

Dirt Gravel and Low
Volume Road Program

DGLVR Approvals: May 2022 SCC Mtg

WEBINAR

5/20/22

Starts 9am

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CDGRS

Steve Bloser

smb201@psu.edu

SCC

Roy Richardson

rrichardso@ps.gov



- **Purpose**
 - Provide General Overview and answer questions on DGLVR approvals from May SCC Mtg
 - CD Allocations
 - DSA Changes
 - Stream Crossing Documents
 - Admin Manual Changes
- Note this will not be a “deep dive” into the stream documents, we are planning separate webinars for that

DGLVR Items Approved at May SCC Mtg

- **Proposed FY 2022-23 DGLVR Conservation District Allocations (A)**
- Proposed Changes to DGLVR Driving Surface Aggregate (DSA) Standard (A)
- Proposed DGLVR Stream Crossing Documents (A)
 - Policy – *revised*
 - Standard – *new*
 - Technical Manual – *new*
- Proposed Changes to DGLVR Administrative Manual (A)



- **Conservation District DGLVR Allocations** – pending state budget approval
 - **DGR (\$20M) and LVR (\$8M) allocated separately**
 - Allocations are formula driven
 - **No changes to either formula for FY 2022-23**
 - **Minor changes in allocations due to:**
 - Difference in # of counties eligible for allocations
 - Changes in base data used in formulas

- **Dirt and Gravel (\$20M) Allocations**– pending state budget approval
 - Based on miles of unpaved road, miles of potential project site, HQ/EV watersheds, and cost of limestone
 - No changes to Formula
 - **On average: ~3% decrease for 22-23** (more counties eligible this year versus 21-22)
 - Largest increase 20% (\$22K) for Lehigh (identified new worksites)
 - Largest decrease 6% (\$23K) for Washington (decrease in limestone cost)

Conservation District Allocations

- Dirt and Gravel (\$20M) Allocations
 - Allocations provided in SCC handout for May meeting
 - Allocations available on CDGRS website, just search “allocations”
 - Pending State Budget approval

Search

Enter your keywords

Search results

Conservation District Allocations

... million). The documents below contain Conservation District **allocations**, formulas used to determine the **allocations**. The Dirt and Gravel Road alloc

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PA State Conservation Commission - Dirt, Gravel, and Low-Volume Road Maintenance Program DIRT AND GRAVEL Proposed Conservation District FY 22-23 Allocations

4/21/2022

County	for comparison 2021-22	FINAL 2022-23	notes	County	for comparison 2021-22	FINAL 2022-23	notes
Adams	\$ 100,000	\$ 100,000	min	Lackawanna	\$ 114,049	\$ 109,380	
Allegheny	\$ 100,000	\$ 100,000	min	Lancaster	\$ -	\$ 100,000	1
Armstrong	\$ 799,281	\$ 788,919		Lawrence	\$ 100,000	\$ 100,000	min
Beaver	\$ 107,594	\$ 106,708		Lebanon	\$ 100,000	\$ 100,000	min
Bedford	\$ 255,794	\$ 265,504		Lehigh	\$ 115,680	\$ 138,426	
Berks	\$ 100,000	\$ 100,000	min	Luzerne	\$ 197,697	\$ 187,822	
Blair	\$ 100,000	\$ 100,000	min	Lycoming	\$ 436,827	\$ 428,891	
Bradford	\$ 1,375,000	\$ 1,375,000	max	McKean	\$ 238,816	\$ 238,467	
Bucks	\$ 100,000	\$ 100,000	min	Mercer	\$ 172,742	\$ 169,163	
Butler	\$ 155,103	\$ 154,072		Mifflin	\$ 100,000	\$ 100,000	min
Cambria	\$ 117,614	\$ 114,615		Monroe	\$ 100,000	\$ 100,000	min
Cameron	\$ 115,898	\$ 114,171		Montgomery	\$ 100,000	\$ 100,000	min
Carbon	\$ 100,000	\$ 100,000	min	Montour	\$ 100,000	\$ 100,000	min
Centre	\$ 146,802	\$ 142,310		Northampton	\$ -	\$ -	1
Chester	\$ 100,000	\$ 100,000	min	N'uberland	\$ 202,633	\$ 197,205	
Clarion	\$ 367,404	\$ 356,574		Perry	\$ 161,726	\$ 160,052	
Clearfield	\$ 506,263	\$ 516,021		Pike	\$ 102,128	\$ 100,000	min
Clinton	\$ 179,194	\$ 178,336		Potter	\$ 842,490	\$ 827,372	
Columbia	\$ 362,569	\$ 364,869		Schuylkill	\$ 184,602	\$ 180,175	
Crawford	\$ 759,010	\$ 743,851		Snyder	\$ 129,744	\$ 128,761	
Cumberland	\$ 100,000	\$ 100,000	min	Somerset	\$ 471,953	\$ 458,079	
Dauphin	\$ 100,000	\$ 100,000	min	Sullivan	\$ 326,723	\$ 321,027	
Elk	\$ 235,790	\$ 235,580		Susquehanna	\$ 1,252,611	\$ 1,221,316	
Erie	\$ 531,151	\$ 523,080		Tioga	\$ 996,279	\$ 975,474	
Fayette	\$ 226,185	\$ 223,575		Union	\$ 100,000	\$ 100,000	min
Forest	\$ 158,558	\$ 154,216		Venango	\$ 529,717	\$ 512,142	
Franklin	\$ 100,000	\$ 100,000	min	Warren	\$ 499,237	\$ 505,414	
Fulton	\$ 172,908	\$ 168,511		Washington	\$ 374,284	\$ 350,832	
Greene	\$ 416,673	\$ 407,833		Wayne	\$ 482,191	\$ 472,625	
Huntingdon	\$ 320,324	\$ 313,379		Westmoreland	\$ -	\$ 137,906	
Indiana	\$ 586,052	\$ 571,957		Wyoming	\$ 322,155	\$ 325,975	
Jefferson	\$ 509,627	\$ 500,273		York	\$ 241,924	\$ 236,651	
Juniata	\$ 118,998	\$ 117,491		TOTAL	\$ 18,620,000	\$ 18,620,000	

