NPS Form 10-900
(Oct. 1990)

OMB No. 10024-0018

29N 25E 23

United States Department of the Interior
National Park Service

National Register of Historic Places Registration Form

DO 650

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 Columbia River Bridge at Bridgeport

other names/site number WSDOT 17/401

2. Location

street & number State Route 17, spanning the Columbia River ☐ not for publication

city or town Bridgeport ☒ vicinity

state Washington code WA county Douglas & Okanogan code 017, 047 zip code 98813

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.)

Signature of certifying official/Title — Date 3/8/95

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: — Signature of the Keeper — Date of Action

- ☐ 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:) _____

Columbia River Bridge at Bridgeport
Name of Property

Douglas/Okanogan, Washington
County 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: steel deck truss

Materials
(Enter categories from instructions)
foundation
walls
roof
other steel

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

Columbia River Bridge at Bridgeport
Name of Property

Douglas/Okanogan, Washington
County and State

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

1950-1952

Significant Dates

1950

Significant Person
(Complete if Criterion B is marked above)

n/a

Cultural Affiliation

n/a

Architect/Builder

Seattle District, U.S. Army Corps of Engineers

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: Bridge Condition Unit, WSDOT, Olympia, WA; AHS, Eastern Washington University, Cheney, WA

Columbia River Bridge at Bridgeport
Name of Property

Douglas/Okanogan, Washington
County State

10. Geographical Data

Acreage of Property less than one acre

UTM References
(Place additional UTM references on a continuation sheet.)

	Zone	Easting	Northing
1	11	302060	5319630
2			
3			
4			

☐ See continuation sheet

Verbal Boundary Description (Describe the boundaries of the property on a continuation sheet.) The property is a bridge, measuring 1,150 feet, spanning the Columbia River on State Route 17, and connecting Douglas and Okanogan counties, Washington.

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

11. Form Prepared By

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

organization AHS, Eastern Washington University date 26 November 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

7. Physical Description.

Constructed in 1950, the Columbia River Bridge at Bridgeport is a three-span continuous riveted steel deck truss. The structure consists of two 70-foot-long north approach spans, a three-span continuous riveted steel deck truss with 250-foot-long end spans and a 300-foot-long center span, and two 100-foot-long south apprach spans.

The two 70-foot long north approach spans each consist of five 36-inch-deep rolled wide-flange steel beams with 11-inch by one-half-inch by 33-foot-long bottom cover plates. The concrete deck slabs anchored to the top flanges of the steel beams with shear lugs in a composite design.

The two 100-foot-long south approach spans each consist of five riveted steel built-up plate girders with 62-inch-deep webs, two flange angles top and bottom, and bottom cover plates. The concrete deck slab is anchored to the top flanges of the girders with shear lugs in a composite design identical to that on the north approach spans.

The truss section of the bridge consists of two 250-foot-long end spans and a 300-foot-long center span, for a total length of 800 feet. In the deck truss, the top chord is straight and the bottom chords are curved to provide additional depth over the interior piers. The reinforced concrete roadway slab is supported on the top chords of the trusses by 27-inch-deep rolled wide-flange floor beams and 21-inch-deep rolled wide-flange stringers. Two types of structural steel were used: silicon and carbon. The bridge deck provides a 26-foot-wide roadway and two 3-foot-wide sidewalks.

8. Statement of Significance.

The Columbia River Bridge at Bridgeport is eligible for inclusion in the National Register of Historic Places under Criteria A and C. The structure was designed and built by the Seattle District, U.S. Army Corps in 1950 as part of the Chief Joseph Dam access road project. The bridge played a key role in the completion of one of the largest hydroelectric projects on the Columbia River, the Chief Joseph Dam. Construction of the dam itself would have been severely hampered without the bridge to facilitate movement of workers and supplies to the remote dam site. In addition to its association with the Chief Joseph Dam project, the heavy-duty design elements of the bridge represent successful engineering solutions to threats posed by extreme winds in the Columbia River Valley, exceptionally forceful waterfalls and volume of water, and considerable breadth presented by one of America's greatest western rivers. The bridge was licensed by the United States to the State of Washington in 1952 for maintenance.

