

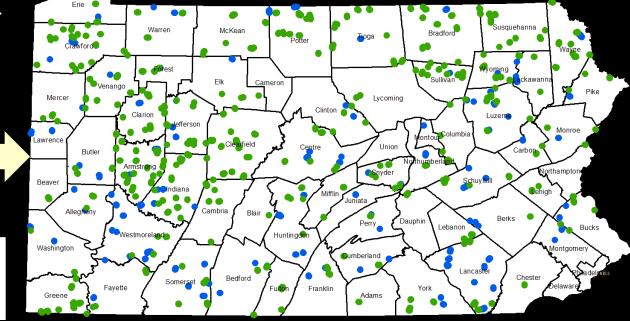
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2/14/17 Starts at 9am

2016 Completed Sites Dirt and Gravel (347) Paved LVR (123)

Use Chat box to ask Questions



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

Toggle Fullscreen mode with this button above



Participant phone lines will be muted until after initial presentation

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Purpose:

Pause a minute, step back, and look at the big picture of what is being done by the Program.



<u>A lot of figures and stats coming up fast:</u>

 Webinar recording and ppt slides available at <u>www.dirtandgravelroads.org</u>
 Printed Annual Summary Report available soon.

Annual Summary Report Details

F	unding S	iource: Dirt a	and Gravel 👻	S Coun	ty:		
	Yearly	Summary Re	port Project T	Project Totals (2015 +)			
	Year	Contracted Count	Contracted Total	Completed Count	3		
	2016	0	0.00	1			
	2015	3	59,943.00	2			
	2014	0	0.00	3			
	2013	0	0.00	1			
	2012	0	0.00	2			
	2011	0	0.00	2			
	2010	0	0.00	3			
	2009	0	0.00	2			
	2008	0	0.00	3			
	2007	0	0.00	3			
	2006	0	0.00	1			

Rep	2016/2017)	ASR Overview (2
🔽 All Fund	680,012.68	Total Committed: \$
💟 Costs ar	568,905.00	Spending Req.: \$
ASR Cor	111,107.68	Difference: \$

• ESM Trainings

Project Spending



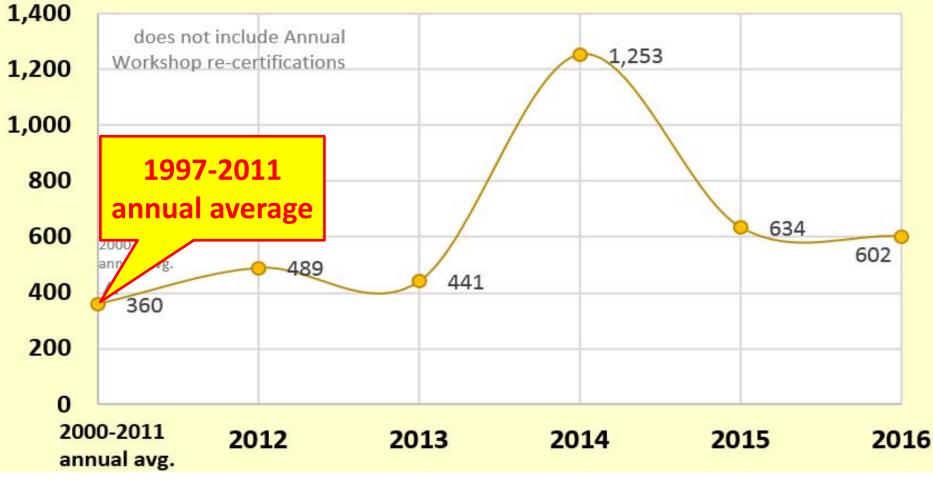
Project Deliverables

Audio also available via phone: 866-823-7699 For assistance, call: 814-865-5355

Baid Eagle State Fore: 92 2 Penn's Cave Wildlife Park

ESM Trainings

2-Day ESM Training Attendees per Year

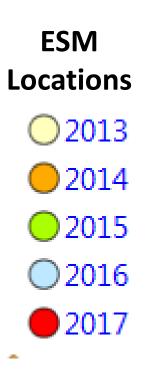


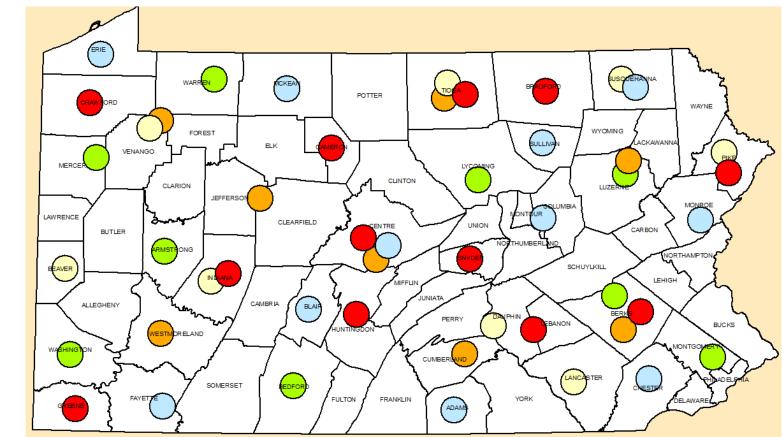
- Large bump in attendance in 2014
- Settling out at a "new normal" of ~625?

