Oregon Geospatial Enterprise Office
GIS Preparedness-FIT 11/07/12
ODOT Region 2 - 455 Airport Road, Building E Conference Rm

Attending: Micah Babinski (Multnomah Co), Milt Hill (GIS Framework Coordinator, DAS), Steve Jett (Innovate!), Kevin Pearson (ODOT), Don Pettit (Prep-FIT Chair, DEQ), David Pray (DEQ), Philip Smith (ODOT), Rachel Smith (DOGAMI), Ken Hill (OMD), Dave Gulledge (SFM)

Call-in: Ed Arabas (DAS), Sean McSpaden (DAS)

1:30 Commence

Introductions
Don Pettit's opening remarks included a request for assistance with Prep-FIT leadership; the data catalog and mapping templates are needed; and announced the continued interested in understanding how best to expand this work group.

RaptOR
Sean McSpaden's (Deputy CIO, DAS) involvement in the RaptOR project began with the Virtual USA pilot that provides Oregon an investment and planning tool. Today's report is on the current project status and the path forward. The current RaptOR application uses ESRI software with access to a series of Adobe Flex widgets within a web GIS tool. Its access is through an open source geo-portal similar to deployments in neighboring Washington and California.

RaptOR is currently housed at DAS SDC and may share access to its REST services with other jurisdictions across country as needed. The system is robust but requires lifecycle maintenance. OEM has deployed a redundant system that requires an ongoing synchronizing, data caching and update strategy. Current migration from Adobe Flex 2.5 to flex 3 and ArcGIS 10 to 10.1 is in progress. Recently demonstration of RaptOR's collaboration capability was demonstrated through RaptOR consuming bridge mark ups from a similar deployed framework for planning initiatives by Multnomah County. Current development work includes improving interoperability, providing an Area of Concern tool within raptOR. The systems need similar functionality and use of the same core data. This work is underway at University of Oregon with Ken Kato where beta iRaptor was deployed for the recent summer olympic trials. This application will move from beta to production as the statement of work is revised over the next few weeks.

Work is underway with OEM for inclusion on damage assessment tool within iRaptor as well. There is a current need for iRaptor iPad testers for both open and secure versions. Both versions have the same SDK. If there is interest within this group, or individuals to have access that may be coordinated through Sean McSpaden and Director Plottner.
Statewide Broadband Mapping Project

Ed Arabas (Sr Policy Analyst, DAS CIO) advised the group on partnering opportunities related to broadband service availability initiative. Current project may yield an opportunity to connect data with service providers, their technologies and identify quality anchor institutions (ie. schools, hospitals and government facilities). This could be an appropriate partner opportunity as Prep-FIT recognizes emergency facilities category as important data while HSIP accuracy is being evaluated and feedback communicated back to Homeland Security. Currently there is work underway surrounding spatial and temporal quality of HSIP anchor database. Ed seeks discussion on working toward improving quality and communicating this data which benefit broadband, HSIP and Prep-FIT community. There is a working grant set up annually with staff hires this year.

Ken (OMD) stated concern on their awareness of limitations of HSIP Gold database – any thorough effort to verify accuracy of this data would be a sizeable undertaking. Ed Arabas recognized the observation – and pointed out that many features buildings are fairly static and this group can really help identify best way to depict feature- within the address repository and a data model that can handle it effectively. HSIP data has limitations in both accuracy and attributes and is also undergoing many revisions currently. Don Pettit advised looking at additional data sets to learn which may provide improved spatial accuracy or hold valued attribution. Recommend reach out across agencies and make inquiries for source data improvements. Micah Babinski expressed caution of using intern and temporary staffing for data refinement without providing a long term stewardship plan

Sean McSpaden stated that previously, the HSIP was a collection of DVDs and are now moving to REST service access so with that connection to over 400 HSIP Gold 2011 REST service connections provides many regional and state views of the data as packaged services; therefore quality and alignment of data are crucial. Steve Jett notes many more data sources available than during previous efforts. Don Pettit suggests convening a separate meeting soon to see how to move forward. Milt Hill will schedule a work group to get together and look at the overlap between what the group can accomplish and what Ed would like to complete.

Oregon Coastal Data Marine Network
Ed Arabas informed the group on the ongoing data cataloging efforts. Don relayed news of upcoming NOAA mapping efforts, which include Environmental Sensitivity Index maps and an Ocean Uses Survey to include various marine and near shore waters uses (crabbing, scuba, beach, etc.). Both efforts will kick off next year. New data is expected to become available over the next couple years.

Round Table

ODOT Emergency Mapping Templates

Kevin Pearson describes the ODOT Emergency Mapping templates project initiated about a year and a half ago. The process began with paper maps and working with Agency Operations Center (AOC) to collect information from a standardized map request form. The team now recognizes after the Great Oregon Shake-Out Exercise that the data will arrive in many forms and may not be reliably provided in a requested format.

Initially, the project created many simple base maps of city counties and highways for agency and interagency use. Each ArcGIS map contains a single table instance so that a single set of updates will update entire map series. Data input is sent to map display on the AOC wall screen. Data is managed at back end through an ArcMap document form with drop down boxes for all fields. An ArcGIS direct connect feeds the web map. After basics set up it is now becoming integrated with agency web map toolset as ODOT T-REX (Transportation Rapid Emergency X-plorer). The application is built on ODOT GIS web application framework (TransGIS) to provide consistency across agency internal GIS web applications.

The next steps may include investigating use of mobile applications as well as further removing GIS staff from direct data reporting and place that toolset into the hands of the incident operators. Still refining operational process, logistics and mapping workflows to improve efficiency of incident support. Lessons learned showed that next time they need to provide map products more immediately, even before the GIS group sets up equipment, data and formatting. The team better recognizes now that the request for map of impacted areas will come very quickly so they are rethinking initial deployment of paper maps to teams around the AOC.

Currently the maps use agency ORTrans as the base to show roads but not using a routable network. Don Pettit even cautions a bit about over automating with any routing tools and points out that already this tool shows outages and open roads. A staff in planning with ground knowledge can likely better provide route over automated routes tool. Kevin sees this as a useful tool within the AOC but not likely extended beyond that capacity where other mechanisms may already exist.

Closing
Stay connected with Prep-FIT actions at the Oregon GovSpace site.

4:15 Adjourn

Minutes respectfully submitted by

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