



Victoria F. Sheehan
Commissioner

THE STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION



William Cass, P.E.
Assistant Commissioner

Bureau of Construction
August 5, 2016

Her Excellency, Governor Margaret Wood Hassan
and the Honorable Council
State House
Concord, New Hampshire 03301

REQUESTED ACTION

Authorize the Department of Transportation to enter into a contract amendment (Contract # 29222 & 29776) with Winterset, Inc. (Vendor #160408) of Lyndonville, VT by increasing the contract amount by \$395,000.00, (from \$4,346,051.85 to \$4,741,051.85) for the pavement rehabilitation of 1.6 miles and the construction of a 20 ft. wide culvert crossing on NH Rte. 26 in Dixville effective upon G&C approval through July 28, 2017. 83% Federal Funding, 17% Agency Income.

Funding is available as follows:

	<u>FY 2017</u>
04-96-96-963015-8910	
SB 367 Capital Investment	
400-500870 Highway Contract Payments	\$67,500.00
Contingency balance reduction	
04-96-96-963515-3054	
Consolidated Federal Aid	
400-500870 Highway Contract Payments	\$327,500.00

EXPLANATION

The District I Rehabilitation of Secondary Roads, 29222 and Dixville X-A004(393), 29776 contract was approved by Governor and Council on December 16, 2015 (Item # 37) on the basis of a low bid of \$4,346,051.85. The contract is proposed to be increased by \$395,000.00 to address the following items:

1. Additional flagger hours will be required to complete the roadway improvements and construct the culvert crossing. It was anticipated that the two way traffic diversion constructed as part of the contract would eliminate the need to stop traffic for construction purposes. This is not the case as construction vehicles still need to merge with traffic to haul materials to and from the culvert construction site. Estimated Cost: \$130,000.00 (District 1 Rehab 29222 - \$55,000.00, Dixville 29776 - \$75,000.00).
2. The length of existing roadway removal (and subsequent reconstruction) necessary to excavate for the new culvert crossing was longer than anticipated. As a result, the quantities of common excavation, and hot bituminous pavement necessary to complete the work need to be increased and an item for gravel needs to be added. Estimated Cost: \$105,000.00.

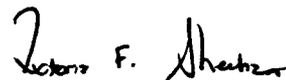
3. The depth of excavation required for the culvert crossing has created a regional low point that collects storm water runoff from the surrounding area. Temporary measures are needed to control the migration of silt and sediment from the project. These measures include the placement of temporary mulch, the lining of temporary ditches with larger stone, the construction of check dams with smaller stone and the construction of sediment basins. Estimated Cost: \$105,000.00. (District 1 Rehab 29222 - \$12,500.00, Dixville 29776 - \$92,500.00).

4. The soil conditions found at the culvert foundation depth have been determined to be unsuitable to support the new structure. As a result the groundwater level was lowered through the installation of aggregate underdrain and the existing unsuitable soil was over excavated and replaced with structural fill material. Estimated Cost: \$55,000.00.

The federal funded portion of this project is 80% federal funds with 20% state match. Turnpike toll credit is being utilized for match requirements, effectively using 100% federal funds on the federal funded portion of this contract amendment.

Your approval of this resolution is respectfully requested.

Sincerely,

A handwritten signature in black ink, appearing to read "Victoria F. Sheehan". The signature is written in a cursive style with a large initial 'V'.

Victoria F. Sheehan
Commissioner

D1 Rehabilitation of Secondary Roads - 29222
 Dixville - Culvert Replacement - 29776

	2016	2017	amend				
8910	\$ 2,000,000.00	\$ 423,068.94	\$ 67,500.00	\$ 2,490,568.94			52.53%
8910 contingency	\$ 148,074.55	\$ 69,228.04	-	\$ 217,302.59	\$ 2,707,871.53		54.61%
3054	\$ 504,500.00	\$ 504,500.00	\$ 327,500.00	\$ 1,336,500.00	\$ 1,336,500.00		26.95%
3039	\$ 456,991.00	\$ 456,991.91	\$ -	\$ 913,982.91	\$ 913,982.91	\$ 4,958,354.44	18.43%
			\$ 395,000.00				19.28%
			\$ 191,000.00				48.35%
			\$ 204,000.00				51.65%
			\$ 395,000.00				

	old	new-amend	delta
Contract total	\$ 4,346,051.85	\$ 4,741,051.85	\$ 395,000.00
Contract Authority	\$ 4,563,354.44	\$ 4,890,854.44	\$ 327,500.00

this approach suggests that we are utilizing \$67,500 of the contingency for the amendment