

RECEIVED

FEB 13 1995

United States Department of the Interior
National Park Service

National Register of Historic Places
Registration Form

INTERAGENCY RESOURCES DIVISION
NATIONAL PARK SERVICE

This form is for use in nominating or requesting determinations for individual properties and districts. See instructions in *How to Complete the National Register of Historic Places Registration Form* (National Register Bulletin 16A). Complete each item by marking "x" in the appropriate box or by entering the information requested. If an item does not apply to the property being documented, enter "N/A" for "not applicable." For functions, architectural classification, materials, and areas of significance, enter only categories and subcategories from the instructions. Place additional entries and narrative items on continuation sheets (NPS Form 10-900a). Use a typewriter, word processor, or computer, to complete all items.

1. Name of Property

historic name Jim Creek Bridge

other names/site number WSDOT Bridge No. 503-112

2. Location

street & number State Route 503, spanning Jim Creek not for publication

city or town Woodland vicinity

state Washington code WA county Cowlitz code WA 015 zip code 98674

3. State/Federal Agency Certification

As the designated authority under the National Historic Preservation Act, as amended, I hereby certify that this 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 meets does not meet the National Register criteria. I recommend that this property be considered significant nationally statewide locally. (See continuation sheet for additional comments.)

May M. Hancock 2/1/95
Signature of certifying official/Title Date

State of 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 certifying official/Title Date

State or Federal agency and bureau

4. National Park Service Certification

I hereby certify that the property is:

- entered in the National Register.
 See continuation sheet.
- determined eligible for the National Register.
 See continuation sheet.
- determined not eligible for the National Register.
- removed from the National Register.
- other, (explain:)

Edson H. Beall 3/25/95
Signature of the Keeper Date of Action

Jim Creek Bridge
Name of Property

Cowlitz, Washington
County and State

5. Classification

Ownership of Property

(Check as many boxes as apply)

- private
- public-local
- public-State
- public-Federal

Category of Property

(Check only one box)

- building(s)
- district
- site
- structure
- object

Number of Resources within Property

(Do not include previously listed resources in the count.)

Contributing	Noncontributing	
_____	_____	buildings
_____	_____	sites
1	_____	structures
_____	_____	objects
1	_____	Total

Name of related multiple property listing

(Enter "N/A" if property is not part of a multiple property listing.)

"Bridges of Washington State, 1941-1950"
"Historic Bridges & Tunnels in Washington State"

Number of contributing resources previously listed in the National Register

0

6. Function or Use

Historic Functions

(Enter categories from instructions)

Transportation/road-related: bridge

Current Functions

(Enter categories from instructions)

Transportation/road-related: bridge

7. Description

Architectural Classification

(Enter categories from instructions)

Other: Concrete arch

Materials

(Enter categories from instructions)

foundation _____
walls _____
roof _____
other Concrete _____

Narrative Description

(Describe the historic and current condition of the property on one or more continuation sheets.)

8. Statement of Significance

Applicable National Register Criteria

(Mark "x" in one or more boxes for the criteria qualifying the property for National Register listing.)

- 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

(Mark "x" in all the boxes that apply.)

Property is:

- A** owned by a religious institution or used for religious purposes.
- B** removed from its original location.
- C** a birthplace or 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

(Enter categories from instructions)

Engineering

Transportation

Period of Significance

1943-1945

Significant Dates

1943

Significant Person

(Complete if Criterion B is marked above)

N/A

Cultural Affiliation

N/A

Architect/Builder

State of Washington, Dept. of Highways

Macri Brothers (Contractors)

Narrative Statement of Significance

(Explain the significance of the property on one or more continuation sheets.)

9. Major Bibliographical References

Bibliography

(Cite the books, articles, and other sources used in preparing this form on one or more continuation sheets.)

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 # _____

Primary location of additional data:

- State Historic Preservation Office
- Other State agency
- Federal agency
- Local government
- University
- Other

Name of repository: WSDOT, Bridge Condition Unit, Olympia, WA; Archaeological & Historical Services, Eastern Washington University, Chene WA.

Jim Creek Bridge
Name of Property

Cowlitz, Washington
County and State

10. Geographical Data

Acreage of Property Less than one acre.

UTM References

(Place additional UTM references on a continuation sheet.)

1	1 0	5 3 7 5 3 0	5 0 9 3 4 9 0
	Zone	Easting	Northing
2			

3			
	Zone	Easting	Northing
4			

See continuation sheet

Verbal Boundary Description The property is a bridge, measuring 308 feet, spanning Jim Creek and (Describe the boundaries of the property on a continuation sheet.) the Jim Creek Canyon on State Route 503 (SR-503), Cowlitz County, Washington.

Boundary Justification The boundary of the property is the bridge itself. (Explain why the boundaries were selected on a continuation sheet.)

11. Form Prepared By

name/title Robert H. Krier, J. Byron Barber, Robin Bruce, Craig Holstine, AHS

organization AHS, Eastern Washington University date 3 December 1991

street & number MS-168 Monroe Hall telephone (509) 359-2284

city or town Cheney state WA zip code 99004

Additional Documentation

Submit the following items with the completed form:

Continuation Sheets

Maps

A **USGS map** (7.5 or 15 minute series) indicating the property's location.

