>	<b>5</b>
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Provide a summary of how the proposal will promote a business environment (through a private business relationship) and/or provide for community attraction. (1000 character limit)

The highly-accurate geospatial data and location information that will result from this project could be used to identify and market land available for development within the County. This could help attract potential developers and result in much-needed economic growth. Noble County currently has one of the highest unemployment rates in the State of Ohio. In July 2012, the rate was 10.2 percent.

This project will also help promote a business environment by allowing the County to respond more quickly to economic growth opportunities. When developers express an interest in available land, the County will be able to quickly provide accurate information about the available land, utilities, and roadways, as well as information as to slope, drainage, and flood plain management.

Section 3  
Project Information

<b>Response to Economic Demand</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
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<b>Response to Economic Demand (5 points)</b>	<b>5</b>
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Provide a summary of how the project responds to substantial changes in economic demand for local or regional government services. The narrative should include a description of the current service level. (1000 character limit)

The growth in hydraulic fracturing has had an impact on Noble County and its government. There is at least one hydraulic fracturing operation near Sarahsville in Noble County (see The Ohio State University's Subsurface Energy Resource Center Web page at <http://serc.osu.edu/what-lies-beneath-0>). It is likely that interest in County land available for hydraulic fracturing will continue to grow as companies seek to increase the extraction of natural gas in Ohio. The highly-accurate geospatial data and location information resulting from this project can be used to respond to Ohio shale activities, as well as map environmental impact zones and water resource areas.

# Budget Information

## General Instructions

- Both the Project Budget and Program Budgets are required to be filled out in this form.
- Consolidate budget information to fit in the form. Additional budget detail may be provided in the budget narrative or in an attachment in Section 5: Supplemental Information.

### Project Budget:

- The Project Budget justification must be explained in the Project Budget Narrative section of the application. This section is also used to explain the reasoning behind any items on the budget that are not self explanatory, and provide additional detail about project expenses.
- The Project Budget should be for the period that covers the entire project. The look-back period for in-kind contributions is two (2) years. These contributions are considered a part of the total project costs.
- For the Project Budget, indicate which entity and revenue source will be used to fund each expense. This information will be used to help determine eligible project expenses.
- Please provide documentation of all in-kind match contributions in the supporting documents section. For future in-kind match contributions, supporting documentation will be provided at a later date.

### Program Budget:

- Six (6) years of Program Budgets should be provided. The standard submission should include three years previous budgets (actual), and three years of projections including implementation of the proposed project. A second set of three years of projections (one set including implementation of this program, and one set where no shared services occurred) may be provided in lieu of three years previous if this does not apply to the proposed project.
- Please use the Program Budget Narrative section to explain any unusual activities or expenses, and to defend the budget projections. If the budget requires the combining of costs on the budget template, please explain this in the narrative.

### Return on Investment:

- A Return on Investment calculation is required, and should reference cost savings, cost avoidance and/or increased revenues indicated in the budget projection sections of the application. Use the space designated for narrative to justify this calculation, using references when appropriate.

### For Loan Applications only:

- Using the space provided, outline a loan repayment structure.
- Attach three years prior financial documents related to the financial health of the lead applicant (balance sheet, income statement, and a statement of cash flows).

<b>Lead Applicant</b>	Noble County Commissioners	<b>Round 3</b>	
<b>Project Name</b>	Shared Asset Mapping	<b>Type of Request</b>	Grant

## Project Budget

### Sources of Funds

LGIF Request:

Cash Match (List Sources Below):

Source: Noble County General Fund	\$3,214
Source: Noble County Real Estate	\$3,214
Source: Noble County Motor Vehicle Gas Tax	\$3,215
Source: _____	

In-Kind Match (List Sources Below):

Source: _____	
Source: _____	
Source: _____	

Total Match:   
Total Sources:

### Uses of Funds

	<u>Amount</u>	<u>Revenue Source</u>
Consultant Fees:		
Legal Fees:		
Other: 6-inch orthophotography	\$58,581	
Other: 4-foot contours	\$37,853	
Other: _____		

Total Uses:   
Local Match Percentage:

\* Please note that this match percentage will be included in your grant/loan agreement and cannot be changed after awards are made.

