

ORMAP Grant Application

Section I. County and Grant Information			
A. County: Clatsop		B. Funding Cycle: Spring 08	
C. Project will help meet ORMAP Goal(s): 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 X 5 <input type="checkbox"/> 6 <input type="checkbox"/>		D. Fund Request: \$15,264	
Section II. Summary of Project			DOR Assessment
A. Brief Overview of the Request.			<input type="checkbox"/> Pass <input type="checkbox"/> Fail
<p>Clatsop County is seeking \$15,264 to do map accuracy improvement, post conversion review, and editing for T8N10W after conversion to the new ESRI ArcMap data structure in a SQL database environment. Upon conversion this township had several control problems. Our plan is to improve the control in this area in conjunction with conversion of our data to the new data structure.</p>			
Scope and Deliverables			
Check	Deliverables	Brief description of the deliverables	
<input checked="" type="checkbox"/>	Taxlot Conversion	4,507 taxlots	
<input type="checkbox"/>	Tax Map Conversion		
<input checked="" type="checkbox"/>	Control Points	50	
<input type="checkbox"/>	Scanning		
<input type="checkbox"/>	Reports		
<input type="checkbox"/>	Development		
<input type="checkbox"/>	Other Assistance		
<input type="checkbox"/>	Other Deliverable		
<input type="checkbox"/>	Hardware/Software		
B. Timeline (funding not to exceed one year from award date)			
July 2008-June 2009			
C. Costs of Total Project (add lines as necessary)			
Deliverable	Number of Items	Cost per Item	Total Cost
Control Points	50	\$50/point	\$2,500
Taxlots (This cost is so low because the adjustments will probably be minor and existing line work and annotation will be used.)	4,507	\$2/taxlot	\$9,014
Technical Support (The county will provide an additional 50hrs of in-house support, for a total of 100 hours.)	100 hours	\$75/hour	\$7,500
20 Government Corner & Primary Control Points (The county will pay for this.)	20	\$200/point	\$4,000
D. Partnerships and Contributions (add lines as necessary):			
Partner	Contribution		
Clatsop County	GPS Equipment		
Clatsop County (20 Government Corner & Primary Control Points - \$200/point)	\$4,000		

Clatsop County (50 Hours Technical Support - \$75/hour)	\$3,750
A. Assessor's Signature & Date:	<i>See File Copy</i>
F. Fiscal Coordinator – Name & Contact Number:	Sandy Meshke – (503)-325-8565
G. Project Coordinator – Name & Title:	Krysta Hess – GIS Coordinator / Analyst
E-mail address:	Khess@co.clatsop.or.us
Phone Number:	(503)-338-3754
Mailing Address:	800 Exchange, STE 300 Astoria, OR 97103

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

A. Overview

1. Describe what the project is trying to accomplish.

This project will be used to review converted (from the current ESRI coverage data structure into the new ArcMap geodatabase in SQL Sever) taxlots and to improve accuracy of the taxlots in T8N10W for a total of 4,507 taxlots.

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

Clatsop County's Spring 2007 ORMAP grant funded the development of a QA/QC test specifications tool that will be incorporated with this project. This project will be used to place the QA/QC project into a production environment and to also convert taxlots into the SQL software previously purchased using an ORMAP grant. Clatsop County will apply the QA/QC tests prior to editing maps and after editing maps. This will be a very good test of the QA/QC procedures previously developed. This project also relates to the remapping of water features funded by ORMAP.

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

Contract 1802 – The employee who was designated to complete the QA/QC specification tool has left the county, so Clatsop County is now working with Dean Anderson to develop this tool. The project is in process and should be complete by June 30, 2008.

B. Project Design – Current Proposal

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

One of the primary goals of Clatsop County and our region is to develop consistent maps that meet state accuracy standards. This project will assist the county in increasing the percentage of maps completed to the current ORMAP Technical Specifications (increase above 85%). This township has not met accuracy standards for ORMAP due to lack of control. The County goal is to place all county GIS data into a shared ArcMap database environment.

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

- a. Review existing COGO work of all recent plats and identify potential control points: Existing Plats will be automated using Coordinate Geometry software or restored from archive (1994-2006). Potential control points will be identified for plats. Plats will be placed by Survey/GIS/Cartographer.
- b. Field locate needed control points: The Surveyor will locate corners in the field. Corners will be flagged and maps prepared.
- c. Establish coordinates for control points: Under the County Surveyor, will locate additional corners to sub-foot accuracy using real-time GPS.
- d. Update Control and Edit missing converted data: The existing map will be reviewed and modified to the new control and any missing annotation of problems created by the conversion will be fixed.
- e. Integrate: Fit the new study area into the existing map.

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

4,507 taxlots in T8N10W in an ArcMap SQL geodatabase.

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.

No. This proposal will fund a temporary position at Clatsop County and contractor.

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

- County Survey/GIS/Cartographer: The team will review existing COGO work of all recent plats and identify potential control points. Existing Plats will be automated using Coordinate Geometry software or restored from archive (1994-2006). Potential control points will be identified for plats. Plats will be placed by Survey/GIS/Cartographer.
- County Surveyor: The Surveyor will locate corners in the field. Corners will be flagged and maps prepared. The surveyor will also establish coordinates for control points by locating additional corners to sub-foot accuracy using real-time GPS.
- County Cartographers will update control and edit missing converted data. The existing map will be reviewed and modified to the new control and any missing annotation of problems created by the conversion will be fixed.

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

The County Cartographers will review existing COGO work of all recent plats in T8N10W and identify potential control points. They will also update control and edit missing converted data. The existing map will be reviewed and modified to the new control and any missing annotation of problems created by the conversion will be fixed.

7. Describe the maintenance plan for this product.

Clatsop County has a complete maintenance system for control maps. Clatsop County is also collaborating with several other counties to migrate to a new generation of map maintenance project from ESRI.

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.

The county is in the process of converted to the new Parcel Model developed by the ESRI ArcMap user group. This project will also improve accuracy in an area that had poor control in the existing mapping project.

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

Taxlot Conversion - July
Map Review – July-August
Survey Work – August – January
Taxlot Update – January-March

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

This project will help improve Clatsop County’s mapping accuracy, which will help promote partnership with the state, other ORMAP counties, as well as improve collaboration within the county. Maps that meet the current ORMAP Technical Specifications will assist Clatsop County and urban communities’ many issues (Growth, Economic Development, Annexations, etc..) more cost effectively.

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

County will use new ArcMap conversion tools and new quality control tools under development. This project will also demonstration how the QA/QC tools can be used to measure improvements in the Taxlot map.

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

Control Work – Surveyor (GRANT)
Map Editing – Temporary Cartographer (GRANT)
PLSS Control – Surveyor (COUNTY)
QA/QC – County Cartographer (COUNTY)

C. Quality Control

1. Who will be responsible for quality control?

County Cartographer, County Surveyor, and County GIS staff.

2. Will county cartography staff review the deliverables?

Yes

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

If and when requested.

4. Describe quality control procedures.

- Closure will be recorded and saved for all surveys entered.
- New automated QA/QC tools will be used that are currently under development by Clatsop County.

D. Data Availability

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

The county has a data license that data users must sign. Data is shared with other public partners at no cost and is provided to anyone else for a small fee.

E. Background Information

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

Business Plan filed on-line with ORMMap

G. Other Issues - Please identify.

None

Submit completed forms to:

Mail	Contact Information
ORMMap 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