

T23N R19E 11

CH 293

HAER INVENTORY										Historic American Engineering Record Department of the Interior, Washington, D.C.									
1 SITE ID NO										4 DANGER OF DEMOLITION (SPECIFY THREAT) <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> UNKNOWN to be replaced									
2 INDUSTRIAL CLASSIFICATION Bridges, Trestles, and Aqueducts 7 6 0 3										5 DATE 1907/00									
3 TRUSS: Steel										6 GOVT SOURCE OF THREAT OWNER ADMIN									
County Designation Number: 306										7 OWNER NAME Chelan County									
8 NAME(S) OF STRUCTURE Old #15 West Monitor Bridge 1 mile W of Monitor										9 OWNER'S ADDRESS County Engineer Chelan County Courthouse Wenatchee, Washington 98801									
10 STATE COUNTY WA 007 Chelan Monitor 0 4										11 SITE ADDRESS, STREET & CROSSING Crossing: Wenatchee River S.T.R. 11 23N 19E									
12 EXISTING SURVEYS <input type="checkbox"/> NPS <input type="checkbox"/> NHL <input type="checkbox"/> HABS <input type="checkbox"/> HAER-I <input type="checkbox"/> HAER <input type="checkbox"/> NPS <input type="checkbox"/> CL6 <input type="checkbox"/> CONF <input type="checkbox"/> STATE <input type="checkbox"/> COUNTY <input type="checkbox"/> LOCAL <input type="checkbox"/> OTHER										13 SPECIAL FEATURES (DESCRIBE BELOW) <input type="checkbox"/> INTERIOR INTACT <input type="checkbox"/> EXTERIOR INTACT <input type="checkbox"/> ENVIRONS INTACT									
14 UTM ZONE EASTING 10 69 39 70 52 63 86 0										15 QUAD NAME Cashmere, Washington									
16 CONDITION <input type="checkbox"/> EXCELLENT <input type="checkbox"/> GOOD <input type="checkbox"/> FAIR <input type="checkbox"/> DETERIORATED <input type="checkbox"/> POOR <input type="checkbox"/> EXPOSED <input type="checkbox"/> ALTERED <input type="checkbox"/> DESTROYED <input type="checkbox"/> DEMOLISHED										17 INVENTORIED BY Lisa Soderberg									
18 AFFILIATION HAER/Washington State Bridge Inventory										19 DATE October 1979									
20 DESCRIPTION AND BACKGROUND HISTORY INCLUDING CONSTRUCTION DATES, HISTORICAL DATA, PHYSICAL DIMENSIONS, MATERIALS, EXISTANT EQUIPMENT AND IMPORTANT BUILDERS OR ARTISTS ETC. In 1907, the Puget Sound Bridge and Dredging Company constructed a two-span steel pinconnected Pratt truss over the Wenatchee River. This 320 foot structure consists of two 140 foot steel trusses, and two 20 foot timber trestle approach spans. Each truss is composed of seven 20 foot panels, and rests on two pairs of riveted steel cylinder piers which are filled with concrete, and are braced by two eyebars with turnbuckles. During the early 20th century, these riveted steel piers were a common, economical means of supporting a bridge. The standardization and widespread use of these concrete-filled cylinders is reflected in J.A.L. Waddell's book, <u>Bridge Engineering</u> where there is a diagram and description of piers identical to the West Monitor Bridge piers. The bridge supports a timber deck which is 16 feet wide, curb to curb. Of the ten existing pinconnected Pratt trusses (with parallel chords) built before 1910 within the State, the <u>West Monitor Bridge and the F Street Bridge in Palouse appear to be the oldest, and least altered examples of</u> (CONT OVER)																			
21 ORIGINAL USE Bridge/vehicular										22 PRESENT USE Bridge/vehicular									
23 REFERENCES, HISTORICAL REFERENCES, PERSONAL CONTACTS AND OTHER Chelan County Bridge Files. J.A.L. Waddell, <u>Bridge Engineering</u> , 2 Vols., (New York, 1916), 1:1027.																			
24 URBAN AREA 5000' OR MORE <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO										25 HCRS REGION N W									
26 PUBLIC ACCESSIBILITY <input type="checkbox"/> YES LIMITED <input checked="" type="checkbox"/> YES UNLIMITED <input type="checkbox"/> NO <input type="checkbox"/> UNKNOWN										27 EDITOR INDEXER									
28 LOCATED IN AN HISTORIC DISTRICT <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO										29 DISTRICT ID NO									