ESM Trainings

- 12 ESMs scheduled for 2017
- Registration currently open at

www.dirtandgravelroads.org





- ESM Revamp for 2017
 - Major Section Overhauls
 - Low Volume Roads
 - Base
 - Streams & Stream Crossings
 - Surface Maintenance
 - New "project spotlight" walkthroughs
 - Many new images and projects

Annual Summary Report Details

unding) Sc	ource:	Dirt a	ind G	iravel 🔻	S C	ounty
Yearl	y S	umma	ry Rej	port	Project To	otals (201	5 +)
Yea	ir (Contra Coui			ntracted Total	Complete Count	ed
201	.6		0		0.00		1
201	.5		3	5	59,943.00		2
201	.4		0		0.00		3
201	3		0		0.00		1
201	2		0		0.00		2
201	1		0		0.00		2
201	.0		0		0.00		3
200	9		0		0.00		2
200	8		0		0.00		3
200)7		0		0.00		3
200	6		0		0.00		1

D	FSM	Trair	nings
	LJIVI	man	11185

ASR Overview (2	2016/2017)	Rep
Total Committed: \$	680,012.68	🔽 All Fund
Spending Req.: \$	568,905.00	Costs ar
Difference: \$	111,107.68	ASR Cor

Project Spending



Project Deliverables

Audio also available via phone: 866-823-7699 For assistance, call: 814-865-5355

Bald Eagle State Fores 92 Penn's Cave & Wildlife Park

• GIS

- All Annual Reports done by Jan 31st
- GIS Training 3/29 in State College
- Currently in System: \$100 million spent/committed
 - \$77 Million in completed projects (DnG & LVR combined)
 - \$24 Million in contracted projects (DnG & LVR combined)

Districts have received more Program funding in the past 3 years, than in the first 17 years of the Program.

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Big Picture: FY 2017-18 Allocations

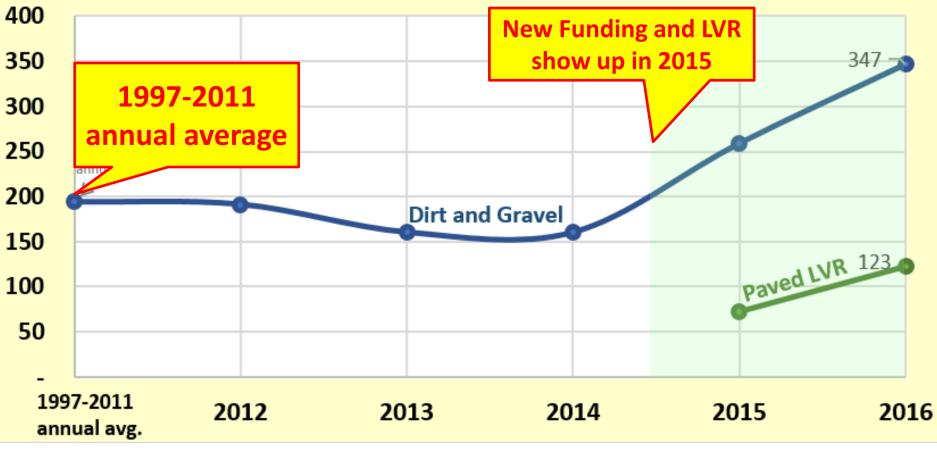
 <u>2-year spending requirements</u>: currently only 3-4 counties at risk of not being eligible for FY 2017-18 allocations.

- FY 17-18 allocation Timeline:
 - May: SCC Approval
 - June: PA Bulletin Publishing
 - July-Sept: CDs receive advances

(pending State Budget approval)

