

1. SITE I.D. NO

HAER INVENTORY

2. INDUSTRIAL CLASSIFICATION
Bridges, Trestles, and Aqueducts

3. PRIORITY
1

4. DANGER OF DEMOLITION? YES NO UNKNOWN

ARCH: **steel**

5. DATE
1921

6. GOVT SOURCE OF THREAT
OWNER ADMIN

165.10 1650001150

7. OWNER/ADMIN
State Department of Transportation

8. NAME(S) OF STRUCTURE
Fairfax Bridge

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

10. STATE **WA** COUNTY NAME **Pierce** CITY/VICINITY **Melmont** CONG. DIST. **03**

STATE **WA** COUNTY NAME CITY/VICINITY CONG. DIST.

11. SITE ADDRESS (STREET & NO)
Crossing: Carbon River

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

5.2 miles south of Wilkeson / 11.6 N of Rainier Park

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

14. UTM ZONE EASTING NORTHING SIGN
10 572900 520999 0

SCALE 1:24 1:62.5
 OTHER QUAD NAME **Lake Tapps, 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 **March 1979**

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

In 1921, a riveted steel arch was built jointly by the County and State across the Carbon River providing the link which enabled the construction of the first road to Fairfax. Previously a train, which passed through Fairfax only twice a day, was the town's primary route to the outside world. The only other alternative to this sporadic transportation service was walking to Melmont where there was a wagon road to other towns. Needless to say, the construction of the steel arch which was purported to be the highest span in the state at the time of tis construction, was a vital transportation link to this remote town.

The 494 foot structure consists of a 240 foot three-hinged braced rib steel arch, two 14 foot steel towers, and 16 timber trestle approach spans. The chords of the ribs are composed of channels. They are braced with two angles that are latticed in a Warren truss configuration. The vertical members of the towers and spandrel columns are made up of two latticed channels. The 17.4 foot wide roadway rests on a Warren stiffening truss. The steel was (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.
J.A.L. Waddell, Bridge Engineering, 2 Vols., (New York, 1916) 1:617-636.**

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

