

**Lancaster County Conservation District**  
**Minutes of the Meeting of the Low Volume Road QAB**  
**September 4, 2019**  
**5:30 PM**

**Location of Meeting:**

Farm & Home Center  
1383 Arcadia Rd  
Lancaster, Pennsylvania 17601

**Present at Meeting:**

QAB Voting Members: Herb Krieder, Jay Snyder, Heather Grove, and PAFBC Officer Jeff Schmidt,  
QAB Alternates/Advisors: Darrell Becker and Frank Burkhart  
LCCD Staff: Matthew Kofroth, Nate Straw, Bryce Workman, and Kim Dugan  
Penn Township Public Works Director – Daryl Lefever

The meeting of the Dirt & Gravel Road QAB of Lancaster County Conservation District was called to order at 5:30 PM on September 4, 2019 at the Farm & Home Center by Matthew Kofroth.

**I. The agenda for the meeting was distributed.**

- Program Purposes
- Program Changes
- Summer Workshop
- Program Budget Review
- Potential Contract Amendment
- Review 2019/2020 LVR Applications
- Forward LVR Projects to LCCD Board

**II. Program Purposes**

- Reduce concentrated drainage
- Reduce sediment pollution
- Reduce impact of roads on the land
- Reduce long – term maintenance costs

**\*Better Roads Cleaner Streams**

**III. Program Changes**

- Funding can be advanced before receiving permits but work can not begin before permits are received
- No round pipes over 3' allowed in **streams**, oval or squash pipers are acceptable
- Prevailing wage notification and acknowledgement forms must be signed and received regardless of contract amount.

#### **IV. Summer Workshop**

D&G/LVR Workshop was held on June 19<sup>th</sup> at the Farm & Home Center. Approximately 30 individuals from municipalities within Lancaster County attended. New policies and procedures were discussed. One of the main objectives of the workshop is to get the word out on the objectives of the D&G/LVR program as well as to educate.

#### **V. Budget**

The 2019/2020 was discussed. The budget was increased \$3000 to \$274,287. Ten percent of the budget can be used for Administrative Costs and 10% can be used for Education. The possibility of purchasing a drone at some point was discussed.

#### **VI. Grant Applications Review and Discussions**

East Petersburg is looking for an amendment to current contract for funding of an additional \$7,200. This would be for additional infiltration, make rain garden larger and to place downspouts directly to stream.

##### **1.) Drumore Township - Susquehannock Drive/T-445**

##### **Amount of Grant Requested: \$17,678.34**

1. Ditches Improved
2. Off Right-of-Way Improvements
3. Road Banks Improved
4. Road Base Improved
5. Storm Water Improvements

##### **In-Kind Contributions \$12,325.00**

This is below Muddy Run and empties into Fishing Creek. Matt explained this area is extremely steep. water is across the road. Township wants to sure up edge of road. They would like to stabilize outlet, grade and add new crosspipe. Jay questioned if they will use the same grade. Matt stated it is difficult to see in the current crosspipe. Jay questioned if they would not still have the same problem in the end. Frank stated he felt putting rip rap in the area would "be a bear". Matt felt the Township was currently doing a good job.

## **2.) Fulton Township - Cherry Hill Road**

**Amount of Grant Requested: \$4,420.40**

1. Ditches Improved
2. Off Right-of-Way Improvements
3. Storm Water Improvements
4. Upgrade Storm Water Controls

**In-Kind Contributions: \$1684.36**

The Township has received funding previously for work on Rigby Road. The Township would like to create a swale edge and install terraces to curtail some of the run off. Would like to install crosspipe, pipe outlet, rock, rip rap and replace pipe at bottom. Jay questioned if the swale was going to be wide enough. He also questioned how wide but Matt said it was not present on the design. Matt stated the Township has been working with The Center for D&G/LVR. The Township is open to and takes advice from the District.

## **3.) Providence Township - Snyder Hollow Road**

**Amount of Grant Requested: \$13,402.22**

1. Ditches Improved
2. Ditch Outlets Added
3. Off Right-of-Way Improvements
4. Storm Water Improvements

**In-Kind Contributions: \$19,223.19**

Nate explained there is a lot of construction going on causing issues with taking material down the road and into the stream. The Township would like to install new pipe, apply rip rap, stabilize outlet to move water off road. Daryl asked what happens if the land owner does not cooperate? Matt stated the owner is very cooperative. Jay questioned how big the drainage area is. Frank asked if the area is lawn or pasture? Daryl questioned if the driveway is stoned or paved?

#### **4.) Eden Township - Loop Road**

**Amount of Grant Requested: \$15,900.00**

1. Ditches Improved
2. Road Surface Stabilized
3. Storm Water Improvements

**In-Kind Contributions: \$8,040.00**

Matt explained the Township's original plan was not good. The Center for D&G/LVR worked with Eden Township to come up with a new plan. They would like a catch basin to existing basin. People are dumping trash and debris causing issues. One property owner is not cooperative. Matt explained the project scores higher because it's a high quality stream. Daryl asked if the project meets the objectives. Frank stated the project needs to be maintained (perforated pipe).

#### **5.) East Earl Township - Twin Hill Road**

**Amount of Grant Requested: \$68,426.81**

1. Ditches Improved
2. Ditch Outlets Added
3. Off Right-of-Way Improvements
4. Road Banks Improved
5. Stream Crossings Improved
6. Storm Water Improvements
7. Vegetative Management

**In-Kind Contributions: \$59,705.85**

Run off coming down road. Stream crossing is failing. They want to capture water in front outlet to another cross pipe, install inlet and squash pipes. Farm does have terraces. Jay stated lining the trenches will not fix the problem. They need to stop the water from coming down sooner. Frank felt the engineering costs were high. Matt explained those costs were actually low.

