

ORMAP Grant Application

Section I. County and Grant Information			
A. County: Polk (ORMAP ArcMap User Group)		B. Funding Cycle: Fall 2008	
C. Project will help meet ORMAP Goal(s): 1 <input type="checkbox"/> 2 <input checked="" type="checkbox"/> 3 <input checked="" type="checkbox"/> 4 <input checked="" type="checkbox"/> 5 <input checked="" type="checkbox"/> 6 <input checked="" type="checkbox"/>		D. Fund Request: \$ 16,900	
Section II. Summary of Project			DOR Assessment
A. Brief Overview of the Request.			<input type="checkbox"/> Pass <input type="checkbox"/> Fail
<p>This project is for continued development of the ORMAP ArcMap User Group tools. The development of additional tools will be completed by Polk, Deschutes, Lane, and Clackamas Counties. These tools will be used to improve productivity of conversion by these four counties as well as users at DOR and several other counties. The tool development has been approved by the ArcMap ORMAP tools committee and will be used by all user Counties to regardless of mapping status.</p>			
Scope and Deliverables			
Check	Deliverables	Brief description of the deliverables	
<input type="checkbox"/>	Taxlot Conversion		
<input type="checkbox"/>	Tax Map Conversion		
<input type="checkbox"/>	Control Points		
<input type="checkbox"/>	Scanning		
<input type="checkbox"/>	Reports		
<input type="checkbox"/>	Development		
<input type="checkbox"/>	Other Assistance		
<input checked="" type="checkbox"/>	Other Deliverable	ArcMap Tools (application software)	
<input type="checkbox"/>	Hardware/Software		
B. Timeline (funding not to exceed one year from award date)			
Completion by December 31, 2009			
C. Costs of Total Project (add lines as necessary)			
Deliverable	Number of Items	Cost per Item	Total Cost
Vertical Taxlot Map (Lane)	30 hrs	\$ 65/hr	\$ 1,950
Set Current Edit Map (Deschutes)	60 hrs	\$ 65/hr	\$ 3,900
API , Settings, Target Selection Enhancements (Lane Co.)	120 hrs	\$ 65/hr	\$ 7,800
Software Integration (Clackamas)	25 hrs	\$ 65/hr	\$ 1,625
Annotation Enhancements (Polk)	25 hrs	\$ 65/hr	\$ 1,625
D. Partnerships and Contributions (add lines as necessary):			
Partner	Contribution		
Vertical Taxlot Map (Lane)	\$ 1,050		
Target Selection Tool (Deschutes)	\$ 1,300		
API & Settings Enhancements (Lane Co.)	\$ 1,300		

Software Integration (Clackamas)	\$ 650
Annotation Enhancements (Polk)	\$ 1,950
Tools Committee Meetings by Tools Counties (60 hours)	\$ 3,900
Total Direct Match	\$ 10,150
A. Assessor's Signature & Date:	
F. Fiscal Coordinator – Name & Contact Number:	Dean Anderson 503-623-0704
G. Project Coordinator – Name & Title:	Dean Anderson IT Director Polk County
	Dean Anderson, Bob Haas, Rod Therriault, Eric Bohard, Steve Ganoë, Keith Massie, David Cutting
E-mail address:	ericboh@co.clackamas.or.us , massiekj@jacksoncounty.org Anderson.dean@co.polk.or.us , BobH@co.deschutes.or.us sganoë@co.marion.or.us , rodney.k.therriault@state.or.us , david.cutting@co.lane.or.us
Phone Number:	503-623-0704
Mailing Address:	

Section III. Detail Project Information –*Answer all questions*

A. Overview

1. Describe what the project is trying to accomplish.

Project will be used to improve performance of ESRI ArcMap software environment. This will improve conversion process for users of ArcMap software for both the conversion of taxlots and the production of ORMAP compliant taxmaps. The proposed tool enhancements are designed to increase the efficiency of production processes thereby reducing the overall costs to ORMAP for meeting Goal 6 for counties using ESRI software. In addition, the shared development effort and resulting tools improves long term maintenance processes for counties having achieved Goal 6.