NOTES:

min = minimum DGR allocation (\$100,000)

max = maximum DGR allocation (\$1,375,000)

1 = ineligible for 2021-22 DnG Allocation

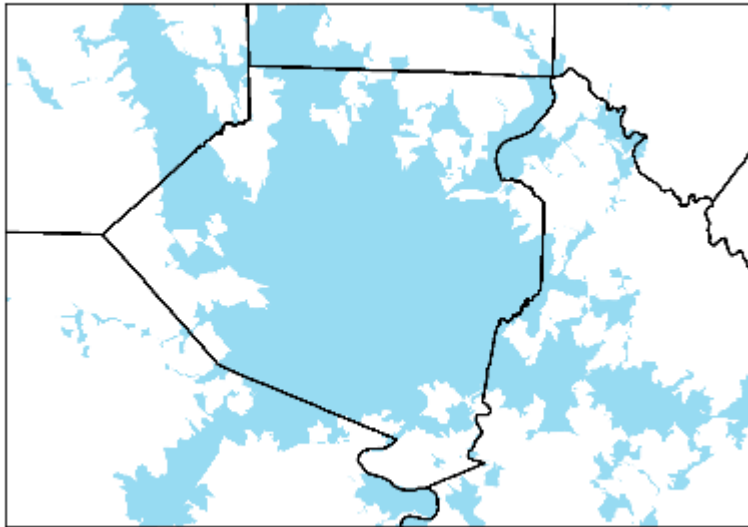
- **Paved Low Volume (\$8M) Allocations**– pending state budget approval
 - Based on miles potential Low Volume Roads, weighted based on proximity to stream and urban/rural classification
 - **No Changes to Formula**
 - **Changes to base data**
 - 2020 Census data: updated “urban area” designation
 - Roads: updated layer with updated pavement status
 - Streams: minor updates to stream layer

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Allegheny Example

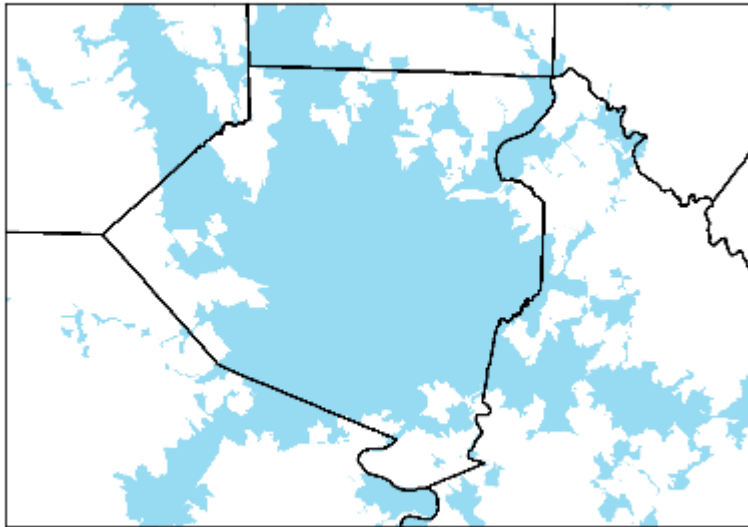
2018 “Urban Areas”