**6.) Christiana Borough – Dorinda Drive**

**Amount of Grant Requested: \$29,560.00**

1. Storm Water Improvements

**In-Kind Contributions: \$5,880.00**

Matt explained the Boro has very limited options as sanitary sewer line goes right aside of. Constant issues as there are only one storm drain which was built in 1960-1970. Video was shown to show problems. Matt stated the Boro is struggling with what to do. They need educated. Wider grass swales are need. Too much water is coming into one place. Frank stated rip rap and swales are a good thing but the need to take route up.

**7.) Earl Township – Snapper Drive**

**Amount of Grant Requested: \$71,994.00**

2. Ditches Improved
3. Stream Crossings Improved
4. Storm Water Improvement

**In-Kind Contributions: \$46,444.00**

The Township wants to replace stream crossing which is severely undersized. The outlet is entrenching itself; Frank stated there is clean water at the top of the stream there must be field dirt coming down. Jay mentioned pulling banks out and Herb questioned stream work..

**8.) Elizabeth Township – Pumping Station Road Walnut Creek**

**Amount of Grant Requested: \$17,415.00**

1. Road Banks Improved
2. Stream Bank Stabilization

**In-Kind Contributions: \$2,303.40**

Road bank stabilization needed with; bigger rock. Area has been hit hard last couple years with flooding. Daryl questioned using rip rap before. Matt explained they were not using the correct stuff. Jay agreed with Matt.

**9.) Penn Township – Airy Hill Road**

**Amount of Grant Requested: \$46,528.87**

1. Ditches Improved
2. Off Right of Way Improvements
3. Road Banks Improved
4. Road Base Improved
5. Road Surface Stabilized
6. Storm Water Improvements
7. Widened, Reclaimed, and Paved
8. Vegetative Management

**In-Kind Contributions: \$175,956.16**

Matt stated this is a water quality program. Prime turtle area. Lefever stated this is an extremely flat area with flooding issues. Frank stated they need to make sure the road is raised enough. They plan on hauling 6-8” of stone to raise road 8-10”.

**\*Matt explained the remaining projects were borderline or not eligible.**

**10.) West Cocalico Township – Project Drive**

Requested \$16,251.

1. Road Base Improved
2. Road Surface Stabilized
3. Stream Crossings Improved
- 4.

Not meeting program guidelines. Matt does not recommend funding.

**11.) Lancaster Township – Spring House Road**

**Requested \$17,825.00**

1. Off Right-of-Way Improvements
2. Storm Water Improvements

Prior funding, swale is done but want to replace pipe.

**12.) Lancaster City – Landis Drive**

**Requested \$140,118**

1. Storm Water Improvements
2. Infiltration Trenches

Matt explained this is a Green Infiltration area.

**13.) Lancaster Township – Spring House Road**

1. Ditches Improved
2. Off Right-of-Way Improvements
3. Storm Water Improvements
4. Vegetative Management

Daryl felt it was pretty far off road. Matt said it was almost at Michelle Road and it was far back on private property. There is an eroding swale.

**13.) Upper Leacock Township– Bridge Road**

1. Road Banks Improved
2. Road Base Improved
3. Road Surface Stabilized

Full depth reclamation - Matt stated they want to use chemical means rather than stone. Jay felt it didn't seem like a lot of erosion, full depth will not solve problem it will just make it look pretty.

Matt mentioned the scenario of removing last five requests from list.

Herb discussed funding the first 4 projects at 100%.and to fund Christiana at a lower amount as their In-Kind contributions are low. Jay said East Earl - Twin Hill Road needs more turnouts, Office Schmidt concurred and recommended removing East Earl from funding along with last five projects on the list as they really didn't meet the guidelines. Heather brought up funding the Amendment for East Petersburg.

The following chart shows the recommendation of the board motioned by Herb Kreider and 2<sup>nd</sup>. by Jay Snyder. Motions passed unanimously.

<u>Municipality</u>	<u>Road</u>	<u>Awarded Amount</u>	<u>Proposed Solution</u>
Drumore	Susquehannock Drive	<b>\$17,678</b>	Swale and ditch protection on a very steep section of roadway resulting from off right-of-way stormwater issues.
Fulton	Cherry Hill Road	<b>\$4,420</b>	Swale improvements to control off right-of-way stormwater issues.
Providence	Snyder Hollow Road	<b>\$13,402</b>	Install several new cross pipes to alleviate roadway runoff issues.
Eden	Loop Road	<b>\$15,900</b>	Underdrain and storm drain installations to control groundwater issues.
Christiana Borough	Dorinda Drive	<b>\$20,000</b>	Rain garden installation with forebay entering into improved rock swale.
Earl	Snapper Drive	<b>\$71,994</b>	Culvert/bridge replacement of undersized structure.
Elizabeth	Pumping Station Road	<b>\$17,415</b>	Streambank and road side protection due to stream encroachment.
Penn	Airy Hill Road	<b>\$46,528</b>	Full Depth Reclamation on section of road to alleviate roadway flooding issues.
<b><u>TOTAL</u></b>		<b><u>\$207,337</u></b>	

\*Also approved a funding amendment for East Petersburg Borough's 2018/2019 Low Volume Rd. grant by adding an additional \$7,270 for project construction issues.