

ORMAP Grant Application

Section I. County and Grant Information			
A. County: Coos County		B. Funding Cycle: Spring 2009	
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: \$ 89,705	
Section II. Summary of Project			DOR Assessment
A. Brief Overview of the Request.			<input type="checkbox"/> Pass <input type="checkbox"/> Fail
<p>Coos County is requesting \$89,705 to begin Phase 9 in Project Area #3. Phase 9 will focus on having our vendor COGO 4,288 parcels (262 maps) at a cost of \$20.92 per parcel. The area consisting of 4,288 parcels northeast of Coos Bay and Coquille was selected to convert as the next area.</p> <p>The GPS points gathered in Phase 1 from the Fall 04 Grant and thereafter will be used to establish the control network Coos County needs to begin the ninth phase in Project Area #3. The Contractor will re-map the Assessor's maps using coordinate geometry based on the control network, filed surveys, deeds, etc. The COGO of these 4,288 parcels will meet the ORMAP Technical Specifications. Assessment will contribute the in-kind match of two Cartographer's time to check the Contractor's work.</p>			
Scope and Deliverables			
Check	Deliverables	Brief description of the deliverables	
X	Taxlot Conversion	4,288 parcels representing 10 % of the County	
X	Tax Map Conversion	262 Maps representing 13 % of the County	
<input type="checkbox"/>	Control Points		
<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)			
This portion of the COGO work to be contracted out will begin in April of 2009 and conclude by December 2009.			
C. Costs of Total Project (add lines as necessary)			
Deliverable	Number of Items	Cost per Item	Total Cost
COGO parcels and the produce 262 finalized maps by Contractor	4,288 parcels	\$20.92	\$ 89,705
			\$100,155
D. Partnerships and Contributions (add lines as necessary):			
Partner	Contribution		
Coos County	\$10,450 for in-kind matching time		
Coos County Surveyor	\$32,510 to collect an additional 150 GPS points.		

Coos Forest Protective Association	Review and share data
Coos-Curry Electric Coop	Review and share data
Coquille Indian Tribe	Review and share data
A. Assessor's Signature & Date:	
F. Fiscal Coordinator – Name & Contact Number:	Adam Colby, Assessor (541) 396-3121 ext 275
G. Project Coordinator – Name & Title:	Laurie Burke, Chief Cartographer
E-mail address:	ccaogismap@co.coos.or.us
Phone Number:	(541) 396-3121 x483
Mailing Address:	250 N Baxter Coquille, OR 97423

Section III. Detail Project Information –Answer all questions

A. Overview

1. Describe what the project is trying to accomplish.

This is Phase 9 in Project Area #3. Phase 9 will focus having our vendor COGO 4,288 parcels (262 maps) at a cost of \$20.92 per parcel. The area consisting of 4,288 parcels northeast of Coos Bay and Coquille 23S10W, 23S11W, 23S12W, 23S13W, 24S10W, 24S11W, 25S09W, 25S10W, 25S11W, 26S09W, 26S10W, 26S11W, and the southern half of 26S12W was selected as the next area in the project.

This phase of the project will accomplish the finalization of 1,008 maps by using Coordinate Geometry to re-map a total 34,503 parcels from surveys. It also utilizes the control network from Phase 1 and subsequent GPS to give us the accuracy needed to meet the ORMAP Technical Specifications in Project Areas # 1, 2 and 3.

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

Yes, this project is the 9th phase in Project Area # 3. The 1st phase was to gather the GPS points in order to establish a control network and lend accuracy to the 2nd, 3rd, 4th, 5th, 6th, 7th, 8th and 9th phases of re-mapping each parcel using coordinate geometry from filed surveys, unrecorded surveys, BLM dependent and independent surveys, plats, deeds, as-builts and any other information that will lend documentation for this remapping project.

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

This project is still in progress with this phase due to be finished by December 2009. To date the Coos County Surveyor's Office has finished collecting the GPS points they needed for Project Area #1, #2 and #3. The second phase was delayed until a Cartographer was hired to replace Betsy Smith. Recently our contractor completed the eighth phase of this project.

#1304 (fall 2004) Parcel Manager training completed and 60 GPS points billed.

#1305 (fall 2004) 55 GPS points completed and billed 230 points set

#1364 (spring 2005) COGO completed 09/10/06

- #1559 (spring 2006) COGO completed 6/30/07
- #1759 (fall 2006) COGO completed 06/30/07
- #1804 (spring 2007) COGO completed 12/30/07
- #1805 (fall 2007) COGO completed 6/30/08
- #1924 (spring 2008) COGO complete 11/30/08
- #2210 (fall 2008) COGO completed 1/04/09

B. Project Design – Current Proposal

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

This project addresses ORMAP Goal 4, moving the county towards 70% of its taxmaps meeting the ORMAP Technical Specifications. It also addresses regional goals to edge match with neighboring counties because the higher accuracy maps will be much easier to join. The initial coordination has already taken place between Douglas County and Coos County to match the County boundaries. The eight townships in this phase that are on the border with Douglas County will be edge-matched with the Douglas County parcels. This project addresses the ORMAP goal to ultimately obtain 100% of tax maps meeting the technical specifications. Approximately 18% of the parcels for this Phase are along the county boundary

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

Coos County's approach to this project is as follows:

The GPS points and control network for Phase 1 of Project Areas #1 and 2 were concluded in May of 2005 and are not part of this specific grant application.