The Columbia River Bridge at Bridgeport was the only deck truss structure of outstanding significance built in the State in the period 1941–1950. The bridge connects Douglas and Okanogan counties.

9. Major Bibliographical References.

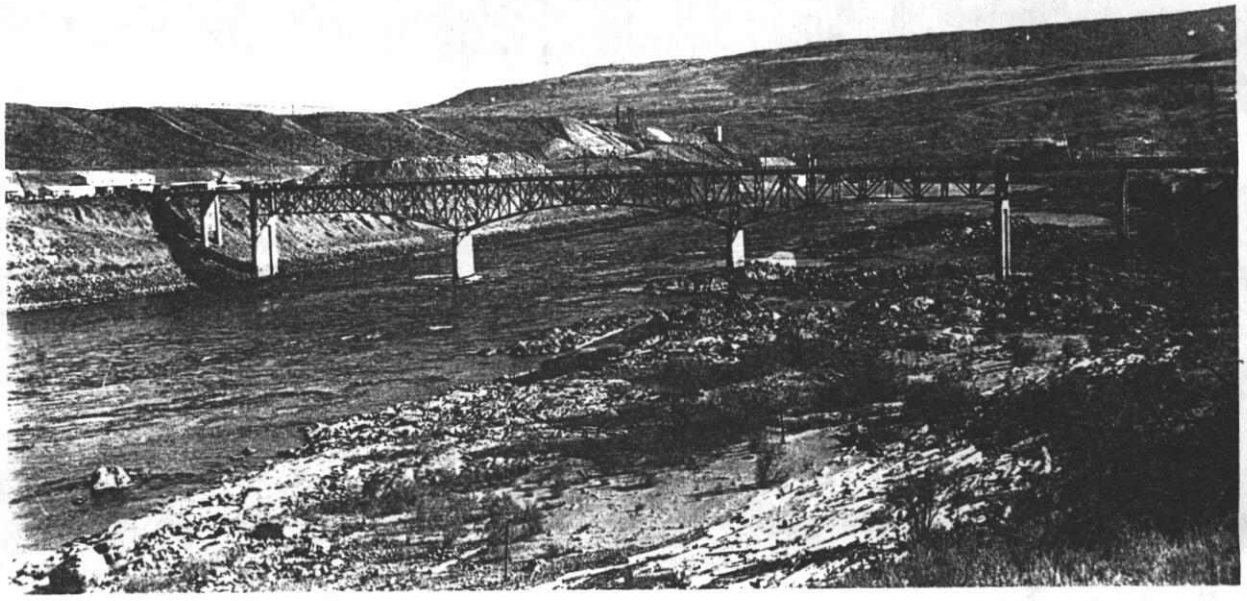
Swanson, David P. (Washington State Highway Commission). Letter to C. S. Gloyd (Washington State Department of Transportation, Bridges and Structures), 15 November 1973. Describes history and licensing agreement concerning the bridge.

Washington State Department of Transportation (WSDOT). Columbia River Bridge at Bridgeport plans, dated 20 July 1949, on file in the office of the Bridge Preservation Unit, WSDOT, Olympia.