Local Match Percentage = (Match Amount/Project Cost) \* 100 (10% match required)  
 10-39.99% (1 point)   
 40-69.99% (3 points)   
 70% or greater (5 points)

Project Budget Narrative: Use this space to justify expenses (1200 character max).

The Noble County project area consists of approximately 404.7 square miles and is located in eastern/southeast Ohio. In addition to covering the County, the project area also includes the City of Caldwell, along with several smaller villages and towns.

This project includes collecting color 4-band, 8-bit, 6-inch aerial imagery, along with the creation of county-wide 4-foot contours (created from 2007 OSIP LiDAR), with all aerial imagery to be acquired during the spring 2013 (leaf-off and blue-sky conditions).

Section 4 Financial Information

## Program Budget A

Actual <input type="checkbox"/> Projected <input checked="" type="checkbox"/>	FY 2013 Amount	FY 2014 Amount	FY 2015 Amount
<b>Expenses</b>			
Salary and Benefits		\$18,000	\$18,000
Contract Services	\$96,434		
Occupancy (rent, utilities, maintenance)			
Training and Professional Development			
Insurance			
Travel			
Capital and Equipment Expenses			
Supplies, Printing, Copying, and Postage			
Evaluation			
Marketing			
Conferences, meetings, etc.			
Administration			
*Other - _____			
*Other - _____			
*Other - _____			
<b>TOTAL EXPENSES</b>	<b>\$96,434</b>	<b>\$18,000</b>	<b>\$18,000</b>
	<b>Revenues</b>	<b>Revenues</b>	<b>Revenues</b>
<b>Contributions, Gifts, Grants, and Earned Revenue</b>			
Local Government: Noble County General Fund	\$3,214		
Local Government: Noble County Real Estate	\$3,214		
Local Government: Noble County Motor Vehicle Gas Tax	\$3,215		
State Government	\$86,791		
Federal Government			
*Other - _____			
*Other - _____			
*Other - _____			
Membership Income			
Program Service Fees			
Investment Income			
<b>TOTAL REVENUES</b>	<b>\$96,434</b>	<b>\$0</b>	<b>\$0</b>

## Program Budget

	Actual	Projected <input checked="" type="checkbox"/>	FY 2013	FY 2014	FY 2015
Expenses			Amount	Amount	Amount
Salary and Benefits				\$36,000	\$36,000
Contract Services			\$241,085		
Occupancy (rent, utilities, maintenance)					
Training and Professional Development					
Insurance					
Travel					
Capital and Equipment Expenses			\$110,000	\$40,000	\$40,000
Supplies, Printing, Copying, and Postage					
Evaluation					
Marketing					
Conferences, meetings, etc.					
Administration					
*Other -					
*Other -					
*Other -					
<b>TOTAL EXPENSES</b>			<b>\$351,085</b>	<b>\$76,000</b>	<b>\$76,000</b>
			Revenues	Revenues	Revenues
<b>Contributions, Gifts, Grants, and Earned Revenue</b>					
Local Government:					
Local Government:					
Local Government:					
State Government					
Federal Government					
*Other -					
*Other -					
*Other -					
Membership Income					
Program Service Fees					
Investment Income					
<b>TOTAL REVENUES</b>			<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

<b>Lead Applicant</b>	Noble County Commissioners	<b>Round 3</b>
<b>Project Name</b>	Shared Asset Mapping	Type of Request
		Grant

### Program Budget

Use this space to justify the program budget and/or explain any unusual revenues or expenses (6000 characters max).

Pages 13 and 14 demonstrate the efficiencies achieved through shared services between Noble County and the Village of Caldwell. Below is a description of the assumptions of Project Budget A and Project Budget B.

