v0

Department of Homeland Security
Federal Emergency Management Agency

General Info

Project #	807994 **P/W #** 435	**Project Type**	Specialized
Project Category	C - Roads and Bridges	**Applicant**	Barnet (005-02875-00)
Project Title	Barnet (Bridge damaged to #41 & #44) A&E Only	**Event**	4810DR-VT (4810DR)
Project Size	Small	**Declaration Date**	8/20/2024
Activity Completion Date	2/20/2027	**Incident Start Date**	7/09/2024
Process Step	Obligated	**Incident End Date**	7/11/2024

Damage Description and Dimensions

The Disaster # 4810DR, which occurred between *07/09/2024* and *07/11/2024*, caused:

Damage #1515815; Carter Street (TH #101) - Washed out bridge

General Facility Information:

- **Facility Type:** Bridges
- **Facility:** Carter Street Bridge (TH# 101)
- **Facility Description:** Facility is a two-lane single-span cast-in-place concrete slab bridge with asphalt deck. Facility superstructure is steel I-beam connected to reinforced concrete abutments via angle brackets. Wing walls upstream are 3 Ft. long x 2 Ft. wide x 2 Ft. thick bin blocks. Downstream wing wall (Eastside only) is cast-in-place concrete.
- **Approx. Year Built:** 1960
- **GPS Latitude/Longitude:** 44.29464, -72.05074
- **Bridge Span Type:** Simple
- **Number of Spans:** 1
- **Type of Decking:** Asphalt
- **Length (ft):** 32
- **Width (ft):** 20
- **Height (ft):** 8
- **Number of Lanes:** 2

General Damage Information:

- **Date Damaged:** 7/10/2024
- **Cause of Damage:** Riverine flooding overtopped bridge damaging streambed, embankments, and superstructure.

Bridge Damage:

Downstream:

- Embankment, 112 CY of 2 FT Minus Angular Stone, 24 Ft. long x 21 Ft. wide x 12 Ft. deep, divided by 27, divided by 2 for slope, riverine flooding eroded East embankment behind wing wall on downstream side, 0% work completed.
- Embankment, 259.1 CY of 2 FT Minus Angular Stone, 53 FT long x 22 FT wide x 6 FT deep, riverine flooding eroded away downstream riverbank and undermined footing of

bridge abutment on Northwest side, 100% work completed.

Upstream:

- Embankment, 96.3 CY of 3 FT Minus Angular Stone, 26 Ft. long x 20 Ft. wide x 10 Ft. deep, divided 27, divided by 2 for slope, riverine flooding eroded Southwest embankment upstream of bridge, 100% work completed.
- Streambed, 75.9 CY of 3 Ft. Minus Shot Rock, 32 FT long x 32 FT wide x 2 FT deep, riverine flooding eroded streambed exposing abutment footings, 100% work completed.
- Streambed, 379.3 CY of 6 FT Minus Angular Stone, 32 FT long x 32 FT wide x 10 FT deep, riverine flooding overtopped bridge eroding streambed and exposing bridge footings, 100% work completed.
- Guard Rail, Galvanized, 26 LF long, riverine flooding overtopped bridge damaging guardrail on upstream side of bridge, 0% work completed.

Damage #1515874; Patneaude Lane (TH #56) - Washed out bridge

General Facility Information:

- **Facility Type:** Bridges
- **Facility:** Patneaude Lane Bridge (TH# 56)
- **Facility Description:** Facility is a simple single-span cast-in-place concrete slab bridge. Facility superstructure is steel I-beam with concrete soffit. Bridge abutments and wing walls are cast-in-place reinforced concrete. Embankments on either side of wing walls are armored with 3-foot Minus Angular Stone. Bridge deck is concrete with 6-inch concrete curbing. Guardrails line both sides of bridge and approaches.
- **Approx. Year Built:** 1960
- **GPS Latitude/Longitude:** 44.30221, -72.06594
- **Bridge Span Type:** Simple
- **Number of Spans:** 1
- **Type of Decking:** Concrete
- **Length (ft):** 46
- **Width (ft):** 20
- **Height (ft):** 16
- **Number of Lanes:** 2

General Damage Information:

- **Date Damaged:** 7/10/2024
- **Cause of Damage:** Riverine flooding eroded streambed underneath abutment footings causing bridge to collapse.

