

2020 Annual Summary Report

Dirt Gravel and Low
Volume Road Program

WEBINAR

3/11/21

Starts 9am

Note this same presentation was given to
the SCC at their 3/9/21 remote meeting



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SCC
rrichardso@pa.gov

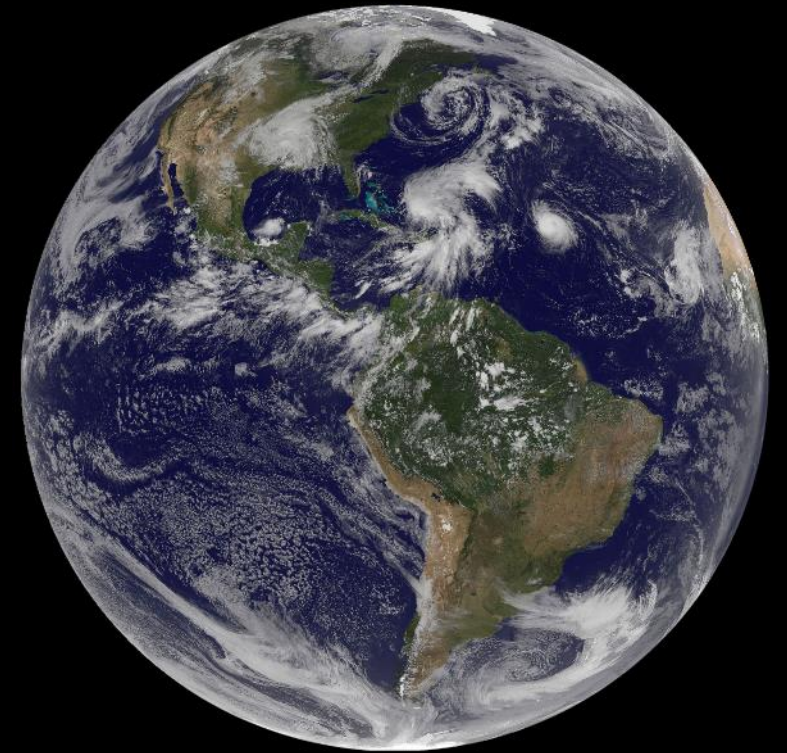
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CDGRS
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Purpose

Summarize 2020 Program Status

**Stop, step back, and look at the
“Big Picture” Program overview of
spending and deliverables**



2020 Annual Summary Report

- **Annual Report: Financial**
- Annual Report: Deliverables
- CD Financial Status
- CD Allocation Eligibility

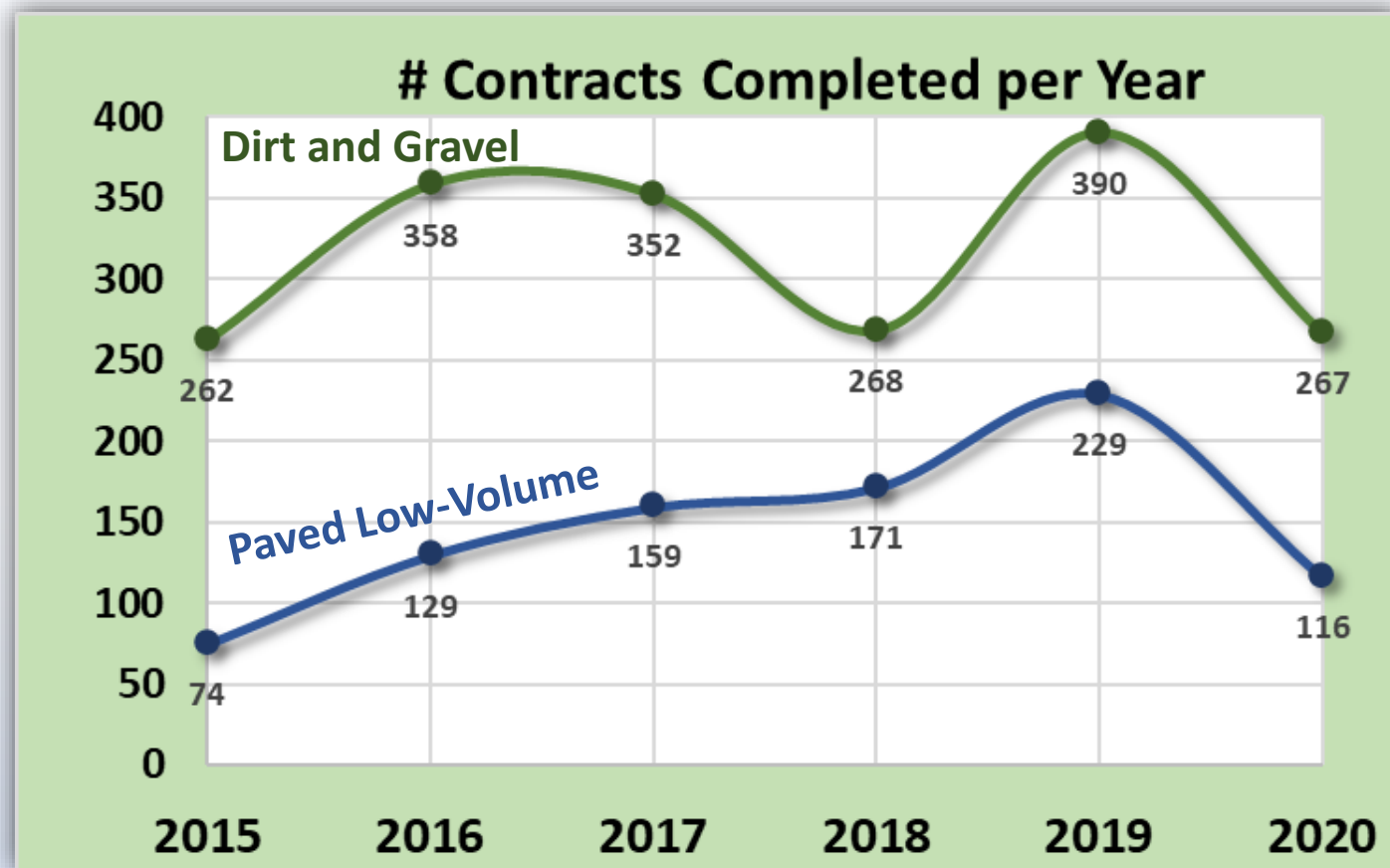


383 Projects Completed

- Down from 619 in 2019
- 488 past 5-year average

Note: 2020 numbers down from 2019

- July 2019 was big spending push at end of 5-year contract
- Only minor COVID issues (est <10% of projects delayed)