Page 13, Project Budget A Assumptions: One of the two partners is staffing the server (\$45 per hour [salary and benefits] X 8 hours X 50 weeks = \$18,000); that the County and Cities take advantage of the reduced pricing available through the OSIP program (\$96,434 versus \$120,542.50); and that the area is flown one time.

Page 14, Project Budget B Assumptions: Both of the project partners staff separate servers under separate programs (\$18,000 X 2 = \$36,000); that the OSIP discount is not available to the County and Cities (\$120,542.50); that the area is flown two separate times (\$120,542.50 X 2 = \$241,085); and that each project partner has separate server and hosting costs (\$35,000 for server [including sequel and ARC licenses]; \$15,000 for 12 months of hosting; and \$5,000 for annual maintenance costs = \$55,000 X 2 = \$110,000 [For FYs 2014 and 2015, the going forward costs include \$15,000 for 12 months of hosting, and \$5,000 for annual maintenance costs = \$20,000 X 2 = \$40,000]).

#### Section 4: Financial Information Scoring

<input type="checkbox"/>	(5 points) Applicant provided complete and accurate budget information and narrative justification for a total of six fiscal years.
<input checked="" type="checkbox"/>	(3 points) Applicant provided complete and accurate budget information and for at least three fiscal years.
<input type="checkbox"/>	(1 point) Applicant provided complete and accurate budget information for less than three fiscal years.

<b>Lead Applicant</b>	Noble County Commissioners	<b>Round 3</b>	
<b>Project Name</b>	Shared Asset Mapping	Type of Request	Grant

## Return On Investment

Return on Investment is a performance measure used to evaluate the efficiency of an investment. To derive the expected return on investment, divide the net gains of the project by the net costs. For these calculations, please use the implementation gains and costs, NOT the project costs (the cost of the feasibility, planning, or management study)--unless the results of this study will lead to direct savings without additional implementation costs. The gains from this project should be derived from the prior and future program budgets provided, and should be justified in the return on investment narrative.

### Return on Investment Formulas:

Consider the following questions when determining the appropriate ROI formula for the project. Check the box of the formula used to determine the ROI for the project. These numbers should refer to savings/revenues illustrated in projected budgets.

Do you expect cost savings from efficiency from the project?

Use this formula: 
$$\frac{\text{Total \$ Saved}}{\text{Total Program Costs}} * 100 = \text{ROI}$$

Do you expect cost avoidance from the implementation of the project/program?

Use this formula: 
$$\frac{\text{Total Cost Avoided}}{\text{Total Program Costs}} * 100 = \text{ROI}$$

Do you expect increased revenues as a result of the project/program?

Use this formula: 
$$\frac{\text{Total New Revenue}}{\text{Total Program Costs}} * 100 = \text{ROI}$$

Expected Return on Investment = 
$$\frac{\$370,651}{\$132,434} * 100 = 279.88\%$$

Return on Investment Justification Narrative: In the space below, briefly describe the nature of the expected return on investment, using references when appropriate. (1300 character limit)

Project Budget A (Page 13) Total Cost for FY 2013, FY 2014, and FY 2015: \$132,434  
 Project Budget B (Page 14) Total Cost for FY 2013, FY 2014, and FY 2015: \$503,085  
 Total Savings: \$503,085 - \$132,434 = \$370,651  
 $\$370,651 / \$132,434 = 2.79 \times 100 = 280\%$

Expected Return on Investment is:

- Less than 25% (10 points)       25%-74.99% (20 points)       Greater than 75% (30 points)

Questions about how to calculate ROI? Please contact the Office of Redevelopment at 614-995-2292 or [lgif@development.ohio.gov](mailto:lgif@development.ohio.gov)

Section 4

Financial Information

<b>Lead Applicant</b>	Noble County Commissioners	<b>Round 3</b>	
<b>Project Name</b>	Shared Asset Mapping	Type of Request	Grant

## Loan Repayment Structure

Please outline the preferred loan repayment structure. At a minimum, please include the following: the entities responsible for repayment of the loan, all parties responsible for providing match amounts, and an alternative funding source (in lieu of collateral). Applicants will have two years to complete the project upon execution of the loan agreement, and the repayment period will begin upon the final disbursement of the loan funds. A description of expected savings over the term of the loan may be used as a repayment source.

