	and the design of the second
NPS Form 10-900 (Rev. 10-90) United States Department of the Interio National Park Service NATIONAL REGISTER OF HISTORIC PLACES REGISTRATION FORM	RECEIVED 413 OMB No. 1024-0018 JN 1 3 1995 INTERAGENCY RESOURCES DIVISION NATIONAL PARK SERVICE
1. Name of Property	
historic name <u>La Liendre Bridge</u>	
other names/site number <u>Bridge #467</u>	
2. Location	
not for publication city or town <u>Cayey</u> vicinity <u>X</u> state <u>Puerto Rico</u> code <u>PR</u> county <u>Caye</u> 3. State/Federal Agency Certification	<b>9y</b> code <u>035</u> zip code <u>00736</u>
Arleen Pabón PhD Ju	fy that this <u>X</u> nomination bility meets the documentation in the National Register of and professional requirements pinion, the property <u>X</u> meets cer Criteria. I recommend that
<u>Puerto Rico State Historic Preservation</u> State or Federal agency and bureau	Office
In my opinion, the property meets Register criteria. ( See contin comments.)	does not meet the National nuation sheet for additional
Signature of commenting or other offici	al Date

24 1

State or Federal agency and bureau

USDI/NPS NRHP Form La Liendre Bridge Cayey, Puerto Rico Historic Bridges of Puerto Rico	Page #2
4. National Park Service Certification	
I, hereby certify that this property is: 	<u>7.19.95</u>
Other (explain) Signature of Keeper 5. Classification	Date of Action
<pre>ownership of Property private public-local public-State public-Federal</pre>	
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 N Register	ational

Name of related multiple property listing **"Historic Bridges of Puerto** <u>Rico"</u>

### USDI/NPS NRHP Form La Liendre Bridge Cayey, Puerto Rico Historic Bridges of Puerto Rico

6. Function or Use

\_\_\_\_\_

Historic Functions

Cat: <u>Transportation</u> Sub: <u>road-related</u>

Current Functions Cat: Transportation Sub: road-related

cac. <u>Ilanspoleation</u> Sub. <u>Ioau-lelateu</u>

7. Description

Architectural Classification Other/ iron lattice lateral girder

# Materials

foundation	<u>N/A</u>
roof	N/A
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:		construction date:	1877
span length:		superstructure:	iron
total length: roadway wdt.:	17.9 meters	-	ashlar masonry

Page #4

8. Statement of Significance

\_\_\_\_\_

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Applicable National Register Criteria

- X 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.
- X 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/BuilderEng. Manuel López-Bayo, designerEugene Rollin & Co., fabricatorJosé Echevarría, inspector

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".

9. Major Bibliographical References

# Pumarada O'Neill, Luis. <u>Los Puentes Históricos de Puerto Rico</u>. 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 #

X recorded by Historic American Engineering Record # N/A

Primary Location of Additional Data

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

Other Name of repository:

### USDI/NPS NRHP Form La Liendre Bridge Cayey, Puerto Rico Historic Bridges of Puerto Rico


10. Geographical Data

Acreage of Property <u>less than one acre</u>

#### UTM References

Zone Easting Northing Zone Easting Northing

**1 <u>19</u> <u>803590</u> <u>2007540</u> 3 \_\_\_\_\_** 

2 \_\_\_\_\_ 4 \_\_\_\_\_ \_\_\_ \_\_\_\_ \_\_\_\_ \_\_\_\_\_

## 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.

11. Form Prepared By

name/title Luis Pumarada O'Neill, Ph.D. (Revised and edited by PRSHPO)

organization Argueología Industrial Caribeña date July 31, 1994

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

city or town <u>San Germán</u> state <u>PR</u> zip code <u>00683</u>

Property Owner

#### name Public Works Department, Puerto Rico

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

city or town <u>San Juan</u> state <u>PR</u> zip code <u>00907</u>