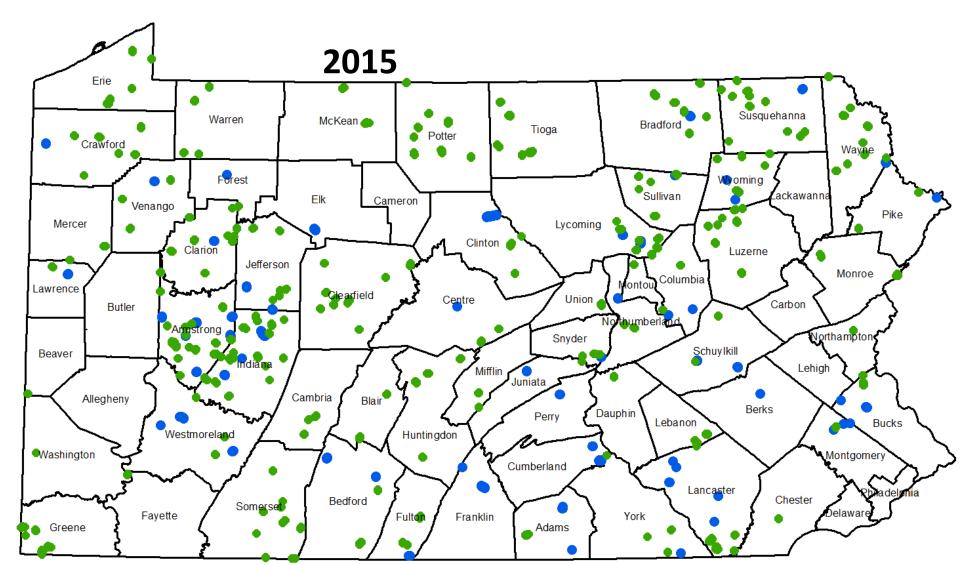
Spending

Number of Contracts Complete per Year



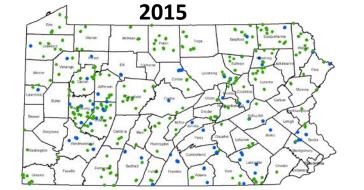
- Completed 1997 through 2016
 - 3,637 DnG Contracts
 - 195 LVR Contracts

Completed Sites Dirt and Gravel Paved LVR

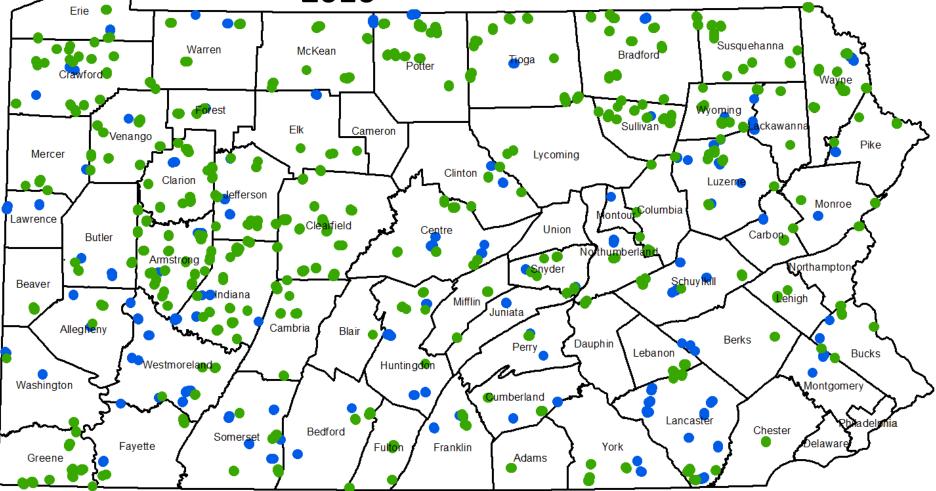


Completed Sites Dirt and Gravel Paved LVR

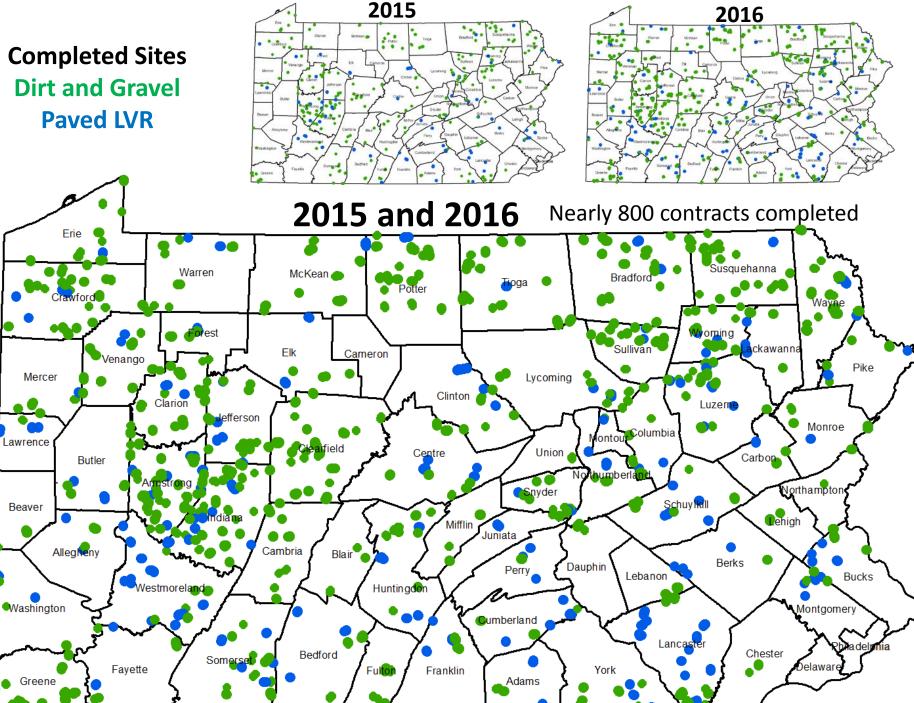
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2016