This section is not applicable, as Noble County is applying for a grant under the Local Government Innovation Fund program.

Section 4 Financial Information

Applicant demonstrates a viable repayment source to support loan award. Secondary source can be in the form of a debt reserve, bank participation, a guarantee from a local entity, or other collateral (i.e. emergency, rainy day, or contingency fund, etc).

<input type="checkbox"/> Applicant clearly demonstrates a secondary repayment source (5 points)	<input type="checkbox"/> Applicant does not have a secondary repayment source (0 points)
---	--

<b>Lead Applicant</b>	Noble County Commissioners	<b>Round 3</b>	
<b>Project Name</b>	Shared Asset Mapping	Type of Request	Grant

## Scoring Overview

### Section 1: Collaborative Measures

Collaborative Measures	Description	Max Points	Applicant Self Score
<b>Population</b>	Applicant's population (or the population of the area(s) served) falls within one of the listed categories as determined by the U.S. Census Bureau. Population scoring will be determined by the <b>smallest</b> population listed in the application. Applications from (or collaborating with) small communities are preferred.	5	5
<b>Participating Entities</b>	Applicant has executed partnership agreements outlining all collaborative partners and participation agreements and has resolutions of support. (Note: Sole applicants only need to provide a resolution of support from its governing entity.	5	5

### Section 2: Success Measures

<b>Past Success</b>	Applicant has successfully implemented, or is following project guidance from a shared services model, for an efficiency, shared service, coproduction or merger project in the past.	5	5
<b>Scalable/Replicable Proposal</b>	Applicant's proposal can be replicated by other local governments or scaled for the inclusion of other local governments.	10	10
<b>Probability of Success</b>	Applicant provides a documented need for the project and clearly outlines the likelihood of the need being met.	5	5

### Section 3: Significance Measures

<b>Performance Audit Implementation/Cost Benchmarking</b>	The project implements a single recommendation from a performance audit provided by the Auditor of State under Chapter 117 of the Ohio Revised Code or is informed by cost benchmarking.	5	5
<b>Economic Impact</b>	Applicant demonstrates the project will promote business environment (i.e., demonstrates a business relationship resulting from the project) and will provide for community attraction (i.e., cost avoidance with respect to taxes)	5	5
<b>Response to Economic Demand</b>	The project responds to current substantial changes in economic demand for local or regional government services.	5	5

### Section 4: Financial Measures

<b>Financial Information</b>	Applicant includes financial information (i.e., service related operating budgets) for the most recent three years and the three year period following the project. The financial information must be directly related to the scope of the project and will be used as the cost basis for determining any savings resulting from the project.	5	3
<b>Local Match</b>	Percentage of local matching funds being contributed to the project. This may include in-kind contributions.	5	1
<b>Expected Return</b>	Applicant demonstrates as a percentage of savings (i.e., actual savings, increased revenue, or cost avoidance) an expected return. The return must be derived from the applicant's cost basis.	30	30
<b>Repayment Structure (Loan Only)</b>	Applicant demonstrates a viable repayment source to support loan award. Secondary source can be in the form of a debt reserve, bank participation, a guarantee from a local entity, or other collateral (i.e., emergency fund, rainy day fund, contingency fund, etc.).	5	0

**Total Points**      79

# **Noble County Shared Asset Mapping**

## **Local Government Innovation Fund Grant Application**

### **Support Documentation**

## **Attachment A:**

Please note that the proposed project costs were benchmarked through the State of Ohio's Request for Proposal under its Ohio State Imagery Program (OSIP) (RFP#OA1078).

## **Attachment B:**

Executed partnership agreements will be forwarded upon receipt.

## **Attachment C:**

Please find attached a letter of support. Please note that resolutions of support from the Applicant and Collaborative Partner will be forwarded upon receipt.