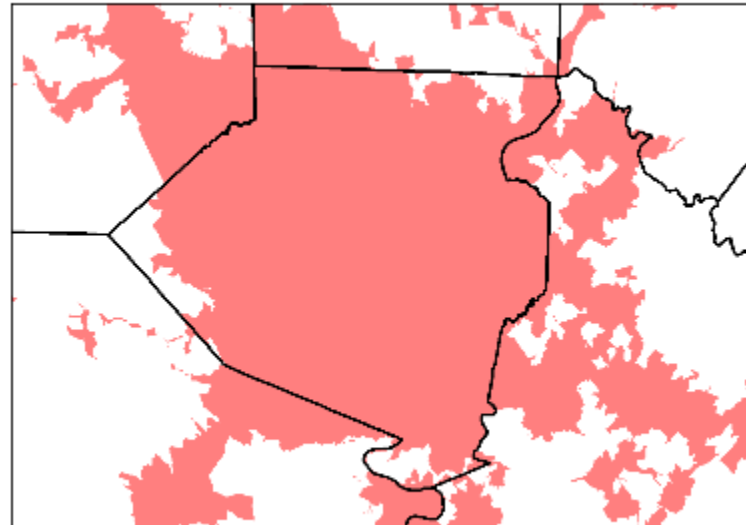
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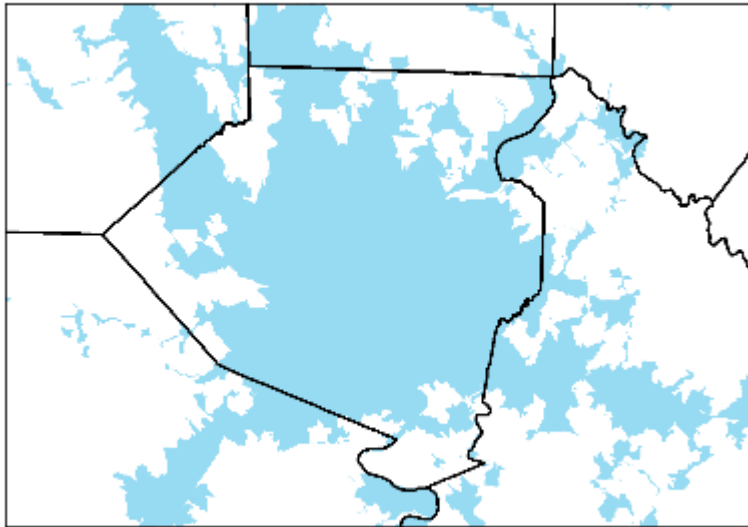
2020 “Urban Areas”



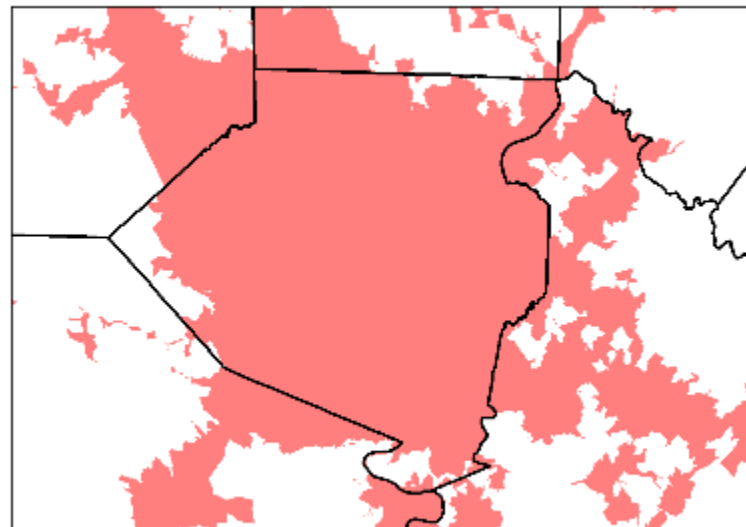
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Allegheny Example

