If you are reading this, then you are successfully seeing the webinar video. Webinar audio should be automatic through your computer, and options can be accessed in the “audio options” button on the bottom left. If you are having audio issues, or are in a location where listening via phone is preferable, audio is also available on the CDGRS conference line at: 866-823-7699.

For technical assistance, call: 814-865-5355
Note you can ask a question anonymously.
Pause a minute, step back, and look at the big picture of what is being done by the Program.

A lot of figures and stats coming up fast:
• Webinar recording and ppt slides available at www.dirtandgravelroads.org
• Printed Annual Summary Report available soon.
• ESM Trainings

• Project Spending

• Project Deliverables

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ESM Training Attendees per Year (*not including workshop*)

- 2013: 441
- 2014: 1,253
- 2015: 634
- 2016: 602
- 2017: 681
- 2018: 744
2019 ESM Trainings

- 3/26
- 4/2
- 4/24
- 5/8
- 5/21
- 7/10
- 10/8
- 10/30
- 10/8
- 10/30
- 10/23
- 11/19

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2019 ESM Trainings

For audio via phone: 866-823-7699
For technical assistance: 814-865-5355
ESM Trainings:
4/2-3: Northampton
4/24-25: Westmoreland
5/8-9: Susquehanna
5/21-22: Franklin
7/10-11: Lackawanna
8/21-22: Warren
9/4-5: Crawford
10/8-9: Tioga
10/23-24: Armstrong
10/30-31: Montour
11/19-20: Chester

Schedule is updated and registration is open for all courses at www.dirtandgravelroads.org
ESM Changes for 2019

• Major updates to “Surface Drainage” and “Surface Maintenance” to condense, update, and reduce repetition
• Minor updates to “Banks”, “Ditches”, “Off-ROW”, and “Streams”
• Incorporation of many new project pictures throughout
• ESM Trainings

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• GIS

– All Annual Reports done by Jan 25th

– Currently in System: $128 $160 million spent/committed
  • $98 $124 Million in completed projects (DnG & LVR combined)
  • $30 $35 Million in contracted projects (DnG & LVR combined)

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Contracts Completed in 2018:
262 Dirt and Gravel
168 Paved LVR
Contracts Completed since 1998:
4,300 Dirt and Gravel
530 Paved LVR
ASR Details

• # DnG Contracts decreased…but…
- LVR still rising, DnG was same as 2017
Hopefully...this is the reason for reduced project completion in 2018

and hopefully March-June 2019 is much drier!!!
• LVR still rising, DnG was same as 2017
LVR still rising, DnG was same as 2017

ASR Details

- DnG spending lower than expected
- LVR still rising, DnG was same as 2017
• Avg DnG contract increased 104% from 2015-2018
• Avg LVR contract increased 87% from 2015-2018
- Per mile grant spending increasing rapidly
- Standalone stream crossings are major factor (big $ in small site)
Dirt and Gravel: 389 Contracts, $24.3 million committed
Low Volume: 226 Contracts, $12 million committed

Currently Contracted: $36,300,000  (3/4/19)
Dirt and Gravel: 389 Contracts, $24.3 million committed

Low Volume: 226 Contracts, $12 million committed

Currently Contracted: $36,300,000 \( (3/4/19) \)

~ $15,000,000 of that is old money \( \text{(past 5-year agreement)} \)
Dirt and Gravel: 389 Contracts, $24.3 million committed
Low Volume: 226 Contracts, $12 million committed
Currently Contracted: $36,300,000  (3/4/19)
~ $15,000,000 of that is old money (past 5-year agreement)

116 Days
left to spend funds before June 30th
- DGLVR Admin spending increased 11% in 2018
- DGLVR Education spending increased 29% in 2018
• DGLVR Admin spending increased 11% in 2018
• DGLVR Education spending increased 29% in 2018
• 2018: CDs spent 7.6% on admin statewide (limit 10%)
• 2018: CDs spent 3.9% on edu statewide (limit 10%)
In-Kind

- Total contributions: $7.7 million in 2018
- Marked decrease from 2017
- 2018 averaged $0.34 in-kind for each Program Dollar.
SPENDING Take home points

- DnG Spending held constant in 2018
- LVR spending increased, finally hit “equilibrium”
- $36 million currently under contract ($15M is old money)
- 116 days left to spend old money before June 30th

Get busy!
Hope for good weather!
Call early for assistance!
• ESM Trainings

• Project Spending

• Project Deliverables

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Project Deliverables:

• **Purpose**: To provide a “quick summary” of some of the major deliverables reported by CDs

• More details will be included in written Annual Report.
Accuracy note:
Corrections are made each year, and some assumptions have to be made, so figures for many items may change over time.