2. Does this project relate to any previous ORMAP-funded projects? If yes, please explain.

This project builds on previous successful grants for software development by the ORMAP ArcMap user group.

3. What is the status/outcome of the previous ORMAP-funded projects? (Please include contract numbers and a status map.)

The Tools committee has recently released Version 2 of the software. The project was completed on schedule and on budget.

B. Project Design – Current Proposal

1. Identify the ORMAP and the regional/county goal(s) that this project addresses.

This grant will be used to improve tools to assist counties in reaching to reach Goal 2 & Goal 4 building on Version 2 software recently released. Our goal is to enhance the ESRI software to meet the needs of Oregon Mapping requirements.

2. Describe in detail your technical approach to the project (mapping methodology).

The participating counties are managing the shared software with an open software product called “SourceForge” that allows anyone to download the editor tools.. The current process for development is:

- a. User: Submits request to source forge.
- b. Developer: Works with user to develop a project specification sheet and identifies partner county to test software.
- c. Tools Group: Reviews the specification sheet and time estimate and approves project.
- d. Developer: Develops application.
- e. User: Software is tested and any required helps and user documentation completed.
- f. Tools Group: Based on review and testing results the group accepts software for next release.
- g. Integration: Tool integration completed by Clackamas County.
- h. Release: Made available as part of next release by Clackamas County programmers.
- i. Developer bills ORMAP for completed project. Specification sheet is included with bill.

3. Describe the project deliverables. (DOR will bill against these deliverables)

Application tools as described earlier

4. Will this proposal fund staff that is doing work other than ORMAP projects? If so, describe how the time and cost will be tracked for the different projects.

YES – programming staff at each county are made available to specific programs as needed.

5. Who will be doing the work (county staff, contractor, DOR staff, etc.)? Please define their role(s).

Programmers – Do programming work

GIS Staff – Assist with application developing, definition, design and testing.

Cartographer – Define and test tools

6. Define the role of the County Cartographer in the project.

Cartographers from multiple jurisdictions will participate in testing the software and will ultimately be the primary users of the software.

7. Describe the maintenance plan for this product.

Software will be maintained as open software by the user group. Enhancements are anticipated to assure that the software tools continue to operate with future ESRI software releases. In addition, enhancements are anticipated in response to continued requests from cartographers.

8. Will this comply with *Oregon Cadastral Data Exchange Standard*?

Yes

9. Describe where this project fits within the County’s overall mapping/GIS work plan.

Participating counties are in the process of remapping taxlots and in constructing tax maps that meet ORMAP technical specifications. These tools will make the construction and maintenance processes easier.

10. Provide a project timeline with milestones or phase-completion dates

These applications will be completed prior to December 31st, 2009 as each county integrates the project into their normal business process.

11. Does this project promote partnerships, if so, with whom?

This project is all about partnerships. Currently, four counties provide tools for development and approximately 10-15 counties use these tools.

12. Describe any innovations that will be utilized by this project.

This software is breaking new ground for both software development and application sharing.

13. Detail Costs (who is paying for what).

See cost breakdowns as identified previously

C. Quality Control

1. Who will be responsible for quality control?

The ORMAP ArcMap user group

2. Will county cartography staff review the deliverables?

Yes

3. Will there be a review by Department of Revenue cartography staff?

Yes

4. Describe quality control procedures.

See detail project plan for quality control review. (Attached) Typically, a user county will test software using existing county staff. The application will then be tested by an interested county. Upon acceptance the software will be available on the SourceForge website. Users may then download this software and provide feedback to the developers.

D. Data Availability

Identify this product's restrictions on data sharing or licensing issues.

None – Any user that has ArcMap software can download this software from a software server free of charge.

E. Background Information

Any other information that you feel may help support the project. Please attach an updated copy of your county's ORMAP business plan if it has not been updated on the ORMAP website.

Software distribution is managed using Sourceforge. Documentation, project plans and software may be downloaded from this site.

G. Other Issues - Please identify.

All project specifications sheets, a sample of which is attached, may be downloaded as well as the software tools themselves from the SourceForge web site.