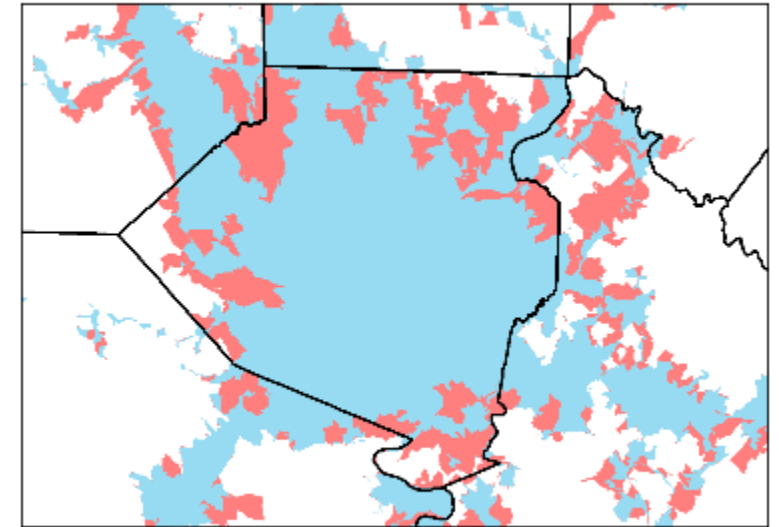
2018 “Urban Areas”



2020 “Urban Areas”



Pink = areas changed from “rural” to “urban”



Result:

- Allegheny County had 235 miles of LVR change from “rural” to “urban”
- Urban roads weighted less, led to 5% (\$14K) allocation reduction

- **Paved Low Volume (\$8M) Allocations**– pending state budget approval
 - Based on miles potential Low Volume Roads, weighted based on proximity to stream and urban/rural classification
 - No Changes to Formula
 - Changes to base data
 - 2020 Census data: updated “urban area” designation
 - Roads: updated layer with updated pavement status
 - Streams: minor updates to stream layer
 - **On average: \pm 7% allocation change for all districts**
 - One exception, an increase of 20% (\$21K) for Greene (roads reclassified as paved)

4/21/2022

- Low Volume Road (\$8M) Allocations
 - Allocations provided in SCC handout for May meeting
 - Allocations available on CDGRS website, just search “allocations”
 - Pending State Budget approval

Search

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[Conservation District Allocations](#)

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County	for comparison 2021-22	FINAL 2022-23	notes	County	for comparison 2021-22	FINAL 2022-23	notes
Adams	\$ 118,847	\$ 115,261		Juniata	\$ 66,672	\$ -	1
Allegheny	\$ 273,862	\$ 259,594		Lackawanna	\$ 84,925	\$ 80,819	
Armstrong	\$ 135,029	\$ 133,689		Lancaster	\$ 151,237	\$ 273,802	
Beaver	\$ 102,857	\$ 97,176		Lawrence	\$ 101,429	\$ 97,943	
Bedford	\$ 178,561	\$ 184,111		Lebanon	\$ 83,439	\$ 82,804	
Berks	\$ 257,046	\$ 253,354		Lehigh	\$ 130,880	\$ 128,436	
Blair	\$ 83,883	\$ 84,590		Luzerne	\$ 155,686	\$ 148,641	
Bradford	\$ 102,220	\$ 108,921		Lycoming	\$ 130,042	\$ 133,728	
Bucks	\$ 202,920	\$ 192,831		McKean	\$ 62,706	\$ 65,101	
Butler	\$ 187,394	\$ 184,896		Mercer	\$ 130,642	\$ 133,640	
Cambria	\$ 112,008	\$ 116,119		Mifflin	\$ 56,359	\$ 56,833	
Cameron	\$ 40,000	\$ 40,000	min	Monroe	\$ 129,087	\$ 127,001	
Carbon	\$ 51,787	\$ 51,747		Montgomery	\$ 177,556	\$ 171,340	
Centre	\$ 105,785	\$ 105,759		Montour	\$ 40,000	\$ 40,000	min
Chester	\$ 234,363	\$ 222,806		Northampton	\$ 124,225	\$ 124,893	
Clarion	\$ 91,636	\$ 90,039		N'uberland	\$ 101,613	\$ 101,651	
Clearfield	\$ 116,245	\$ 120,477		Perry	\$ 104,049	\$ 104,623	
Clinton	\$ 57,856	\$ 57,484		Pike	\$ 40,000	\$ 40,000	min
Columbia	\$ 82,462	\$ 84,718		Potter	\$ 60,527	\$ 61,272	
Crawford	\$ 102,351	\$ 106,239		Schuylkill	\$ 150,440	\$ 152,240	
Cumberland	\$ 128,066	\$ 127,049		Snyder	\$ 64,599	\$ 64,673	
Dauphin	\$ 124,602	\$ -	1	Somerset	\$ 175,294	\$ 180,579	
Delaware	\$ 84,943	\$ 84,492		Sullivan	\$ 40,000	\$ 40,000	
Elk	\$ 40,000	\$ 40,000	min	Susquehanna	\$ 68,434	\$ 69,892	
Erie	\$ 128,598	\$ 131,376		Tioga	\$ 60,007	\$ 63,315	
Fayette	\$ 148,146	\$ 149,469		Union	\$ 45,948	\$ 46,247	
Forest	\$ 40,000	\$ 40,000	min	Venango	\$ 71,258	\$ 73,191	
Franklin	\$ 122,388	\$ 116,179		Warren	\$ 55,798	\$ 57,215	
Fulton	\$ 61,644	\$ 64,137		Washington	\$ 207,238	\$ 205,005	
Greene	\$ 104,840	\$ 125,452		Wayne	\$ 97,006	\$ 96,753	
Huntingdon	\$ 106,493	\$ 108,825		Westmoreland	\$ 183,785	\$ 260,280	
Indiana	\$ 170,438	\$ 166,138		Wyoming	\$ 43,283	\$ 44,872	
Jefferson	\$ 97,872	\$ 101,647		York	\$ 258,694	\$ 256,636	
				TOTAL	\$ 7,448,000	\$ 7,448,000	

