

PA-01-VT-4066-PW-00025(0) P	
Applicant Name:	Application Title:
LOWELL (TOWN OF)	JCLOC9 Mines Rd.
Period of Performance Start:	Period of Performance End:
06-22-2012	12-22-2013

Subgrant Application - Entire Application

Application Title: [JCLOC9 Mines Rd.](#)

Application Number: [PA-01-VT-4066-PW-00025\(0\)](#)

Application Type: [Subgrant Application \(PW\)](#)

Preparer Information	
Prefix	
First Name	JOSEPH
Middle Initial	
Last Name	COMBES
Title	Project Specialist
Agency/Organization Name	FEMA
Address 1	30 Allen Martin Drive
Address 2	
City	Essex Junction
State	VT
Zip	05452
Email	ben.rose@state.vt.us
Is the application preparer the Point of Contact?	
	No

Point of Contact Information	
Prefix	
First Name	Alden
Middle Initial	
Last Name	Warner
Title	Select Board
Agency/Organization	Town of Lowell
Address 1	2170 Route 100
Address 2	

City	Lowell
State	VT
ZIP	05847
Phone	802-744-6127
Fax	
Email	alden@brrecords.com

Alternate Point of Contact Information	
Prefix	
First Name	Reg
Middle Initial	
Last Name	Pion
Title	Road Commissioner
Agency/Organization	Town of Lowell
Address 1	2170 Route 100
Address 2	
City	Lowell
State	VT
ZIP	05847
Phone	802-744-6129
Fax	
Email	

Project Description	
Disaster Number:	4066
Pre-Application Number:	PA-01-VT-4066-RPA-0010
Applicant ID:	019-40525-00
Applicant Name:	LOWELL (TOWN OF)
Subdivision:	
Project Number:	JCLOC9
Standard Project Number/Title:	399 - Road System Damage
Please Indicate the Project Type:	Neither Alternate nor Improved
Application Title:	JCLOC9 Mines Rd.
Category:	C.ROADS & BRIDGES
Percentage Work Completed?	30.3 %
As of Date:	07-15-2012

Comments

Attachments

User	Date	Document Type	Description	Hard Copy File Reference	File Name	Action
JOSEPH COMBES	08-07-2012	Map	Location Map		Map Mines Rd. 11.docx(53.62 kb)	View

Damage Facilities (Part 1 of 2)								
Facility Number	Facility Name	Address	County	City	State	ZIP	Site Previously Damaged?	Action
1	Mines Rd. (Town of Lowell)				VT		No	

Comments

Attachments

User	Date	Document Type	Description	Hard Copy File Reference	File Name	Action
JOSEPH COMBES	08-06-2012	Additional Information	Codes & Standards		Codes & Standards.pdf(97.74 kb)	View
JOSEPH COMBES	08-06-2012	Photos	Damage photo		Mines Rd site 1 .pdf(594.36 kb)	View
JOSEPH COMBES	08-06-2012	Photos	Photo 1		Site 1 Mines Rd .pdf(683.40 kb)	View

Facility Name:	Mines Rd. (Town of Lowell)
Address 1:	
Address 2:	
County:	
City:	
State:	VT
ZIP:	
Was this site previously damaged?	No
Percentage Work Completed?	%
Location:	PA-01-VT-4066-PW-00025(0): Mines Rd. A class III rural local asphalt road site 1 is located 220 yds from the intersection with Maple Ridge Rd. Site 2 is located .497 miles from the intersection with Maple Ridge Rd. in the town of Lowell, VT.
Damage Description and Dimensions:	PA-01-VT-4066-PW-00025(0): During the incident period of May 29, 2012. SITE 1 Heavy rain water flow from a debris blocked culvert, overtopped the roadway causing a road embankment washout of 80ft x 15ft x 5.74ft or 255 cubic yards material lost. The 36" CMP blocked culvert was undamaged. Asphalt roadway was not damaged SITE 2 Heavy rain water flow from a debris blocked culvert overtopped the roadway caused a road embankment washout of 30ft x 12ft x 7.88ft or 105 cubic yards material lost. The 24" CMP blocked culvert was undamaged. Asphalt roadway was not damaged.

