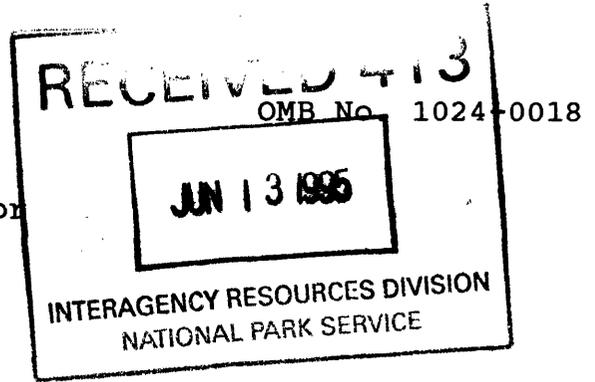


NPS Form 10-900
(Rev. 10-90)



United States Department of the Interior
National Park Service

NATIONAL REGISTER OF HISTORIC PLACES
REGISTRATION FORM

1. Name of Property

historic name Cayey Bridge

other names/site number Bridge #181

2. Location

street & number SR 15, km. #1, Barrios Caimital/Palmas

not for publication

city or town Guayama vicinity X

state Puerto Rico code PR county Guayama code 057 zip code 00784

3. State/Federal Agency Certification

As the designated authority under the National Historic Preservation Act of 1986, as amended, I hereby certify that this X nomination ___ request for determination of eligibility meets the documentation standards for registering properties in the National Register of Historic Places and meets the procedural and professional requirements set forth in 36 CFR Part 60. In my opinion, the property X meets ___ does not meet the National Register Criteria. I recommend that this property be considered significant X nationally X statewide ___ locally. (___ See continuation sheet for additional comments.)

Ayleen Pabón PhD
Signature of certifying official

May 25, 1995
Date

Puerto Rico State Historic Preservation Office
State or Federal agency and bureau

In my opinion, the property ___ meets ___ does not meet the National Register criteria. (___ See continuation sheet for additional comments.)

Signature of commenting or other official

Date

State or Federal agency and bureau

4. National Park Service Certification

I, hereby certify that this property is:

- entered in the National Register
 ___ See continuation sheet.
- determined eligible for the National Register
 ___ See continuation sheet.
- determined not eligible for the National Register
- removed from the National Register
- other (explain): _____

Edson H. Beall
Entered in the
National Register

[Signature] Signature of Keeper Date
of Action

7.19.95

5. Classification

Ownership of Property

- private
- public-local
- public-State
- public-Federal

Category of Property

- building(s)
- district
- site
- structure
- object

Number of Resources within Property

Contributing	Noncontributing	
<u>0</u>	<u>0</u>	buildings
<u>0</u>	<u>0</u>	sites
<u>1</u>	<u>0</u>	structures
<u>0</u>	<u>0</u>	objects
<u>1</u>	<u>0</u>	Total

Number of contributing resources previously listed in the National Register 0

Name of related multiple property listing "Historic Bridges of Puerto Rico"

=====

6. Function or Use

=====

Historic Functions

Cat: Transportation Sub: road related

Current Functions

Cat: Transportation Sub: road related

=====

7. Description

=====

Architectural Classification Other/ iron lateral lattice girder

Materials

foundation	<u>N/A</u>
roof	<u>N/A</u>
walls	<u>N/A</u>
other	<u>superstructure - iron</u> <u>substructure - masonry</u>

Narrative Description

Cayey Bridge is a two-span skew bridge still in use over the Guamaní River on kilometer 1.0 of Route 15, on the old highway from Cayey to Guayama (Photo 1). The girders have more than the lower third of their webs solid and are reinforced, every meter, by vertical elements. Various metal plate patches can be noticed on its main girders. The bridge's corners are protected by ashlar masonry pillars (Photo 2) and its two spans are individually supported (Photo 3). The deck consists of joists and domed plates. The abutment and pier, almost 30 feet in height, made of masonry with corner strings and brickwork bases are very attractive (Photo 4). The setting and the structure have suffered no significant alterations since the period of significance.

