

Forest County -2021 Projects

In 2021, the Forest County Conservation District continued its commitment to improving local infrastructure and protecting our natural resources through the Dirt, Gravel, and Low Volume Road (DGLVR) projects. These efforts aim to reduce sediment pollution in our streams and waterways while enhancing road conditions in several municipalities across the county.

Below, you can find collages featuring detailed information about each of the completed projects in Forest County for 2021:

- **Barnett Township - Jacks Hollow Road**
- **Kingsley Township - Branch Road**
- **Tionesta Township - Stitzinger Road**
- **Jenks Township - Greely Farm Road (Low Volume)**

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

Barnett Township – Jacks Hollow Road

Forest County



Problem: The road base had deteriorated and was very unstable. The entrenched roadway was discharging sediment laden runoff directly to the nearby stream. The only existing cross pipe was inadequate.

Solution: An average of 2' of fill was added to raise the road profile and encourage sheet flow. 1537 square yards of geotextile fabric was installed prior to the fill placement to provide additional base stability. The undersized, existing cross pipe was replaced with an 18" pipe, along with a stone-lined waterway at the outlet to further filter the discharge. An 18' through-the-bank pipe and 2 turn-outs were installed to help direct runoff to well vegetated areas. All disturbed areas were seeded and mulched.



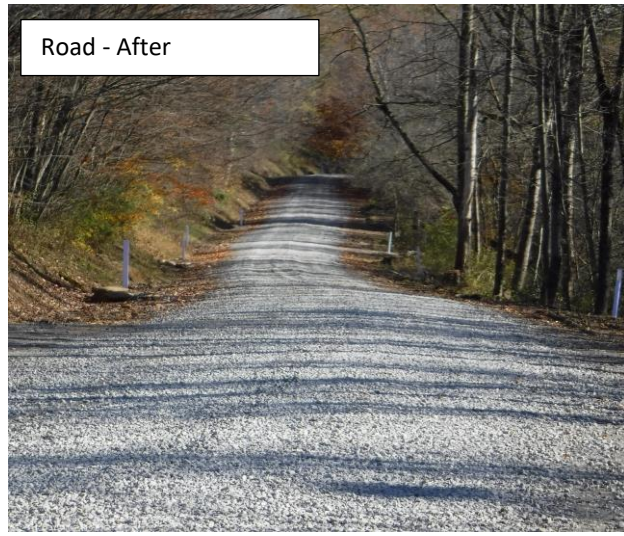
Kingsley Township – Branch Road

Forest County

Road - Before



Road - After



Problem: Existing cross pipes were undersized, and there were not enough. Severe erosion was occurring at the outlets of the existing cross pipes. The poor drainage was causing the road base to become unstable.

Solution: The 4 existing 15” cross pipes were replaced with 18” cross pipes while 6 additional 18” cross pipes and 2 turn-outs were added to help separate and disperse runoff. Head and end walls were installed at the inlet and outlet of every pipe. Rip-Rap aprons were installed at each outlet to prevent erosion. 650 tons of fill were added to strengthen the road base and help promote proper drainage. All disturbed areas were seeded and mulched.

Pipe Inlet - Before



Pipe Inlet - After



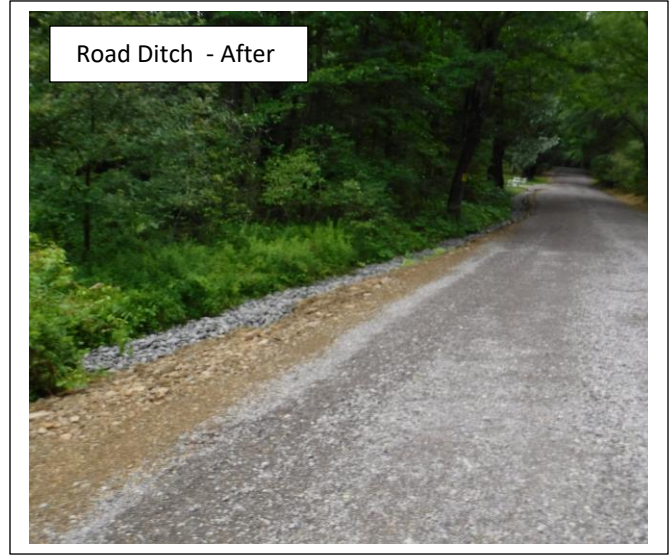
Tionesta Township – Stitzinger Road

Forest County



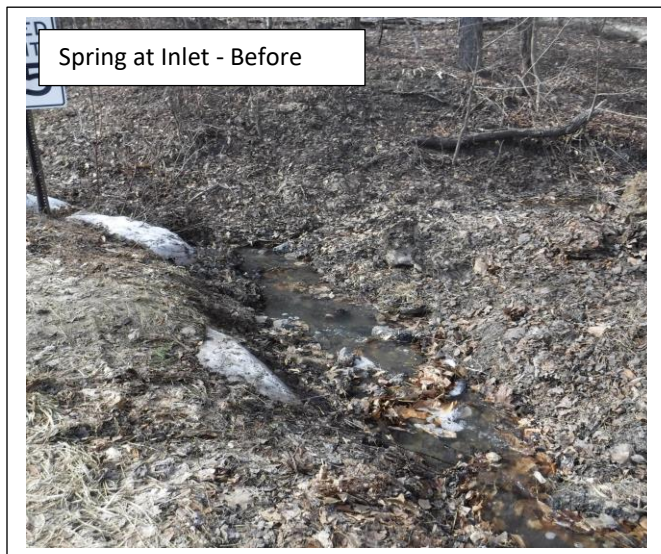
Problem: The existing road was entrenched and had inadequate drainage, causing the base to become unstable. Existing, deep ditches were discharge directly to nearby stream.

Solution: A new cross pipe (with head and end walls) was installed to collect runoff and direct it into a well vegetated area. The deep road ditch was filled to grade with #1 stone to help filter any runoff. The existing discharge to the stream was removed and replaced with a turn-out that encouraged runoff into a well vegetated area. The road was built up an average of 2' to stabilize the base and provide sheet flow. All disturbed areas were seeded and mulched.



Jenks Township – Greeley Farm Road

Forest County – Low Volume Road Project



Problem: A continuous flow of water from numerous roadside springs and an extended length of paved road ditch. The existing cross pipe was severely undersized and a portion of it was filled with debris. The bottom of the existing cross pipe had completely eroded away. The outlet of the existing pipe was perched and was causing severe erosion.

Solution: A 6' squash pipe was installed, as well as head and end walls. A stable stream bed gradient was reestablished stabilize the area and prevent future erosion. The Surrounding streambanks were stabilized with stone to provide additional support. A stone lined ditch was placed at the end of the paved road ditch to stabilize the area before the pipe inlet.