Scope of Work:	<p>PA-01-VT-4066-PW-00025(0): WORK COMPLETED The Town of Lowell, using force account labor, material, equipment, rental equipment and contractors repaired the damaged roadway.</p> <p>SITE 1 The 36" CMP culvert was cleared of debris. No other work completed as of July 15, 2012</p> <p>SITE 2 105 cy. of bank run gravel from the town stockpile was furnished, spread, and graded returning the road embankment back to the predisaster profile. The 24" culvert was cleared of debris.</p> <p>WORK TO BE COMPLETED SITE 1 Town of Lowell is to haul and place 255 cy. of bank run gravel to replace material that was washed away.</p> <p>Work consisted of 14 force account labor and 14 equipment hours. The operational hours provided for the applicant owned equipment are consistent with force account labor documentation. Site is in a flood plan. Codes & Standards was adopted by the Town of March 29, 2011. Applicant has declined to request reimbursement for Direct Administrative Cost. Hazard Mitigation could be identified at this site. Federal funding is contingent upon the applicant acquiring all necessary Federal, State and local permits. Noncompliance with this requirement may jeopardize receipt of Federal Funds. Backup documentation has been reviewed and is on file at the applicant's office. For audit purposes, the applicant must retain records for a period of three years from the date of receipt of final payment</p>
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Hazard Mitigation Proposal

* Is effective mitigation feasible on this site?	
If you answered Yes to the above question, the next question is required	
Will mitigation be performed on this site?	
If you answered Yes to the above question, the next question is required	
Do you wish to attach a Hazard Mitigation Proposal?	
If you answered Yes to the above question, the next two questions are required	
Please provide the Scope of Work for the estimate: (maximum 4000 characters)	
Would you like to add the Hazard Mitigation Proposal as a cost line item to the project cost?	

GIS Coordinates

Project Location	Latitude	Longitude
Mines Rd. Site 1	44.77887	-72.51774
Mines Rd. Site 2	44.77179	-72.51846

Special Considerations

1. Does the damaged facility or item of work have insurance coverage and/or is it an insurable risk (e.g., buildings, equipment, vehicles, etc)?	No
2. Is the damaged facility located within a floodplain or coastal high hazard area and/or does it have an	

impact on a floodplain or wetland?	Yes
3. Is the damaged facility or item of work located within or adjacent to a Coastal Barrier Resource System Unit or an Otherwise Protected Area?	No
4. Will the proposed facility repairs/reconstruction change the pre-disaster conditions (e.g., footprint, material, location, capacity, use of function)?	No
5. Does the applicant have a hazard mitigation proposal or would the applicant like technical assistance for a hazard mitigation proposal?	Yes
6. Is the damaged facility on the National Register of Historic Places or the state historic listing? Is it older than 50 years? Are there more, similar buildings near the site?	No
7. Are there any pristine or undisturbed areas on, or near, the project site? Are there large tracts of forestland?	No
8. Are there any hazardous materials at or adjacent to the damaged facility and/or item of work?	No
9. Are there any other environmental or controversial issues associated with the damaged facility and/or item of work?	No

Attachments

User	Date	Document Type	Description	Hard Copy File Reference	File Name	Action
JOSEPH COMBES	08-06-2012	Floodplain	Firmette		Firmette FM500254B[2].pdf(61.29 kb)	View

For Category C, D, E, F, and G Projects only

Is effective mitigation feasible on this project?	Yes
If you answered Yes to the above question, the next question is required	
Will mitigation be performed on any sites in this project?	Yes
If you answered Yes to the above question, the next question is required	
Do you wish to attach a Hazard Mitigation Proposal?	Yes
If you answered Yes to the above question, the next two questions are required	
Please provide the Scope of Work for the estimate:	Site 1 embankment failure. 255 cy of Bank Run Gravel will need to be placed on the embankment to return the roadside to it's pre-disaster condition. The cost of this is 255cy x \$14.50 or \$3,697.50 To Mitigate or armour this embankment 82cy of riprap will be place to protect this slope. The cost of this is 82cy x \$45.00/cy or \$3,690.00. The mitigation on this embankment protection is \$3690.00/ \$3,697.50 or 99%
Would you like to add the Hazard Mitigation Proposal as a cost line item to the project cost?	Yes

Hazard Mitigation Proposal - 0909

#	Code	Material and/or Description	Unit Quantity	Unit of Measure	Unit Price	Subgrant Budget Class	Type	Cost Estimate	Action
1	3250	SLOPE PROTECTION RIP RAP	82	CY	\$ 45.00	CONSTRUCTION		\$ 3,690.00	
Total Cost: \$ 3,690.00									

