



Emergency Management and Homeland Security
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November 20, 2013

Mr. Sterling Bridges
Infrastructure Branch Director
FEMA-JFO
135 Allen Brook Lane
Williston, VT. 05495

Re: Scope Change Request – DR-4066 PW #00027 (0) – Town of Lowell, VT – Mines Road

Dear Sterling,

The State has received the attached Scope Change Request and back up documentation for the PW referenced above.

A 72 inch by 65 foot corrugated metal pipe culvert was damaged more than 50 percent. In accordance with the Town of Lowell's codes and standards, the Vermont Agency of Transportation (VTrans) conducted a hydraulic report, which shows the 72 inch pipe not to be hydraulically adequate. In the original project worksheet, FEMA considered a corrugated metal multi-arch culvert measuring 69 inches x 98 inches tall to be a cost effective replacement; however, the arch option does not comply with the findings of the VTrans hydraulic report.

After reviewing the data, we believe that the original PW cost should be reviewed and reconsidered due to additional required cost associated with this large project. Following town codes and standards and State hydraulic reports, the stream alterations permit requires that the applicant construct a new 14 foot wide by 6 foot tall concrete box. The estimate for replacing the structures as a concrete box is \$216,400.

In addition, the Project Worksheet does not include the costs of engineering and design. The town accepted Ruggiano Engineering's bid for \$8,400 to provide survey, engineering, design, permitting, cost estimation and construction bidding, and an additional \$2,600 for construction oversight. The project worksheet should be revised to \$216,400 (replacement structure), \$8,400 (engineering and design), and \$2,600 (construction engineering). The Town is requesting approximately \$144,469.50 in additional funds to complete the design, permitting and construction phases of the proposed project.

As soon as judgment is made, please notify us in writing with your decision, so we can discuss with the Applicant how to proceed.

Thank you for your consideration and support.

Sincerely,

A handwritten signature in black ink, appearing to read 'Kimberly Canarecci', written in a cursive style.

Kimberly Canarecci
Public Assistance Officer