

Dirt Gravel and Low
Volume Road Program

WEBINAR

3/9/23, 9am

Using DGLVR to Leverage Other Funding



If you have experience to share in combining funds, feel free. Enter it into the Q&A, or we will ask if anyone wants to unmute and join the conversation near the end of the session.

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OTHERS WELCOME TO SHARE



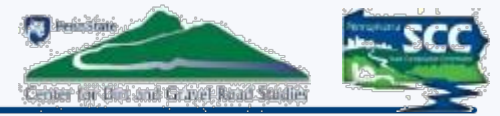
Leveraging Other Funding

- **Introduction**
- CD Examples
 - Allegheny
 - Clarion
 - Tioga
- CDGRS Examples
- Other Examples from attendees?
- Potential ACAP/DGLVR partnerships. ←
- Discussion / Questions



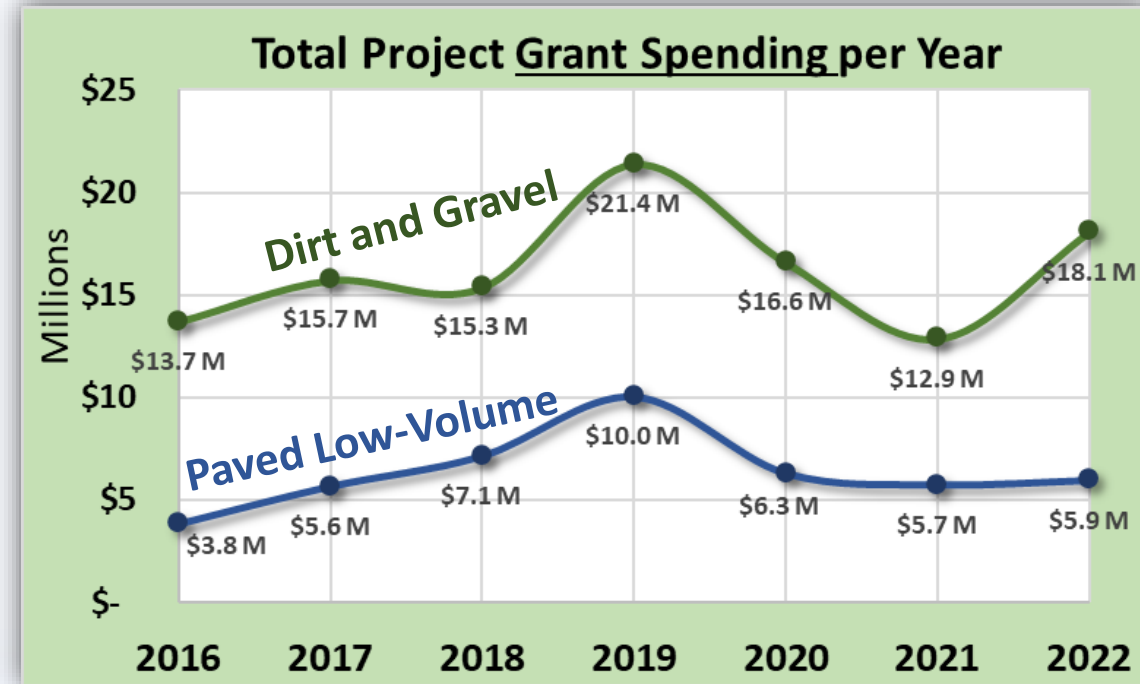
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Leveraging Other Funding: Introduction