Comments
Attachments

Cost Estimate

Is this Project Worksheet for

(Preferred) Repair

Sequence	Code	Material and/or Description	Unit Quantity	Unit of Measure	Unit Price	Subgrant Budget Class	Type	Cost Estimate	Action	
1	0000	WORK COMPLETE							\$ 0.00	
2	9007	LABOR	1	LS	\$ 293.53	PERSONNEL		\$ 293.53		
3	9009	MATERIAL	1	LS	\$ 577.50	CONSTRUCTION		\$ 577.50		
4	9008	EQUIPMENT	1	LS	\$ 40.00	EQUIPMENT		\$ 40.00		
5	9003	CONTRACT COSTS	1	LS	\$ 356.25	CONTRACTUAL		\$ 356.25		
6	9004	RENTED EQUIPMENT	1	LS	\$ 342.00	EQUIPMENT		\$ 342.00		
7	0000	WORK TO BE DONE							\$ 0.00	
8	3021	PIT RUN GRAVEL	255	CY	\$ 14.50	CONSTRUCTION		\$ 3,697.50		
Total Cost :								\$ 5,306.78		

Insurance Adjustments (Deductibles, Proceeds and Settlements) - 5900/5901

Sequence	Code	Material and/or Description	Unit Quantity	Unit of Measure	Unit Price	Subgrant Budget Class	Type	Cost Estimate	Action
Total Cost :								\$ 0.00	

Hazard Mitigation Proposal - 0909

Sequence	Code	Material and/or Description	Unit Quantity	Unit of Measure	Unit Price	Subgrant Budget Class	Type	Cost Estimate	Action
1	3250	SLOPE PROTECTION RIP RAP	82	CY	\$ 45.00	CONSTRUCTION		\$ 3,690.00	
Total Cost :								\$ 3,690.00	

Total Cost Estimate:**(Preferred Estimate Type + Insurance Adjustments + Hazard Mitigation Proposal)****\$ 8,996.78**

Comments

NOTE: Material cost for Town of Lowell supplied bank run gravel is \$5.50 which is in agreement with local costs.

Attachments

User	Date	Document Type	Description	Hard Copy File Reference	File Name	Action
JOSEPH COMBES	08-06-2012	Additional Information	Cost Summary		Cost Summary.pdf(32.23 kb)	View
JOSEPH COMBES	08-06-2012	Additional Information	Labor Summary		Labor Summary.pdf(58.87 kb)	View
JOSEPH COMBES	08-06-2012	Additional Information	Material Summary		Material Summary.pdf(43.80 kb)	View
JOSEPH COMBES	08-06-2012	Additional Information	Equipment Summary		Equipment Summary.pdf(337.47 kb)	View

JOSEPH COMBES	08-06-2012	Additional Information	Rented Equipment Summary		Rented Equipment Summary.pdf(45.84 kb)	View
JOSEPH COMBES	08-06-2012	Additional Information	Contract Summary		Contract Summary.pdf(277.50 kb)	View

Existing Insurance Information						
Insurance Type	Policy No.	Bldg/Property Amount	Content Amount	Insurance Amount	Deductible Amount	Years Required

Comments
Attachments

Comments and Attachments		
Name of Section	Comment	Attachment
Preparer Information		FM500254B PW25.pdf
Contact Information		Signed 90-91.pdf
Project Description		Map Mines Rd. 11.docx
Damage Facilities		Codes & Standards.pdf Mines Rd site 1 .pdf Site 1 Mines Rd .pdf
Special Considerations		Firmette FM500254B[2].pdf
Cost Estimate	NOTE: Material cost for Town of Lowell supplied bank run gravel is \$5.50 which is in agreement with local costs.	Cost Summary.pdf Labor Summary.pdf Material Summary.pdf Equipment Summary.pdf Rented Equipment Summary.pdf Contract Summary.pdf

Bundle Reference # (Amendment #)	Date Awarded
PA-01-VT-4066-State-0003(2)	08-21-2012

Subgrant Application - FEMA Form 90-91

Note: The Effective Cost Share for this application is 75%

FEDERAL EMERGENCY MANAGEMENT AGENCY PROJECT WORKSHEET								
DISASTER					PROJECT NO.	PA ID NO.	DATE	CATEGORY
FEMA	4066	-	DR	-VT	JCLOC9	019-40525-00	08-06-2012	C
APPLICANT: LOWELL (TOWN OF)						WORK COMPLETE AS OF: 07-15-2012 : 30 %		