NOTES:

min = minimum LVR allocation (\$40,000)

1 = ineligible for 2021-22 DnG Allocation

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- **Proposed Changes to DGLVR Driving Surface Aggregate (DSA) Standard (A)**
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 - Policy – *revised*
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- Proposed Changes to DGLVR Administrative Manual (A)



Note: Changes effective 7/1/22

- **Contracts signed before 7/1/22 must follow existing DSA standard**

- **Driving Surface Aggregate**

Effective July 1,
2022

- **Two changes for 2022:**

- **Abrasion Resistance** (LA Abrasion)

- Increase minimum from 40 to 45 (this is a loosening of spec)
- Done to be consistent with PennDOT specifications

- **Paver placement requirement:** Decrease threshold where paver is required from current 1,000 tons to proposed 500 tons. Require carbide tipped grader blades for placements under 500 tons that are not paver placed.

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- **Proposed DGLVR Stream Crossing Documents (A)**
 - **Policy – revised**
 - **Standard – new**
 - **Technical Manual – new**
- Proposed Changes to DGLVR Administrative Manual (A)



Note: Changes effective 7/1/22

- Contracts signed before 7/1/22 must follow existing policy, not required to follow standard.
- Use of standard and new guidance is ENCOURAGED for contracts signed before 7/1/22.
 - May require amendments to existing contracts.

Effective July 1,
2022

Stream Crossing Documents

- Note this will NOT be a “deep dive” into the documents
- Three separate webinars scheduled for next week, will be recorded:
 - **Policy:** 5/25, 9am
 - **Standard:** 5/26, 9am
 - **Technical Manual:** 5/27, 9am
- These will also serve as “primers” for stream trainings.

Effective July 1,
2022

POLICY

- **Eligibility Policy:** **UNCHANGED** Crossings must be undersized (75% or less of bankfull channel width) to qualify for funding.
- **Replacement Structures:**
 - ~~Have a structure width at least equal to bankfull width (100 percent ratio).~~
 - ~~Be properly aligned with the channel when possible.~~
 - ~~Consider additional floodplain connectivity when possible.~~
 - ~~Be designed and constructed to accommodate the passage of aquatic organisms through the structure.~~
 - **Must follow (NEW) DGLVR Stream Crossing Replacement Standard**
 - **More CD involvement:** initial site assesment, site meetings, plan review, inspection during installation, CD training requirement
 - **Exemptions** for smaller channels or special circumstances.
 - Example: small spring seep
 - Example: steep channel with natural AOP barriers

STANDARD (new)

- Increase minimum structure width from 100% to 125% bankfull channel
- Require added streambed depth in structures, and low-flow channels
- Require longitudinal profile survey with goal of stream continuity
- Require bottomless structures over certain slopes (4%)
- Require CDs to review permit plan and bid package
- Construction design plan requirements for engineers
- Increased oversight and inspection from engineers
- Engineer certification