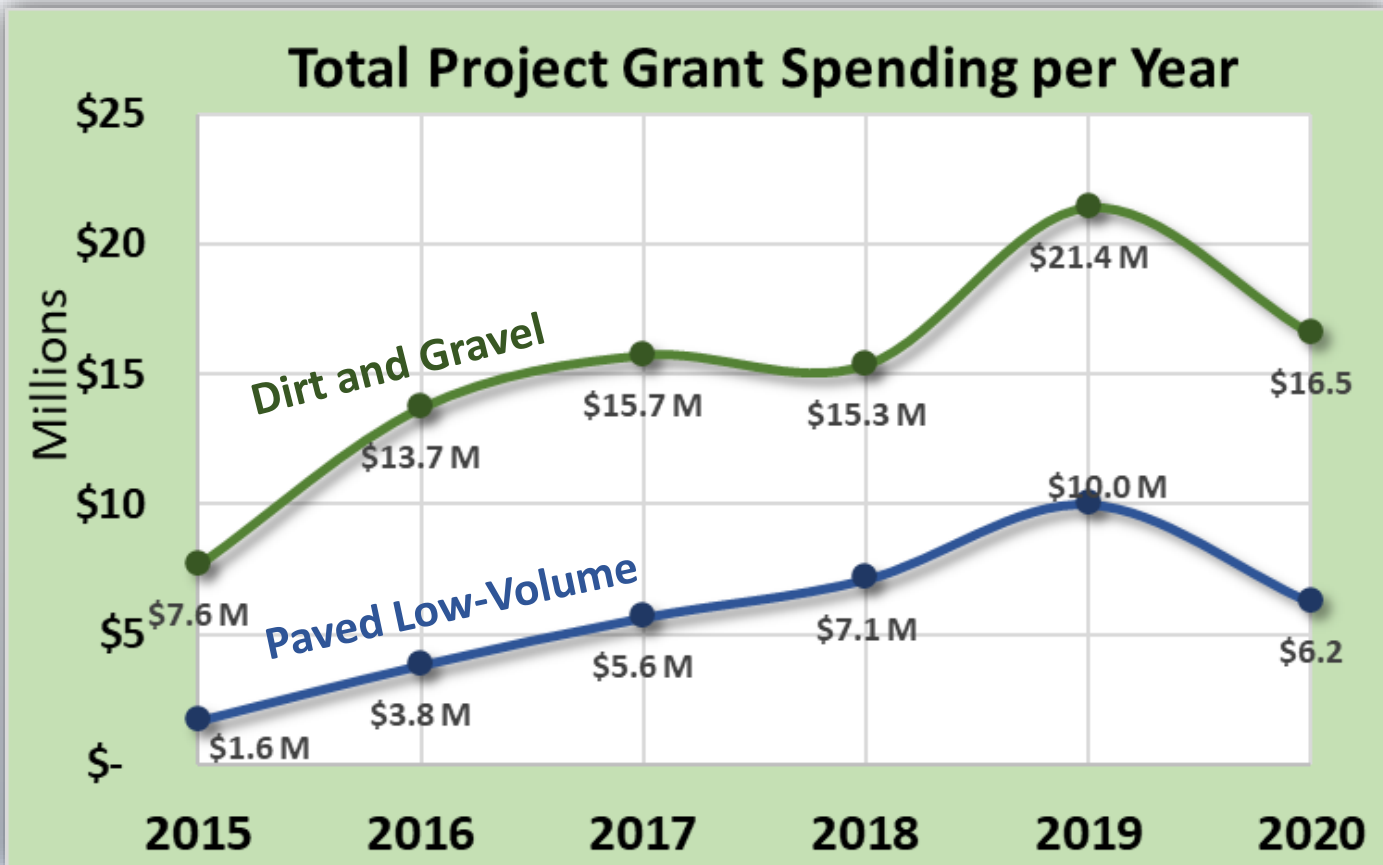


\$22.7M Spent on Completed Projects

- Down from \$31.4M in 2019
- \$23.1M past 5-year average

Note: 2020 numbers down from 2019

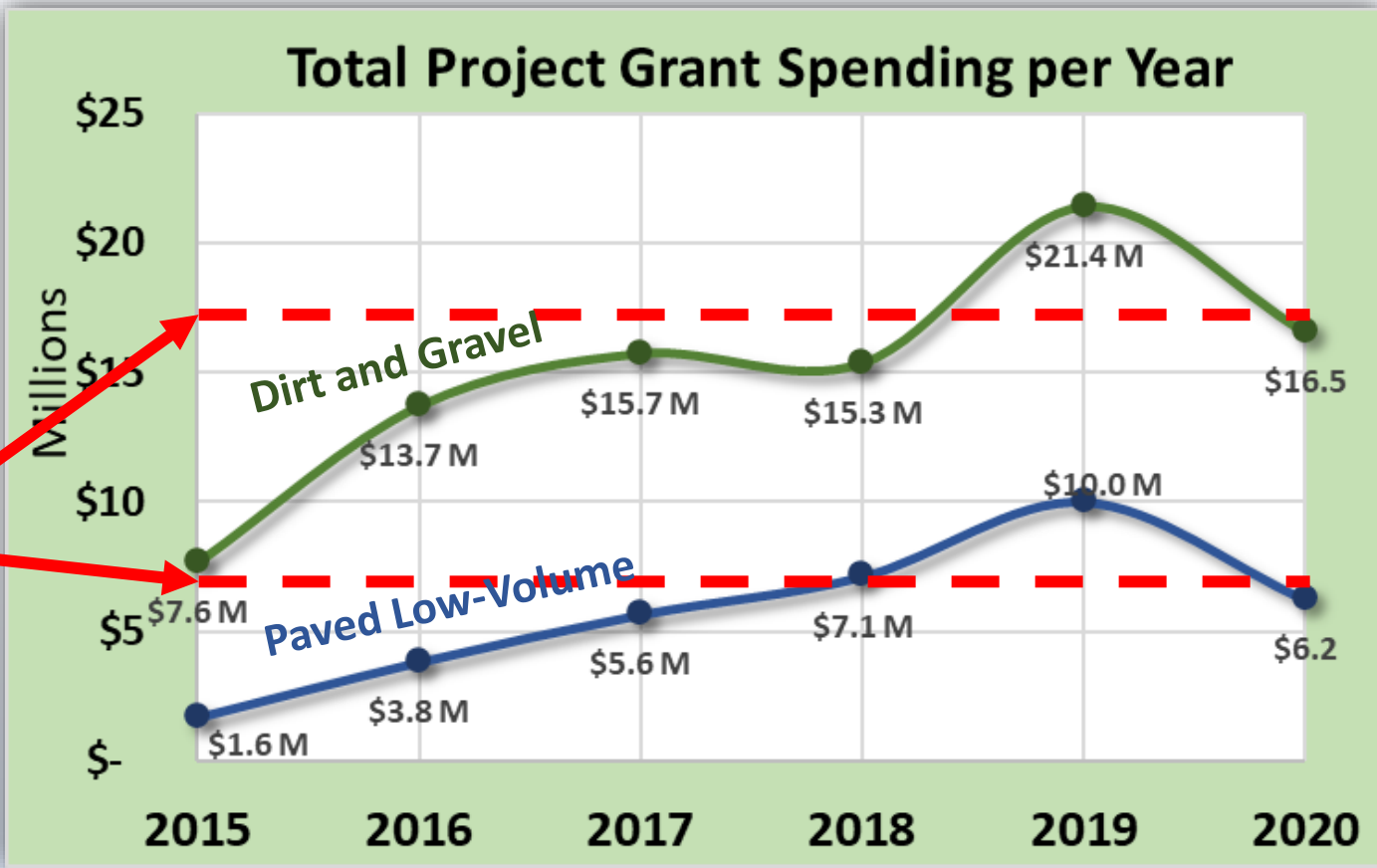
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\$22.7M Spent on Completed Projects

- Down from \$31.4M in 2019
- \$23.1M past 5-year average
- Where should spending be?

Likely Spending Equilibrium



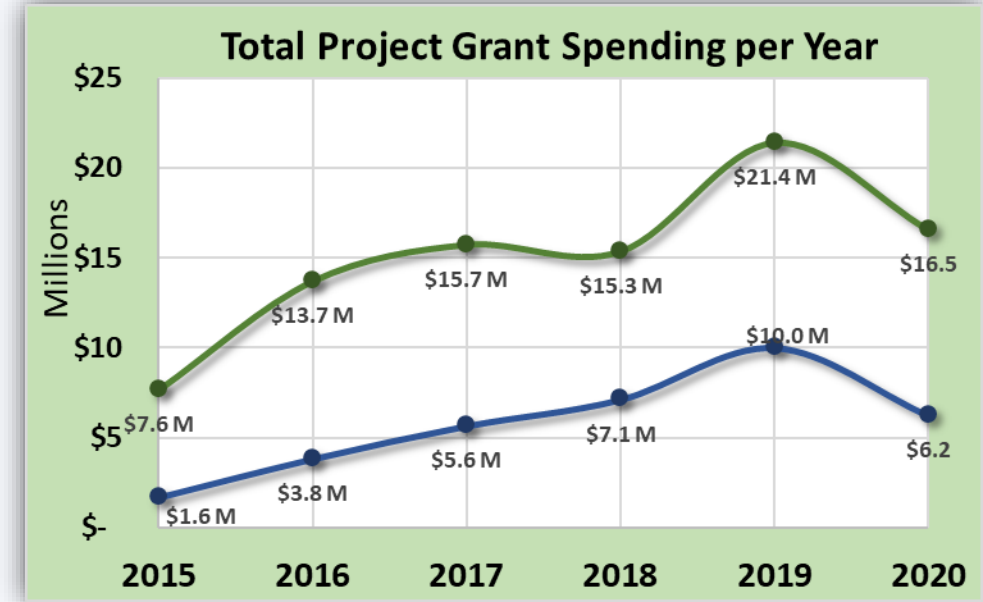
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ASR data as of
12/31/2020

• In Addition, as of 3/1/2021:

- 120 contracts reported complete so far in 2021 for \$6.2M
- 415 current contacts worth \$29.5M



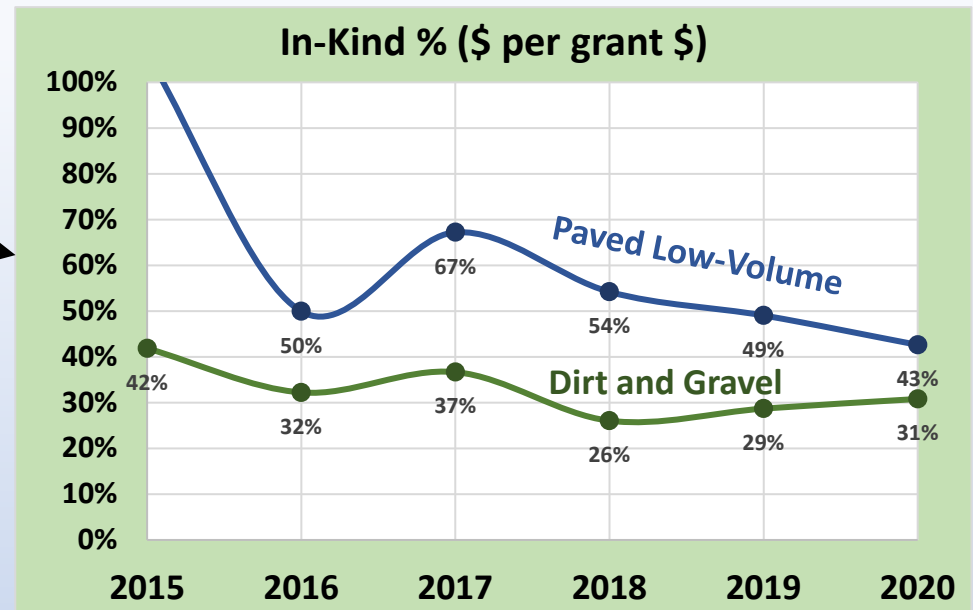
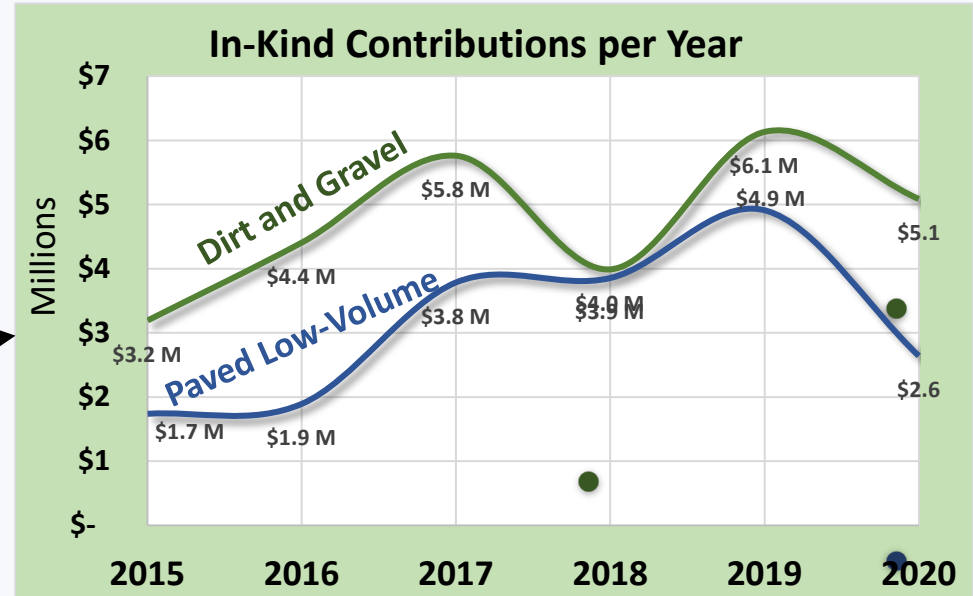
In-Kind: goods or services incurred by participant but not reimbursed through DGLVR funds