DAMAGED FACILITY: Mines Rd. (Town of Lowell)		COUNTY: Orleans			
LOCATION: PA-01-VT-4066-PW-00025(0): Mines Rd. A class III rural local asphalt road site 1 is located 220 yds from the intersection with Maple Ridge Rd. Site 2 is located .497 miles from the intersection with Maple Ridge Rd. in the town of Lowell, VT. Current Version:			LATITUDE: 44.77179 44.77887	LONGITUDE: -72.51846 -72.51774	
DAMAGE DESCRIPTION AND DIMENSIONS: PA-01-VT-4066-PW-00025(0): During the incident period of May 29, 2012. SITE 1 Heavy rain water flow from a debris blocked culvert, overtopped the roadway causing a road embankment washout of 80ft x 15ft x 5.74ft or 255 cubic yards material lost. The 36" CMP blocked culvert was undamaged. Asphalt roadway was not damaged SITE 2 Heavy rain water flow from a debris blocked culvert overtopped the roadway caused a road embankment washout of 30ft x 12ft x 7.88ft or 105 cubic yards material lost. The 24" CMP blocked culvert was undamaged. Asphalt roadway was not damaged. Current Version:					
SCOPE OF WORK: PA-01-VT-4066-PW-00025(0): WORK COMPLETED The Town of Lowell, using force account labor, material, equipment, rental equipment and contractors repaired the damaged roadway. SITE 1 The 36" CMP culvert was cleared of debris. No other work completed as of July 15, 2012 SITE 2 105 cy. of bank run gravel from the town stockpile was furnished, spread, and graded returning the road embankment back to the predisaster profile. The 24" culvert was cleared of debris. WORK TO BE COMPLETED SITE 1 Town of Lowell is to haul and place 255 cy. of bank run gravel to replace material that was washed away. Work consisted of 14 force account labor and 14 equipment hours. The operational hours provided for the applicant owned equipment are consistent with force account labor documentation. Site is in a flood plan. Codes & Standards was adopted by the Town of March 29, 2011. Applicant has declined to request reimbursement for Direct Administrative Cost. Hazard Mitigation could be identified at this site. Federal funding is contingent upon the applicant acquiring all necessary Federal, State and local permits. Noncompliance with this requirement may jeopardize receipt of Federal Funds. Backup documentation has been reviewed and is on file at the applicant's office. For audit purposes, the applicant must retain records for a period of three years from the date of receipt of final payment Current Version:					
Does the Scope of Work change the pre-disaster conditions at the site? Yes No			Special Considerations included? Yes No		
Hazard Mitigation proposal included? Yes No			Is there insurance coverage on this facility? Yes No		
PROJECT COST					
ITEM	CODE	NARRATIVE	QUANTITY/UNIT	UNIT PRICE	COST
1	0000	WORK COMPLETE	0/LS	\$ 0.00	\$ 0.00
2	9007	LABOR	1/LS	\$ 293.53	\$ 293.53
3	9009	MATERIAL	1/LS	\$ 577.50	\$ 577.50
4	9008	EQUIPMENT	1/LS	\$ 40.00	\$ 40.00

5	9003	CONTRACT COSTS	1/LS	\$ 356.25	\$ 356.25
6	9004	RENTED EQUIPMENT	1/LS	\$ 342.00	\$ 342.00
7	0000	WORK TO BE DONE	0/LS	\$ 0.00	\$ 0.00
8	3021	PIT RUN GRAVEL	255/CY	\$ 14.50	\$ 3,697.50
9	0909	Hazard Mitigation Proposal	1/LS	\$ 3,690.00	\$ 3,690.00
				TOTAL COST	\$ 8,996.78
PREPARED BY JOSEPH COMBES			TITLE Project Specialist	SIGNATURE	
APPLICANT REP. Alden Warner			TITLE Select Board	SIGNATURE	

LOWELL (TOWN OF) : PA-01-VT-4066-PW-00025

Conditions Information

Review Name	Condition Type	Condition Name	Description	Monitored	Status
Final Review	Other (EHP)	Standard Condition #2	This review does not address all federal, state and local requirements. Acceptance of federal funding requires recipient to comply with all federal, state and local laws. Failure to obtain all appropriate federal, state and local environmental permits and clearances may jeopardize federal funding.	No	Approved
Final Review	Other (EHP)	Standard Condition #1	Any change to the approved scope of work will require re-evaluation for compliance with NEPA and other Laws and Executive Orders.	No	Approved
Final Review	Other (EHP)	Clean Water Act (CWA)	CWA: This project is located within or adjacent to a waterway or wetland. Adequate sedimentation and erosion control management measures, practices, and devices; such as phased construction, vegetated filter strips, geotextile silt fences, or other devices, shall be installed and properly maintained to reduce erosion and retain sediment on-site during and after construction. The Applicant is responsible for following this and all other requirements set forth in Section V of the U.S. Army Corps of Engineers' Programmatic General Permit-State of Vermont.	No	Approved
Final Review	Other (EHP)	Standard Condition #3	If ground disturbing activities occur during construction, applicant will monitor ground disturbance and if any potential archeological resources are discovered, will immediately cease construction in that area and notify the State and FEMA.	No	Approved
EHP Review	Other (EHP)	Standard Condition #2	This review does not address all federal, state and local requirements. Acceptance of federal funding requires recipient to comply with all federal, state and local laws. Failure to obtain all appropriate	No	Recommended