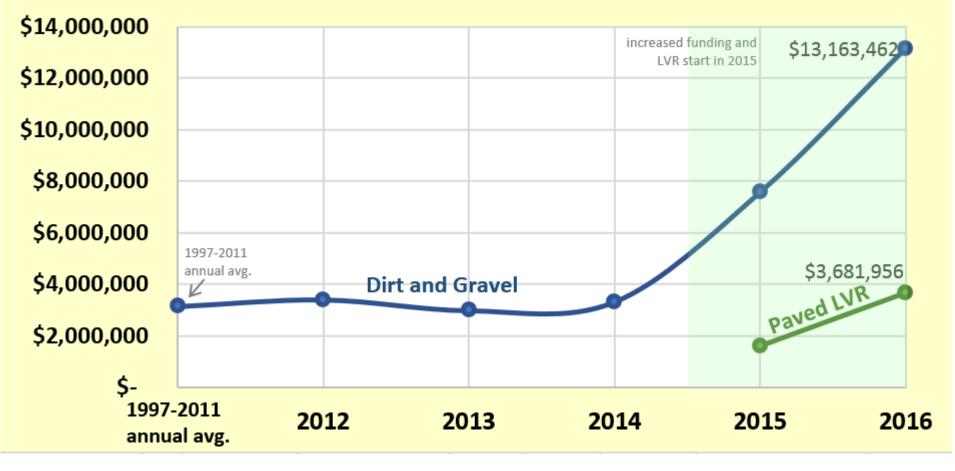


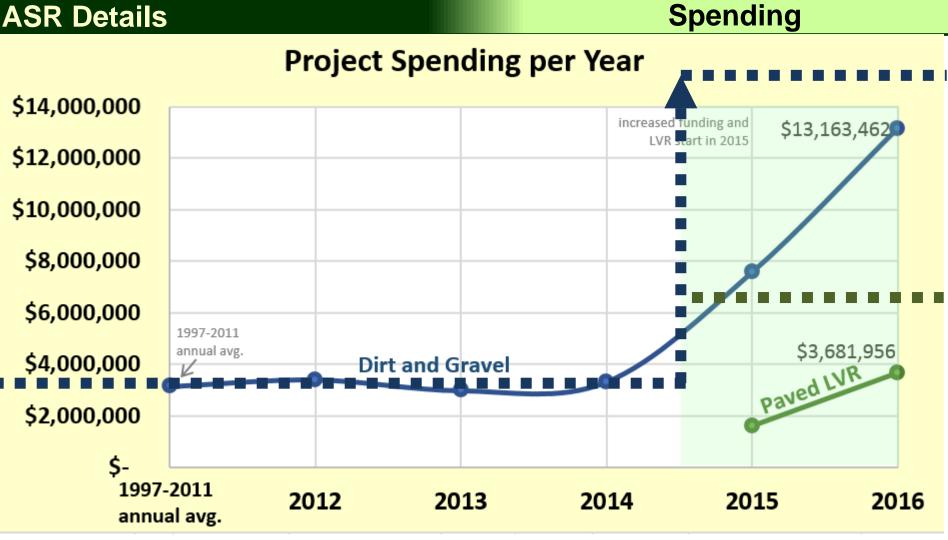
Completed Sites Dirt and Gravel Paved LVR



Spending

Project Spending per Year

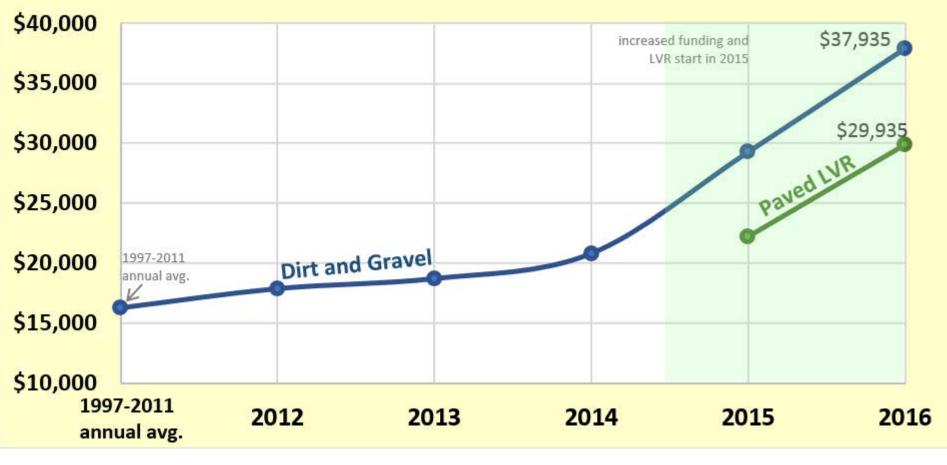




- Should stabilize at ~15-16M DnG, 6-7M LVR
- Project Spending 1997 through 2016
 - \$72 million DnG
 - \$5 million LVR