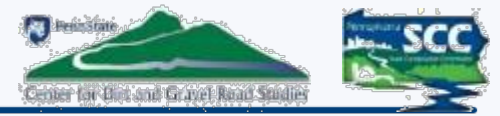


CDs spending annually through DGLVR

- ~\$25M on Projects
- ~\$2.5M on admin/edu expenses



Leveraging Other Funding: Introduction

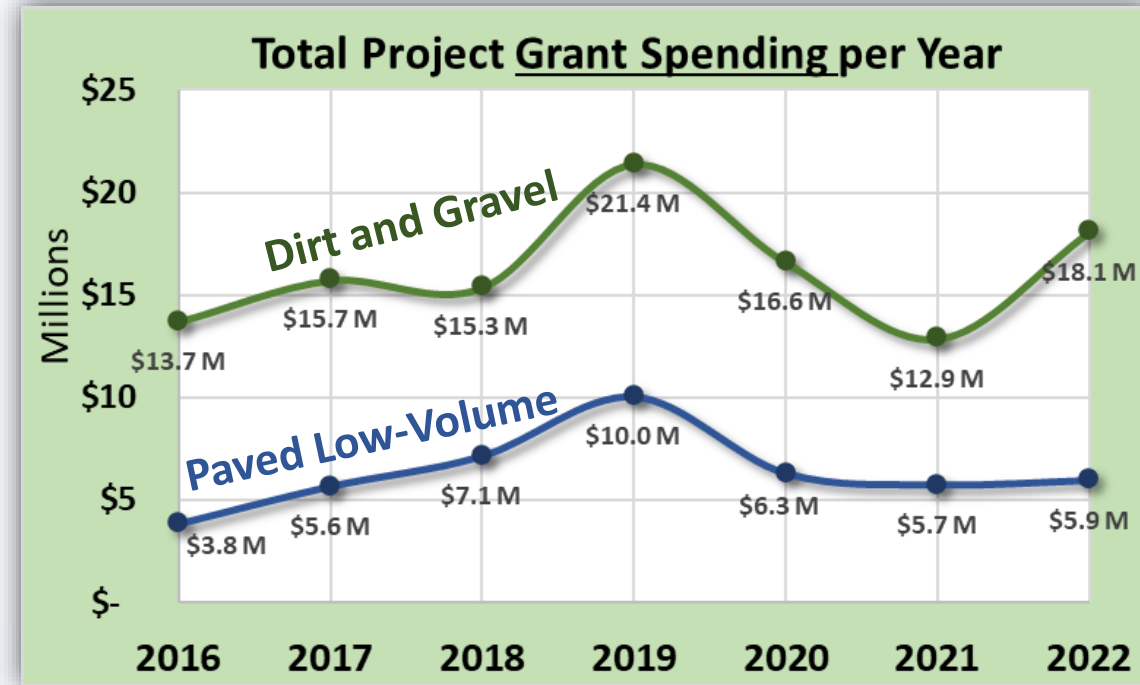


CDs spending annually through DGLVR

- ~\$25M on Projects
- ~\$2.5M on admin/edu expenses

How much of this funding is used as match with other funding?

- ??? Less than 5% ???

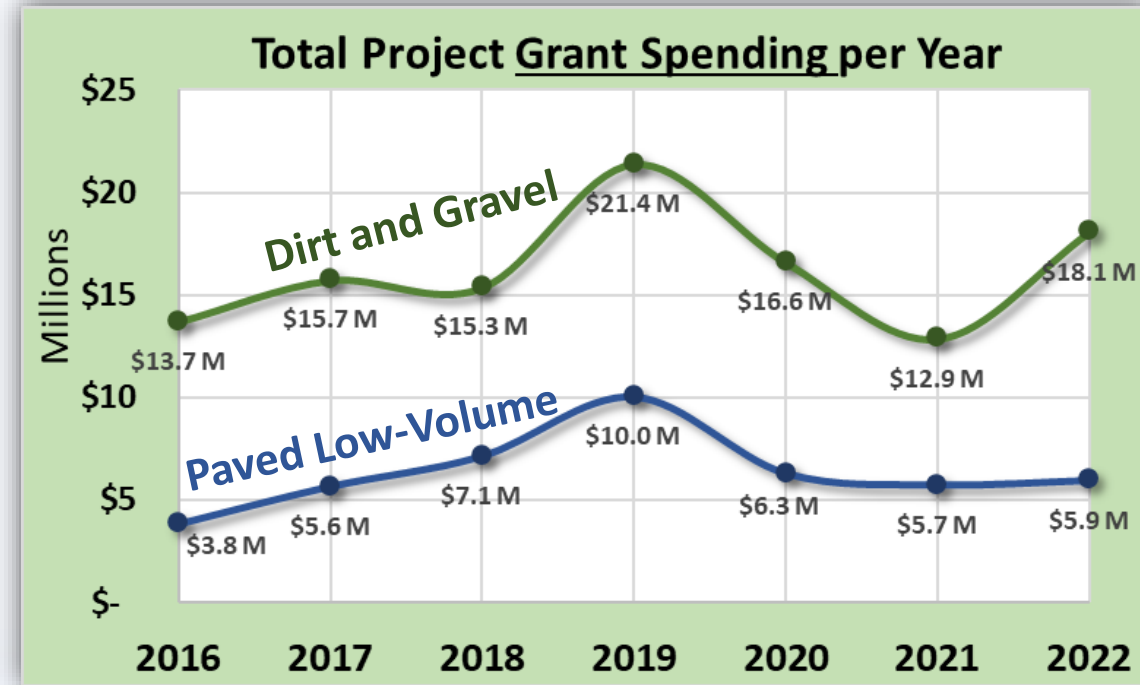


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Purpose Today: Provide examples and ideas to encourage the use of DGLVR funding to partner with and leverage funding from additional sources.

