

Forest County - 2020 Projects

In 2020, the Forest County Conservation District received valuable assistance from the Jefferson County Conservation District during the construction phase of our Dirt, Gravel, and Low Volume Road (DGLVR) projects. This collaboration enabled us to continue our commitment to improving local infrastructure and protecting our natural resources.

Below, you can find collages featuring detailed information about each of the completed projects in Forest County for 2020:

- **Jenks Township - Lamonaville Road**
- **Kingsley Township - Branch Road**
- **Tionesta Township - Stitzinger Road**
- **Tionesta Borough - Elm Street (Low Volume)**

We invite you to explore these collages and learn more about our efforts to maintain and improve our local roadways.

Jenks Township – Lamonaville Road

Forest County



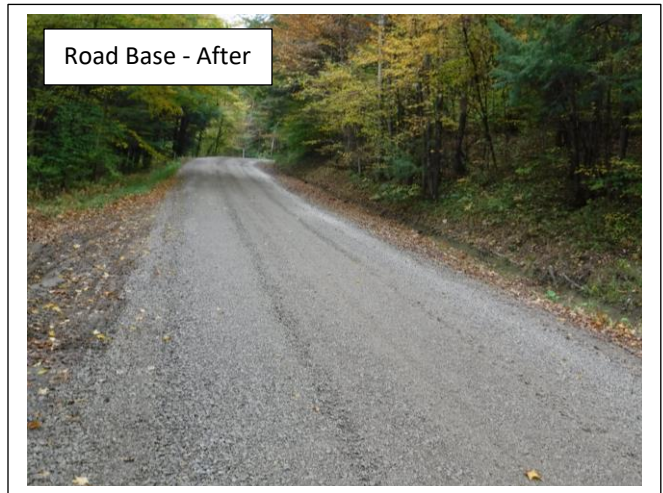
Problem: The existing cross pipes were too small, causing erosion at the outlet of the pipes. Standing water in some of the roadside ditches was causing water to saturate the road base, creating potholes. The lack of head and end walls on the existing cross pipe was causing the road bank to erode.

Solution: The six existing 15-inch diameter pipes were replaced with 18-inch diameter pipes. An additional 18-inch diameter cross pipe was also installed. 246 feet of underdrain was installed. Head and end walls were installed on all of the cross pipes. Bank support was provided with large stone. Six turnouts were added to direct runoff away from the roadway and into stable, vegetated areas. Disturbed areas were seeded and mulch.



Kingsley Township – Branch Road

Forest County



Problem: The existing cross pipes were undersized, and some were collapsing. There were no head or end walls on the cross pipes. The road base was soft and flat.

Solution: Five of the existing 12-inch diameter pipes were replaced with 18-inch diameter pipes. Head and end walls were installed on each of the new cross pipes. The outlets of the new pipes were stabilized with R4 stone. 580 tons of road fill were added to build up the road profile and establish a crown to encourage sheet flow away from the roadway. Three turnouts were installed to direct runoff into stabilized areas. All disturbed areas were seeded and mulched.



Tionesta Township – Stitzinger Road

Forest County



Problem: A large amount of offsite runoff was accumulating in one area of the roadway at a high rate of speed. The road was entrenched. Existing ditches were extremely eroded. Large amounts of sediment were being conveyed directly to the stream.

Solution: A tear drop filtration system was constructed to slow the runoff to encourage any sediment to fall out. This would also help prevent down-gradient erosion. An additional tear drop system was installed at the inlet of a new stone lined channel as an additional measure to encourage the runoff to slow down. The road was built up 3 to 4 feet to establish a crown and to encourage sheet flow during rain events. An existing 15-inch driveway pipe was installed with a 2-foot diameter squash pipe to promote better ditch flow. Disturbed areas were seeded and mulch.



Tionesta Borough – Elm Street

Forest County



Problem: The existing cross pipes were too small. The existing end walls were crumbling and falling into the outlets. Erosion was occurring at the outlets of the existing cross pipes. Some of the inlets needed stabilized.

Solution: Four existing 10-inch diameter cross pipes were replaced with 18-inch diameter cross pipes. The crumbling end walls were rebuilt. An inlet box was installed. The inlets were stabilized with #1 stone to help filter out any sediment. R4 stone was installed at the outlets to help slow water down and prevent erosion.