Spending

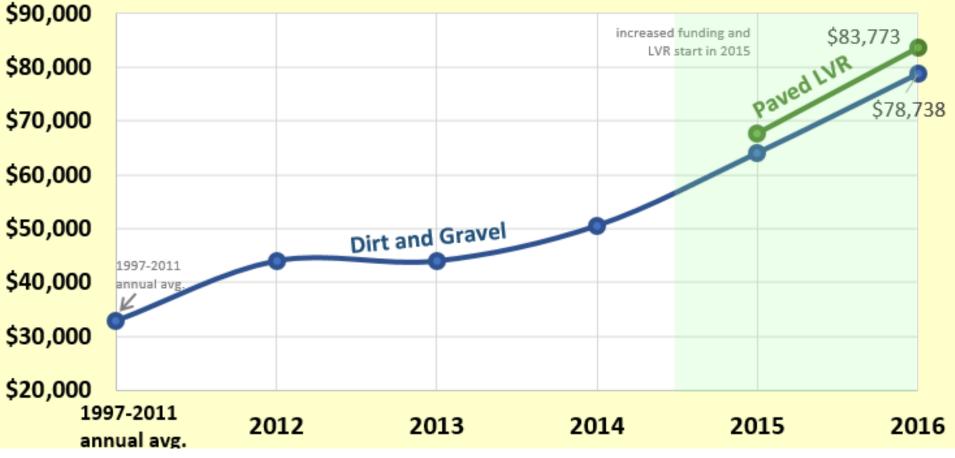
Average Contract Value per Year



- As expected, larger, more complex projects
- LVR and DnG contract sizes increasing rapidly

Spending

Average Program Spent per Mile per Year



- As expected, larger, more complex projects.
- LVR projects cost more per length than DnG.

Currently Contracted (1/31/2017)

Dirt and Gravel

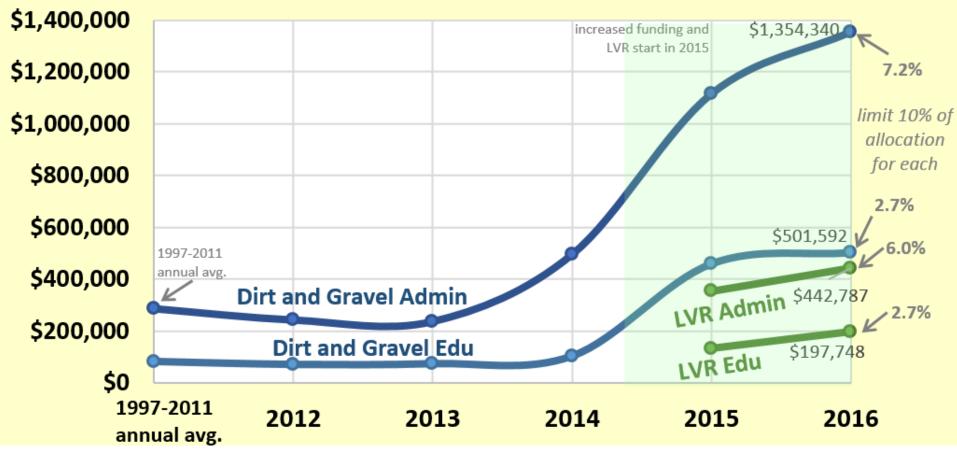
- 348 Contracts
- \$17.9 million committed
 - was 280 contracts and \$13 million this time last year

Low Volume

- 152 Contracts
- \$5.8 million committed
 - was 79 contracts and \$2 million this time last year

Spending

CD Administrative and Education Expenses per Year

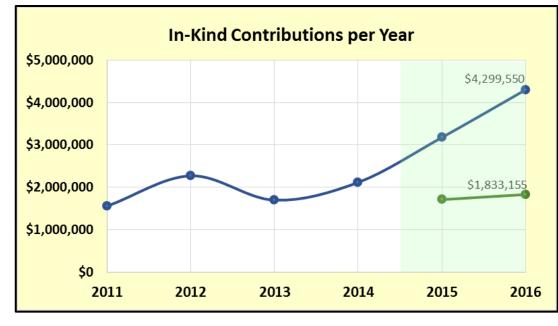


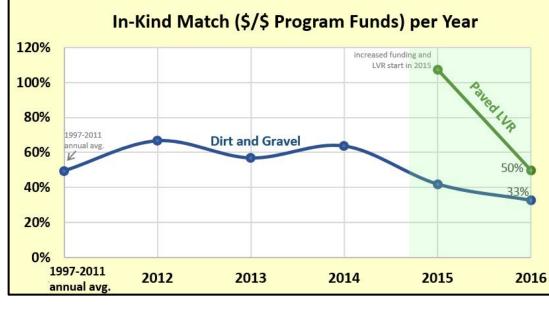
- 9.5% of CD \$ spent on Admin and Edu in 2016 (limit 20%)
- Better utilization of education spending needed (2.7%)?

