

# Interim Report

**Date: 1/31/11**

**Agreement Number: G10AC00207**

## **Project Title: Best Practices for Road Centerline Data Sharing in Oregon**

**Organization:**

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**Collaborating Organizations:**

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We've assessed and documented the state of road centerline development and data sharing in Oregon as of June, 2010:

ODOT has delivered a preliminary dataset to GEO for public distribution, includes:

- Benton Co, Clatsop Co, Jackson Co, Josephine Co, Linn Co, Polk Co, ODOT, BLM (including USFS)
- Other road authorities (PSAP/Counties) not included as a result of agreement process breakdown

**Observations:**

- Two kinds of inconsistency: populated area due to County/PSAP issue; rural/resource areas "checkerboarding" due to ownership determination issues
- Addressing "agreement process breakdown" may improve data quality in populated areas but will leave holes and checkerboard pattern in rural/resource areas.
- Resolving "checkerboarding" may require a change in project focus from current project approach (determine ownership, obtain data from owner, insert data into db) to something more results oriented – perhaps a "best available data model"?

- Involvement (buy in) from road authorities appears to be minimal
- That portion of agreement point negotiation requiring person to person meetings has not occurred
- The FHWA Pooled Fund check out/in project will not work in Oregon until road authorities are engaged in the process

The plan to move forward (anticipated actions)

- Continue existing work (primary: ODOT)
- Review, revise and refocus existing ODOT project plan to focus on resolution to PSAP/county & rural “checkerboarding”. (Primary: GEO, Assistance: ODOT/OEM)
- Review, revise and update road authority db. Establish authoritative contacts (Primary: GEO)
- Establish communication with key PSAP/Counties. Demonstrate project, establish data sharing agreement, facilitate data sharing, facilitate agreement point discussions (Primary: GEO, Assistance: OEM, others?)
- Establish communication with key rural/resource area road authorities including private entities. Demonstrate project, establish data sharing agreement, facilitate data sharing, facilitate agreement point discussions (Primary: GEO, Assistance: USGS)
- Assess FHWA Pooled Fund check out/in project.

Questions:

- Where is logical location for an Oregon instance of the FHWA Pooled Fund portal?
- How will it fit into current enterprise environment?
- What are ongoing license costs?
- And more...

(Primary: ODOT/OE, Assistance: GEO/WashDOT)

Our current efforts are focused in three areas:

1. Rural/resource area checkerboarding:

We’ve conducted a series of meetings with GEO, ODOT, USGS, BLM and USFS. Rural/resource lands in Oregon are predominately owned by either USFS or BLM and both agencies have extensive road centerline efforts. Existing cooperation between these two agencies and ODOT has been minimal and generally a one-way information flow (from the federal agency to ODOT). We’ve been exploring opportunities make the data flow work both ways (USFS is very interested in some of the attribute data that ODOT tracks) as well as methods to formalize, streamline or potentially automate the data exchange. Much remains to be done but we have established conversation and find all parties committed to establishing a process that may reduce parallel efforts.

2. Data sharing agreements with Counties/PSAPS:

As with the rural/resource effort, we’ve conducted a series of meeting with process stakeholders (GEO, ODOT, OEM and a private contractor – GeoSolve, Inc). We’ve found that documenting the situation and moving forward has been difficult. OEM’s primary concern is fostering road centerline development and data sharing for the PSAPs but resource (funding and staffing levels) make it difficult for them to reach beyond this to participate in efforts to make the data sharable in the public domain. ODOT has a nominally complete road centerline dataset but is unable to share it beyond their agency. To date we have crafted a data sharing agreement that allows PSAPS to agree to either 1) share their data with other PSAPS only, or 2) share it in the public domain. ODOT and GEO are cooperatively funding GeoSolve, Inc to present the agreement to PSAPs and obtain signature. We currently have four signed agreements and all four have opted for the public domain option.

3. Establishment of the FHWA Pooled Fund portal in Oregon for dissemination of the road centerline data:

GOE and ODOT have entered into an agreement with Oregon State University to assess and deploy the aforementioned portal at the Oregon Explorer website.

No assistance is needed at this time

Timeline:

Activities 1 and 2 have required much more effort than anticipated and much remains to be accomplished. Activity 3 is progressing according to our anticipated schedule but is dependent on the previous activities. At this time we anticipate that we will require an extension of the original July 29, 2011 end date. We will follow up shortly with a revised timeline and proposed end date.