(CONT OVER)

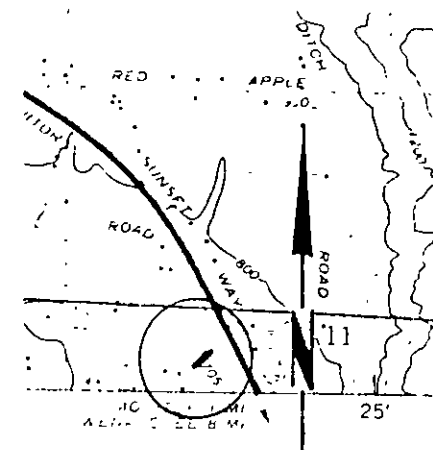


FIG. 13a. Details of Open Bracing for Steel Cylinder Piers.

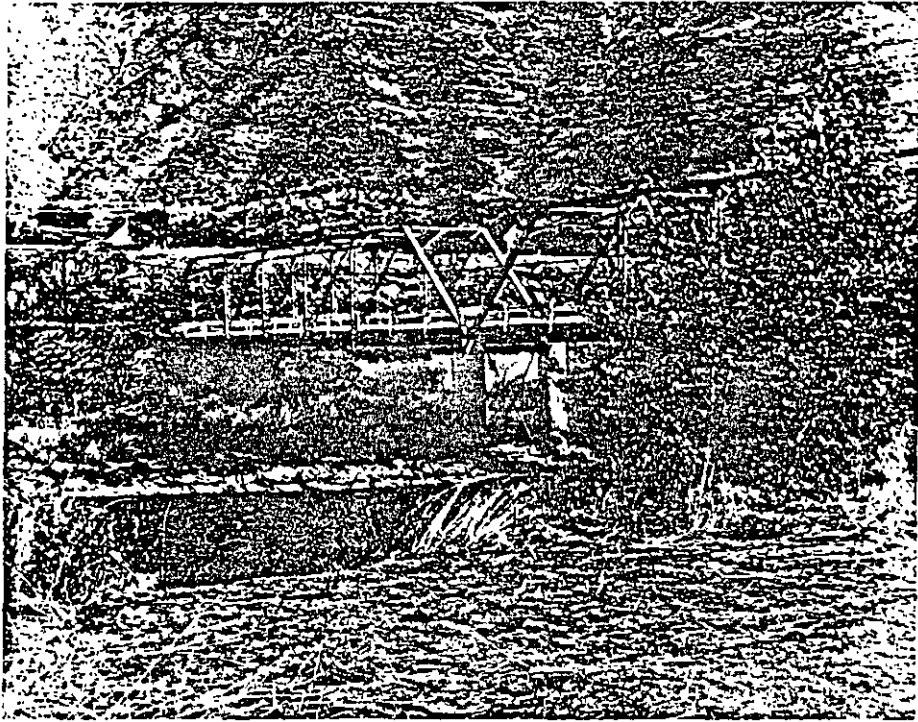
from J.A.L. Waddell, Bridge Engineering, 2 Vols., (New York, 1916), 1:1027.