Why not use money the DGLVR Program is already spending to get additional funding and complete additional (or larger) projects.

Most federal grants require a non-federal match.

Leveraging Other Funding

- **Introduction**
 - **Potential Funding Sources**
 - Considerations When Mixing Funds



Potential Other Sources of Funding

- **NFWF**

National Fish and Wildlife Foundation

- Federal Funding
- 70+ grant programs
- Wide variety of initiatives and priorities
- Significant funding but competitive
- Require non-federal match (“strive for 200%” match)

Potential Other Sources of Funding

- NFWF
- **USFWS**

US Fish and Wildlife Service

- Federal Funding
- Wide variety of initiatives and priorities
- Require non-federal match

Potential Other Sources of Funding

- NFWF
- USFWS

- **Pittman-Robertson**

Pittman-Robertson

- Federal Funding
- For “wildlife restoration”
- Common on Game Commission lands

Potential Other Sources of Funding

- NFWF
- USFWS
- Pittman-Robertson
- **CIG**

Conservation Innovation Grants

- Federal Funding (USDA-NRCS)
- *Conservation Innovation Grants (CIG) is a competitive program that supports the development of new tools, approaches, practices, and technologies to further natural resource conservation on private lands.*
- Will provide example today.

Potential Other Sources of Funding

- NFWF
- USFWS
- Pittman-Robertson
- CIG
- **Multimodal Transportation**

Multimodal Transportation

- State Funding (PennDOT)
- *The program is intended to provide financial assistance to municipalities, councils of governments, businesses, economic development organizations, public transportation agencies, and ports and rail freight entities to improve transportation assets that enhance communities, pedestrian safety, and transit revitalization.*
- Will provide example today.

Potential Other Sources of Funding

- NFWF
- USFWS
- Pittman-Robertson
- CIG
- Multimodal Transportation
- **Growing Greener Plus**

Growing Greener Plus

- State Funding
- Growing Greener Watershed Restoration and Protection
- 15% match requirement

Potential Other Sources of Funding

- NFWF
- USFWS
- Pittman-Robertson
- CIG
- Multimodal Transportation
- Growing Greener Plus
- **Liquid Fuels**

PA Liquid Fuels

- State Funding
- NOT GRANT BASED
- PA Municipalities receive funding based on road miles and population
- Liquid Fuels are the basis of municipalities “normal road maintenance” budget
- Potential for conflicts with PennDOT Standards (will discuss example today)

Potential Other Sources of Funding

- NFWF
- USFWS
- Pittman-Robertson
- CIG
- Multimodal Transportation
- Growing Greener Plus
- Liquid Fuels
- **Other Local / Regional Sources**

This list is far from all-inclusive

- **Liquid Fuels: Grants from County to Municipalities**
- **Northwest Greenways Block Grant (PA)**
- **PENNVEST**
- **Department of Community and Economic Development**
- **Eastern Brooktrout Joint Venture**
- **Coldwater Heritage Partnership**
- **Chesapeake Bay Commission**
- **Great Lakes Basin Commission**
- **Western Pa Conservancy**
- **Susq River Basin Commission**

Potential Other Sources of Funding

- NFWF
- USFWS
- Pittman-Robertson
- CIG
- Multimodal Transportation
- Growing Greener Plus
- Liquid Fuels
- Other Local / Regional Sources
- **ACAP**

Agricultural Conservation Assistance Program

- State Funding
- will discuss today

Potential Other Sources of Funding

- NFWF
- USFWS
- Pittman-Robertson
- CIG
- Multimodal Transport
- Growing Greener PI
- Liquid Fuels
- Other Local / Regional
- ACAP

**You don't have to go it alone!
Find a partner!**

Many other entities don't have their own funding but are good at partnering and finding grants!

- **The Applicant!**
- **Trout Unlimited**
- **Western PA Conservancy**
- **Watershed Groups**
- **COGs**
- **PGC/DCNR/PAFBC/etc.**

Leveraging Other Funding

- **Introduction**
 - Potential Funding Sources
 - **Considerations When Mixing Funds**



Considerations When Mixing Funds

- **Priorities of other sources?**
- What are their funding priorities?
- Need to “spin” your project to show benefit to other sources.
- The same stream crossing replacement will be written very differently for Growing Greener Plus –vs- Multimodal funds –vs- DCED

Considerations When Mixing Funds

- Priorities of other sources?
- **Deadlines for other sources?**
- When are grants due?
- When are DGLVR applications due?
- Who is going to write the other grant?
- Planning and spending requirements in DGLVR.
- Planning and coordination will likely add time, plan ahead and don't "tie up" DGLVR funding.