Village of Caldwell  
215 West Street  
Caldwell, Ohio 43724  
OFFICE OF THE MAYOR  
Phone: (740) 732-2635  
Fax: (740) 732-5081

August 29, 2012

Christiane Schmenk, Director  
Ohio Department of Development  
77 South High Street  
Columbus, Ohio 43215

Dear Director Schmenk:

The Village of Caldwell, Ohio, is pleased to provide this letter of support for the Local Government Innovation (LGI) Fund grant application submitted by the Noble County Commissioners for the Aerial Photography and Contour Mapping of Noble County, Ohio. The Village of Caldwell is a collaborative partner on this effort.

As a collaborative partner, we support the use of LGI funds for project planning and management purposes for this mapping project. The Noble County Commissioners and the Village of Caldwell are applying for LGI funding in order to acquire county-wide mapping and geospatial data through the Ohio Statewide Imagery Program (OSIP). OSIP is a partnership between State, Local, and Federal government agencies to develop high-resolution imagery and elevation data for Ohio.

By sharing the orthoimagery and geospatial data, we will demonstrate an innovation in efficiency and shared services. The imagery and geospatial data will be useful for Geographic Information System (GIS) users at all levels of government because they will provide accurate location data for emergency response, planning, economic development, engineering, tax collection, and other functions of government in Noble County.

Respectfully Submitted,



Lowell E. Anderson, Mayor

Village of Caldwell

## **Attachment D:**

Please find the U.S. Census documentation for the Applicant and Collaborative Partners behind this cover page.



DP-1

Profile of General Population and Housing Characteristics: 2010

2010 Demographic Profile Data

NOTE: For more information on confidentiality protection, nonsampling error, and definitions, see <http://www.census.gov/prod/cen2010/doc/dpsf.pdf>.

**Geography: Noble County, Ohio**

Subject	Number	Percent
<b>SEX AND AGE</b>		
Total population	14,645	100.0
Under 5 years	747	5.1
5 to 9 years	723	4.9
10 to 14 years	778	5.3
15 to 19 years	847	5.8
20 to 24 years	682	4.7
25 to 29 years	706	4.8
30 to 34 years	674	4.6
35 to 39 years	669	4.6
40 to 44 years	807	5.5
45 to 49 years	1,025	7.0
50 to 54 years	1,177	8.0
55 to 59 years	1,144	7.8
60 to 64 years	1,624	11.1
65 to 69 years	930	6.4
70 to 74 years	1,021	7.0
75 to 79 years	497	3.4
80 to 84 years	352	2.4
85 years and over	242	1.7
Median age (years)	48.6	( X )
16 years and over	12,221	83.4
18 years and over	11,848	80.9
21 years and over	11,402	77.9
62 years and over	3,852	26.3
65 years and over	3,042	20.8
Male population	8,472	57.8
Under 5 years	384	2.6
5 to 9 years	353	2.4
10 to 14 years	386	2.6
15 to 19 years	464	3.2
20 to 24 years	327	2.2
25 to 29 years	360	2.5
30 to 34 years	310	2.1
35 to 39 years	330	2.3
40 to 44 years	408	2.8
45 to 49 years	558	3.8
50 to 54 years	691	4.7
55 to 59 years	727	5.0
60 to 64 years	1,271	8.7
65 to 69 years	649	4.4
70 to 74 years	741	5.1
75 to 79 years	280	1.9
80 to 84 years	158	1.1
85 years and over	75	0.5



DP-1

Profile of General Population and Housing Characteristics: 2010

2010 Demographic Profile Data

NOTE: For more information on confidentiality protection, nonsampling error, and definitions, see <http://www.census.gov/prod/cen2010/doc/dpsf.pdf>.

