Bethel Mountain Road Emergency Slope and Roadway Repair
Rochester, Vermont

**GOALS**

On time. Under budget. Extensive collaboration among the consultant, the Town, VTrans, the public, and the contractor was crucial to successfully completing this project in under 6 months. Meeting the schedule meant the project qualified for full FHWA funding, and the project was brought in under budget.

Long-term Solution. Previously, the Town frequently had to reconstruct portions of the road following storm and melt events. A more sustainable and resilient solution was needed.

**CHALLENGES**

Deadline. The project needed to be completed in 180 days to qualify for 100% FHWA funding.

Site Challenges. The slopes along the road create tight geometrical constraints due to steep upslopes and downslopes on either side of the road with a shallow ledge on the steep upslope side. This made designing a cost-effective drainage system with adequate hydraulic capacity a challenge. H&H modeling accounted for higher runoff from snowmelt and frozen ground in addition to rain events.

The consultant is chosen and provides survey, design, and permitting for repairing and upgrading roadway drainage systems, reconstructing the roadway, and developing long-term roadway embankment slope repairs. This is completed in a compressed, three-month timeline.

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