Chris Enright

TOWN OF LOWELL

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Ben Rose
Recovery and Mitigation Section Chief
Division of Emergency Management and Homeland Security
103 South Main Street
Waterbury, VT 05671-4719

PA-01-VT-4066-PW-00027(0), Town of Lowell, Mines Road

Dear Ben,

This letter is to formally request a scope of work change for the Town of Lowell's Mines Road project. The structure that FEMA determined should be installed and cost estimated in the PW does not meet the Town's Codes and Standards as it does not meet the requirements of the hydraulics report or ANR's permit requirements.

The stream crossing at the intersection of Burgess and Mines road consists of a 72 inch x 65 foot corrugated metal pipe (CMP) culvert. Heavy rain water flow caused the stream to run under the culvert damaging more than 50% of the culvert.

In accordance with the codes and standards of the Town of Lowell, hydraulic reports were run by the state for the 72" CGMP, and it was found to not be of hydraulic adequacy.

In the project worksheet, FEMA considered a corrugated metal multi-plate arch culvert measuring 69in wide x 98in tall to be a cost-effective replacement. In contradiction to this, a hydraulics report run by the state does not comply with the arch option. A meeting took place with a stream alterations representative, and the stream alterations permit requires the concrete box option from the hydro report. The proposed change is for a new 14' wide by 6' tall concrete box. A scope change is requested to alter the replacement structure type and cost to meet the hydraulic and stream alterations standards.

If this scope of work change is not accepted under these conditions then we would like to submit this as an improved project request.

The original amount of the project worksheet was $82,930.50. The estimate for replacing the structures described above is $216,400. The town put out to bid and accepted Ruggiano Engineering's bid for $8,400 to provide survey, engineering, design, permitting, cost estimation, and construction bidding. This firm has also proposed an additional $2,600 for construction oversight. We believe that the PW cost total should be revised to include these costs. We believe the PW cost should be revised to $216,400 (replacement structure) + $8400 (engineering and design) + $2600 (construction engineering) for a total of $227,400.

Sincerely,

Richard Pion

Richard Pion, Select Board Chairman