\$7.7M In-Kind Spent on Completed Projects

- Down from \$11M in 2019
- \$8.4M past 5-year average

34% In-Kind per Project Dollar

- Compared to 35% in 2019
- 37% past 5-year average

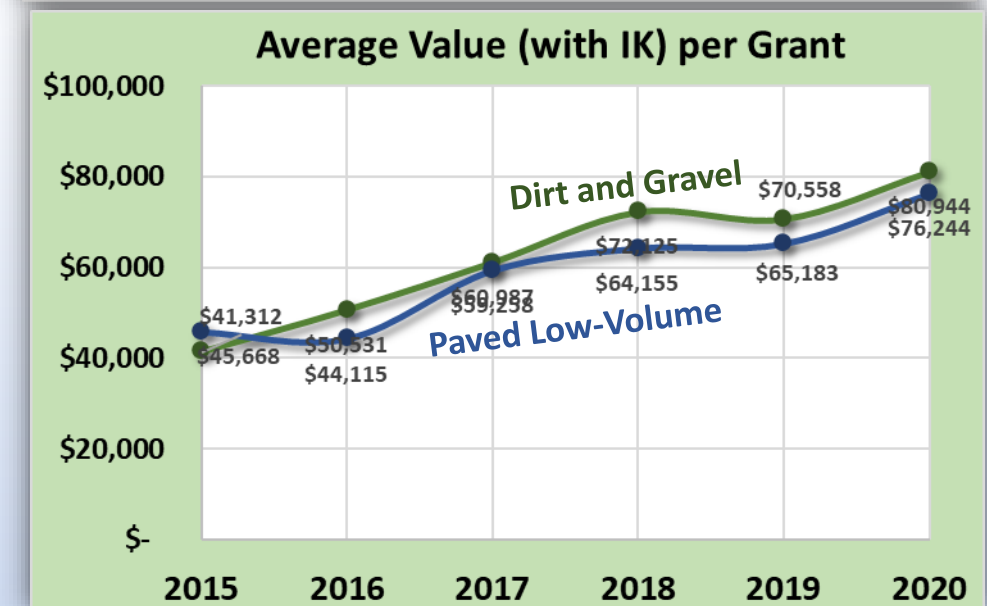
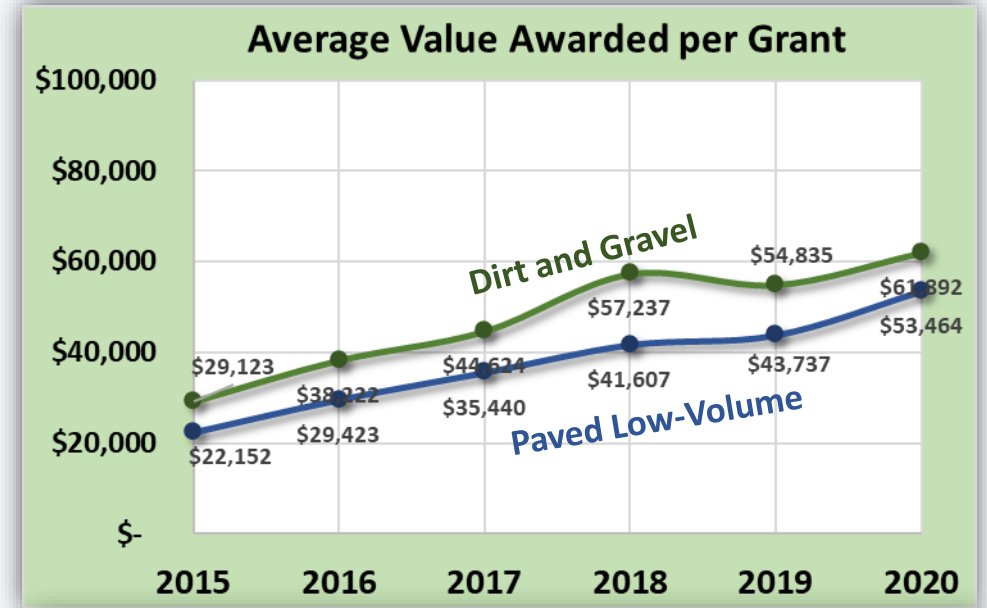


ASR data as of 12/31/2020

Average Project Size:

- **Average per completed contract:**
 - \$59K in 2020 (DGLVR funds only)
 - \$79K in 2020 (including in-kind)

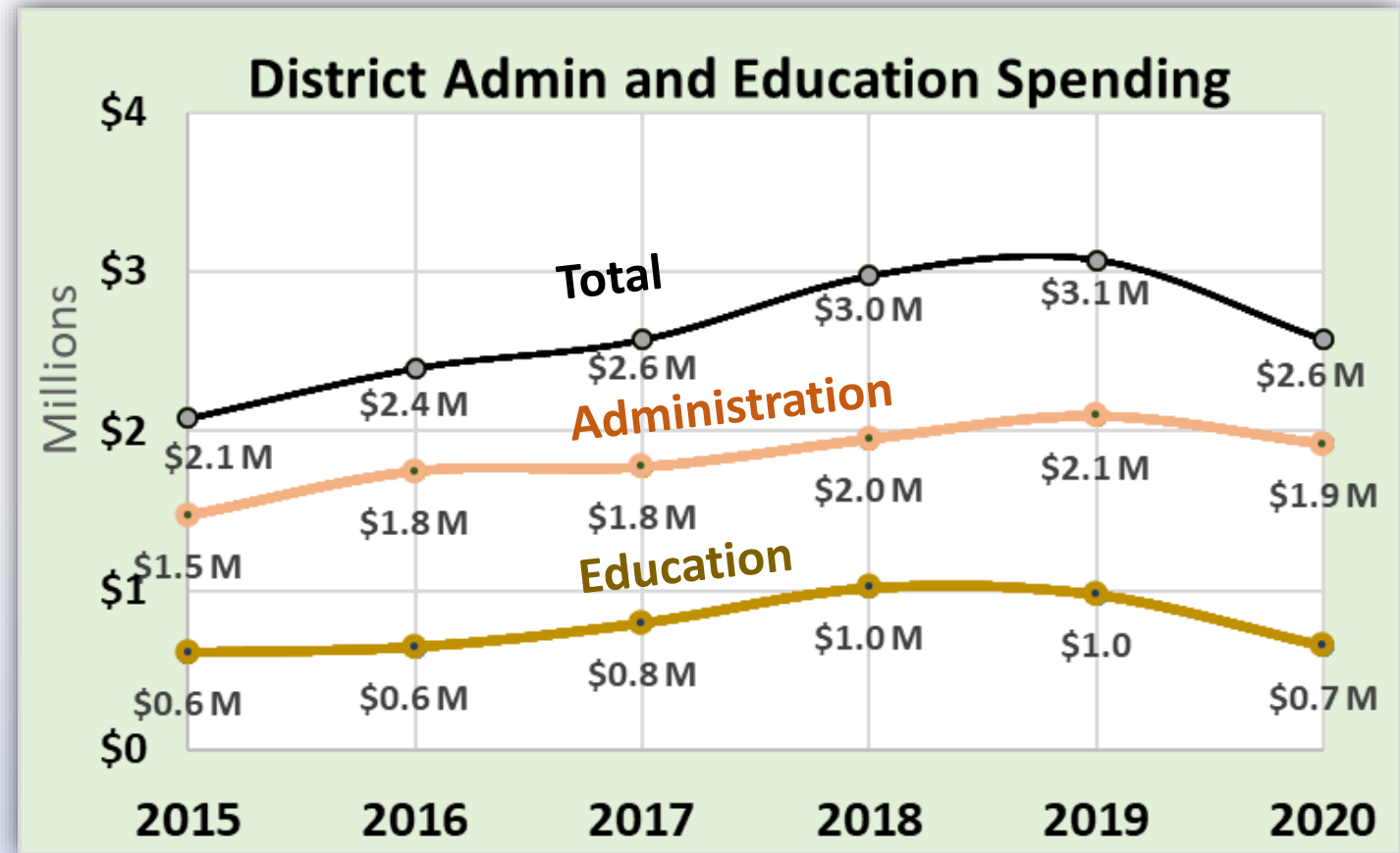
- **Steadily rising since 2014 funding increase:**
 - Larger scale projects
 - More complex and costly projects



