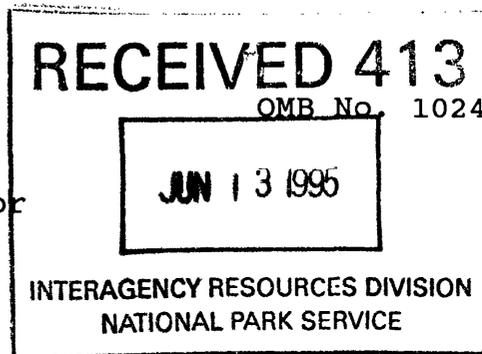


NPS Form 10-900  
(Rev. 10-90)

United States Department of the Interior  
National Park Service

NATIONAL REGISTER OF HISTORIC PLACES  
REGISTRATION FORM



1. Name of Property

historic name La Liendre Bridge

other names/site number Bridge #467

2. Location

street & number SR 735, km 0.7, Barrios Vegas/Arenas

not for publication

city or town Cayey vicinity X

state Puerto Rico code PR county Cayey code 035 zip code 00736

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      nationally X statewide      locally. (      See continuation sheet for additional comments.)

Arleen Pabón PhD  
Signature of certifying official

June 7, 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



=====

6. Function or Use

=====

Historic Functions

Cat: Transportation Sub: road-related

Current Functions

Cat: Transportation Sub: road-related

=====

7. Description

=====

Architectural Classification Other/ iron lattice lateral girder

Materials

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

Narrative Description

La Liendre Bridge crosses approximately fifty feet over the bed of Beatriz Creek (Photo 1). It is still in use in kilometer 0.7 of route 735, formerly a part of the Old Carretera Central between Cayey and Caguas. It stands out because of the waved edge of the webs of the chord "T" elements, the vertical extent of the lattice that embraces all of the web, and the secondary longitudinal joists that hold, together with the main transverse joists, all four sides of the deck's iron domed central-drainage plates (Photo 2). This deck system, more rigid than the one used in most lattice bridges, responds to the absence of a solid lower third part of the web to help support the joists. The abutments evidence excellent stonework. This structure and its setting have suffered no significant alterations since the period of significance. The bridge retains a high degree of integrity of design, workmanship, feeling, association, materials, and setting. A description of the structure follows:

span number:	1	construction date:	1877
span length:	17.9 meters	superstructure:	iron
total length:	17.9 meters	substructure:	ashlar masonry
roadway wdt.:	4.60 meters	current condition:	good

=====  
8. Statement of Significance  
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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 1877-1944

Significant Dates 1877

Significant Person N/A

Cultural Affiliation N/A

Architect/Builder Eng. Manuel López-Bayo, designer  
Eugene Rollin & Co., fabricator  
José Echevarría, inspector

Narrative Statement of Significance

La Liendre Bridge is the earliest extant lattice girder transverse joist bridge in Puerto Rico. Designed by Engineer Manuel López-Bayo, its metal structure was acquired by José de Echevarría, Resident Commissioner of Public Works in Paris. The bridge's superstructure was fabricated by the prominent and proficient Belgian firm Eugene Rollin & Co. for 9,410 francs and transported to Puerto Rico on board the Danish ship "Galeón".

This bridge was erected for the Caguas-Cupey stretch of the first highway to cross the island's central mountain range, the Carretera Central.

For further contextual information regarding bridge building in Puerto Rico, registration requirements, prominent engineers and firms, 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:

=====  
10. Geographical Data  
=====

Acreage of Property less than one acre

UTM References

Zone Easting Northing      Zone Easting Northing

1   19   803590   2007540   3                             
2                              4                             
           See continuation sheet.

Verbal Boundary Description

The nominated property is a rectangular shaped parcel measuring 17.9 X 4.60 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, Ph.D. (Revised and edited by 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

=====  
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