			federal, state and local environmental permits and clearances may jeopardize federal funding.		
EHP Review	Other (EHP)	Standard Condition #1	Any change to the approved scope of work will require re-evaluation for compliance with NEPA and other Laws and Executive Orders.	No	Recommended
EHP Review	Other (EHP)	Clean Water Act (CWA)	CWA: This project is located within or adjacent to a waterway or wetland. Adequate sedimentation and erosion control management measures, practices, and devices; such as phased construction, vegetated filter strips, geotextile silt fences, or other devices, shall be installed and properly maintained to reduce erosion and retain sediment on-site during and after construction. The Applicant is responsible for following this and all other requirements set forth in Section V of the U.S. Army Corps of Engineers' Programmatic General Permit-State of Vermont.	No	Recommended
EHP Review	Other (EHP)	Standard Condition #3	If ground disturbing activities occur during construction, applicant will monitor ground disturbance and if any potential archeological resources are discovered, will immediately cease construction in that area and notify the State and FEMA.	No	Recommended

Internal Comments					
No.	Queue	User	Date/Time	Reviewer Comments	
3	Award Review	SYSTEM	08-22-2012 11:33 AM GMT	ACCEPTED	
2	EHP Review	THOMAS PETER	08-08-2012 08:17 PM GMT	<p>Scope of Work: Road and Culvert Repair, Mines Road, Lowell, Orleans County. Heavy rain water flow from 2 blocked culverts overtopped the roadway causing an embankment washout at two locations. The Applicant did the following: Site 1 (44.77887, -72.51774), 36in CMP was cleared of debris. Site 2 (44.77179, -72.51846), 24in was cleared of debris; replaced 105 CY of aggregate on road embankment. The Applicant will replace 255 CY of aggregate on road embankment at Site 1.. As mitigation, 82CY of rip rap will be used to armor the embankment at site 1. This project has been determined to be Categorically Excluded from the need to prepare either an Environmental Impact Statement or Environmental Assessment in accordance with 44 CFR Part 10.8(d)(2)(xv). Particular attention should be given to the project conditions before and during project implementation. Failure to comply with these conditions may jeopardize federal assistance including funding. - cdooley - 08/07/2012 19:14:37 GMT CWA: Project is located adjacent to wetlands. The Applicant shall ensure that Best Management Practices are implemented to prevent erosion and sedimentation to surrounding, nearby or adjacent streams or wetlands –see condition. - cdooley - 08/07/2012 19:17:10 GMT EO 11990: Project is located within or adjacent to wetlands;</p>	

				<p>project is to return facility to pre-disaster condition. See CWA Condition. - cdooley - 08/07/2012 19:36:43 GMT</p> <p>ESA: No Impacts to Listed Species or Habitat based on a review using VT Agency of Natural Resources' Natural Resource Atlas, accessed 08/07/2012. - cdooley - 08/07/2012 19:16:25 GMT</p> <p>EO 11988: Per Flood Insurance Rate Map (FIRM) community map and panel number 500254B dated 12/04/1985, Orleans County; the project is located outside the Special Flood Hazard Areas (SFHA) (100-year floodplain). - cdooley - 08/07/2012 19:35:47 GMT</p> <p>NHPA: A determination of No Historic Properties Affected is made under the terms of the Vermont Programmatic Agreement (2011) Appendix C, III A B C & E. No consultation with SHPO is required. - cdooley - 08/07/2012 19:15:47 GMT</p>
1	Mitigation Review	LANGEN JOHN	08-07-2012 01:57 PM GMT	08/07/2012 THE PROPOSED MITIGATION IS CONSIDERED COST EFFECTIVE UNDER PRE-APPROVED LIST, RR POLICY 9526.1/APPENDIX A/100% RULE. . J.LANGEN