ASR data as of
12/31/2020

Admin / Education Spending by CDs

- **Administration**
 - 10% maximum Allowable
 - **7.4% in 2020**
 - 7.3% over 5-year average
- **Education**
 - 10% maximum Allowable
 - **2.5% in 2020**
 - 3.1% over 5-year average



Financial Summary

- **383 sites completed in 2020 with \$23M spent on them**
 - Down from last year's spending push, but no significant "COVID dip"
 - In line with long-term expected spending averages
- **Currently Contracted:** 412 contracts for \$30M (~1.25 years of project funding)
- **Average grant values:** continues to increase, nearly \$60,000 in 2020
- **In-Kind:** average settling in at around \$0.35 per \$1 of grant funds (no statewide in-kind requirement)

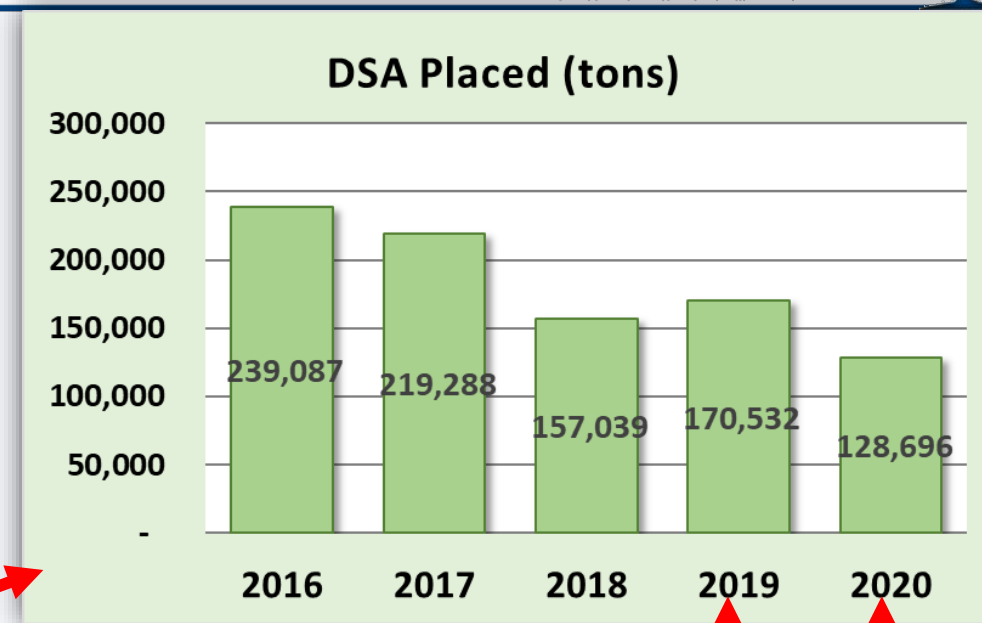
2020 Annual Summary Report

- Annual Report: Financial
- **Annual Report: Deliverables**
- CD Financial Status
- CD Allocation Eligibility



Driving Surface Aggregate

- Only approved surface with DGLVR funds
- Should be used only after drainage and base improvement are made
- Decreasing 5-year trend, may be stabilizing



Actual Totals in Tons

But that does not account for annual spending variability

\$21.4M \$16.5M

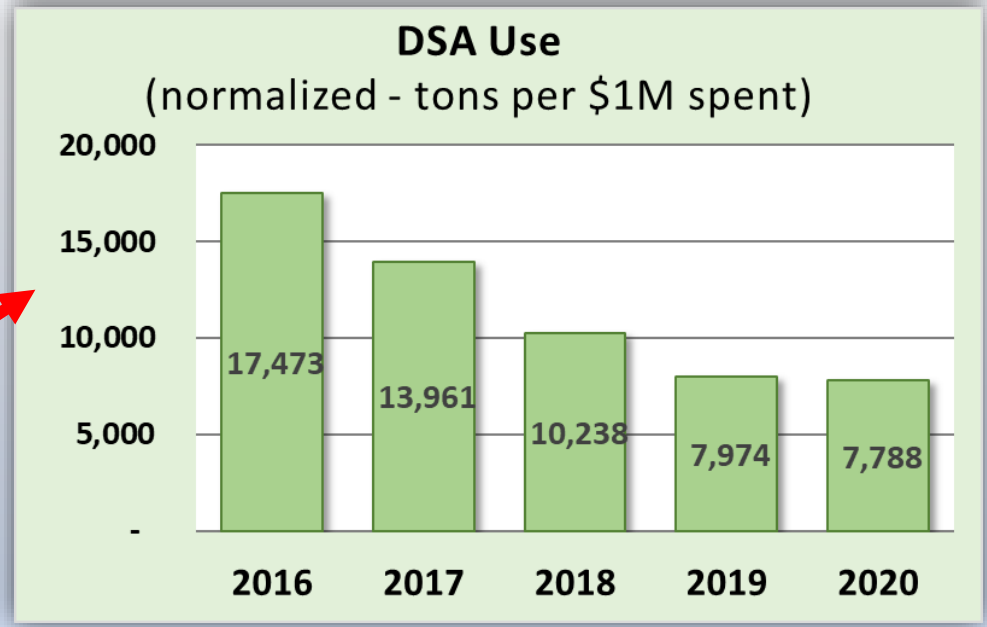
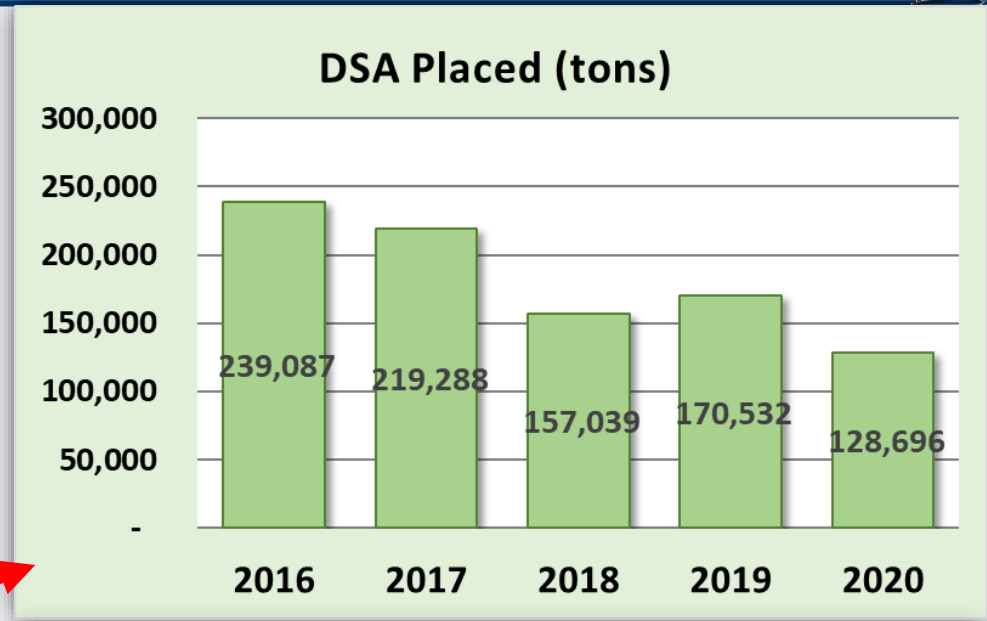
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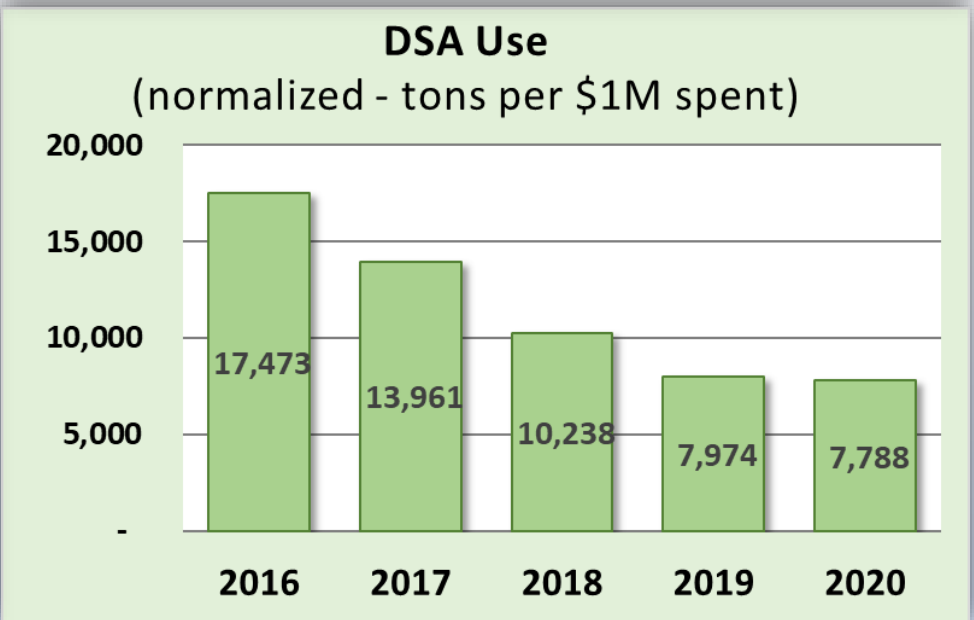
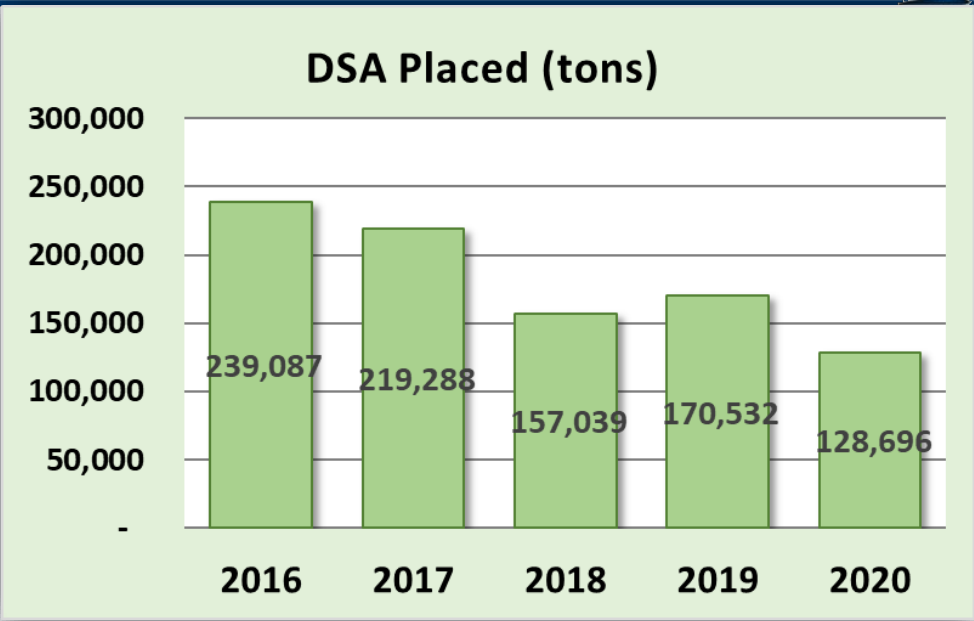
But that does not account for annual spending variability