This portion of the COGO work to be contracted out will begin in April of 2009 and conclude by December 2009. The Contract will require the use of GeoMedia Professional and Parcel Manager Software to COGO each parcel within the control network established by Phase 1 and to create, correct and finalize 262 maps as designated in Phase 9 in Project Area # 3.

- a. Have Contractor continue to COGO the Urban and adjacent areas in Project Area # 3 Phase 9 which consists of 4,288 parcels and 262 maps. The Contractor will use the GPS and NGS points collected by the Surveyor's Office to improve the GCDB as their control network in which to base the Coordinate Geometry work. Currently there are over 1,190 GPS and NGS points used for control on this project. The Contractor will use GeoMedia Professional and Parcel Manager Software to COGO each parcel.
- b. Once the parcels have been COGO'd, the Contractor will re-position all text and other features adhering to the Cartography standards as set by the Dept. of Revenue, Cadastral Information Systems Unit to create an accurate and aesthetically pleasing assessment map.
- c. For each map, a plotting shape will be created or corrections made to the current shape to ensure the proper boundary for the assessment maps.
- d. Each current map layout will be brought in and changed accordingly (all layouts have already been created) for each map.
- e. Each map will be checked for errors by the Contractor and corrected. Then a copy will be given to the Coos County Cartographer's for a 2nd check. Once the corrections are made, the map will be finalized as meeting the technical specifications.

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

The deliverables will be 4,288 parcels on 262 Assessment Maps that meet the current ORMAP Technical Specifications.

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 other work will be done.

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

The Contractor will COGO 4,288 parcels and deliver 262 maps while the two County Cartographers will check the work of the Contractor.

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

The County Cartographer and Integrated Desktop Solutions are responsible for planning the areas to be converted. The Lead Cartographer is responsible in making sure the Contractor stays on schedule and for checking the work to ensure that it meets standards.

7. Describe the maintenance plan for this product.

Maintenance for this project specifically includes checking each map for errors by the Contractor who COGO's the map and then a 2nd check by the Coos County Cartographers. Future maintenance consists of the regular map maintenance from deeds filed, surveys filed, etc.

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

Coos County's original digitizing project done a couple of years ago through ORMAP helped to obtain some of the criteria set forth in the Data Exchange Standards such as the Design Issues, Conceptual Framework, ORMAP components, etc. With Phase 9 of this current project we will be conforming to the Oregon Cadastral Exchange Standard.

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

This is project area # 3 out of the 4 project areas planned over the next 2 years. As part of this Phase Coos County will edge match with Douglas County in 8 townships. By completing projects 1 - 4 the Cartographers anticipate the edge matching to go smoothly and will be 40% done by December 2009. The parcels in each new township are edge matched with those in completed townships.

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

May 2006 through September 2006: The Contractor converted 4,658 parcels using COGO and completed 63 assessment maps. (Completed)

Phase 3 in Project Area 1:

September 2006 through December 2006: The Contractor converted 5,451 parcels using COGO and completed 77 assessment maps. (Completed)

Phase 4 in Project Area 2:

December 2006 through June 2007: The Contractor converted 4,950 parcels using COGO and completed 80 assessment maps. (Completed)

Phase 5 in Project Area 2:

June 2007 through December 2007: The Contractor converted 5,935 parcels using COGO and

completed 190 assessment maps. (Completed)

Phase 6 in Project Area 3:

December 2007 through April 2008: The Contractor converted 5,255 parcels using COGO and complete 116 assessment maps. (Completed)

Phase 7 in Project Area 3:

April 2008 through December 2008: The Contractor converted 2,575 parcels using COGO and completed 118 assessment maps.

Phase 8 in Project Area 3:

November 2008 through January 2009: The Contractor converted 1,392 parcels using COGO and completed 131 assessment maps.

Phase 9 in Project Area 3:

April 2009 through December 2009: Have the Contractor convert 4,288 parcels using COGO and complete 262 assessment maps.

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

The Surveyor's Office worked with the BLM by providing GPS Control to improve the accuracy of the GCDB. The Assessor's Office is working closely with the Surveyor's Office to establish the location for additional GPS control to ensure that the new maps meet ORMAP Technical Specifications. The Coos Forest Protective Association gets our parcel layer and assessment data and reviews the entire county and works with us to correct any errors. Coos-Curry Electric Coop, the Coquille Indian Tribe and the County Planning Department all utilize the parcel data and provide the Assessment Office with additional information and updates.