Considerations When Mixing Funds

- Priorities of other sources?
- Deadlines for other sources?
- **Labor Rates: Federal Funds**
 - Federal: Davis Bacon
 - State: Prevailing Wage
 - PA will accept Davis Bacon guidelines
 - Threshold is \$2,000 contracts, not \$25,000
 - Separate federal wage determination website.

Considerations When Mixing Funds

- Priorities of other sources?
- Deadlines for other sources?
- Labor Rates: Federal Funds
- **Conflicting Standards or Goals?**
- Sometimes you can mix, sometimes you can't!
- If standards from other funding sources conflict with DGLVR standards, can't combine funds!
- For example, Liquid Fuels must meet PennDOT Standards, which may conflict with Program requirements.
 - Stream crossings
 - Use of polluting products

Considerations When Mixing Funds

- Priorities of other sources?
- Deadlines for other sources?
- Labor Rates: Federal Funds
- Conflicting Standards or Goals?
- **Match with admin/ staff time, not just projects?**
- Technical assistance and/or education may be a suitable match for some grants.
- What are you already doing for DGLVR (or other programs) that may be of value to others?
 - Environmental education for road owners
 - Technical assistance
 - Project oversight

Leveraging Other Funding

- Introduction
- **CD Examples**
 - **Allegheny**
 - Clarion
 - Tioga
- CDGRS Examples
- Other Examples from attendees?
- Potential ACAP/DGLVR partnerships.
- Discussion / Questions

Note we will be focusing on collaborations and funding today, not on project details.