Normalized by annual spending



Driving Surface Aggregate

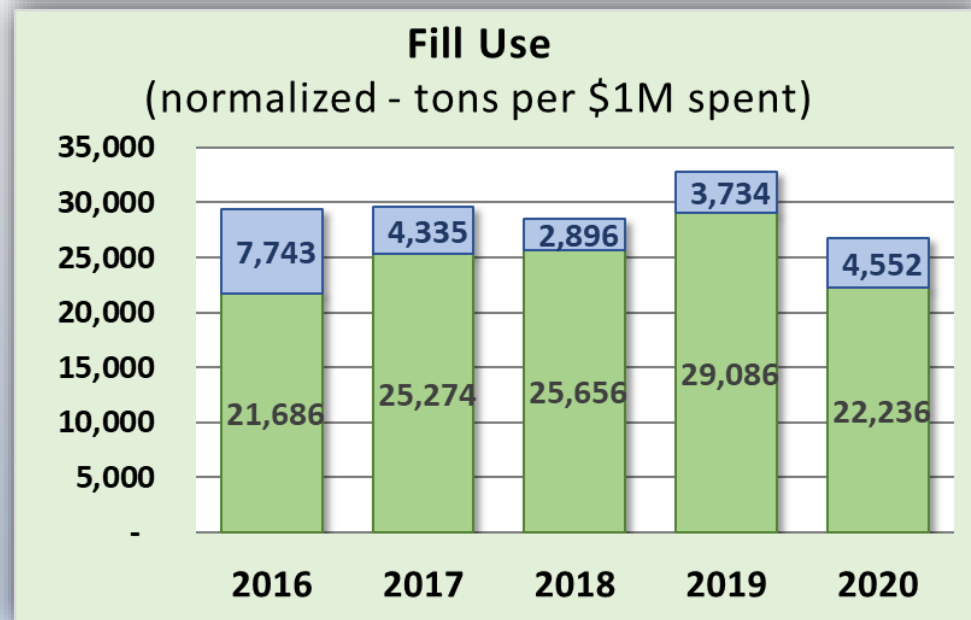
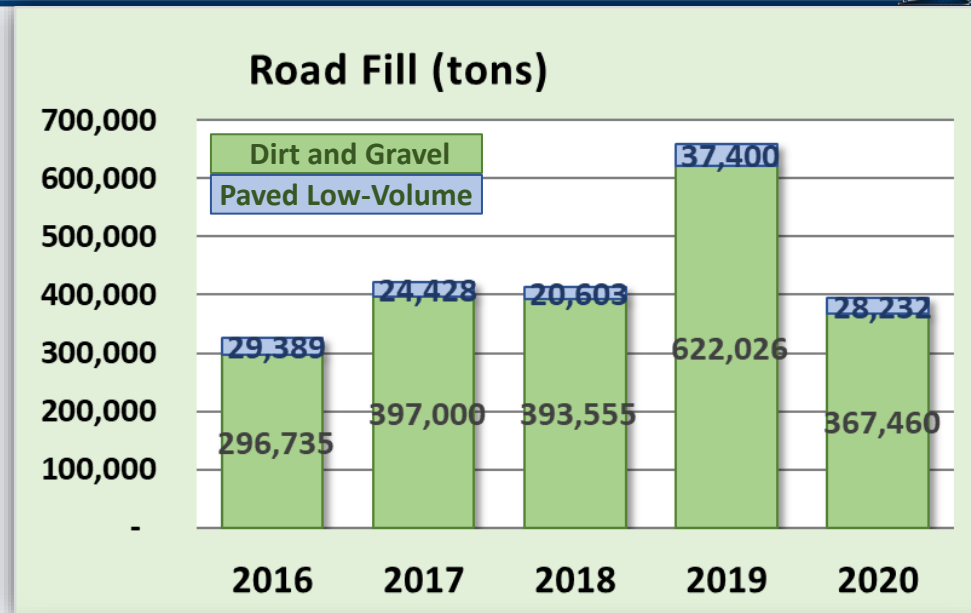
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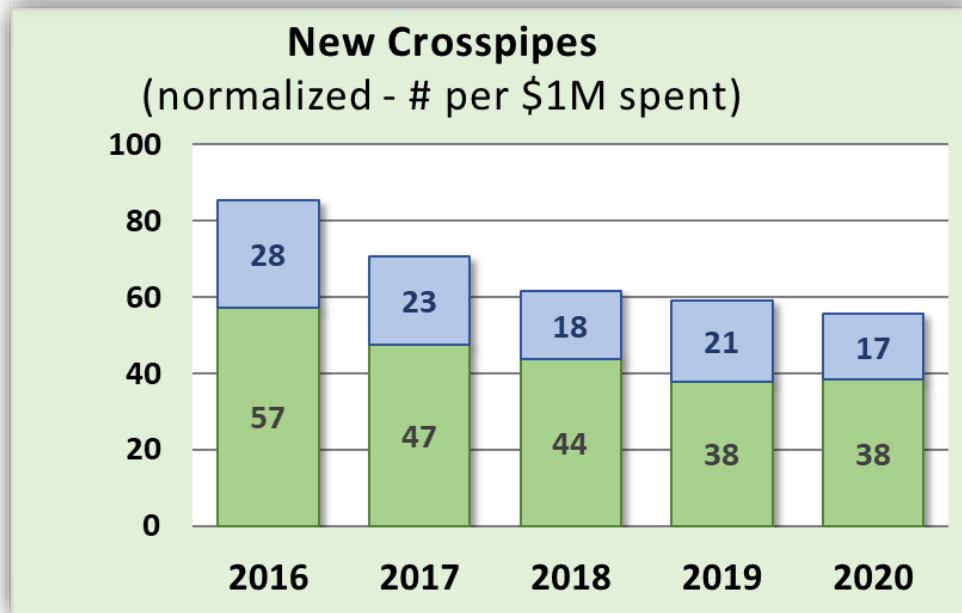
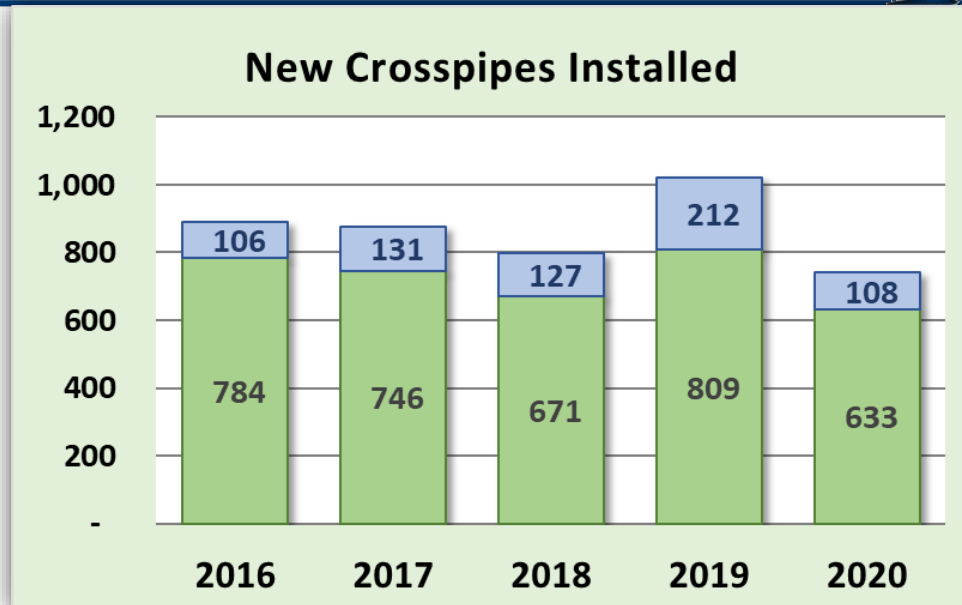
Road Fill

