ODOT GeoMS

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GeoMS

Geotechnical Data Mgt. System

www.odotgeoms.org

“Beta” version advertised to external users in March

Serviced and Maintained by the University of Akron thru June 2015 (support by University Helpdesk)
Registration

- Previously registered Geotechnical DocMS (Falcon) users will have same credentials

- Guest option available

- Registration will be required in order to submit project data to GeoMS
GeoMS Components

- Document Mgt. System (Falcon)
- Geohazard Mgt. System (GHMS)
- EQuIS
  - Sample Planning Module/Drilling Request System
  - EDGE
  - EDP
- LIMS – Lab Information Mgt. System
Document Mgt. System

- 748,649 records for 19,207 projects (as of 4/26/13)

- Historical boring locations
  - Never updated to reflect revised route or sections
  - Information was placed in storage at ODOT Central Garage until pilot scanning project began in 2002
Georeferencing Project

Production phase began in June 2012

- 14 counties available via GIS map at odotgeoms.org
- 2 counties in review
- 6 counties in progress
- Initial focus is on counties with interstates and largest number of historical records
- Completion Date – December 2014
Geohazard Mgt. System (GHMS)

Components
- Rockfall
- Landslide
- AUMIRA / UVIRA

Review of initial inventory data

Inspection Phase – frequency based on severity of geohazard
EQuIS

GIS Map

Sample Planning Module/Drilling Request System – Internal ODOT Drilling Mgt. Tool

EDGE – Internal ODOT Field Data Collection Tool

EDP – Electronic Data Processor

Will be used by consultants to submit project information to GeoMS
GeoMS Demo

🔍 Search for example region:

🔍 Madison County – vicinity of I-70/US 42 interchange

🔍 Search for historical records and geohazard inventory information
MAD-70/42 Interchange
Select Boring

Borehole Location: 17835

Route:
Sec:
Station: 451+99.6
Direction: L
Boring_ID: R-93B
Conf: 4
Type:
## Search Results Provided

### Geotech-web - Search Results

<table>
<thead>
<tr>
<th>Options</th>
<th>Filename</th>
<th>County</th>
<th>Route</th>
<th>Section</th>
<th>Road Name</th>
<th>Project Type</th>
<th>Project Sub-type</th>
<th>Document Type</th>
<th>Document Sub-type</th>
<th>Location Name</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>77118-02p2-soil22.tif</td>
<td>CLA, MAD</td>
<td>70</td>
<td>0.00, 25.15</td>
<td>roadway</td>
<td>soil profile sheets</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Image of a search results page from a database with columns for Options, Filename, County, Route, Section, Road Name, Project Type, Project Sub-type, Document Type, Document Sub-type, and Location Name.*
Future Enhancements

- Revisions to GIS Map
- Close “Gap” in archives
- Help Documentation Specific to ODOT
- Integration with ODOT TIMS

Transportation Information Mgt. System
Questions?

Registration/Submission Issues:
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System Issues:
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