HAER INVENTORY

Historic American Engineering Record
Department of the Interior, Washington, D.C. 20240

1. SITE I.D. NO

2. INDUSTRIAL CLASSIFICATION: Bridges, Trestles, and Aqueducts
TRUSS: steel 7603
261/125 261600148000

3. PRIORITY: 1

4. DANGER OF DEMOLITION? (SPECIFY THREAT) ☐ YES ☐ NO ☒ UNKNOWN

5. DATE: 1927/68

6. GOVT SOURCE OF THREAT: OWNER ADMIN

7. OWNER/ADMIN: State Department of Transportation

8. NAME(S) OF STRUCTURE: Snake River Bridge/Lyons Ferry

9. OWNER'S ADDRESS: Highway Administration Building
Olympia, Washington 98504

10. STATE WA COUNTY 013 COUNTY NAME: Columbia CITY/VICINITY: Lyons Ferry CONG. DIST. 05

STATE ___ COUNTY ___ COUNTY NAME ___ CITY/VICINITY ___ CONG. DIST. ___

11. SITE ADDRESS (STREET & NO.): 15.5 miles north Jct. S.R. 12

12. EXISTING SURVEYS ☐ NR ☐ NHL ☐ HABS ☐ HAER—I ☐ HAER ☐ NPS ☐ CL6
☐ CONF ☐ STATE ☐ COUNTY ☐ LOCAL ☐ OTHER

13. SPECIAL FEATURES (DESCRIBE BELOW)
☐ INTERIOR INTACT ☐ EXTERIOR INTACT ☐ ENVIRONS INTACT

14. UTM ZONE 11 EASTING 406200 NORTHING 5160250 SIGN
SCALE ☐ 1:24 ☒ 1:62.5 ☐ OTHER ___ QUAD NAME Starbuck, Washington

UTM ZONE ___ EASTING ___ NORTHING ___ SIGN ___
SCALE ☐ 1:24 ☐ 1:62.5 ☐ OTHER ___ QUAD NAME ___

15. CONDITION 70 ☐ EXCELLENT 71 ☐ GOOD 72 ☐ FAIR 73 ☐ DETERIORATED 74 ☐ RUINS 75 ☐ UNEXPOSED 76 ☐ ALTERED 82 ☐ DESTROYED 85 ☐ DEMOLISHED

16. INVENTORIED BY: Lisa Soderberg | AFFILIATION: HAER/Washington State Bridge Inventory | DATE: August 1979

17. DESCRIPTION AND BACKGROUND HISTORY, INCLUDING CONSTRUCTION DATE(S), HISTORICAL DATE(S), PHYSICAL DIMENSIONS, MATERIALS, EXTANT EQUIPMENT, AND IMPORTANT BUILDERS, ENGINEERS, ETC.

Although there had been efforts to link Grant and Kittitas County since 1915, it was not until 1927 that a 1,636 foot cantilever truss was constructed across the Columbia River at Vantage. The steel structure consisted of four 168 foot steel Warren deck trusses, two 220 foot steel anchor arms, two 160 foot cantilever trusses, and one 200 foot suspended span. The bridge at Vantage was one of four large cantilever highway bridges built across the Columbia River during the 20's, confirming the proliferation and permanence of the automobile. It served as a link across the Columbia until the construction of the Wanapam Dam in the early 1960's necessitated a bridge at a higher elevation. At this time the Vantage Bridge was dismantled by the State Department of Transportation, and the structural components were stored.

In 1968, the bridge was re-erected on newly constructed piers over the Snake River at Lyons Ferry as part of a new secondary state highway. It replaced a ferry system that had been in service for over 100 years. In its new location, the bridge assumed a length of 2040 feet with the addition of four prestressed concrete beams. (CONT OVER)

18. ORIGINAL USE: vehicular | PRESENT USE: vehicular | ADAPTIVE USE: ___

19. REFERENCES—HISTORICAL REFERENCES, PERSONAL CONTACTS, AND/OR OTHER
State Department of Transportation bridge files.

(CONT OVER)

20. URBAN AREA 50,000 POP. OR MORE? ☐ YES ☒ NO

21. NPS REGION NW

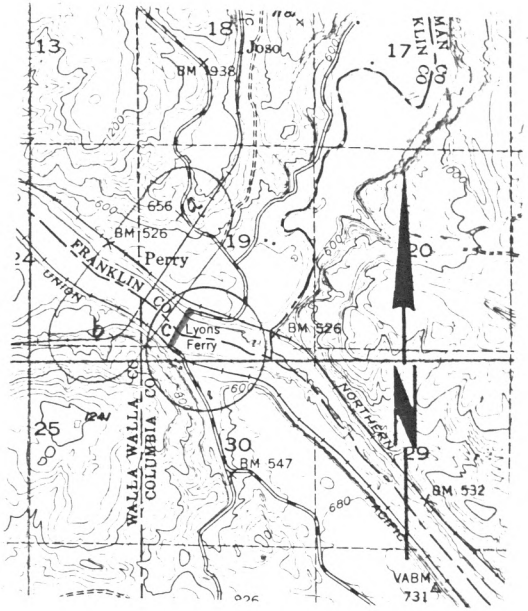
22. PUBLIC ACCESSIBILITY ☐ YES, LIMITED ☒ YES, UNLIMITED ☐ NO ☐ UNKNOWN

23. EDITOR INDEXER ___

24. LOCATED IN AN HISTORIC DISTRICT? ☐ YES ☒ NO NAME ___ DISTRICT I.D. NO ___

USDI—NATIONAL PARK SERVICE FORM 10-292 (10/77)

25. PHOTOS AND SKETCH MAP OF LOCATION



DESCRIPTION (CONTINUED)

The Lyons Ferry Bridge is a rather late example of the once common practice of reusing a truss at different locations. Part of the merit of the truss lies in the versatility and economy of its design. Because of the standardization of its parts, it can be easily rebuilt to fit the dimensions of several crossings during its lifetime.

The Snake River Bridge is representative of the cantilever truss, a truss form used in the construction of long span bridges. It is significant as part of the major construction of long-span highway bridges that occurred in Washington State during the 20's. And it is significant in the manner in which it demonstrates the flexibility and versatility of the long span truss, and its capabilities in serving more than one crossing.

ABSTRACT

HAER NO | LC | TECH REPORT | HIST REPORT | CONTEMP PHOTO | HIST PHOTO | CONTEMP DRWG | HIST DRWG | COLOR PLATE | PHOTOGRAM | SW | FILM