Spending

In-kind

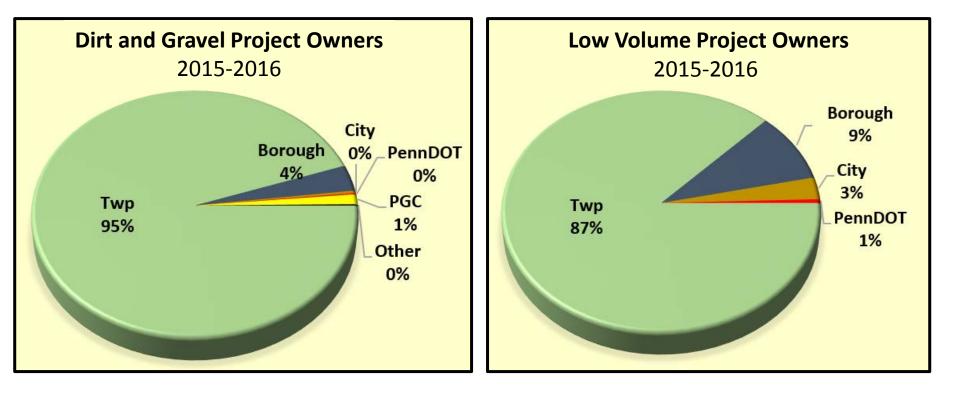
- Total contributions increasing
- Percentage match decreasing
- 2016 total averaged \$0.36 in-kind for each Program Dollar.





Ownership of completed projects, 2015-2016

- Townships still dominant grant recipient
- Boroughs and Cities increasing in LVR projects



Big Picture: 2016

Completed Sites:

- 347 DnG contracts complete in 2016, \$13.1 million spent
- 123 LVR contracts complete in 2016, \$3.7 million spent

Admin / Edu:

- \$1.9 million in DnG Admin and Edu spending
- \$600,000 in LVR Admin and Edu spending

Contracted Sites: 1/31/17

- 348 current <u>DnG</u> contacts for \$17.9 million
- 152 current <u>LVR</u> contracts for \$5.8 million

Overall:

- DnG projects and spending "ramping up" well
- LVR projects and spending increasing, but lagging DnG

Annual Summary Report Details

Fun	ding S	ource:	Dirt a	and G	iravel 🔻	S Co	ounty:	
Y	early s	Summa	iry Re	port	Project Totals (2015 +)			
	2016 2015 2014 2013 2012 2012 2010 2000 2008 2007	Contra Cour			ntracted Total	Complete Count	d	
	2016		0		0.00		1	
	2015		3	5	59,943.00		2	
	2014		0		0.00		3	
1000	2013		0		0.00		1	
	2012		0		0.00		2	
	2011		0		0.00		2	
	2010		0		0.00		3	
1905	2009		0		0.00		2	
	2008		0		0.00		3	
	2007		0		0.00		3	
	2006		0		0.00		1	

- LSIVI Hannings	D	ESM	Trainings
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ASR Overview (2016/2017) Rep Total Committed: \$ 680,012.68 ☑ All Fund Spending Req.: \$ 568,905.00 ☑ Costs ar Difference: \$ 111,107.68 ☑ ASR Cor

Project Spending
 All Fund



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Baid Eagle State Fore 2 Penn's Cave Wildlife Park

Project Deliverables:

- <u>Purpose</u>: To provide a "quick summary" of some of the major deliverables reported by CDs
- More details will be included in written Annual Report.

Road Fill Added:

206,000 tons in 2015 → 293,000 tons in 2016



Road Fill Added:

- 206,000 tons in 2015 → 293,000 tons in 2016
- Used in: (2015-2016)

- @ ~\$10/ton = **~\$3 million**
- =13,000+ Triaxle loads

- 54% of DnG contracts
- 27% of LVR contracts
- More fill purchased than DSA in 2015 and 2016



Driving Surface Aggregate:

143,000 tons in 2015 → 227,000 tons in 2016





Driving Surface Aggregate:

- 143,000 tons in 2015 → 227,000 tons in 2016
- Used in: (2015-2016)
 - 45% of DnG contracts

@ ~\$30/ton = **~\$6.8 million**

- 5% of LVR contracts (5,000 tons total)



Stream Crossings (DnG \$ LVR):

55 replaced in 2015 → 80 replaced in 2016



Stream Crossings (DnG \$ LVR):

- 55 replaced in 2015 \rightarrow 80 replaced in 2016
- # of projects using structures: (2015-2016)
 - − 45 Round pipes ←
 - 31 Squash pipes
 - 14 Plate Arch spans
 - 11 box culverts
 - 5 bottomless arch
 - 2 GRS-IBS bridges
 - 2 other bridges

Too many round pipes????