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

There are no new innovations being utilized in this project. Coos County and its contractor will be using proven mapping methodology that will meet or exceed the ORMAP Technical Specifications.

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

	<u>TOTAL COSTS</u>	<u>ORMAP\$</u>
<u>Phase 1 Project Area #1&2</u>		
115 GSP points collected funded by ORMAP	\$ 46,000	\$ 46,000
115 GPS points matched by Coos County Surveyor	\$ 46,000	
Parcel Manager Software training	<u>\$ 2,400</u>	<u>\$ 2,400</u>
Phase 1 total (fall 2004 Grant)	\$ 94,400	\$ 48,400
 <u>Phase 2 Project Area #1</u>		
COGO re-mapping @ \$12.74/parcel contracted out	\$59,340	\$59,340
COGO re-mapping @ \$12.74/parcel in-house	<u>\$8,867</u>	
Phase 2 total (spring 2005 Grant App)	\$68,207	\$59,340
 <u>Phase 3 Project Area #1</u>		
COGO re-mapping @ \$12.74/parcel contracted out	\$69,445	\$69,445
COGO re-mapping @ \$12.74/parcel in-house	<u>\$8,867</u>	
Phase 3 total (spring 2006 Grant App)	\$78,312	\$69,445
 <u>Phase 4 Project Area #2</u>		

COGO re-mapping @ \$12.74/parcel contracted out	\$63,063	\$63,063
COGO re-mapping @ \$12.74/parcel in-house	<u>\$8,281</u>	
Phase 4 total (fall 2006 Grant App)	\$71,344	\$63,063
<u>Phase 5 Project Area #2</u>		
COGO re-mapping @ \$13.38/parcel contracted out	<u>\$79,392</u>	\$79,392
Phase 5 total (spring 2007 Grant App)	\$79,392	\$79,392
<u>Phase 6 Project Area #3</u>		
COGO re-mapping @ \$13.38/parcel contracted out	<u>\$70,312</u>	\$70,312
Phase 6 total (fall 2007 Grant App)	\$70,312	\$70,312
<u>Phase 7 Project Area #3</u>		
COGO re-mapping @ \$15.27/parcel contracted out	<u>\$39,320</u>	\$39,320
Phase 7 total (spring 2008 Grant App)	\$39,320	\$39,320
<u>Phase 8 Project Area #3</u>		
COGO re-mapping @ \$20.92/parcel contracted out	<u>\$29,118</u>	\$29,118
Phase 8 total (fall 2008 Grant App)	\$29,118	\$29,118
<u>Phase 9 Project Area #3</u>		
COGO re-mapping @ \$20.92/parcel contracted out	<u>\$89,705</u>	\$89,705
Phase 9 total (spring 2009 Grant App)	\$89,705	\$89,705
TOTAL FISCAL AMOUNTS	\$620,110	\$548,095

C. Quality Control

1. Who will be responsible for quality control?

Coos County Cartography Dept. will be responsible for quality control.

2. Will county cartography staff review the deliverables?

Yes

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

No, we now have two qualified Cartographers on board who will be doing the checking.

4. Describe quality control procedures.

The cartographers, to ensure that all standards are being met, will review each map as it is returned from the Contractor. A random sampling of 20% of the taxlots on each map will be checked against the recorded legal description. The files that are created when the taxlots are COGO'd will have a traverse file imbedded in the database for every survey. This file is created using GeoMedia Parcel Manager. Coos County is using this program and we will be able to review the COGO work as it is completed by comparing the completed COGO'd surveys with the scanned surveys. The traverse file shows the error of closure, thereby allowing for a quicker review of the taxlots. We will review the closure on 100% of the taxlot files. Aerial photos will also be used in the review process to check physical features such as river locations. Coos County will also check the maps for text errors and other line-work feature errors to make sure the entire map meets Dept. of Revenue standards.

D. Data Availability

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

None at this time.

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.

The current ORMAP business plan is on File. The staff in the Assessor's Office has been reduced over 30% during the past two years. One of the Cartographers was bumped by a Planner who had previously worked nine years ago as a Cartographer resulting in time spent retraining. This plus cuts in the last two of our grant requests have put stress on our staff who must maintain two sets of data for the duration of an ever increasing timeline.

G. Other Issues - Please identify.

Map of Project Areas #1, #2 and #3 submitted in grant.







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

Coos County

Goal 4 Project Areas

Legend

-  Area 1 Parcels 10,109
-  Area 2 Parcels 10,885
-  Area 3 Ph 6 Parcels 5,255
-  Area 3 Ph 7 Parcels 2,575
-  Area 3 Ph 8 Parcels 1,392
-  Area 3 Ph 9 Parcels 4,288

February 12, 2009