Bridge Damage:

- Abutments, 66.7 CY of Cast-In-Place Reinforced Concrete, 30 Ft. long x 3 Ft. wide x 10 Ft. high x 2 each, riverine flooding eroded streambank underneath abutment footings causing them to collapse, 0% work completed.
- Guard Rail, Galvanized, 260 LF long, riverine flooding eroded streambed underneath abutment footings causing bridge to collapse destroying guardrails, 0% work completed.
- Approaches, 111.1 CY of 3-Inch Minus Crushed Gravel, 25 Ft. long x 20 Ft. wide x 3 Ft. deep times 2 each, riverine flooding collapsed bridge and eroded both approaches. Contractor rebuilt both approaches to accommodate temporary Bailey Bridge, 100% work completed.
- Armor, 182.5 CY of 3-Foot Minus Angular Stone, 44 Ft. long x 16 Ft. wide x 14 Ft. deep, divided by 27, divided by 2 for slope. Dimensions are for South abutment and Northwest abutments only, damage was caused by riverine flooding that scoured streambank underneath bridge footings causing bridge to collapse and eroding embankment behind abutments and wing walls. Applicant installed a temporary Bailey Bridge and placed armoring to protect new approaches, 100% work completed.
- Guard Rail, 44 each of Galvanized Post, 6 FT long x 6 IN wide, riverine flooding scoured underneath bridge footings causing bridge to collapse damaging guardrails and post, 0% work completed.
- Deck, 45.4 CY of Cast-In-Place Concrete, 46 FT long x 20 FT wide x 16 IN thick, riverine flooding scoured streambed underneath abutment footings causing bridge to collapse, 0% work completed.
- Superstructure, 5 each of Steel I-Beam, 50 FT long x 6 IN wide x 12 IN high, riverine flooding scoured

underneath bridge abutments causing bridge to collapse which bent and twisted I-Beams, 0% work completed.
- Curb, 0.85 CY of Curb Mix Concrete, 92 FT long x 6 IN wide x 6 IN thick, riverine flooding scoured streambank underneath abutment footings causing bridge to collapse , 0% work completed.

Final Scope

1515815 Carter Street (TH #101) - Washed out bridge

Work to be completed

The applicant will utilize contracts for repairs to Carter Street (TH #101) - Washed out bridge to restore facilities back to pre-disaster function and capacity. The scope of this project is for architectural and engineering (A&E) services to repair the damage noted in the DDD and the preliminary scope of repairs.

A. Restore 112 CY of 2 FT minus angular stone of 24 FT Long x 21 FT Wide x 12 FT Deep.

B. Restore 259.1 CY of 2 FT minus angular stone of 53 FT Long x 22 FT Wide x 6 FT Deep. (See Project Note #3)

C. Restore 96.3 CY of 3 FT minus angular stone of 26 FT Long x 20 FT Wide x 10 FT Deep. (See Project Note #3)

D. Restore 75.9 CY of 3 FT minus angular stone of 32 FT Long x 32 FT Wide x 2 FT Deep. (See Project Note #3)

E. Restore 379.3 CY of 6 FT minus angular stone of 32 FT Long x 32 FT Wide x 10 FT Deep. (See Project Note #3)

F. Remove and replace guard rail of 26 FT Long.

Total Preliminary Estimated Cost of Construction (Work to be Completed): $390,834.59

Curve B = 12.5%

Total A&E (Architectural & Engineering) Cost: $48,855.93

Scope Note:

1. A&E version 0: Due to the complexity of the damages caused by event, the Applicant is requesting funding to pay for A&E services for the technical evaluation of damages to facilitate the design of the recovery solution. The estimated cost amount for the A&E services for the permanent work to be completed is: $48,855.93. The cost of the architectural and engineering fees is equivalent to 12.5% of the estimated repair cost. Said percentage was obtained after applying engineering services Curve B, which is for projects with average complexity and standard design, as indicated in the CEF Large Projects Instructional Guide v2.1, September 2009. See A&E Estimate in file SP-807994 - 4810DR-VT - A&E Cost Estimate

Project Notes:

1. Only A&E services are included in this version. See attachment labeled *SP-807994 - 4810DR-VT - A&E Cost Estimate*. The intent of these A&E services is for the technical evaluation of damages to facilitate the design of the solution/repair/restoration related to this permanent work project. The permanent work DDD/SOW will be captured in a following Project version.
2. Hazard Mitigation 406 cannot be applied to an A&E version of a Project (Version 0). However, hazard mitigation opportunities may exist and be applied to the Permanent Work Project (on subsequent versions) developed for this Subrecipient. Hazard Mitigation opportunities should be considered during development of the Public Assistance repair Scope of Work.
3. The Applicant is requesting the completion of an A&E version 0 to develop a SOW and/or MOR. The A&E fees will be based on the

costs of the “in-kind” repair/replacement of the facility. Please note that the triggering of Codes and Standards for inclusion into a repair/replacement estimate in a subsequent version requires compliance with the eligibility criteria established in PAPPG v4, Chapter 8, Section III.A. Other improvements not related to eligible repair work may result from Hazard Mitigation or an Improved Project request.

4. The PDMG has clarified/confirmed that the work completed included in the DDD is temporary works that will be claimed under the Category B project # 949617 and no permanent work has been completed at this time. Also, the Applicant is requesting FEMA to estimate an A&E only. For communication, please refer to the labeled document: SP-807994- 4810VT- Project Clarification
5. All borrow or fill material must come from pre-existing stockpiles, material reclaimed from maintained roadside ditches (provided the designed width or depth of the ditch is not increased), or commercially procured material from a source existing prior to the event. For any FEMA-funded project requiring the use of a non-commercial source or a commercial source that was not permitted to operate prior to the event (e.g. a new pit, agricultural fields, road ROWs, etc.) in whole or in part, regardless of the cost, the Applicant must notify FEMA and the Recipient prior to extracting material. FEMA must review the source for compliance with all applicable federal environmental planning and historic preservation laws and executive orders prior to a subrecipient or other contractor commencing borrow extraction. Consultation and regulatory permitting may be required. Non-compliance with this requirement may jeopardize receipt of federal funding. Documentation of borrow sources utilized is required at closeout.
6. Applicant will comply with local, state, and federal procurement laws, regulations, and procedures.

1515874 Patneaude Lane (TH #56) - Washed out bridge

Work to be completed

The applicant will utilize contracts for repairs to Patneaude Lane (TH #56) - Washed out bridge to restore facilities back to pre-disaster function and capacity. The scope of this project is for architectural and engineering (A&E) services to repair the damage noted in the DDD and the preliminary scope of repairs.

A. Remove and replace 66.7 CY of (2 each) abutments of 30 FT Long x 3 FT Wide x 10 FT High.

B. Remove and replace guard rail of 260 FT Long.

A. Restore 111.1 CY of 30 inch minus crushed gravel of 25 FT Long x 20 FT Wide x 10 FT High. (See Project Note #3)

C. Restore 182.5 CY of 3-foot minus angular stone of 44 FT Long x 16 FT Wide x 14 FT Deep. (See Project Note #3)

D. Remove and replace 44 each of guard rail post of 6 FT Long x 6 IN Wide.

E. Remove and replace 45.4 CY of concrete deck of 46 FT Long x 20 FT Wide x 16 IN Thick.

F. Remove and replace 5 each of steel I-Beam of 50 FT Long x 6 IN Wide x 12 IN High.

G. Remove and replace 0.85 CY of concrete curb of 92 FT Long x 6 IN Wide x 6 IN Thick.

Total Preliminary Estimated Cost of Construction (Work to be Completed): $563,496.86