- Used to elevate entrenched roads
- Continual point of emphasis as it fixes many drainage and base issues
- Fairly consistent 5-year trend



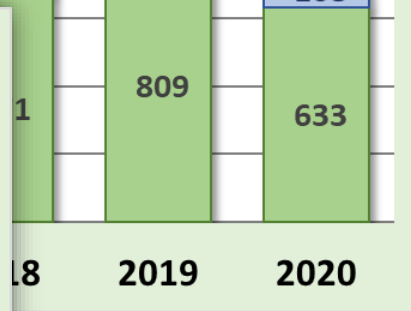
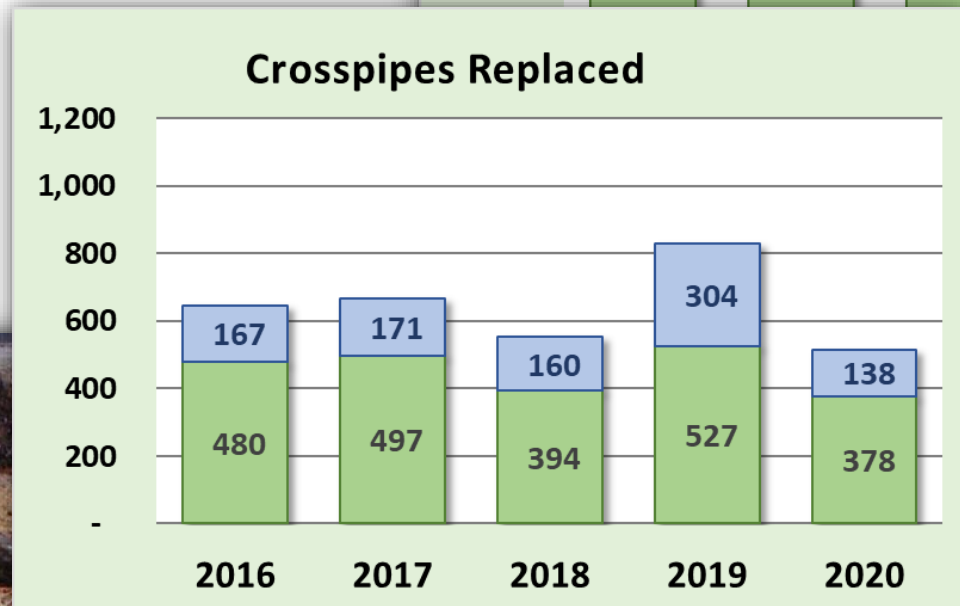
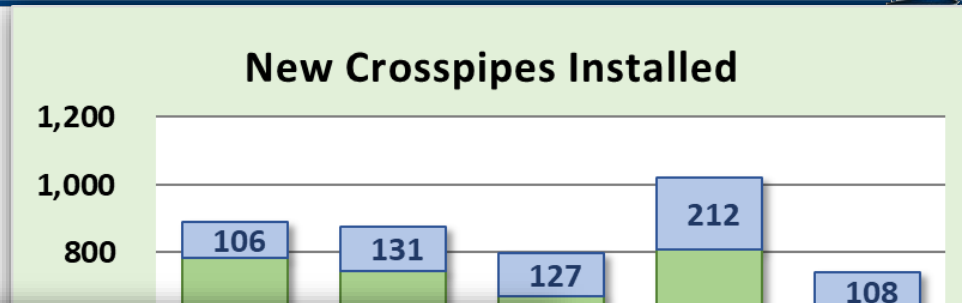
New Crosspipes Installed

- Most fundamental tool to disconnect road drainage
- Slightly decreasing over time



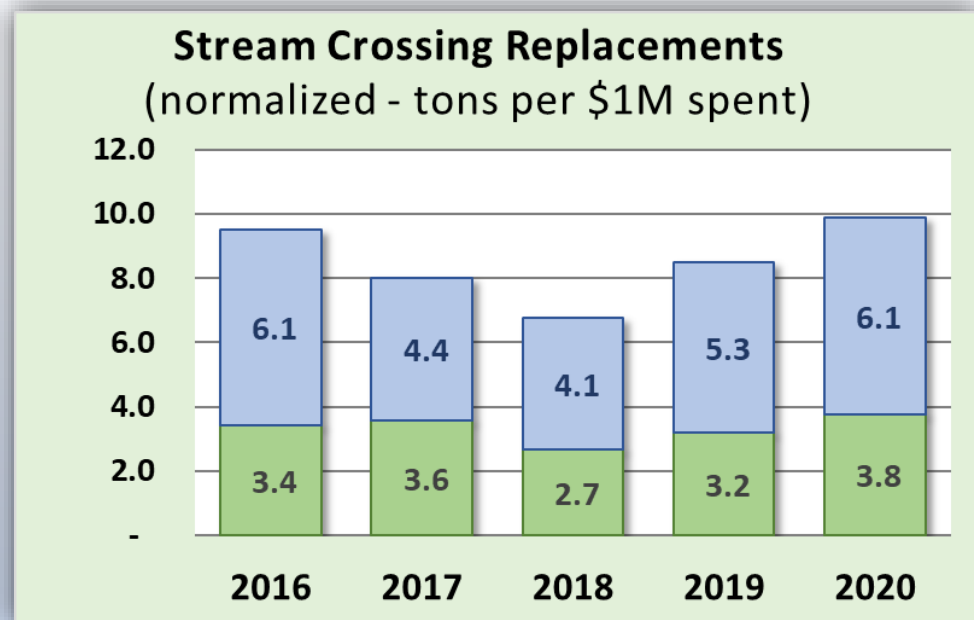
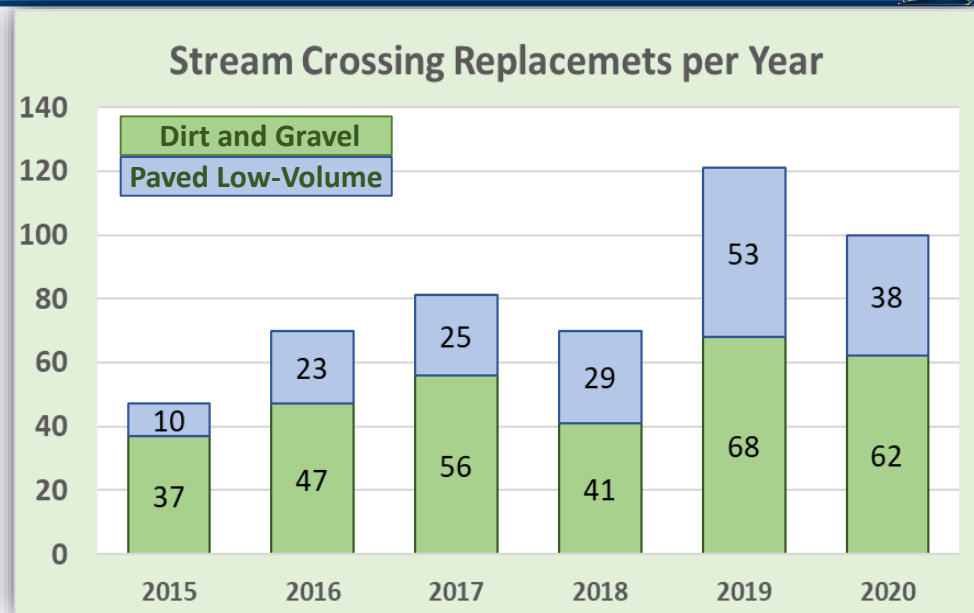
New Crosspipes Installed

- Most fundamental tool to disconnect road drainage
- Slightly decreasing over time
- Also track crosspipes replaced



Stream Crossing Replacements

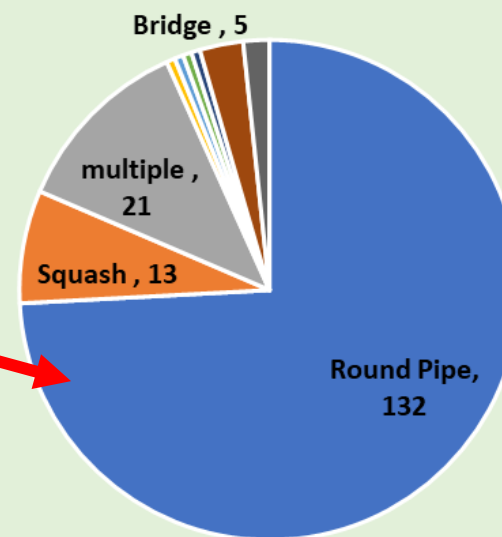
- Currently replacing ~100 per year
- Fairly consistent 5-year trend
- Improved data collected starting July 2019...