Submit completed forms to:

Mail	Contact Information
ORMAP Project Coordinator Oregon Department of Revenue Property Tax Division - CDOT 955 Center St. NE Salem OR 97301-2555	Tel: 503-945-8493 Fax: 503-945-8737 or.map@state.or.us

PROJECT SPECIFICATION

ORMAP ESRI USER GROUP

TOOLS COMMITTEE

DRAFT – 7/30/2008

* INTRODUCTION (Complete before review)

County: Lane Date Submitted: 7/30/2008
Contact: Nick Seigal Work Estimate(hrs): 60
Phone: (541) 682-6733 Enhancement: X BugFix: __
E-mail: nseigal@lcog.org Edit Tools: X Map
Prod. Tools: _____

Project Name (short 10 word description ie: adding annotation hooks)

Settings interface enhancements.

Justification (why do it):

1. When editing ORMAP editor extension settings, it is possible to enter invalid values (e.g. not just incorrect, but of the wrong format). There is currently no validation on the settings input fields.
2. When importing these settings using the Import button the user needs more flexibility to load from settings files with different names (e.g. DOR users could load files for different counties).
3. The settings window also needs an Export button which allows users to save settings configurations and share them with other users.

Brief Deliverable Overview (proposed solution):

1. Validation will be added to the input fields on the ORMAP Taxlot Editing Settings window to notify the user when invalid entries have been made.
2. Importing functionality will be enhanced to allow the user to load settings files with different names and from different file system locations.
3. Exporting functionality will be enhanced to allow the user to save settings files with different names and to different file system locations.

* REQUIREMENTS (Complete before review)

Current Process Summary (how does it work now):

1. When entering settings the user can enter any string. Invalidly formatted values are not blocked in any way. This may result in application errors.
2. To import settings, users must place a file with a specific name in a specific folder before clicking the Import button.
3. There is no Export functionality at this time. The user can export the settings by finding the location of the saved settings file within their user profile folders and copying it to another location. This is the current way to provide the file to other users for the purpose of importing.

Desired Process Summary (how should it work):

1. When entering settings the user can enter any string. Invalidly formatted values will be flagged with an icon and the Save option on the window will be disabled. This will prevent application errors arising from improperly formatted values.
2. To import settings, users click the Import button. This will open a file system Find window which will allow the user to load a settings file with any name (*.settings) and from any folder. The file will be validated upon load.
3. To export settings, users click the Export button. This will open a file system Save As window which will allow the user to save a settings file with any name (*.settings) and to any folder. This will be the new recommended way to provide a settings file to other users for the purpose of importing.

Assumptions/Constraints:

***DESIGN (Complete before review)**

Start State:

Initial settings are set to defaults or changed manually.

End State:

Valid settings are set or imported or exported.

Inputs:

Valid settings files.

Outputs:

Validated settings files.

Process:

See *Desired Process Summary* above.

User Interface:

The existing Settings window with additional validation feedback plus a new Import (find) window and a new Export (save as) window.

****COMMITTEE REVIEW (Only For General Release Tools)**

Approval Date: _____ Refined Time

Estimate(Hours): _____

Priority: __ critical __ non-critical Approved ORMAP funding:

Assigned Programmer: _____

Programmer Phone & Email: _____

Help File: _____

Testing County: _____

Comments:

****WORK PROCESS (Only For General Release Tools)**

Initial Programming Completion Date: _____

Comments:

User Testing Completion Date: _____

Comments:

Review Completion Date By the Committee: _____

Comments:

Accepted For Next Release Date: _____

Comments:

User Documentation Completion Date: _____

Comments:

*Complete before committee review (Note: even if tool isn't planned on ever being added to the main trunk add the tool as a feature request to source forge and attach this document).

1. Introduction
2. Requirements
3. Design

**Complete for tools to be added to the next release or main trunk of source forge.

****WORK PROCESS**

Initial Programming Completion Date:

Comments:

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Comments:

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Comments:

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Comments:

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Comments:

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