Curve B = 11.8%

Total A&E (Architectural & Engineering) Cost: $66,483.64

Scope Note:

1. A&E version 0: Due to the complexity of the damages caused by event, the Applicant is requesting funding to pay for A&E services for the technical evaluation of damages to facilitate the design of the recovery solution. The estimated cost amount for the A&E services for the permanent work to be completed is: $66,483.64. The cost of the architectural and engineering fees is equivalent to 11.8% of the estimated repair cost. Said percentage was obtained after applying engineering services Curve B, which is for projects with average complexity and standard design, as indicated in the CEF Large Projects Instructional Guide v2.1, September 2009. See A&E Estimate in file SP-807994 - 4810DR-VT - A&E Cost Estimate

Cost

Code	Quantity	Unit	Total Cost	Section
3510 (Engineering And Design Services)	1.00	Lump Sum	$48,855.93	Completed
3510 (Engineering And Design Services)	1.00	Lump Sum	$66,483.64	Completed

CRC Gross Cost	$115,339.57
Total 406 HMP Cost	$0.00
Total Insurance Reductions	$0.00
CRC Net Cost	$115,339.57
Federal Share (75.00%)	$86,504.68
Non-Federal Share (25.00%)	$28,834.89

Award Information

Version Information

Version #	Eligibility Status	Current Location	Bundle Number	Project Amount	Cost Share	Federal Share Obligated	Date Obligated

Drawdown History

EMMIE Drawdown Status As of Date	IFMIS Obligation #	Expenditure Number	Expended Date	Expended Amount
10/24/2025	4810DRVTP00004351	2024DTYU-10232025	10/22/2025	$86,504.68

Obligation History

Version #	Date Obligated	Obligated Cost	Cost Share	IFMIS Status	IFMIS Obligation #
0	7/2/2025	$86,504.68	75%	Accepted	4810DRVTP00004351

Subgrant Conditions

- As described in Title 2 Code of Federal Regulations (C.F.R.) § 200.333, financial records, supporting documents, statistical records and all other non-Federal entity records pertinent to a Federal award must be retained for a period of three (3) years from the date of submission of the final expenditure report or, for Federal awards that are renewed quarterly or annually, from the date of the submission of the quarterly or annual financial report, respectively, as reported to the Federal awarding agency or pass-through entity in the case of a subrecipient. Federal awarding agencies and pass-through entities must not impose any other record retention requirements upon non-Federal entities. Exceptions are stated in 2 C.F.R. §200.333(a) – (f)(1) and (2). All records relative to this project are subject to examination and audit by the State, FEMA and the Comptroller General of the United States and must reflect work related to disaster-specific costs.
- In the seeking of proposals and letting of contracts for eligible work, the Applicant/Subrecipient must comply with its Local, State (provided that the procurements conform to applicable Federal law) and Federal procurement laws, regulations, and procedures as required by FEMA Policy 2 CFR Part 200, Procurement Standards, §§ 317-326.
- The Recipient must submit its certification of the subrecipient's completion of all of its small projects and compliance with all environmental and historic preservation requirements within 180 days of the applicant's completion of its last small project, or the latest approved deadline, whichever is sooner.
- When any individual item of equipment purchased with PA funding is no longer needed, or a residual inventory of unused supplies exceeding $5,000 remains, the subrecipient must follow the disposition requirements in Title 2 Code of Federal Regulations (C.F.R.) § 200.313-314.
- The terms of the FEMA-State Agreement are incorporated by reference into this project under the Public Assistance award and the applicant must comply with all applicable laws, regulations, policy, and guidance. This includes, among others, the Robert T. Stafford Disaster Relief and Emergency Assistance Act; Title 44 of the Code of Federal Regulations; FEMA Policy No. 104-009-2, Public Assistance Program and Policy Guide; and other applicable FEMA policy and guidance.
- The DHS Standard Terms and Conditions in effect as of the declaration date of this emergency declarations or major disaster, as applicable, are incorporated by reference into this project under the Public Assistance grant, which flow down from the Recipient to subrecipients unless a particular term or condition indicates otherwise.
- The Uniform Administrative Requirements, Cost Principles, and Audit Requirements set forth at Title 2 Code of Federal Regulations (C.F.R.) Part 200 apply to this project award under the Public Assistance grant, which flow down from the Recipient to all subrecipients unless a particular section of 2 C.F.R. Part 200, the FEMA-State Agreement, or the terms and conditions of this project award indicate otherwise. See 2 C.F.R. §§ 200.101 and 110.
- The subrecipient must submit a written request through the Recipient to FEMA before it makes a change to the approved scope of work in this project. If the subrecipient commences work associated with a change before FEMA approves the change, it will jeopardize financial assistance for this project. See FEMA Policy No. 104-009-2, Public Assistance Program and Policy Guide.
- Pursuant to section 312 of the Stafford Act, 42 U.S.C. 5155, FEMA is prohibited from providing financial assistance to any entity that receives assistance from another program, insurance, or any other source for the same work. The subrecipient agrees to repay all duplicated assistance to FEMA if they receive assistance for the same work from another Federal agency, insurance, or any other source. If an subrecipient receives funding from another federal program for the same purpose, it must notify FEMA through the Recipient and return any duplicated funding.

