

**Preliminary Information to Support Proposed Project Ideas for Addressing Water Quality and Habitat Protection and Restoration in the Cayuga Lake Watershed**

**PROPOSED PROJECT #25: Fall Creek/Virgil Creek Roadway Reconstruction and Ditch Stabilization Program, Western Cortland County**

**Proposed Project Category: can address more than one issue**

1. Stormwater management and erosion control

**Proposed Project Location:** *Please be as specific as possible.*

This project will be implemented on approximately **X miles** of unpaved roads in the Fall Creek and Virgil Creek subwatersheds located in western Cortland County **(additional thoughts or detail requested)**

**Landowner** *Identify private or public property owner(s) and contacts if known* Unknown

**Does project relate to/advance any existing local, regional, watershed, or statewide plans?**

Cayuga Lake Watershed Restoration and Protection Plan

**Issue to be addressed:** The proposed project addresses factors contributing to streambank erosion and sedimentation issues. A typical paved road is designed with a crown or slope so that stormwater sheet flows directly into a ditch or swale. Unpaved roads do not support that type of structure. As a result, stormwater flows with gravity, often across the full surface or center of the road parallel to drainage ditch until it becomes obstructed causing concentrated flow to enter the ditch at a higher velocity. This high velocity, concentrated flow exacerbates erosion and can result in additional roadway deterioration.

**Proposed Project or Action:** Unpaved roadways and under-performing drainage systems in the Fall Creek and Virgil Creek areas of Cortland County will be assessed to identify reconstruction design needs including proper grading and sloping and associated road ditch stabilization needs. All remediation work will be completed using standard management practices and materials. This project will not include road paving.

**Is the proposed project or action based on standard practices typically employed for the issue at hand**

The proposed project will use standard remediation practices and materials to implement all remediation practices; however, this project proposes to go beyond the initial road ditch stabilization response by also addressing the factors that led to ditch destabilization. If left uncorrected, these conditions will threaten the future function of the repaired ditches and drainage structures.

**Current Project Readiness** Conceptual: need survey and design plus construction. **This is where it would be helpful to identify specific roadways or areas that would benefit from this effort.**

**Approximate Project Timeframe** estimate if known: 6 months

**Approximate Cost** *estimate if known*

**Potential Local Match Source:** Unknown

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