(45 individual projects reported round pipe used, not necessarily 45 round pipes installed)



Drainage Crosspipes:

- **<u>Pipes Replaced</u>**:
 - 352 in 2015 → 624 replaced in 2016
 - 738 on DnG, 238 on LVR (2015-16)



Drainage Crosspipes:

- **<u>Pipes Replaced</u>**:
 - 352 in 2015 → 624 replaced in 2016
 - 738 on DnG, 238 on LVR (2015-16)
- **<u>Pipes Added</u>**:

866 @ ~30` each = **~5 miles of new pipe in 2016!**

- − 511 in 2015 → 866 new pipes in 2016
- 1182 on DnG, 195 on LVR



Underdrains:

• 13 miles in 2015 \rightarrow 19 miles installed in 2016



Underdrains:

- 13 miles in 2015 → 19 miles installed in 2016
- 22 miles on DnG, 10 miles on LVR (2015-16)
- Used in: (2015-2016)
 - 26% of DnG contracts
 - 31% of LVR contracts



Paving (LVR Only):

Assuming 18' road width

 4.5 miles "sealed" in 2015 → 7.6 miles in 2016 Note some of this was funded as in-kind

Paving reported in:

• 28% of 2015 contracts, 37% of 2016 contracts



Dirt & Gravel Roads

Last year

available

the fact

Before

Paved Low-Volume Roads

More details in 2016 annual report,

available soon

Let us know if you have any questions or suggestions for analysis of spending or deliverables. 2015 Completed and Contracted Projects

nding category introduced in FY 2014-15 for <u>payed</u> Low-Volume Roads (LVR) a wetane date trade neurol of SDN vehicles or loss nomy category introduced in FY 2014-15 for <u>payed</u> n average daily traffic count of 500 vehicles or less.

\$8 million allocated for LVRs in fiscal year 2014-2015. projects focus on the same environmental benefits as Dirt and Gravel Projects. 2015 was the first construction season with LVR funds. Notice (Notice on the sense sense to an interference of the CLARS, Conternation Stricts sense in this construction session that hading was trainable for gave UVRs. Conternation Stricts sense an initial matter sense and and the Restruction states bareful a Landau event (RESA) reactives and an initial matter sense and and the Restruction states bareful a Landau event (RESA) reactives and and the sense sense and and the Restruction states bareful a Landau event (RESA) reactives and and the sense sense and and the Restruction states bareful a Landau event (RESA) reactives and and the sense sense and and the Restruction states bareful a sense of the sense of e fisi construction season that funding was analistic for payed LVRs. Conservation districts were the initial projects simple, and stack to Environmentally Bendine Maintenance (EBM) predices and the second stack of the second Rolinital projects simple, and abox to Environmentally Sensitive Maintenance (EBM) practices and for scope to the Out and Gravel projects has been desing with for years. Sing UKP projects in 36 constraints, with an average contract yaue of \$22.900, compress to \$30.200 for United fracts. With an additional \$2 million Stready under contract as of February, a spanform increase fracts. With an additional \$2 million Stready under contract as of February, a spanform increase tracts.

countes, with an exercise contract value of \$22,800, compared to \$30,200 for Dirk and With an additional \$2 million stready under contract as of Pebruary, a significant increase reserved in price is expected in 2016. These and conditions in use by the Drit and Gravel Road Program can be readily in the conditional in the events in the conditional in our second or event and No nuse ou me un ana unave nosa broarem can be readly assess to a Link fundra, house is a no fundad to rural roads or raral enconner and nosifer net acts of practices that will take some time to develop and the develop and an encounter to activate a some time to develop and the develop are encounter to activate a some time to develop and the develop are encounter to activate a some time to develop and the develop are encounter to activate a some time to develop and the develop are encounter to activate a some time to develop and the develop are encounter to activate a some time to develop and the develop are encounter to activate a some time to develop and the develop are encounter to activate a some time to activate a some titer a some time to activate a some titer a some tite S in urban areas will require new sets of practices mist will take some time to develop and timong the Program. The UVR portion of the Program is not use a storm water program. Projects, there are not address between balance and program is not used a storm water program.

2015

\$1.5 M

\$22,800

\$2 M

pent on Compl

Contracts

Avg. Contract Value

+Currently Under

Contracts (2050)

- on the Program. The LUR portion of the Program is not just a storm water program. I arcas, must strike a balance between environmental improvements and road improve

CL Opt the primary focus of the LVR Program, and all Hecenna rosa s oz ne primer) tous o ne UNE Program, ana si dalage en base introvenent mat be made before resultarion can Figing for storal or "chipsesting" with Program funds is individual conservation districts. The individual increase of interview conservation games, the imported of the state includes that will only day for determined that the fast parts of the protect (over new proces of denergie structures for in the eff construction compared to proce. ore), in ore of contracts compress in Jone. Victoristic), 4.5 miles of surface sealing, were reported (include: sourced as part of the project (over new pipes or sample), in the 67 contracts completed in 2015: bon Program Lungs and Invende). Vitin n25 miles of sites completed, this indicates that less than 20 percent at the UKE workserve Annu Receive Inventeere environment With 425 miles of sites completel, this indicates that ites than 2 percent of the LVR projects (b) length (modified apphate) or chip sealing, and even less than their uses Program funds.

ang sole to turbi baras projects, or nas to sole projects over multiple jests. I mole "complete fuelt" in many cases. In addition, the societ of projects I mole "complete fuelt" in many cases. In addition, the societ of projects to such mile "consider base" in many cases. In addition, the accore of projects in the has increased to include produces that were not previously coasible because such as accore crossing resources, base stabilization, surface appropriate, an invest reade on the obvious excercise. renched roads as in the pictures above. D&G Deliverables in 2015: Dirt and Grave 139,000 tons of Driving Surface Contracts Complete Aggregate placed (~42 mies) Spent on Completed Contracts

 In FY 2014-15, funding increased from \$4 million to \$20 million 2015 was the first construction season with new funds.

more comprehensive compared to previous years.

