

# Roadway Improvement Project

## Bean Hill Road Northfield, NH



Bean Hill Road is an east-west rural roadway servicing mostly farm and residential properties east of I-93 and providing connection to I-93. The roadway serves as the main access route to Highlands Mountain Bike Park. The roadway is compromised in that it lacks adequate roadside drainage causing roadway flooding and experiences severe pavement displacement during the winter / spring freeze thaw cycles. Additionally the intersection with NH Route 132 is a wye configuration with limited sight distance.

QCC designed drainage improvements for the roadway that included new closed drainage systems, replacement culverts, culvert slip lining and drainage outfall treatment measures. Roadway improvements include full width pavement reclamation, installation of base gravel reinforcement mesh and additional crushed gravels, and new bituminous pavements and improved sight distances at the wye intersection. Due to the constrictive nature of the right-of-way, roadway improvements for superelevation elements were designed as roadway box-out construction.

The project was completed in 2012 and was funded by the Town of Northfield and the NHDOT Municipal State Highway Aid Program.

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