Stream Crossing Replacements

- 178 replacements since July 2019
- Old Structures: 75% were round pipes

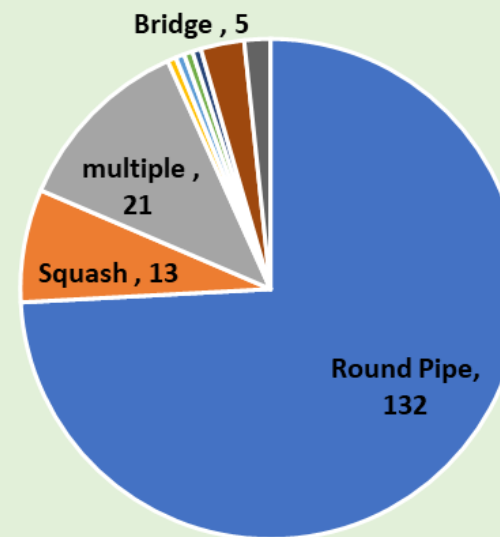
Type of Existing Structure Replaced (2020)



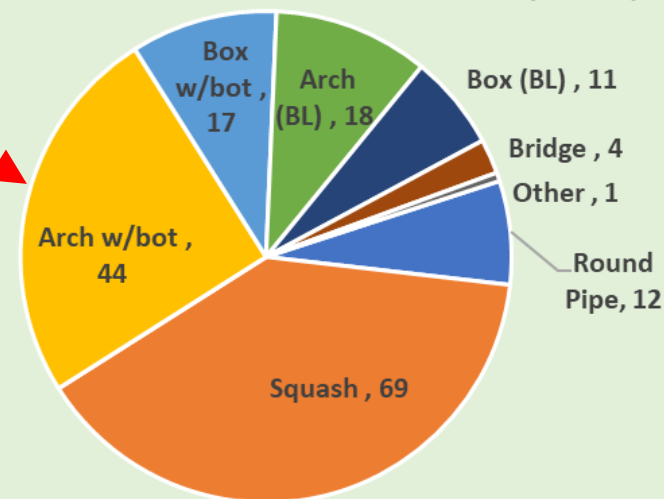
Stream Crossing Replacements

- 178 replacements **since July 2019**
- **Old Structures**: 75% were round pipes
- **New Structures**:
 - **Type**
 - 64% are squash or pipe arch (w/bottom)
 - 18% are bottomless (arch/box/bridge)

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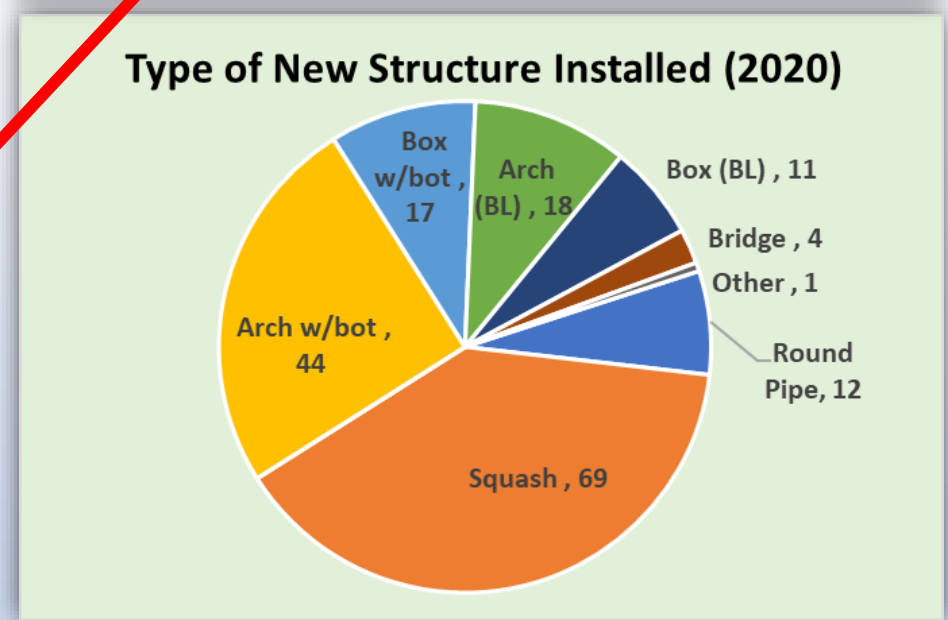
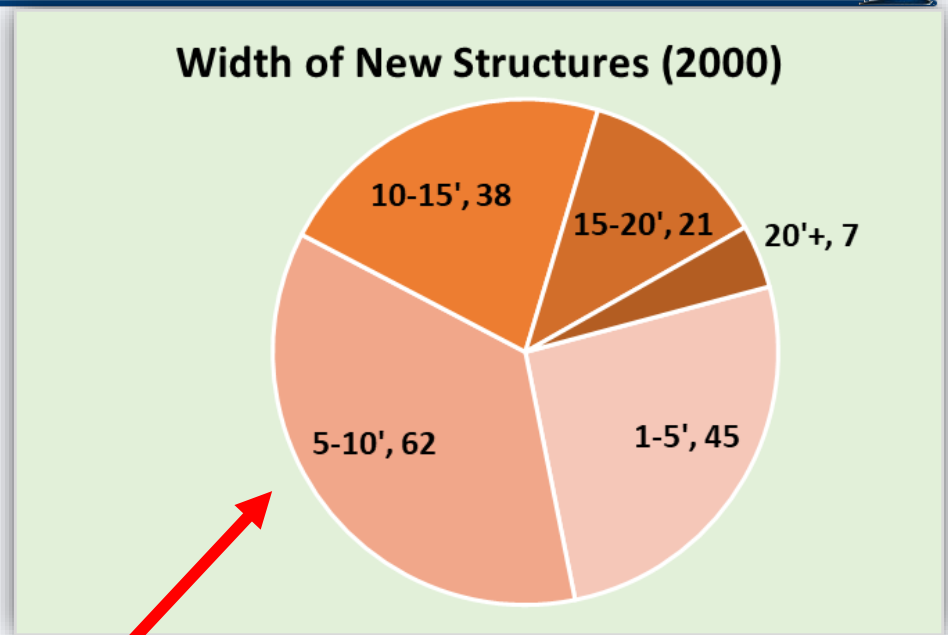
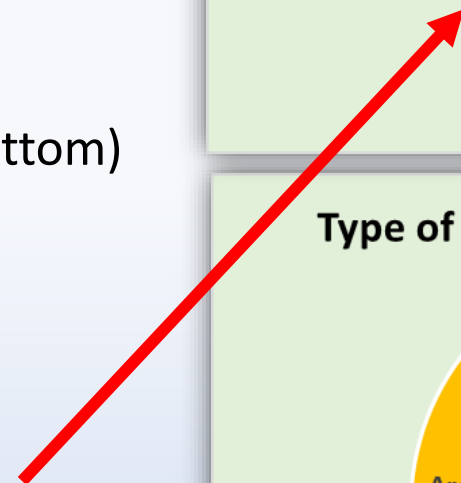


Type of New Structure Installed (2020)



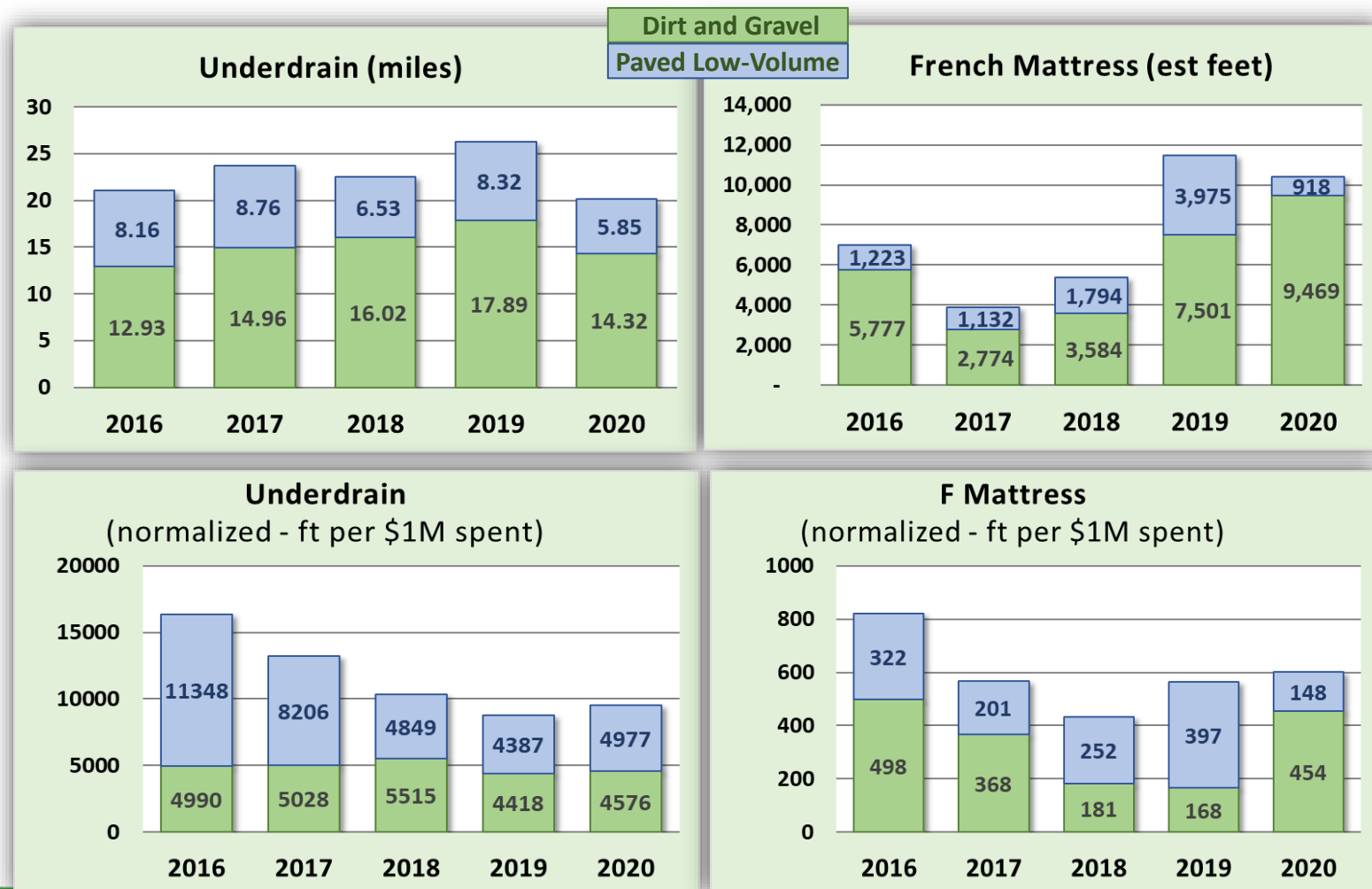
Stream Crossing Replacements

- 178 replacements **since July 2019**
- **Old Structures**: 75% were round pipes
- **New Structures**:
 - **Type**
 - 64% are squash or pipe arch (w/bottom)
 - 18% are bottomless (arch/box/bridge)
 - **Size**:
 - 62% are under <10' width
 - Average new structure width is 9.5'
 - Average 112% of bankfull width