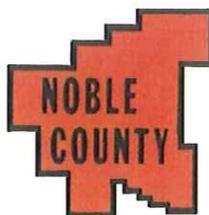
**Geography: Caldwell village, Ohio**

Subject	Number	Percent
<b>SEX AND AGE</b>		
Total population	1,748	100.0
Under 5 years	99	5.7
5 to 9 years	94	5.4
10 to 14 years	91	5.2
15 to 19 years	80	4.6
20 to 24 years	96	5.5
25 to 29 years	116	6.6
30 to 34 years	107	6.1
35 to 39 years	94	5.4
40 to 44 years	87	5.0
45 to 49 years	86	4.9
50 to 54 years	127	7.3
55 to 59 years	133	7.6
60 to 64 years	126	7.2
65 to 69 years	80	4.6
70 to 74 years	86	4.9
75 to 79 years	81	4.6
80 to 84 years	89	5.1
85 years and over	76	4.3
Median age (years)	45.6	( X )
16 years and over	1,447	82.8
18 years and over	1,417	81.1
21 years and over	1,364	78.0
62 years and over	483	27.6
65 years and over	412	23.6
Male population	796	45.5
Under 5 years	58	3.3
5 to 9 years	38	2.2
10 to 14 years	56	3.2
15 to 19 years	41	2.3
20 to 24 years	45	2.6
25 to 29 years	55	3.1
30 to 34 years	49	2.8
35 to 39 years	49	2.8
40 to 44 years	38	2.2
45 to 49 years	41	2.3
50 to 54 years	61	3.5
55 to 59 years	54	3.1
60 to 64 years	64	3.7
65 to 69 years	35	2.0
70 to 74 years	36	2.1
75 to 79 years	24	1.4
80 to 84 years	26	1.5
85 years and over	26	1.5

## **Attachment E:**

The self score was submitted as part of the grant application,  
and may be found at page 18.

GARAGE  
46003 MARIETTA RD  
CALDWELL, OH 43724  
TELEPHONE: (740) 732-4409  
FAX: (740) 732-1059



OFFICE  
ROOM 220, COURTHOUSE  
CALDWELL, OH 43724  
TELEPHONE: (740) 732-4400  
FAX: (740) 732-4861

**MARK J. EICHER, P.E., P.S.**  
NOBLE COUNTY ENGINEER

Thea J. Walsh, AICP  
Deputy Chief, Office of Redevelopment  
Ohio Development Services Agency  
77 South High Street,  
29th Floor, Columbus, Ohio 43215

October 23, 2012

Re: Cure – Shared Asset Mapping

Dear Deputy Chief Walsh,

In response to the Local Government Innovation Fund Completeness Review received by Noble County from the Ohio Development Services Agency (ODSA) on October 9, 2012, we respectfully submit the requested information.

The above mentioned correspondence listed *Issues for Response* numbered one through nine. Issues 1, 2, 3, 4, 5, and 9 do not require a response or additional information. However, Issues 6, 7, and 8 request a response or additional information. Please find responses below, and additional information attached to this Cure Letter.

**Issues for Response**

**6. Resolutions of Support: The lead applicant and the collaborative partner(s) are required to submit resolutions of support from their governing body.**

Please find attached Noble County, Ohio's resolutions of support.

**7. Partnership Agreements: The lead applicant and collaborative partner(s) are required to submit a signed partnership agreement or memorandum of understanding to be considered partners for the purposes of this application.**

Please find attached the Memorandum of Understanding between Noble County and the Village of Caldwell.

**8. Total Number of Validated Partners: The application has a total of zero collaborative partners with the appropriate documentation.**

Noble County and the Village of Caldwell have entered into a Memorandum of Understanding in order to facilitate collaboration on the Shared Asset Mapping project.

If you have any questions or require additional information, please do not hesitate to contact me.

Sincerely,

A handwritten signature in blue ink that reads "Mark J. Eicher".

