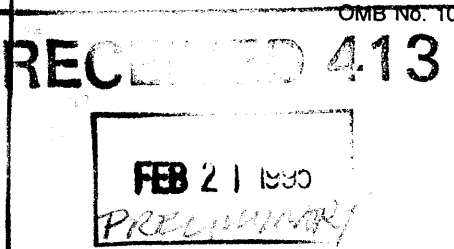
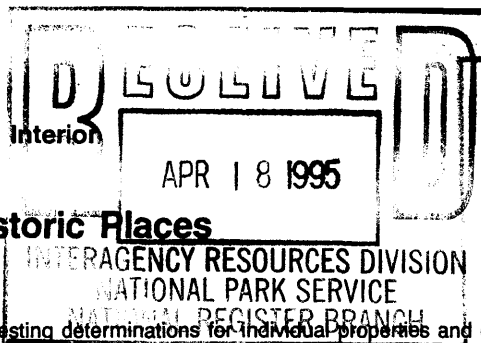


United States Department of the Interior  
National Park Service

### National Register of Historic Places Registration Form



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This form is for use in nominating or requesting determinations for individual properties and historic districts. See instructions in How to Complete the National Register of Historic Places Registration Form (National Register Bulletin 16A). Complete each item by marking 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 Patton Bridge  
other names/site number Bridge No. 3015

#### 2. Location

street & number State Route 18 and Green Valley Road, spanning the  not for publication  
Green River  
city or town Auburn  vicinity  
state Washington code WA county King code 033 zip code 98002

#### 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.)

Mary M. Sampson 2/18/95  
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): \_\_\_\_\_

\_\_\_\_\_  
Signature of the Keeper

5/24/95  
Date of Action

Patton Bridge  
Name of Property

King, 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
_____	_____	structures
_____	_____	objects
_____	_____	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 & concrete box girder  
\_\_\_\_\_  
\_\_\_\_\_

**Materials**  
(Enter categories from instructions)

foundation \_\_\_\_\_  
walls \_\_\_\_\_  
roof \_\_\_\_\_  
other steel  
concrete

**Narrative Description**

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

Patton Bridge  
Name of Property

King, 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

**Period of Significance**

1950

**Significant Dates**

1950

**Significant Person**

(Complete if Criterion B is marked above)

n/a

**Cultural Affiliation**

n/a

**Architect/Builder**

Homer M. Hadley, engineer

**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 King County Dept. of Public Works, Seattle, WA;
  - University Archaeological & Historical Ser-
  - Other
- Name of repository: vices, Eastern Washington University, Cheney, WA

Patton Bridge

King, Washington

Name of Property

County and State

10. Geographical Data

Acreeage of Property less than one acre

UTM References

(Place additional UTM references on a continuation sheet.)

UTM grid 1: Zone 110, Easting 563570, Northing 5237340

UTM grid 3: Zone, Easting, Northing

See continuation sheet

Verbal Boundary Description The property is a bridge, measuring 430 feet, spanning the Green River on the Green Valley Road and State Route 18, about 3.0 miles east of the city of Auburn, 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 Holsine

organization AHS, Eastern Washington University date 10 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

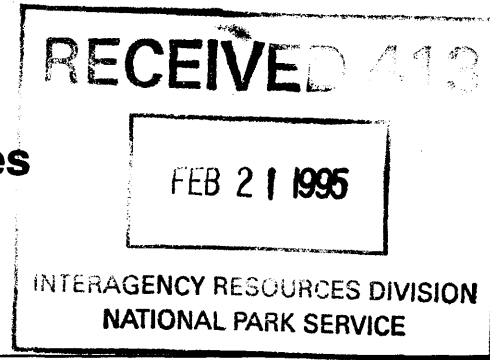
Paperwork Reduction Act Statement: This information is being collected for applications to the National Register of Historic Places to nominate properties for listing or determine eligibility for listing, to list properties, and to amend existing listings. Response to this request is required to obtain 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, 9 Page 1



### 7. Physical Description

Built in 1950, the Patton Bridge spans the Green River near the city of Auburn in King County, Washington. The structure is a three-span cantilever bridge consisting of two anchor arms, two cantilever arms and a suspended section. Design of the bridge incorporates an unusual combination of concrete and steel box girders. Homer M. Hadley, a well known consulting engineer from Washington State, designed the Patton Bridge.

The anchor arms and cantilever arms of the Patton Bridge are multiple box, two-cell reinforced concrete box girders. The suspended section consists of two spread, welded steel box girders with reinforced concrete deck. The concrete deck is fixed to the top flange plate of the girders with steel shear developers. Utilization of this deck design allows the concrete deck and steel box girders to act in composite design; i.e., the bottom flange of the steel box resists tensile forces while the concrete deck resists compressive forces.

The Patton Bridge's anchor arms are each 115 feet long, the cantilever arms are each 50 feet long, and the suspended span is 100 feet long, for a total bridge length of 430 feet. The structure's center span of 200 feet is the longest box girder span constructed in the state during the 1940s.

### 8. Statement of Significance

The Patton Bridge is eligible for inclusion in the National Register of Historic Places under Criterion C. The bridge spans the Green River near metropolitan Auburn, Washington, an area typified by high density motor vehicle traffic. The Patton Bridge is significant for its association with noted Washington State bridge engineer and designer Homer M. Hadley, and for its unique design features.

Although the bridge is located in a rural setting, characterized by small strawberry farms, truck farms and dairy operations, the bridge occupies an important place in the transportation network of nearby greater Seattle-Tacoma-Olympia metropolitan area. The combination of concrete and steel box girders employed in the bridge's design represents a distinctive variation of the box girder style of bridge architecture. The Patton Bridge was the only structure built between 1941 and 1950 which exhibits this innovative modification of the box girder design.

### 9. Major Bibliographic References

King County Department of Public Works. Patton Bridge plans, dated 29 August 1949, on file in the Department of Public Works, Seattle, Washington.

King County Department of Public Works. "Bridge Condition Card—Patton Bridge" on file in the Department of Public Works, Seattle, Washington.

Soderberg, Lisa. 1980. "Historic Bridges and Tunnels in Washington State," on file in the Washington State Office of Archaeology and Historic Preservation, Olympia, Washington.