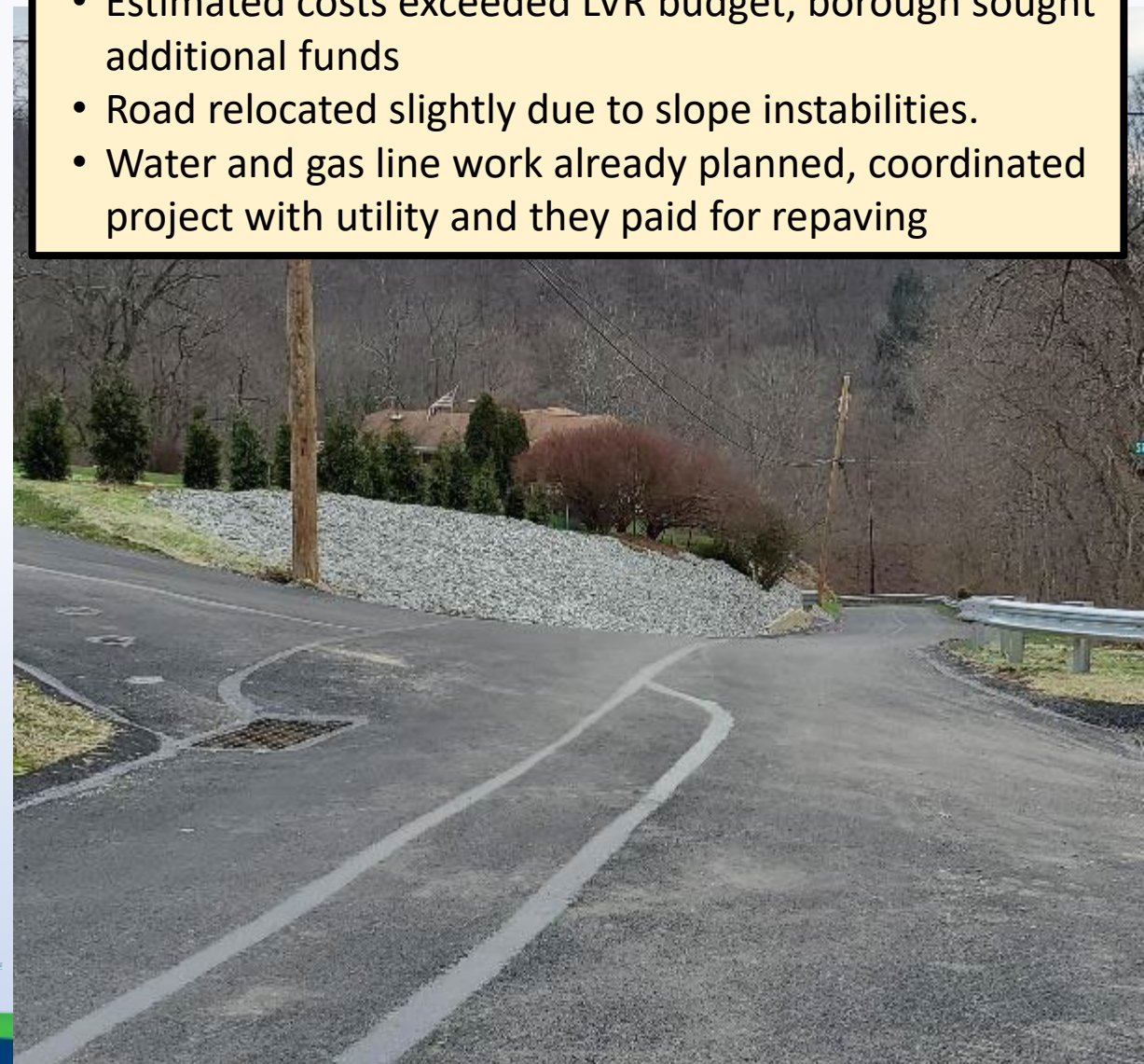
Allegheny County Conservation District

- Fuehrer Road, Lincoln Township
- DGLVR + Multimodal + Allegheny County + Utility company
- **DGLVR:** upslope drainage improvements. 3 basins, stepped stormwater system to filter
- **Multimodal:** Landslide mitigation
- **County:** Road Relocation
- **PA American Water:** Paving

- Landslide restricted road to 1-lane
- Borough approached CD in 2018
- Estimated costs exceeded LVR budget, borough sought additional funds
- Road relocated slightly due to slope instabilities.
- Water and gas line work already planned, coordinated project with utility and they paid for repaving

Funding Breakdown

- DGLVR: \$69,000
- Cty: \$150,000
- Multimodal: \$155,000
- Am Water: ~\$25,000
- TOTAL: ~\$400,000**



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Clarion County Conservation District - Project 1 of 3

- Old State/Asbury Road, Clarion and Millcreek Township
- DGLVR + Multimodal + County
- Completed 2019
- 24' W x 10' H x 24' L aluminum box with invert
- **DGLVR \$:** E&S controls (including restoration), guide rail, backfill material (2A), grade control material (R-8s and R-4s) and portion of engineering
- Multimodal, County, municipality: all other costs

Funding Breakdown

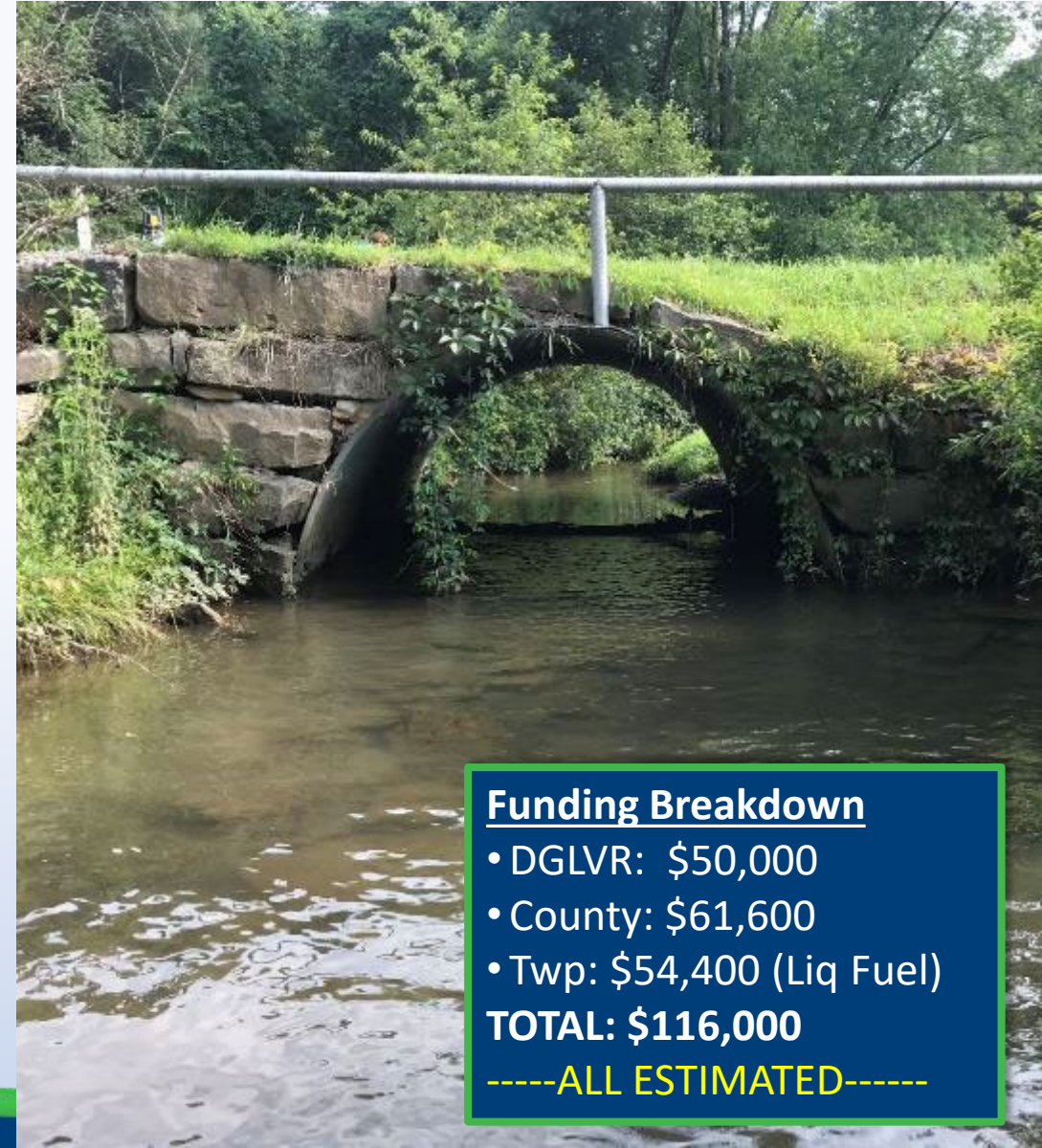
- DGLVR: \$50,600
- Multimodal: \$157,500
- County: \$20,000
- Twp: \$912
- TOTAL: \$229,012**



