1. SITE I.D. NO

HAER INVENTORY

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

2. INDUSTRIAL CLASSIFICATION: Bridges, Trestles, and Aqueducts 7603
TRUSS: steel
County Designation Number: 2

3. PRIORITY: 1

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

5. DATE: 1908/70

6. GOVT SOURCE OF THREAT: OWNER ADMIN

7. OWNER/ADMIN: Ferry County

8. NAME(S) OF STRUCTURE: Curlew Bridge

9. OWNER'S ADDRESS:
County Engineer
Ferry County Courthouse
Republic, Washington 99166

10. STATE WA COUNTY 019 | COUNTY NAME: Ferry | CITY/VICINITY: Curlew | CONG. DIST. 05
STATE ___ COUNTY ___ | COUNTY NAME | CITY/VICINITY | CONG. DIST.

11. SITE ADDRESS (STREET & NO.)
Crossing: Kettle River
S.T.R. 14 39N 33E

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 382680 | NORTHING 5415750 | SIGN
SCALE ☐ 1:24 ☒ 1:62.5 ☐ OTHER ___ QUAD NAME: Curlew, 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: October 1979

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

In 1908, William Oliver of Spokane erected a 182 foot steel pinconnected Parker truss across the Kettle River at Curlew to replace the first bridge constructed at this crossing which had been washed out by a flood. Before a structure spanned the river, a cable ferry was instituted in 1897 to transport people to and from the General Store.

The 213 foot bridge includes two short timber trestle approach spans, and stands on steel riveted tubular piers that are filled with concrete. Its timber deck which was replanked in 1970, is 14.7 feet wide, curb to curb.

In contrast to the uniform depth of the parallel chords of the basic Pratt truss, the polygonal top chord of this Parker truss which reaches its greatest height at the center panel, reflects the increase in bending moment that occurs as one moves from the ends of the truss to the center. The use of the arched top chord increased the rigidity of the bridge, and consequently enabled the construction of longer spans. For example, the Curlew Bridge is 30 feet longer

(CONT OVER)

18. ORIGINAL USE: Bridge/vehicular | PRESENT USE: Bridge/vehicular | ADAPTIVE USE:

19. REFERENCES—HISTORICAL REFERENCES, PERSONAL CONTACTS, AND/OR OTHER

Ferry County Bridge Files.
Bridge Plate
Richard F. Steele, History of North Washington, (Western Historical Publishing Company, 1904), p. 427.

(CONT OVER)

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

21. HCRS REGION N W

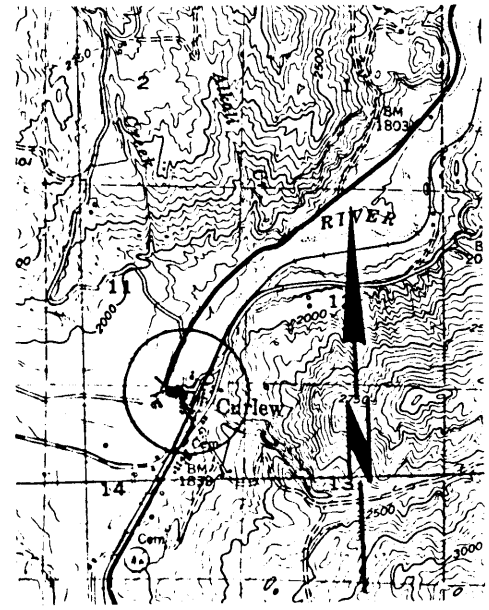
22. PUBLIC ACCESSIBILITY ☐ YES, LIMITED ☒ YES, UNLIMITED ☐ NO ☐ UNKNOWN

23. EDITOR INDEXER

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

FHR-8-260 1/79

25. PHOTOS AND SKETCH MAP OF LOCATION



DESCRIPTION (CONTINUED)

than the maximum length customarily used for the basic Pratt truss. It consists of nine panels. The diagonals which are a pair of rectilinear eyebars, are counterbalanced in the three center panels with cylindrical rods.

Of the five existing pinconnected Parker trusses built before 1910, the Curlew Bridge and the Orient Bridge, also over the Kettle River, are the least altered examples of this truss type within the State.

Providing access to the small community of Curlew, the bridge remains virtually unaltered in an environment very similar to the one in which it was built 71 years ago. It is significant as a representative of a common truss type of the late 19th and early 20th centuries.

ABSTRACT

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

GPO 937 842