This bridge has historic integrity of design, materials, location, feeling, association, workmanship and setting. A description of the structure follows:

span number: 2	construction date: 1891
span length: 20.1 meters	superstructure: iron
total length: 43.5 meters	substructure: masonry
roadway wdt.: 5.70 meters	current condition: good

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8. Statement of Significance
=====

Applicable National Register Criteria

- A Property is associated with events that have made a significant contribution to the broad patterns of our history.
- B Property is associated with the lives of persons significant in our past.
- C Property embodies the distinctive characteristics of a type, period, or method of construction or represents the work of a master, or possesses high artistic values, or represents a significant and distinguishable entity whose components lack individual distinction.
- D Property has yielded, or is likely to yield information important in prehistory or history.

Criteria Considerations

- A owned by a religious institution or used for religious purposes.
- B removed from its original location.
- C a birthplace or a grave.
- D a cemetery.
- E a reconstructed building, object, or structure.
- F a commemorative property.
- G less than 50 years of age or achieved significance within the past 50 years.

Areas of Significance engineering, transportation

Period of Significance 1891-1944

Significant Dates 1891

Significant Person N/A

Cultural Affiliation N/A

Architect/Builder Nicrisse & Decluve, fabricators
Enrique Gadea, inspector

Narrative Statement of Significance

The Cayey Bridge served as part of the 19th century highway between Cayey and Guayama. It became the only highway to reach the eastern coastal region of Puerto Rico during the Spanish sovereignty. The bridge was fabricated by the prominent firm Nicrisse & Decluve of La Louviere, in Belgium for 19,343.78 pesos. Its manufacture was overseen by Eng. Enrique Gadea the Spanish Resident Commissioner of Public Works in Paris.

It is one of two lattice girder bridges with two spans in Puerto Rico, and the only one in which the spans are structurally independent. Lattice girder bridges are unique to Puerto Rico and are examples of technology rare within the jurisdiction of the United States of America.

For further contextual information regarding bridge building in Puerto Rico, registration requirements, and property types, see related multiple property listing "**Historic Bridges of Puerto Rico**".

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9. Major Bibliographical References
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Pumarada O'Neill, Luis. Los Puentes Históricos de Puerto Rico. Centro de Investigación y Desarrollo, RUM, Mayagüez 1991.

Previous documentation on file (NPS)
___ preliminary determination of individual listing (36 CFR 67) has been

- ___ requested.
- ___ previously listed in the National Register
- ___ previously determined eligible by the National Register
- ___ designated a National Historic Landmark
- ___ recorded by Historic American Buildings Survey # _____
- recorded by Historic American Engineering Record # N/A

Primary Location of Additional Data

- ___ State Historic Preservation Office
- Other State agency: **Puerto Rico Highway Authority**
- ___ Federal agency
- ___ Local government
- University of Puerto Rico, Mayagüez Campus**
- ___ Other

Name of repository:

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10. Geographical Data
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Acreage of Property less than one acre

UTM References

	Zone	Easting	Northing	Zone	Easting	Northing
1	<u>19</u>	<u>805480</u>	<u>1992720</u>	3	___	___
2	___	___	___	4	___	___

___ See continuation sheet.

Verbal Boundary Description

The nominated property is a rectangular shaped parcel measuring 43.5 X 5.70 meters, which is centered on the coordinates listed above. Included within this rectangular parcel are the bridge's superstructure, substructure and floor system.

Boundary Justification

The nominated structure includes the bridge's superstructure, substructure, floor system, any approach spans and the property on which they rest. These boundaries encompass, but not exceed, all of the property that has been historically associated with this bridge.

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11. Form Prepared By
=====

name/title Luis Pumarada O'Neill, PhD (Revised and edited PRSHPO)

organization Arqueología Industrial Caribeña date July 31, 1994

street & number 3-D-37 Villa Interamericana telephone (809) 264-4024

city or town San Germán state PR zip code 00683

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Property Owner
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name Public Works Department, Puerto Rico

street & number Minillas Government Center telephone (809) 729-1529

city or town San Juan state PR zip code 00907