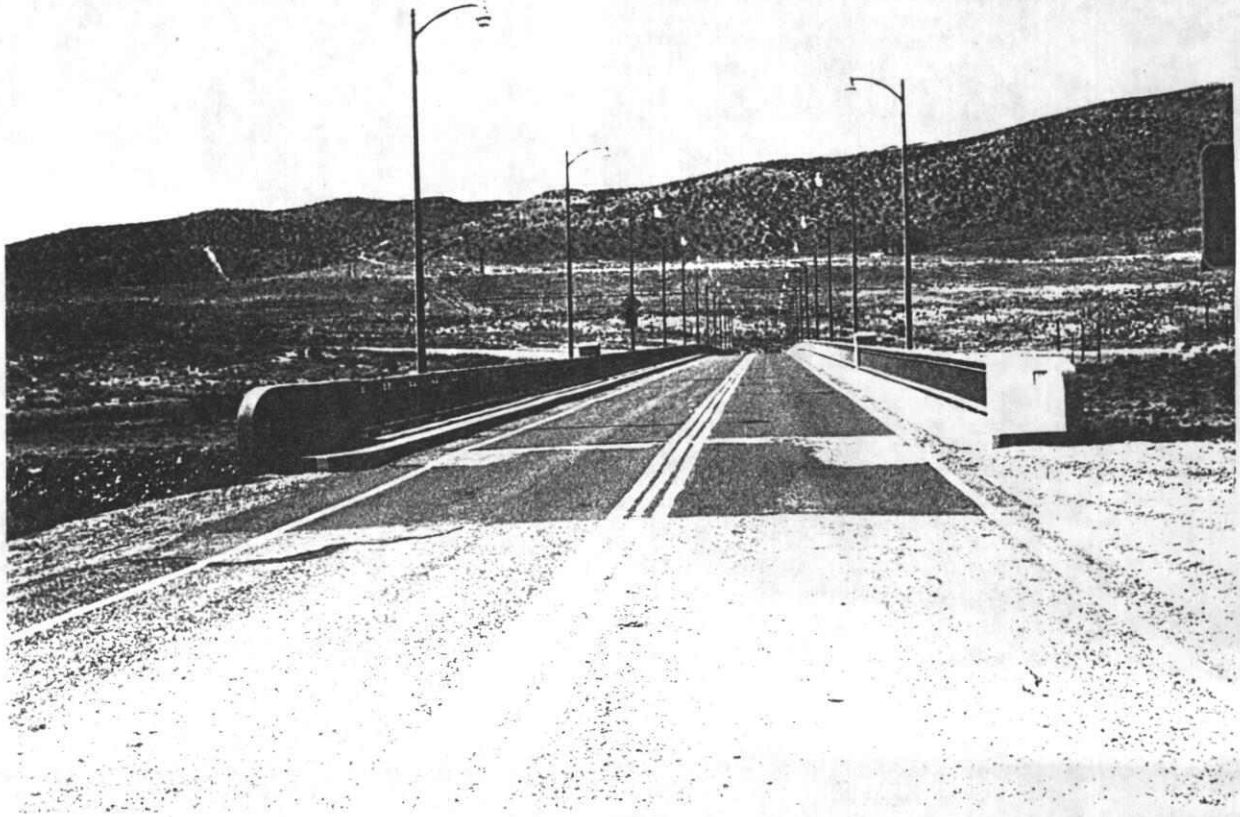
WSDOT. "Bridge Condition Card—Columbia River Bridge at Bridgeport," 4 January 1952, on file in the Bridge Preservation Office, WSDOT, Olympia, Washington.