We will be contacting CDs about updating errors, about 80 in all:

For example:
- One project reported 60 pipes installed. Was likely 2 pipes totaling 60 feet.
- One project reported 14 stream crossings installed. Was likely one 14’ diameter opening.

Also: deliverables include in-kind
Stream Crossings

- Decrease from 2017
- ~80 in 2018
- Wet year?

### Road/Stream Crossing Replacements

<table>
<thead>
<tr>
<th>Year</th>
<th>LVR</th>
<th>DnG</th>
</tr>
</thead>
<tbody>
<tr>
<td>2015</td>
<td>12</td>
<td>44</td>
</tr>
<tr>
<td>2016</td>
<td>24</td>
<td>51</td>
</tr>
<tr>
<td>2017</td>
<td></td>
<td>72</td>
</tr>
<tr>
<td>2018</td>
<td></td>
<td>51</td>
</tr>
</tbody>
</table>
Drainage Crosspipes:

- Similar to 2017 numbers
- More replacements than new on LVRs

**In 2018 alone:**

~4.4 miles of new pipe
~2.9 miles of pipe replaced

*(assuming 30’ avg length)*
Road Fill Added:

- Slight decrease from 2017
- Under-used in LVR

In 2018 alone:
Would cover the playing surface of a football field
146’ deep

<table>
<thead>
<tr>
<th>Year</th>
<th>LVR</th>
<th>DnG</th>
</tr>
</thead>
<tbody>
<tr>
<td>2015</td>
<td>18,501</td>
<td>195,270</td>
</tr>
<tr>
<td>2016</td>
<td>25,784</td>
<td>290,880</td>
</tr>
<tr>
<td>2017</td>
<td>24,428</td>
<td>400,719</td>
</tr>
<tr>
<td>2018</td>
<td>385,200</td>
<td>365,240</td>
</tr>
</tbody>
</table>
Road Fill Added:

- Slight decrease from 2017
- Under-used in LVR

In 2018 alone: 83 miles of triaxle trucks, bumper to bumper

### Road Fill Added (# Triaxles)

<table>
<thead>
<tr>
<th>Year</th>
<th>Triaxles</th>
</tr>
</thead>
<tbody>
<tr>
<td>2015</td>
<td>8,876</td>
</tr>
<tr>
<td>2016</td>
<td>13,222</td>
</tr>
<tr>
<td>2017</td>
<td>18,215</td>
</tr>
<tr>
<td>2018</td>
<td>16,602</td>
</tr>
<tr>
<td></td>
<td>17,500</td>
</tr>
</tbody>
</table>

ASR Details

Deliverables
Driving Surface Aggregate:

- Decrease from 2017
- In 2018:
  - ~56 Miles of road

In 2018 alone:
141,557 tons @ $25-$30 a ton = $3.5-$4.5 million on DSA
Trends: More fill than DSA 2nd year in a row!

The chart shows the comparison of DSA and Fill placed (tons) from 2015 to 2018. Fill has been consistently higher than DSA, with a significant increase in fill placed in 2017.
Paving (LVR Only):

- Minor expense

Note some of this was funded as in-kind
Deliverables Take Home:

• 81 less projects reported complete in 2018
• Most deliverables steady or down slightly
• Wet weather likely (hopefully) delayed completion of many projects
• Hope for a dry spring and early summer!
• Need help: ask early, going to be busy 4 months!
More details in 2018 annual report, available this Spring.

Let us know if you have any questions or suggestions for analysis of spending or deliverables.
Interested in compiling data like this and more for your county?

• You already have the power!
• Join tomorrow’s webinar for a walkthrough of data and analysis potentials already built into your GIS system.