Note: Predates current policy/standard

Clarion County Conservation District - Project 2 of 3

- Smith Road, Porter Township
- DGLVR + Liquid Fuels + County
- Underway
- Bottomless structural plate arch (27' W x 6' H x ~30' L)
- **DGLVR:** in stream restoration, footers, E&S controls, a portion of engineering
- **County Aid:** (portion of) the replacement structure
- **Municipal in-kind:** E&S controls, remainder of structure, labor & equipment, remainder of engineering + geotechnical design
- **County + Liquid Fuels \$ mean that PennDOT standards and CDGRS policy must be met. Project has been in the 'design' phase for ~14 months.**



Funding Breakdown

- DGLVR: \$50,000
- County: \$61,600
- Twp: \$54,400 (Liq Fuel)
- TOTAL: \$116,000**
- ALL ESTIMATED-----

Clarion County Conservation District - Project 3 of 3

- Greer Road, Elk Township
- Grant just awarded 2/2023
- DGLVR + TU(local) + Northwest Greenways Block Grant (NWGBG)
- In-stream structures plus streambank stabilization practices
- **DGLVR:** oversight and portion of construction costs
- **TU:** portion of construction costs
- **NWGBG:** materials and portion of construction cost
- **Municipal in-kind:** labor and equipment to assist with construction



Funding Breakdown

- DGLVR: \$5,000
- TU (local): \$7,500
- NWGBG: \$17,500

TOTAL: \$30,000

-----ALL ESTIMATED-----

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Tioga County Conservation District

- Salt Spring Run, Liberty Township
- DGLVR + several others
- Completed 2017
- Two large (~32') GRS bridges
- Opened 11+ miles of trout habitat

Funding Breakdown

- DGLVR: \$258,700
- USFW: \$50,000
- NFWF: \$200,000
- Shell: \$30,000
- Twp: \$18,000
- TOTAL: \$556,700

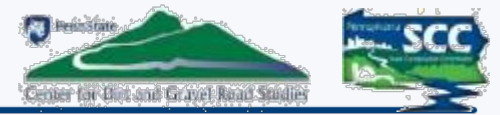


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Leveraging Other Funding: Introduction



Note: today is about potential collaborations, not about details of projects and results of research.