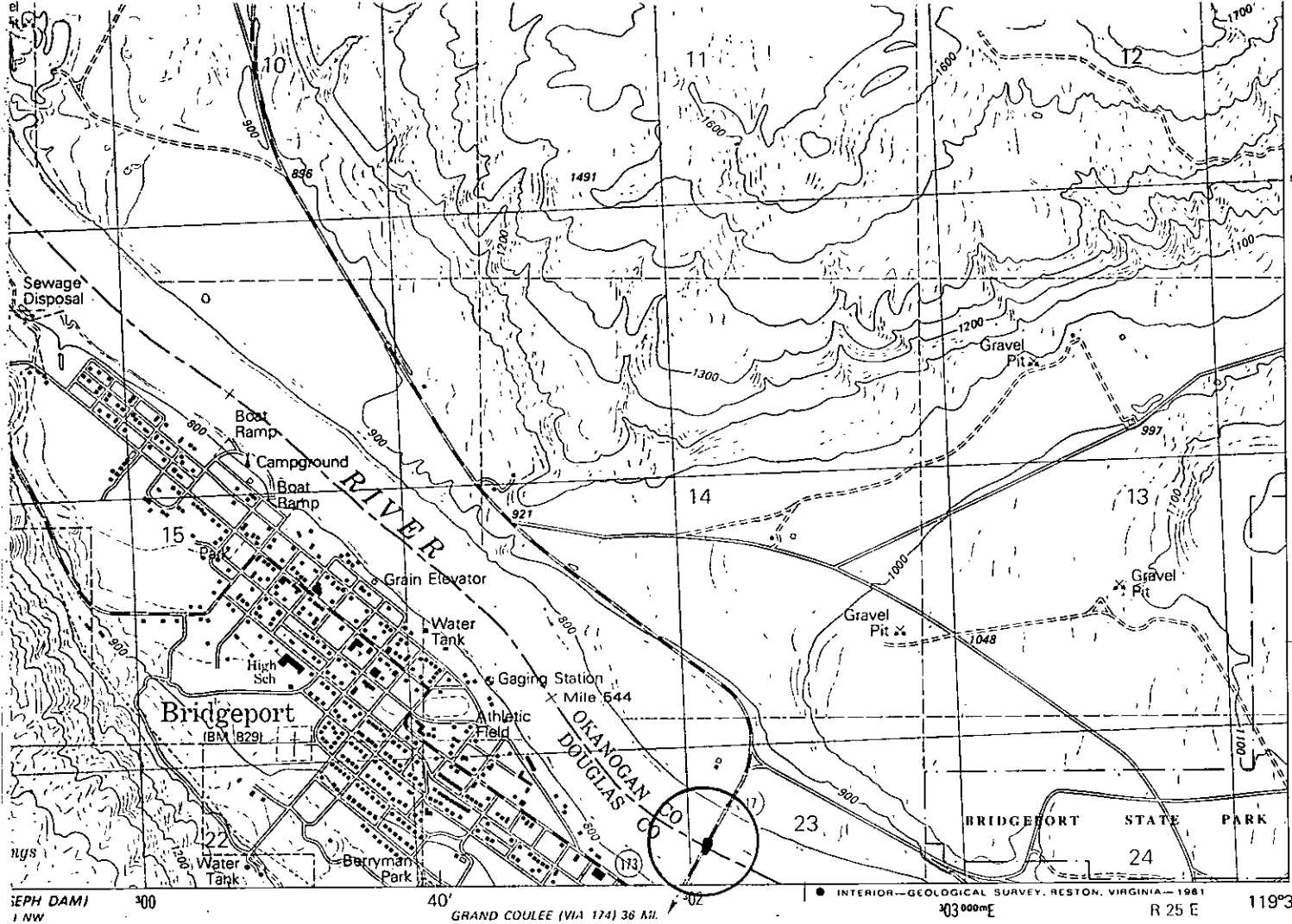
52-2

52-1




Bridgeport
State Park
RIGHT 1/4 MILE
Columbia
River





Columbia River Bridge at Bridgeport
NE 1/4, S23, T29N, R25E WM, Douglas and Okanogan Counties, Washington

UTM References

11	302060	5319630
Zone	Easting	Northing

1:24 000

0 1 MILE

000 4000 5000 6000 7000 FEET

0 1 KILOMETER

ERVAL 20 FEET
TOUR INTERVAL 10 FEET
ERTICAL DATUM OF 1929

ROAD CLASSIFICATION

Primary highway, hard surface
Secondary highway, hard surface
Light-duty road, hard or improved surface
Unimproved road
Interstate Route
U. S. Route
State Route

WASHINGTON

QUADRANGLE LOCATION

BRIDGEPORT, WASH.

SW/4 BRIDGEPORT 15' QUADRANGLE

N4800—W11937.5/7.5

1980

DMA 2080 II SW—SERIES V891

ONAL MAP ACCURACY STANDARDS--
R, COLORADO 80225, OR RESTON, VIRGINIA 22092
AND SYMBOLS IS AVAILABLE ON REQUEST

(COLEMAN HILL) 2079 I NE

Columbia River Bridge at Bridgeport
Facing east - August 1994
Photographer: Lawrence M. Jacobson

Columbia River at Bridgeport
Facing east - August 1994
Photographer: Lawrence M. Jacobson

Historic Register Report

Historic Name: Columbia River Bridge at Bridgeport
(WSDOT 17/401)
Address: State Route 17, Spanning the Columbia River
City: Bridgeport
County: Douglas

Download nomination form

Historic Use: Transportation
Style: None
Built: 1950
Architect: Seattle District, U.S. Army Corps of Engineers
Builder:

Smithsonian Number: 45DO00650
Date Listed: 5/31/1995
Listing Status: WHR/NR
Classification: STR
Resource Count: 1
Area of Significance: Engineering
Level of Significance: State

Listing Criteria: A, C, G

Statement of Significance

Photos