

VERMONT AGENCY OF NATURAL RESOURCES
FLOOD HAZARD AREA & RIVER CORRIDOR RULE

Individual Permit Application

10 V.S.A. § 754

Applicant Name: Vermont Agency of Transportation

Mailing Address: 1 National Life Drive, Montpelier, VT 05633

Phone: 802-828-1278

Cell:

Email: jeff.ramsey@state.vt.us

Landowner (if different than applicant, please attach easement):

Landowner Mailing Address:

Phone:

Email

Consultant or Designer: Green International Affiliates, Inc.

Phone: 978-923-0400

Email: eatkins@greenintl.com

Contractor: Unknown

Phone:

Email:

Project Location: Address: US Route 2 between MM 2.8 & 4.3

Town: Cabot, VT

Flooding Source: Mollys Brook and various tributaries

Lat: 442226

Long: 721540

General description of proposed development:

Roadway reconstruction and widening as well as bridge replacements at US Route 2 over Mollys Brook and Hooker Brook and other incidental improvements.

Category of Development Exempt from Municipal Regulation:

- State owned or operated institution or facility
Accepted Agricultural or Silvicultural Practice
Power generating, transmission or telecommunication facility subject to Section 248/248a

Type of Development (check all that apply):

Structural Development (walled/roofed building) Structure type/use:

- New structure, Replacement structure, Relocation of existing structure, Addition to existing structure, Alteration to existing structure, Repair of a substantially damaged structure, Other: Reconstruction and widening of roadway, bridge replacement

The new or substantially improved structure will be: Elevated, Dry floodproofed, Wet floodproofed, N/A

Value of Existing Structure: N/A

Value Source: Tax Assessment, Appraisal, Other, describe: N/A

Estimated cost of improvements or repairs (materials and labor): N/A

Other development activities:

- Roadway or stream crossing construction, Utility/infrastructure work: Description: Above ground, Below ground, Other (describe); Fill, Excavation

Map Information:

FEMA Flood Insurance Rate Map: Community/ Panel #: 500108/0310

Panel Date: 3/19/2013

Flood Zone: Zone A

Within Floodway? yes no

Located in ANR River Corridor? yes no

Submittal requirements (as appropriate to the proposed development):

- Site Location Map - either an overview map of the site location generated from an internet application (i.e. Google or Bing) or a Vermont Natural Resource Atlas map

Site plan(s) and schematics showing the following:

- Existing and proposed contours/elevations on the property in the same elevation datum as the most recent and effective NFIP Flood Insurance Rate Map (FIRM);
- Location and extent of any proposed fill and/or excavation for the project;
- NFIP Floodway delineation; NFIP Flood Fringe delineation boundary, Base Flood Elevation, ANR River Corridor Boundary;
- A scale bar, elevation datum conversions (where appropriate), and north arrow;
- Clearly labeled features including relevant landmarks, roadway names, stream names, and existing and/or proposed: buildings, utility/water infrastructure, and roads or driveways;
- Foundation and anchoring details, including extent of foundation walls and footings below grade, anchoring design specifications, and size and location of flood openings/vents; N/A
- A FEMA Elevation Certificate for proposals involving new or substantially improved structures; N/A
- A FEMA Floodproofing Certificate for proposals involving dry-floodproofing in lieu of elevation; N/A
- Mechanical, Electrical, and Plumbing details (elevation above base flood elevation or design specifications to be watertight below base flood elevation). N/A

Note: elevation data must be certified by a registered engineer or licensed land surveyor

Development proposed in the floodway:

- Hydraulic calculations demonstrating no rise in base flood elevation or velocity, certified by a registered professional engineer, including electronic input/output files and mapping showing cross section locations.
- Simplified analysis and supporting documentation (minor projects) NA

Proposed fill in the flood fringe:

- Compensatory storage volumetric analysis and computations demonstrating no loss of flood storage volume, certified by a registered professional engineer

Compensatory flood storage was achieved to the maximum extent practicable. There is an area of fill (road embankment) near the Mollys Brook crossing at sta. 68+00. This was evaluated and there is no practical alternative. The roadway embankments are as steep as possible without warranting guardrail. Guardrail is costly to install and maintain, visually less appealing to motorists and can be a hazard itself when other alternatives are available. In addition, the loss in storage at this location is partially offset by the excess storage provided at Hooker Brook and downstream on Mollys Brook.

- Stream geomorphic assessment data and analysis by a qualified consultant

Proposal within an Approximate Zone A Flood Hazard Area:

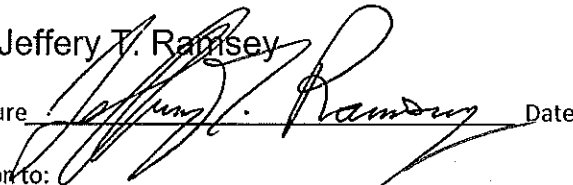
- Base flood elevation and floodway hydrologic and hydraulic calculations and supporting documentation, developed in accordance with FEMA Guidelines and Standards for Flood Risk Analysis and Mapping and certified by a registered professional engineer.
- List of adjoining landowners with names and mailing addresses

****APPLICANT MUST FILE COPY OF THIS APPLICATION WITH TOWN CLERK AND ADJOINERS****

CERTIFICATION: I hereby certify that the information on this application is, to the best of my knowledge, true and accurate and that I have provided a copy of this application to the Clerk of the municipality in which this activity is located, the local and regional planning commissions, and to each adjoining landowner as required in the Vermont Flood Hazard Area and River Corridor Rule. I recognize that by signing this application I am giving consent to employees of the State to enter the subject property for the purpose of processing this application and for ensuring compliance with subsequent agency decisions relating to the project.

Print Full Name Jeffery T. Ramsey

Applicant Signature



Date

10/29/15

Submit application to:

Department of Environmental Conservation – Rivers Program
One National Life Drive; Main 2 – Montpelier, VT 05620-3522
ANR.WSMDRivers@state.vt.us