TOWN HIGHWAY 29, BRIDGE #9
PORTER BROOK BRIDGE REPLACEMENT

HARDWICK, VERMONT

Existing Laid Up Stone Culvert

9' x 16' Precast 3-Sided Arch Culvert

The existing 7' wide by 8' high laid up stone culvert crossing on the Porter Brook under Town Highway 29 in Hardwick was undersized and in poor quality. The crossing was also narrow and provided almost no protection for vehicles going over the edge of the culvert and into Porter Brook.

The culvert was replaced with a 28 foot long precast 3-sided arch culvert that has an opening of 16' wide by 9' high. The increased size now meets the hydraulic requirements of Porter Brook.

The project was funded under the VTrans Town Highway Structures Program, which provided grant funding for 90% of the total project costs.

The culvert was constructed in 55 calendar days that was under the allotted time for construction and under budget as well.

KEY FEATURES

- Adequately sized to meet hydraulic requirements of the stream.
- Aging laid up stone culvert replaced with precast concrete culvert.
- Wider, safer crossing over Porter Brook with new guard rails.

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