If you are reading this, then you are successfully seeing the webinar video. In addition to audio on the webinar, we have opened a phone conference line to allow attendees to listen and ask questions directly: **866-823-7699**. Please use either the webinar audio or conference line, but not both (will produce feedback).

Audio also available via phone: **866-823-7699**
For assistance, call: **814-865-5355**
Use Chat box to ask Questions

Participant phone lines will be muted until after initial presentation

Audio also available via phone: 866-823-7699
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DGRoads GIS Update
7/24/15

- Overview
- What's the holdup?
- Website and Logins
- Current Status
- Training and Implementation
- Demo
How does DGLVRP use GIS?

2014 Status Map:

- **Yellow**: Unfunded identified worksites: 14,160
- **Green**: 1997-2013 FUNDED contracts: 2,865
- **Red**: 2014 FUNDED contracts: 162

Audio also available via phone: 866-823-7699
## Old System

- **Local Install**
  - Permission issues
  - Outdated data
  - Data on CD harddrive
  - No remote access
  - Desktop only

- No overlapping sites

- No LVR support

## New System

- **Web Based**
  - Nothing to install
  - Live updates
  - Data on server
  - Access from anywhere
  - Offline and tablet mode

- Can overlap sites

- Includes LVRs

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What was the Delay:

– Not programming, but data related:
– 15,000+ miles of unpaved road
  and 16,000+ identified pollution worksites

All unpaved roads and worksites established from a PennDOT layer from min 1990s.
What was the Delay:

– Not programming, but data related:

Audio also available via phone: 866-823-7699
What was the Delay:

– Not programming, but data related:

Google and GPS roads

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What was the Delay:

– Not programming, but data related:

Google and GPS roads

Unpaved roads

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What was the Delay:

– Not programming, but data related:

• Custom program had to be developed to facilitate correction.

• Unpaved roads and worksites had to be **MANUALLY** corrected.

• Two interns hired to do the corrections.
What was the Delay:
– Not programming, but data related:

Audio also available via phone: 866-823-7699
What was the Delay:
– Not programming, but data related:

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Looks easy, right?

– One corner of Bradford County
Corrections Status:

– Unpaved roads 100% corrected
– Worksites 90% corrected

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Corrections Status:
- Unpaved roads 100% corrected
- Worksites 90% corrected
- Thank God for interns...
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• www.dirtandgravelroads.org

• New website released in June

Better Roads, Cleaner Streams

PA’s Dirt Gravel and Low Volume Roads (DGLVR) Program provides local road-owning entities with grant funding for road and environmental improvements on unpaved and low-volume paved roads.

More Info

WHAT’S NEW

Updated DSA Known Suppliers
An updated list of quarries and suppliers have been compiled from...

New Website Online
We are pleased to announce that the Center’s new website. Major changes and...

DGRoads Online GIS Update
The Center is expanding the online...

UPCOMING EVENTS

PACD/SCC Meeting
The Center will be present at the PACD/SCC Joint Annual Conference...

Webinar: GIS Update
Repeat of update given at the July 8 SCC meeting for those who could...

TRB LVR Conference
The Transportation Research Board’s (TRB) 78th Annual Meeting...

QUICK LINKS

GIS Application
ESM Course Registration
Technical Assistance
• www.dirtandgravelroads.org
• New website released in June
  – Site modernization of design/layout.
  – Mobile friendly.
  – No longer “separate” Center and Program pages
  – Complete update of site content
  – Inclusion of pages specific to each District.
  – Provision for secure GIS login.
Logins

- **Public:**
  - Statewide viewer only
  - Limited data

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Logins

• **Public:**
  – Statewide **viewer** only
  – Limited data

• **Conservation District**
  – Access to **edit** data within your county
  – Different levels of access: (admin only, projects only, all)
  – **Will receive login info at GIS trainings.**

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Logins

- **Public:**
  - Statewide viewer only
  - Limited data

- **Conservation District**
  - Access to edit data within your county
  - Different levels of access: (admin only, projects only, all)
  - Will receive login info at GIS trainings.

- **State / Administrative**
  - Access to edit statewide data

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DGRoads GIS Update
7/24/15

- Overview
- What's the holdup?
- Website and Logins
- **Current Status**
- Training and Implementation
- Demo
Overall Status

– Data Corrections 95% complete.
– Worksite functionality complete.
– Current work shifted to data entry forms.
– GIS “test group” in regular contact.

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Current Timeline

– Completed basic functionality (D&G + LVR worksite functions and data entry) by workshop (9/29).

– Trainings soon after workshop (potentially one before).

– Continue work on reporting, advanced features, and “bells and whistles”.

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Trainings: *(preliminary)*

- Likely October/November *(maybe one earlier)*

- Likely several around the state.

- Likely BYO laptop *(with a few loaners)*

Audio also available via phone: 866-823-7699
Trainings: (preliminary)
1-day sessions, 9am to 3pm

– ~9am to noon: GIS Walkthrough and Training with “dummy data”

– Lunch

– ~1pm-3pm: Enter your own sites in your own county (bring at least 5 of your projects to enter while we provide assistance)
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Old System

One of the biggest differences in the new system (aside from LVR functionality and being online) is the ability to overlay worksites in successive years. This required a new approach...
DGRoads GIS Update

NEW handling of worksites

- OLD: One worksite shapefile
- NEW: geodatabase of worksites

- Potential Worksite Layer
- Completed and contracted sites by year
  - Can turn individual years on and off.
  - Can edit projects in any year.
  - Will allow partial and complete overlaps of worksites.

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NEW handling of worksites

OLD: One worksite shapefile

NEW: geodatabase of worksites

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2004: stream crossing replacement

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NEW: geodatabase of worksites

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• Completed and contracted sites by year
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2009: pipes and underdrain

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NEW handling of worksites

OLD: One worksite shapefile
NEW: geodatabase of worksites

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  – Will allow partial and complete overlaps of worksites.

2015: Driving Surface Aggregate

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Old System

Roads

[Diagram of roads]
Old System

Unpaved Roads

Roads
Old System

Worksites

Unpaved Roads

Rods
Old System

Worksites

Unpaved Roads

Rocks

Note in reality shapes would overlap completely, expanded here for clarification
Old System

Worksites

Unpaved Roads

Roads

New System

Roads (with unpaved/LVR attributes)
Old System

- Worksites
- Unpaved Roads
- Roads

New System

- Potential Worksites
- Roads (with unpaved/LVR attributes)
Old System

- **Worksites**: Yellow
- **Unpaved Roads**: Red
- **Roads**: Black

New System

- **Active/Completed Worksites (by year)**: Green
- **Potential Worksites**: Yellow
- **Roads (with unpaved/LVR attributes)**: Black, Brown, Grey

2015, 2010
LVR Worksites will work the same way.

In fact, one of our problems is going to be...
Running out of useable colors for all the layers!