

STANNARD MOUNTAIN ROAD BRIDGE #9 REPLACEMENT

TOWN OF STANNARD, VERMONT



Damaged Bridge



New Structure

Bridge No. 9 on Stannard Mountain Road, in Stannard, Vermont was damaged as a result of Tropical Storm Irene. Initial evaluations by FEMA inspectors indicated that the structure was old and damaged prior to the storm and would not be eligible for receipt of grants.

Dufresne Group provided preliminary report preparation for scope revisions to determine the failure was a result of the storm and to gain project eligibility from FEMA. DG provided engineering services for permitting, plans, bid documents and construction assistance for the replacement of the bridge structure.

The existing structure was replaced with an arch, or simple bridge structure with a 22-foot span, which was accepted by the Agency of Natural Resources and FEMA. DG worked with VTrans, and FEMA to include the cost of installing a temporary bridge structure during construction as a reimbursable project expense.

The project was completed one month early, and the project was approximately 22% (\$75,000) under budget.

KEY FEATURES:

- Engineering evaluation confirmed damage was due to Tropical Storm Irene and not preexisting.
- Hydrology and hydraulic study to size replacement structure.
- The Town's total project costs for the entire project were eligible for reimbursement under the FEMA program.
- Project completed 1 month early and 20% under budget.