Subsurface Drainage

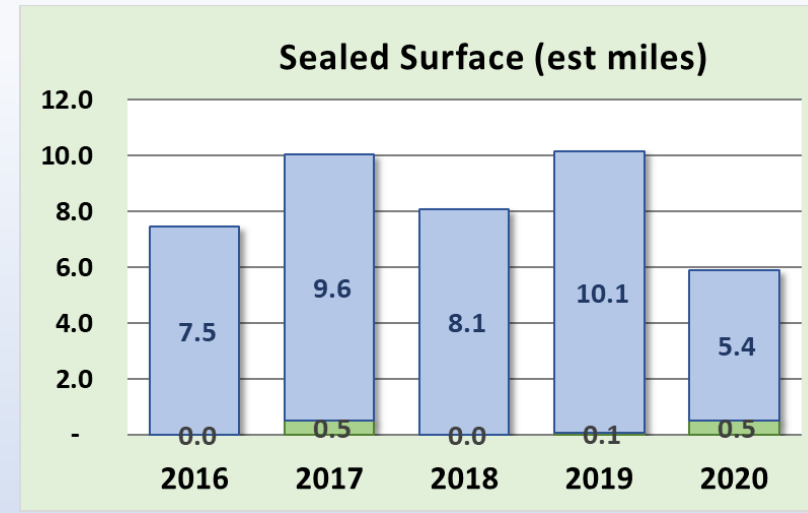
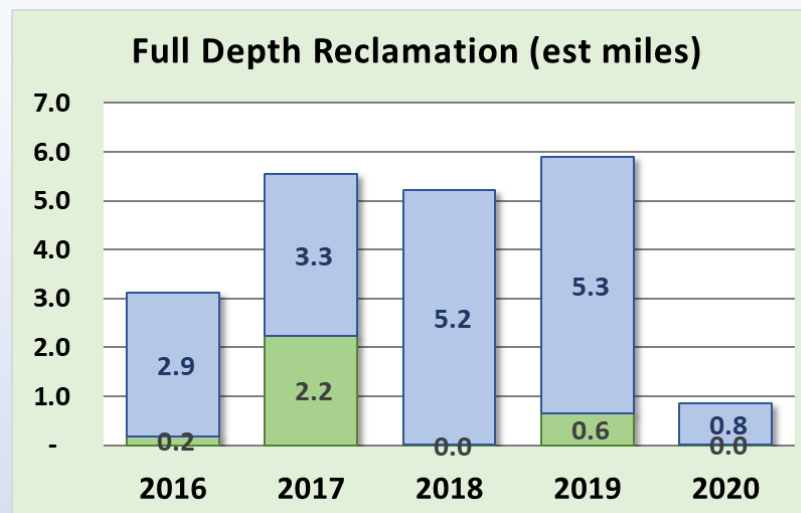
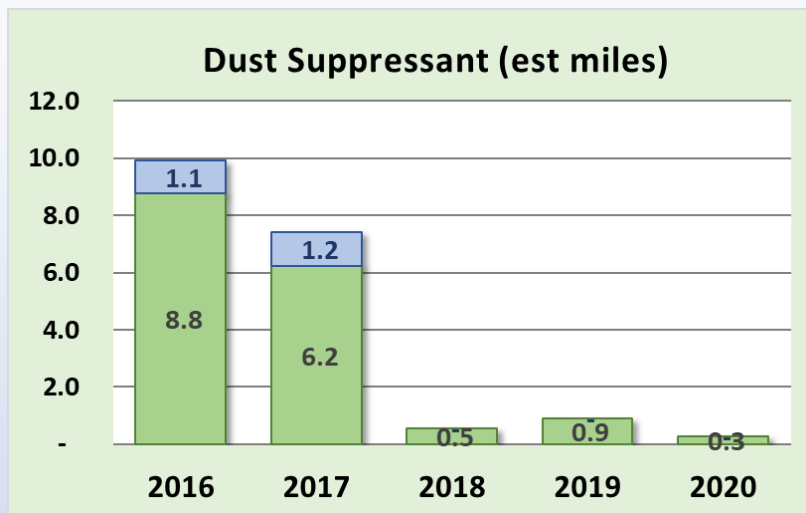
- Underdrains and French Mattresses used to address subsurface drainage
- Underdrain use consistent on DnG roads, decreasing on LVR roads
- French Mattress use steady or increasing



Very Minor Players

- Dust Suppressants: decreased to almost no use
- Full Depth Reclamation: additional requirements in 2019 decreased use
- Paving: most CDs only pay for what they disturb in fixing drainage. Note much of paving in graph below was in-kind.

Dirt and Gravel
Paved Low-Volume



Overall Trends

- Deliverables fairly consistent over last 5 years since funding increase
- Continued focus on drainage improvements with fill & pipes the main tools
- Decreasing in emphasis on Driving Surface Aggregate
- Spending on Paving, Dust Suppressants, and F.D. Reclamation is very minor
- More DGLVR funding going to stream crossings than in the past

Where did these numbers come from, and can I do this for my county?

Where did these numbers come from, and can I do this for my county?

- Numbers came straight from GIS
- YES, you can do the same thing and more for your county

- **Two 2019 Webinars recorded** 

- **March 7, 2019**
- **March 21, 2019**

CDGRS – education and training – webinars – past webinars

- **March 21: Detailed GIS Data Analysis Demo in Excel**
 - This webinar spent some time doing more detailed summarization and analysis of one county's GIS data in excel. It went into more detail on sorts, summarizations, formulas, and graphs, and other functions in excel.
 - [Webinar Download](#) (134 MB): MP4 format (~ 48 minutes)
 - Presentation Downloads:
 - [Adobe PDF](#) (809 KB)
 - [MS Powerpoint](#) (942 KB)
- **March 7: Analyzing GIS data for CDs**
 - Overview of GIS Reporting tools and tips and hints with analyzing GIS data for CDs.
 - [Webinar Download](#) (101 MB): MP4 format (~ 45 minutes)
 - Presentation Downloads:
 - [Adobe PDF](#) (1.08 MB)
 - [MS Powerpoint](#) (3.46 MB)

2020 Annual Summary Report

- Annual Report: Financial
- Annual Report: Deliverables
- **CD Financial Status**
- Allocation Eligibility



Reminders / Overview

- Currently in FY 2020-21, year 3 of 5-year agreement between SCC and CDs
- CDs have two years to spend funding
- **Allocations to CDs**
 - \$ 26.1 Million Annually
 - \$ 78.3 through first 3 years of this agreement
 - At least 80% required to go to projects, approx. ~90% does
- CDs get ½ their allocation up front, other ½ remains in Hbg for replenishment

Data as of
3/4/2021

Of the 78.3 million allocated under current 5-year agreement:

- \$2.8M remaining in Hbg *(10% of one annual allocation)*
- + \$33.4M remaining in CD Local Accounts *(128% of one annual allocation)*
- \$36.2M remaining funds (CD&Hbg) *(138% of one annual allocation)*

- \$21.0M committed but not paid to current contracts *(80% of one annual allocation)*

- \$15.2M uncommitted funds *(58% of one annual allocation)*

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Reminders / Overview

**Data as of
3/4/2021**

- **CDs have two years to spend funding**
 - Otherwise not eligible for future allocations
 - Allocations from ineligible CDs distributed to other CDs
 - LVR and DGR calculated separately
 - Allocations can resume in future FYs once spending requirements are met

Data as of
3/4/2021

Current Allocation Eligibility Status

- **DGR Green**: requirements already met, OK for FY 2021-22 DGR Allocations
 - 60 Counties
- **DGR Red**: requirements not yet met
 - 6 Counties
- **LVR Green**: requirements already met, OK for FY 2021-22 LVR Allocations
 - 59 Counties
- **LVR Red**: requirements not yet met
 - 7 Counties

- **CDs have until April 16th to meet spending deadlines**
- **This allows allocations to be taken to SCC at May Meeting**

Let's zoom out some more and look at the BIG BIG BIG picture...



Overall Program Lifetime Spending Summary (Since 1997)

Data as of
3/4/2021

\$243M Total Allocated to CDs (\$60M before 2014 funding increase, \$182M since)

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\$177M Spent on 5,870 Completed Projects

\$16M Spent on Administration at CDs

\$6M Spent on Education at CDs

\$30M contracted (423) with \$9M of that \$30M spent

Plus \$73M total in-kind!
This means Program has put
115%+ of funds allocated to
CDs on the ground to date.

\$229M of funding spent (\$208M) and Committed (\$21M)

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\$229M of funding spent (\$208M) and Committed (\$21M)

Only \$15M, or about ½ a year's allocation, currently uncommitted

With \$208M spent, and a “cumulative statewide spending requirement” of \$190M: Statewide, **spending is currently \$18M “in the green”**

Thank you

PA Conservation Districts

- Adapting to funding increase and changing policies and reporting requirements
- Administering efficient programs
- Meeting spending deadlines
- Submitting timely reports
- Putting good projects on the ground