In 2015, more contracts were completed, and projects were larger at

marked the first construction session where the Program's funding increase was

est manea une trat construction season where the Program's funding increase was for allo or protects. Many conservation districts the tree ground running, and poper increases to 2.5 since the surging of the previous the years. Even more notation as rais freatly 313 million was committed in pursers contende as in demonstration

Notessel to 2.5 times the subsigle of the previous five years. Even more notable is first reality \$13 million was committed in outrent contacts as of Pebruary 2016, and the unsame even in protects is just heatman and toxic eventuate to be a unit.

t that meanly \$13 million was committed in ourrent contacts as of February 2016, Ig that the upward swing in projects is just beginning, and 2016 promises to be a very

becast indease in average confract cost is indicable of what Program and Cent been seen of in the field, larger and more comprehensive projects. Definition that the contraction that is fund cents contexts, or has to sole orders over mutate views, and Percent increase in average contract cost a indicative of what i

been seeing in the table larger and more componential projects. Contrast mini-traffic bills for and partial projects, or had to soft projects over multiple years and the more second a second in some cases in a second line second of request pro-

- 271 Drainage pipes replaced
- 415 New drainage pipes installed
- 200,000 tons of road fill (9,000 tri-axie trucks)
- *Currently Under Contract (2004)
- 41 Stream-crossing structures replaced

Avg. Contract Value

- une ward to arend or commit funds, againsing totals above will not equal total also also

171

\$3 M

\$17,700

-\$4 M

2015

243

\$7.5 14

\$13 1

A semping of completed project photos t

GREEN= Completed Dirt & Gravel Projects (2015) BLUE = <u>Completed</u> Paved LVR Projects (2015) GREY= Currently Under Contract or or 2003000, Ball OSC ord LVK

You can generate excel table for your county and do similar summaries:

ding S	ource: Dirt	and Gravel 🔻	S Cour	nty:	-	→ © 🗄		? -	
early \$	Summary R	eport Project T	otals (2015	+) Project Tota	Project Totals (pre-2015) All Com			Export to CSV	
Year	Contracted Count	Contracted Tota	Completed Count	Completed Total	Limestone	tion	Education		
2017	0	0.00	0	0.00	0.00	0.00	0.00		
2016	0	0.00	2	12,023.00	15.50	1,200.00	250.00		
2015	0	0.00	3	56,100.25	15.50	2,000.00	1,500.00		
2014	1	12,134.00	1	11,365.00	0.00	0.00	0.00		
2013	1	450.00	1	10,000.00	0.00	0.00	0.00		
2012	0	0.00	0	0.00	0.00	0.00	0.00		
2011	0	0.00	0	0.00	0.00	0.00	0.00	-	
2010	0	0.00	0	0.00	0.00	0.00	0.00		
2009	0	0.00	0	0.00	0.00	0.00	0.00		
2008	0	0.00	0	0.00	0.00	0.00	0.00		
2007	0	0.00	0	0.00	0.00	0.00	0.00		
2006	0	0.00	0	0.00	0.00	0.00	0.00	-	

ASR Overview (2017/2018)

allto

Report Checklist

All Funded Sites Entered

Costs and Expenses Entered

Center Use Only

Total Committed: \$ 107,022.25 Spending Req.: \$ 0.00

Verified By:

ASR Verified

Webinars:

- ⊖ February 14th 2016 Annual Summary Report Review
- March 17th Project Sharing Session Highlights
- March 21st
 Overview of Admin Manual Changes
- o April 18th CD Replenishments and Direct Deposit NEW DATE

DGLVR Project Sharing Sessions:

- **Register**: <u>http://www.dirtandgravel.psu.edu/education-and-training/conservation-district-regional-sharing-sessions</u>
- Schedule:
 - → February 21st Greensburg, Ramada → 2/21 canceled in Greensburg
 - o February 22nd Clarion, Park Inn
 - o February 28th Lancaster, Doubletree Hilton
 - March 1st
 Wilkes-Barre, Woodlands Inn
 - March 7th State College, CDGRS office *may be canceled unless more people register*

Admin/GIS/Field Day New-Hire Training:

- Register: <u>http://www.dirtandgravel.psu.edu/education-and-training/conservation-district-new-hire-training</u>
- Schedule: March 28, 29, 30 in State College

Bankfull / Stream Crossing Trainings:

- Registration available soon
- Schedule:
 - o April 26th Cumberland County
 - May 10th Elk County
 - o May 11th Indiana County
 - o June 6th Pike County
 - o June 8th Centre County
 - June 27-28th NAACC Culvert Assessment Training (St College Area): This is a methodology for assessing and ranking road/stream crossings for aquatic connectivity, used throughout the Northeastern US. More details to come. Web Link: <u>https://streamcontinuity.org/</u>