



Vermont Department of Environmental Conservation
Watershed Management Division
St. Johnsbury Regional Office
1229 Portland Street, Suite 201
St. Johnsbury, VT 05819
www.watershedmanagement.vt.gov

Agency of Natural Resources

[fax] 802-748-6687
[cell] 802-279-1143

AUTHORIZATION TO CONDUCT NEXT FLOOD MEASURES
Pursuant to Section F of the Vermont Stream Alteration General Permit

Project Number: NFM - 3 - 509 - 2016

Applicant Name: TOWN OF STRAFFORD % JON MACKINNON Phone: 765-4550

Mailing Address: P.O. BOX 27 STRAFFORD, VT 05072

Project Location: TYSON ROAD TH 39 BR # 61

Email: TOWNCLERK@STRAFFORDVT.ORG

The Secretary of the Vermont Agency of Natural Resources (VT ANR) has determined that:

1. This project authorizes the channel stabilization and bridge scour repair to protect BRIDGE #61 ON TH 39. See FEMA Worksheet.
2. The proposed activity is eligible for coverage under the VT ANR Stream Alteration General Permit – Next Flood Measures.
3. The proposed activity will meet the terms and conditions of Section F of the General Permit provided:
 - a) The project will be completed and ^{was} approved as shown on the plan dated 6/20/16, prepared by FEMA WORKSHEET, and approved by the Vermont Agency of Natural Resources. *PR*
 - b) The project is proportional to the threat and conditioned to cease when the threat to life or to improved property has ended.
 - c) The project will not result in a threat to life, public health or safety.
 - d) The project will meet the standards detailed in subsection E.2.1 and E.2.2 of the General Permit.
 - e) The project will meet Stream Alteration Standards to the greatest extent possible.
 - f) A pre-construction meeting is held between the contractor, owner/applicant, and the ANR River Management Engineer.
 - g) The River Management Engineer is notified by phone or email when construction begins and when the project is complete.
 - h) A final construction inspection is required for any culvert and bridge related work.
 - i) Additional conditions: _____

If there are any changes in the project plan or deviation in construction from the plan, the Permittee must notify the River Management Engineer immediately.

If the project is constructed as you have described, as shown on the above referenced approved plans and according to the above conditions, there is no reason to expect any violation of Vermont Water Quality Standards.

Alyssa B. Schuren, ANR DEC Commissioner


Patrick Ross, P.E., River Management Engineer

Dated: 6/20/16



TOWN OF STRAFFORD
P. O. Box 27
Strafford, Vermont 05072

Town Office 1-802-765-4411
Town Garage 1-802-765-4550

June 20, 2016

Patrick Ross, P.E.
River Management Engineer
ANR River Management Program
5 Perry Street, Suite 80
Barre, Vermont 05641
Cell Phone 802.279.1143
Fax 802.476.0131

Dear Mr. Ross,

Enclosed is the Project Worksheet for the work to be completed on the emergency repairs to Tyson Bridge #61 TH 39 required by FEMA. The damage to BR#61 was a result of Hurricane Irene, and this work had to be completed to finish all projects before the town could receive final reimbursement.

Sincerely,

Jon MacKinnon
Highway

U.S. DEPARTMENT OF HOMELAND SECURITY
FEDERAL EMERGENCY MANAGEMENT AGENCY

PROJECT WORKSHEET

PAPERWORK BURDEN DISCLOSURE NOTICE

Public reporting burden for this form is estimated to average 90 minutes per response. Burden means the time, effort and financial resources expended by persons to generate, maintain, disclose, or to provide information to us. You may send comments regarding the burden estimate or any aspect of the collection, including suggestions for reducing the burden to: Information Collections Management, U.S. Department of Homeland Security, Federal Emergency Management Agency, 500 C Street, SW, Washington, DC 20472, Paperwork Reduction Project (OMB Control Number 1660-0017). You are not required to respond to this collection of information unless a valid OMB number appears in the upper right corner of this form. NOTE: Do not send your completed questionnaire to this address.

DECLARATION NO.	PW REF NO.	DATE	FIPS NO.	CATEGORY	EMMIE NO.
FEMA 4022 DR VT	MGSTC10	05/12/12	017-70675-00	C	
APPLICANT				WORK COMPLETED AS OF:	
Town of Stratford				DATE:	PERCENT:
				05/12/12	0%
DAMAGED FACILITY				COUNTY	
Tyson Road Bridge				Orange	
LOCATION				LATITUDE	LONGITUDE
Tyson Road				43.83802	-72.34686

Was this site previously damaged? Yes No Unsure

DAMAGE DESCRIPTION AND DIMENSIONS:

During the incident period of, August 27 through September 2, 2011, Hurricane Irene brought torrential rain and flooding throughout the town of Stratford. The flooding caused the waters of the Ompompanoosuc River to rise significantly and increase in velocity causing a loss of stone riprap material around both abutments of the Tyson Road Bridge #61 (Town Highway # 39, a class 3, nonfederal-aid road). This PW is to replace the lost riprap material. Dimensions of loss area are as follows:

- a. East side upstream - 12'L x 16'W x 4' depth = 28.44CY
 - b. East side downstream - 12'L x 16'W x 4' depth = 28.44CY
 - c. West side upstream - 12'L x 16'W x 4' depth = 28.44CY
 - d. West side downstream - 12'L x 16'W x 4' depth = 28.44CY
- Total = 114.0CY
(End of DDD)

SCOPE OF WORK:

Fund at 75%

SCOPE OF WORK (Work to be Completed - ESTIMATED):

The following is a general conceptual scope of work (not necessarily in the order of work) for the replacement of the structure prepared primarily for cost estimating and PW preparation purposes to establish the federal funding amounts. It is not intended to direct the applicant as to means and methods of repair/replacement or serve in lieu of engineering or professional services.

Any project that results in a significant change from this in kind restoration (that is, different location, material, footprint, or size) design must be reviewed by FEMA prior to construction to ensure completion of the appropriate environmental and/ or historical review. Grantee approval must be held pending such review.

(Scope continued on the next page)

PROJECT COST

ITEM	CODE	NARRATIVE	QUANTITY	UNIT	UNIT PRICE	COST
WORK TO BE COMPLETED (ESTIMATE)						
1	9999	Stone Fill, Type III - VTAOT 613.13	114	CY	\$ 40.88	\$ 4,660.32
2	9901	DIRECT ADMINISTRATIVE COSTS (SUB-GRANTEE)	1	LS	\$ 148.90	\$ 148.90
						\$ -
						\$ -
						\$ -
						\$ -
						\$ -
						\$ -
						\$ -
3	0909	MITIGATION (HMP attached)	1	LS	\$ 4,650.51	\$ 4,650.51
						\$ -
SUBTOTAL FROM COST CONTINUATION PAGE(S)						\$ -
TOTAL PROJECT COST						\$ 9,459.73

PREPARED BY: Marty Gyngard	TITLE: Bridge Specialist
FEMA PAC CREW LEADER: Brian Minns	STATE PAC CREW LEADER: Gary Schelley
APPLICANT: Stephen Willbanks <i>Stephen Willbanks</i>	DATE: 6/6/12
	PHONE: 802-765-4411

Asst. Town Clerk