**Effective July 1,
2022**

VI. **CONSTRUCTION PLANS AND SPECIFICATIONS**

Construction plans and specifications shall be designed and prepared in accordance with this standard. Construction plans and specifications shall be prepared for all stream crossing projects, regardless of who the contractor or installer may be (applies to municipality installed projects). Clearly describe the requirements for applying the practice to achieve its intended purpose in the plan and specifications. At a minimum, the plan and specifications must include the following:

- A. Existing conditions of project site, including but not limited to the full longitudinal profile survey and cross sections of the stream, existing stream crossing, stream crossing and channel slope, road approaches, and delineated wetlands (if applicable).

TECHNICAL MANUAL (new)

1. Introduction
2. Understanding the standard
3. Initial Site Assessment
4. Longitudinal Profile Survey
5. Grant Application (Material Selection & Cost Estimation)
6. QAB Ranking & Review
7. Writing a Contract
8. From Contract to Construction
9. Installation and Constructions Inspection (active project oversight)
10. Final Inspection & As-built Notes
11. Maintenance
12. Engineering Design, Permitting, and Bidding a Stream Crossing

Chapters 1 & 2 are background and spec detail

Chapters 3-11 in chronological order and directed at CDs

Chapter 12 directed at engineers

Technical Manual does not contain additional requirements not already specified in Policy or Standard.

Stream Crossing Trainings

- Had “internal” test run of trainings this week.
- 6 Regional trainings Scheduled June through December.
- Each training consists of 4 virtual and 2 in-field sessions over two weeks.

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Week #1

- **Session #1 - Virtual** – Initial Site Assessment / Stream Morphology / Admin Manual & Stream Standard Requirements
- **Session #2 - Field** – Initial Site Assessment / Stream Evaluation Form / Waivers / Longitudinal Profile Survey / Cross Sections / Reference Reach / Field Measurement Data Entry
- **Session #3 - Virtual** – Developing Project Recommendations for Grant Estimation / Stream Crossing Notification Requirements

Week #2

- **Session #4- Virtual** - Request for Proposal Template / Pre-Design Meeting / Draft Permit & Construction Plan Review for DGLVR Program Consistency
- **Session #5 - Virtual** - Bid Documents & Shop Drawing reviews for DGLVR Program Consistency / Municipal Bid Site Showings
- **Session #6 - Field** – Pre-Construction Meeting / Project Implementation & Construction Inspection / Engineer Certification / Project Completion Reporting

Stream Crossing Trainings

- Trainings taken this year WILL COUNT for certification requirement that goes into place 7/1/2023 (currently a 3-year certification).
- Full Details online, registration is open, limited to 15 per session. (NW is full)

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[DGLVR Stream Crossing Replacement Certification Trainings](#)

The Center has scheduled an initial round of 6 **Stream** Crossing Certification **Trainings** for Conservation Districts for 2022. These **trainings** will not only ...

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- **Proposed Changes to DGLVR Administrative Manual (A)**



- **DGLVR Administrative Manual**

**Effective July 1,
2022**

- Current version July 2020

- **Significant Changes**

- ~~DSA Standard Changes (already covered)~~
- ~~Stream Crossing Replacement Policy (already covered)~~
- ~~Stream Crossing Replacement Standard (already covered)~~

- **Most other changes minor clarifications**

- **DGLVR Administrative Manual**

**Effective July 1,
2022**

Notable changes:

- 3.4.2 – Clarification on Cost Allocation Methodology, administrative and education expenses
- 3.5.3 – Increased threshold for amendments from 20% to 40% of original contract amount
- 3.7.4 – Clarification on when headwalls and end walls must be used
- 3.7.4 – Increased maximum allowed for engineering costs from 10% to 20% of contract amount with a \$25,000 cap
- 7.2.3 – Fill exemption for DSA: changed from requiring a minimum of 12 inches of road fill including the thickness of the driving surface to a minimum of 12 inches not including the driving surface
- Appendices added or updated:
 - Appendix E – New appendix to show examples of cost allocation methods
 - Appendix F – The DSA Standard and Specification with the proposed new changes
 - Appendix G – The proposed new Stream Crossing Replacement Standard
 - Appendix H – Stream Crossing Replacement evaluation
 - Appendix I – Exemptions from Stream Crossing Standard