Insurance

Additional Information

6/5/2025

This project worksheet addresses A&E costs projected by the sub-applicant for professional fees totaling $115,339.57. No coverage is anticipated for these expenses. No reductions are being made at this time. In the event, any part or all costs are paid by an insurance policy then a duplication of benefits from

insurance will occur. The applicant must notify grantee and FEMA of such recoveries and the sub-grant amount must be reduced by actual insurance proceeds. Sec. 312., Duplication of Benefits (42 U.S.C. 5155) (a).

No insurance requirements are mandated for the A&E costs described in this project. The final insurance requirement will be determined by the estimate for the repair or replacement of the insurable facility. Insurance requirements are specific to permanent work to replace, restore, repair, reconstruct, or construct buildings, contents, equipment, and vehicles (FEMA Recovery Policy FP 206-086-1).

No insurance narrative will be produced or uploaded into documents or attachments.

Ronald Santana Flores, PA Insurance Specialist
CRC Atlantic, Guaynabo, PR

O&M Requirements

There are no Obtain and Maintain Requirements on **Barnet (Bridge damaged to #41 & #44) A&E Only** .

406 Mitigation

6/3/2025 - Project is an A&E VO only. Mitigation measures would be determined when it returns. "Architectural and Engineering (A&E) Projects 406 Hazard Mitigation cannot be applied to A&E Projects (Version 0), however, hazard mitigation opportunities may exist and be applied to the Permanent Work Project (Version 1) developed for this applicant. Hazard Mitigation opportunities should be considered during development of the Public Assistance repair scope of work." ARP

Environmental Historical Preservation

Is this project compliant with EHP laws, regulations, and executive orders? **Yes**

EHP Conditions

- Any change to the approved scope of work will require re-evaluation for compliance with NEPA and other Laws and Executive Orders.
- 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 funding.
- If ground disturbing activities occur during construction, applicant will monitor ground disturbance and if any potential archaeological resources are discovered, will immediately cease construction in that area and notify the State and FEMA.

EHP Additional Info

There is no additional environmental historical preservation on **Barnet (Bridge damaged to #41 & #44) A&E Only** .

Final Reviews

Final Review

Reviewed By GALLANT, MONIQUE E. **Reviewed On** 06/12/2025 10:23 AM EDT

Review Comments

Reviewed by MEG on 6-12-2025.

Recipient Review

Reviewed By Canarecci, Kim **Reviewed On** 06/13/2025 7:24 AM EDT

Review Comments

No comments available for the Recipient Review step

Project Signatures

Signed By Heisholt, Benjamin **Signed On** 06/27/2025