PennState
Center for Dirt and Gravel Road Studies

HOME PA PROGRAM RESOURCES GENERAL RESOURCES EDUCATION/TRAINING NEWS & EVENTS **CENTER**

Research

Home » About the Center » Research

- About the Center
- CDGRS Annual Calendar
- Center Info >
- Research >
- Current Research**
- Past Research >**

Research

CDGRS Examples

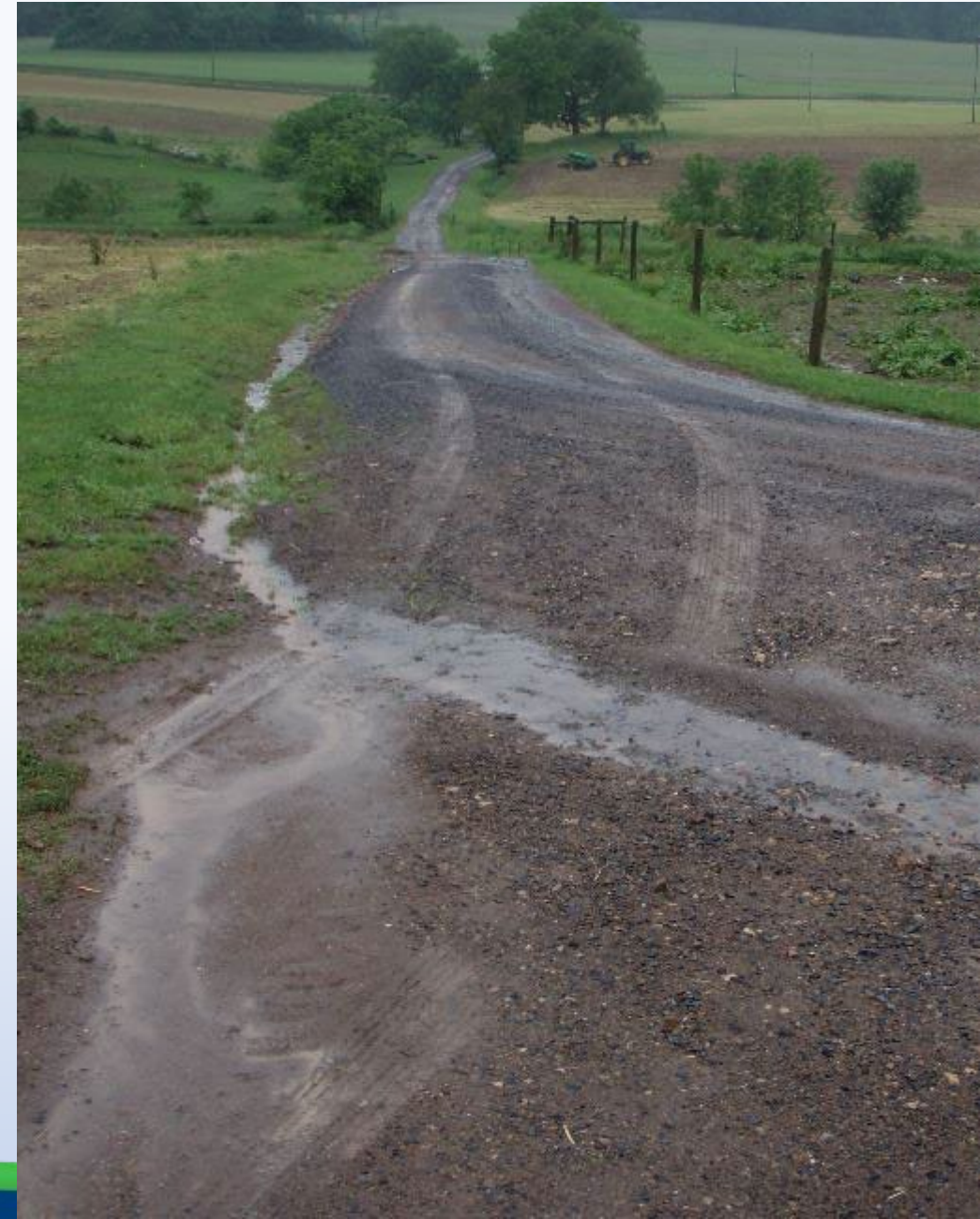
- CIG – Mifflin Farm Lanes

- **Purpose:**

- ESM practices on farm lanes
- Quantify sediment reductions
- Provide training for farmers

- **Partnerships:**

- Conservation Innovation Grant
- Mifflin County CD
- Paired w/ DGLVR funding on adjacent public roads



CDGRS Examples

- CIG – Mifflin Farm Lanes
- **CIG – Bradford Roadside Bioreactor**

• Purpose:

- Roadside treatment of ag runoff
- Quantify sediment / nutrient reductions
- Provide training for farmers

• Partnerships:

- USDA Conservation Innovation Grant
- Bradford County CD Project
- DGLVR funds for practices within ROW

Funding Breakdown

- Center Demo: \$60,000
- Bradford Project: \$140,000
- Personnel: \$55,000
- USDA: \$228,000

TOTAL: \$483,000



CDGRS Examples

- CIG – Mifflin Farm Lanes
- CIG – Bradford Roadside Bioreactor
- **TU – Tech Assist Match**



- CDGRS already providing technical assistance statewide.
- Used some of that time in “focus watersheds” as educational match for TU.
- TU was able to get NFWF grant for NAACC surveys, culvert design work, demo days, and more.