A **Sketch map** for historic districts and properties having large acreage or numerous resources.

Photographs

Representative **black and white photographs** of the property.

Additional items

(Check with the SHPO or FPO for any additional items)

Property Owner

(Complete this item at the request of SHPO or FPO.)

name _____

street & number _____ telephone _____

city or town _____ state _____ zip code _____

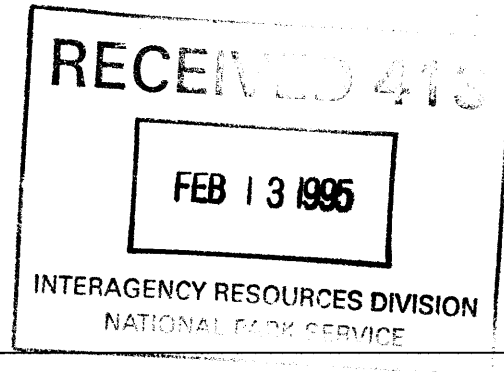
Paperwork Reduction Act Statement: This information is being collected for applications to the National Register of Historic Places to nominate properties for listing or determine eligibility for listing, to list properties, and to amend existing listings. Response to this request is required to obtain a benefit in accordance with the National Historic Preservation Act, as amended (16 U.S.C. 470 et seq.).

Estimated Burden Statement: Public reporting burden for this form is estimated to average 18.1 hours per response including time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding this burden estimate or any aspect of this form to the Chief, Administrative Services Division, National Park Service, P.O. Box 37127, Washington, DC 20013-7127; and the Office of Management and Budget, Paperwork Reductions Projects (1024-0018), Washington, DC 20503.

United States Department of the Interior
National Park Service

National Register of Historic Places Continuation Sheet

Section number 7.8 Page 1



7. Physical Description.

Completed in 1945, the concrete arch Jim Creek Bridge replaced an earlier bridge spanning Jim Creek and rugged Jim Creek Canyon on this lightly traveled portion of State Route 503. The present structure is 308 feet in length with the parabolic main span consisting of a 179-foot open spandrel rib-type reinforced concrete deck arch. The arch is composed of two ribs at 18 feet center-to-center that are connected by eight cross struts at approximately 20 feet on centers. The height of the arch from springline to crown is 43 feet. The height from the bottom of the creek bed to the top of the roadway is approximately 120 feet. The ribs vary in depth from 5 feet 3 inches at the springline to 3 feet at the crown and are 3 feet 6 inches in width. The spandrel columns are at 20-foot centers and support a parabolic T-beam superstructure having a 24-foot roadway with two-foot curbs on each side. The approach spans are parabolic T-beams with spans of approximately 20 feet: two spans for the west approach and three spans for the east approach.

8. Statement of Significance.

The Jim Creek Bridge is eligible for inclusion in the National Register of Historic Places under Criteria A and C. The structure is significant as one of the few concrete arch bridges built during the 1941–1950 era. The high vault of its arch accentuates the precipitous gorge which it crosses, lending a sense of old-world enchantment to this remote setting. Situated in a mountainous forest environment, the graceful concrete arch bridge spanning Jim Creek is one of the most aesthetically pleasing concrete arch bridges built in the 1941–1950 era. The elegant structure is all the more remarkable because it was constructed during World War II (1944 and 1945) when bridge construction was substantially curtailed due to a severe shortages of construction manpower and availability of materials. Construction of the Jim Creek Bridge epitomized the ingenuity and resourcefulness of civilian agencies in completing substantial public works projects during a time of severe material shortages.

In September 1943, the Department of Highways purchased 430 tons of steel reinforcing bars from surplus stocks of war projects. The acquisition of these bars made possible the construction of a number of structures which otherwise could not have been built, one being the Jim Creek Bridge, erected with 82 tons of reinforcing steel from Department stock on hand. The Department's decision to commit nearly 20 percent of surplus stocks of critical materials purchased in 1943 for completion of the Jim Creek Bridge indicates that the structure was a priority project, most likely because of the role the bridge played in providing access to vital timber reserves for the war effort. The Jim Creek Bridge was one of two bridges (the other being the Johnson Creek Bridge on the same highway) awarded under contract number 2912. Contract price for the structures was approximately \$77,210. Burwell Bantz was the Director of Highways; the Bridge Engineer was R. W. Finke. The Contractor was Macri Brothers and Company.

The Jim Creek Bridge is appreciated by few travelers on this remote section of State Route 503 following the Lewis River southwest of Mount St. Helens. Yet the bridge nonetheless displays engineering and design details characteristic of more highly visible structures in urban settings.

United States Department of the Interior
National Park Service

National Register of Historic Places Continuation Sheet

Section number 9 Page 1

9. Major Bibliographical References.

Washington State Department of Highways. *Biennial Reports*, 1942–1944, 1946–1948.

Washington State Department of Transportation (WSDOT). Jim Creek Bridge plans, dated 5 April 1945, on file in the Bridge Preservation Office, WSDOT, Olympia, Washington.

WSDOT. “Bridge Condition Card—Jim Creek Bridge,” 22 August 1945, on file in the Bridge Preservation Office, WSDOT, Olympia, Washington.