Mark J. Eicher  
County Engineer

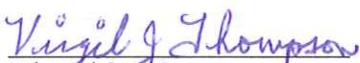
# RESOLUTION

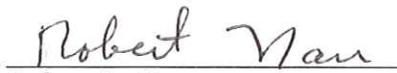
12-10-1

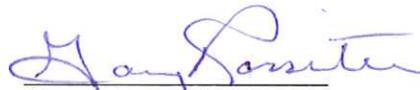
**RE: OHIO DEPARTMENT OF DEVELOPMENT LOCAL GOVERNMENT  
INNOVATION FUND GRANT APPLICATION SUPPORT**

**WHEREAS**, The Noble County Commission is applying for a grant from the Ohio Department of Development Local Government Innovation Fund in the amount of \$86,791.00 the grant, if received, will benefit the residents and communities of Noble County by processing a county-wide shared asset mapping and planning project; now therefore be it

**RESOLVED** : the Noble County Board of Commissioners supports the application for an Ohio Department of Development Local Government Innovation Fund grant to support the planning project titled, Shared Asset Mapping in Noble county. The Board of Commissioners finds and determines that all formal actions of this Board concerning and relating to adoption of this resolution were taken in an open meeting of this Board and that all deliberations of this Board that resulted in those formal actions were in a meeting open to the public in compliance with the law including Section 121.22 of the Ohio Revised Code.

  
Virgil Thompson

  
Robert Nau

  
Gary Rossiter

RESOLUTION ADOPTED. DATE: October 22, 2012

**NOBLE COUNTY COMMISSIONERS**

**Local Government Innovation Fund Partnership Agreement  
Between The Noble County and Village of Caldwell**

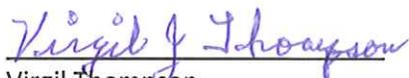
Project Name : Shared Asset Mapping

Brief project description: The proposed project will be a planning project Focusing on County Geographic Information Systems (GIS) technologies to revamp existing data and share data with Local, Regional, State, Federal and general public. The project is to convert data used for GIS and create an interactive tool that can be used by anyone. However, we propose getting this information to those who are in planning, economic development, Chamber of commerce, residential, commercial, and industrial real estate and any local, regional or state agency or member of the public that can benefit from the available information provided. The county is being inundated with requests for information due the the ever expanding shale oil and gas industry. The contour mapping and the updated aerial photography will play an essential part in our planning and economic development due to the shale oil and gas boom which is occurring in Noble County right now. The mapping will also be an essential part of the planning process in making safety improvement to the Village and County Highway System.

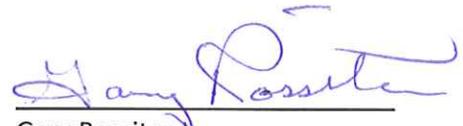
First what is GIS? Wikipedia defines GIS as : " A GIS system can be thought of as a system that digitally creates and "manipulates" spatial areas that may be jurisdictional, purpose, or application-Oriented. Generally , a GIS is custom-designed for an organization. Hence, a GIS developed for an application, jurisdiction, enterprise, or purpose may not be necessarily interoperable or compatible with a GIS that has been developed for some other application, jurisdiction, enterprise, or purpose. What goes beyond a GIS is a spatial data infrastructure ( SDI ), a concept that has no such restrictive boundaries.

Therefore, in a general sense, the term describes any information system that integrates, stores, edits, analyzes, shares, and displays geographic information for informing decision making. The term GIS-centric, however has been specifically defined as the use of the Esri ArcGIS geodatabase as the asset/feature data repository central to computerized management system (CMMS) as a part of enterprise asset management and analytical software systems. GIS applications are tools that allow users to create interactive queries ( user-created searchers ), analyze spatial information, edit in maps, and present the results of all these operations. Geographic information science is the science underlying geographic, concepts, applications, and systems".

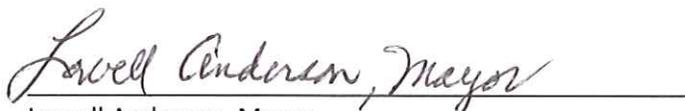
**Noble County Board of Commissioners**

  
Virgil Thompson

  
Robert Nau

  
Gary Rossiter

**Village of Caldwell**

  
Lowell Anderson, Mayor