CDGRS Examples

- CIG – Mifflin Farm Lanes
- CIG – Bradford Roadside Bioreactor
- TU – Tech Assist Match
- **TU – CD Project Match**



- CDs already funding stream crossing replacements.
- Identified projects that would lead to trout habitat reconnection.
- TU used projects as match in several NFWF grants.

CDGRS Examples

- CIG – Mifflin Farm Lanes
- CIG – Bradford Roadside Bioreactor
- TU – Tech Assist Match
- TU – CD Project Match
- **WPC – CD Project Match & Center Training**

- WPC used match funds to secure 2023 NFWF grant.
- CDs already funding stream crossing replacements.
- Center already providing training and technical assistance.
- Identifies projects with high priority to enhance habitat.
- Funds AOP and Restoration coordinator position at WPC.



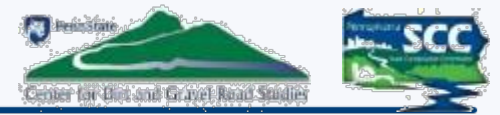
CDGRS Examples

- CIG – Mifflin Farm Lanes
- CIG – Bradford Roadside Bioreactor
- TU – Tech Assist Match
- TU – CD Project Match
- WPC – CD Project Match & Center Training
- **Shavers Creek Stream Crossing**

- DGLVR (CDGRS/SCC Demo) funds for structure
- PSU funded \$500K+ in additional road improvements (mostly taking advice on ESM practices)
- Juniata College did stream monitoring



Leveraging Other Funding: Introduction



Note: today is about potential collaborations, not about details of projects and results of research.

The screenshot displays the website for the Penn State Center for Dirt and Gravel Road Studies. The header includes the Penn State logo and the center's name. A green navigation bar contains links for HOME, PA PROGRAM RESOURCES, GENERAL RESOURCES, EDUCATION/TRAINING, NEWS & EVENTS, and CENTER. A yellow arrow points to the 'CENTER' link, which has opened a dropdown menu with options: CDGRS Annual Calendar, Center Info, Research, Trails, and ERM 448. Another yellow arrow points to the 'Research' option in the dropdown. Below the navigation bar, the main content area features a 'Research' heading and a breadcrumb trail: Home » About the Center » Research. On the left, a sidebar menu lists 'About the Center', 'CDGRS Annual Calendar', 'Center Info >', 'Research >', 'Current Research', and 'Past Research >'. The 'Current Research' and 'Past Research >' items are circled in red. The main content area shows a photograph of a silver car driving on a dirt road, kicking up dust, with the word 'Research' centered below the image.

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Combining DGLVR and/or using to leverage other funds

Other CD's have experience they would like to share?

“Raise hand” and we can unmute you

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Leveraging Other Funding: DGLVR and ACAP?

Combining DGLVR and ACAP?

• ACAP:

- Applicants are farms / ag operations.
- Separate contract with farm owner
- For BMPs that reduce sediment, nitrogen, or phosphorus on ag operations.
- Has to be in a manure management plan, nutrient management plan, ag E&S plan, or conservation plan.



Leveraging Other Funding: DGLVR and ACAP?

Combining DGLVR and ACAP?

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- For BMPs that reduce sediment, nitrogen, or phosphorus on ag operations.
- Has to be in a manure management plan, nutrient management plan, ag E&S plan, or conservation plan.

• **Most likely use of combining funds:**

- **Improving farm lanes that impact roadways.** Can fund DGLVR ESM practices to fix the farm lane / reduce pollution.
- **Reducing impacts to road from other “off row” water and sediment sources**
 - Field and barnyard runoff
 - Diversions and swales
 - Streambank stabilization

ACAP/DGLVR partner projects:

Maybe its own webinar in the future?



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Using DGLVR to Leverage Other Funding



Summary: Take something you need to do anyway, like fund DGLVR Projects... and use that spending as match to obtain additional funding.

CDGRS

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