

Flood Mitigation / Bridge Replacement Project

White Birch Point Road over Great Brook

NHDOT Br. 134/088

Antrim, NH



During the significant rain event of October 8-10, 2005, the existing corrugated metal pipe arch culvert beneath White Birch Point Road became surcharged and eventually the backwater associated with the storm surge from the outfall of Gregg Lake caused a total breach of the roadway embankment and dry laid stone headwalls, leaving a gorge where the roadway had been. This stream crossing is the only access for the residents on White Birch Point.

QCC performed a hydraulic study and determined that the culvert size was severely deficient. QCC studied several mitigation alternatives and recommended that an 18-foot span, precast concrete rigid frame replacement bridge structure be constructed on a new alignment downstream of the existing pipe to allow for local use of the existing road during construction, as well as to accommodate proper hydraulic discharge from the Gregg Lake Dam spillway located just upstream.

This project was funded by the Town of Antrim, FEMA and the NHDOT Municipal Bridge Aid Program.

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