DESCRIPTION (CONTINUED)

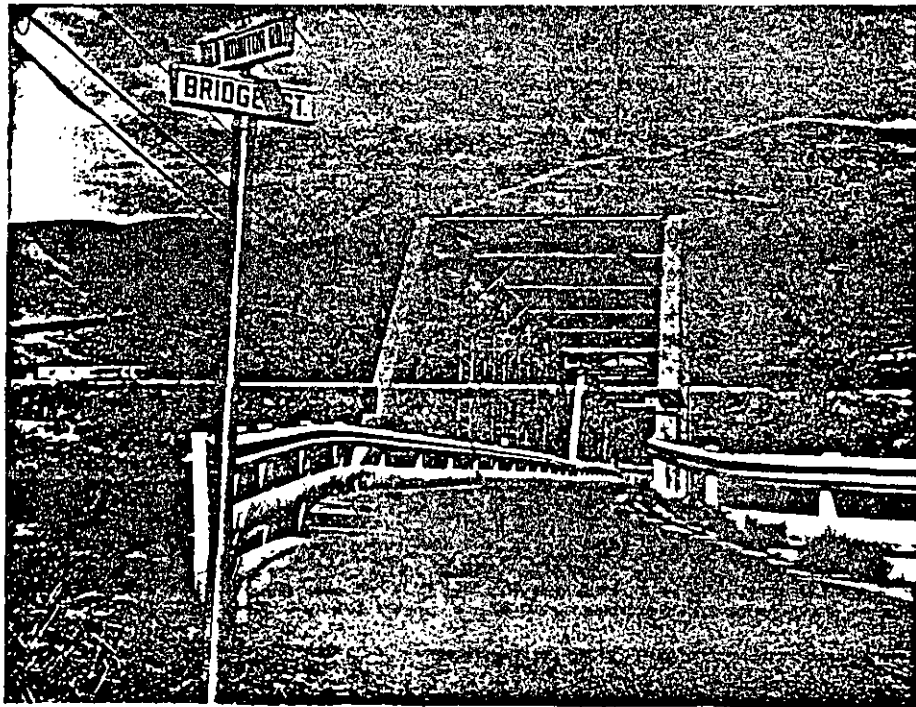
this common truss type which once predominated the landscape. The significance of the West Monitor Bridge as representative of a common bridge type is enhanced by the fact that the original riveted steel cylinder piers supporting the truss remain intact.

REFERENCES (CONTINUED)

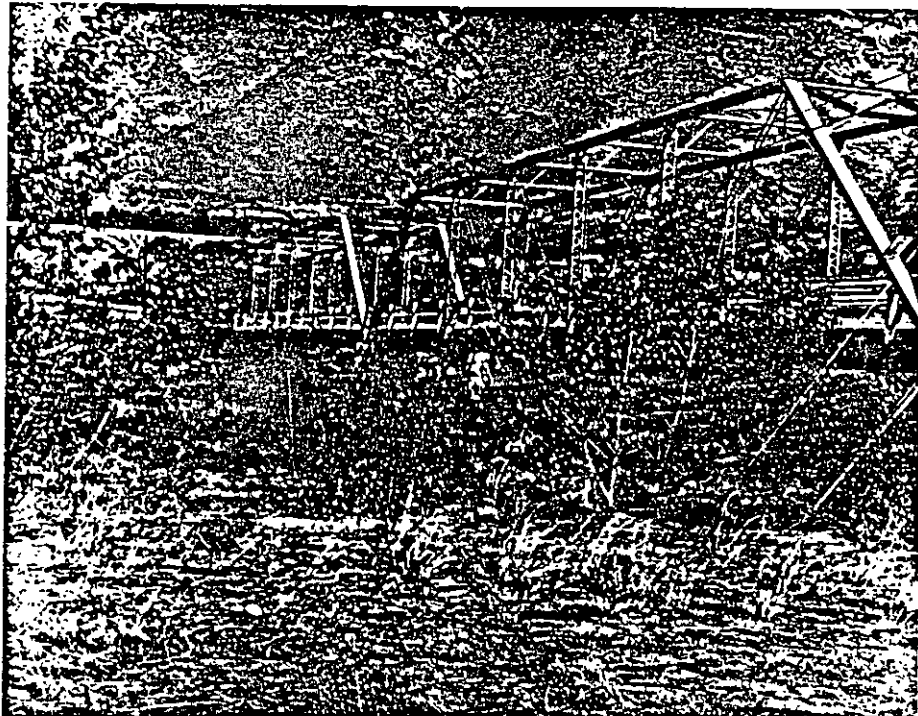
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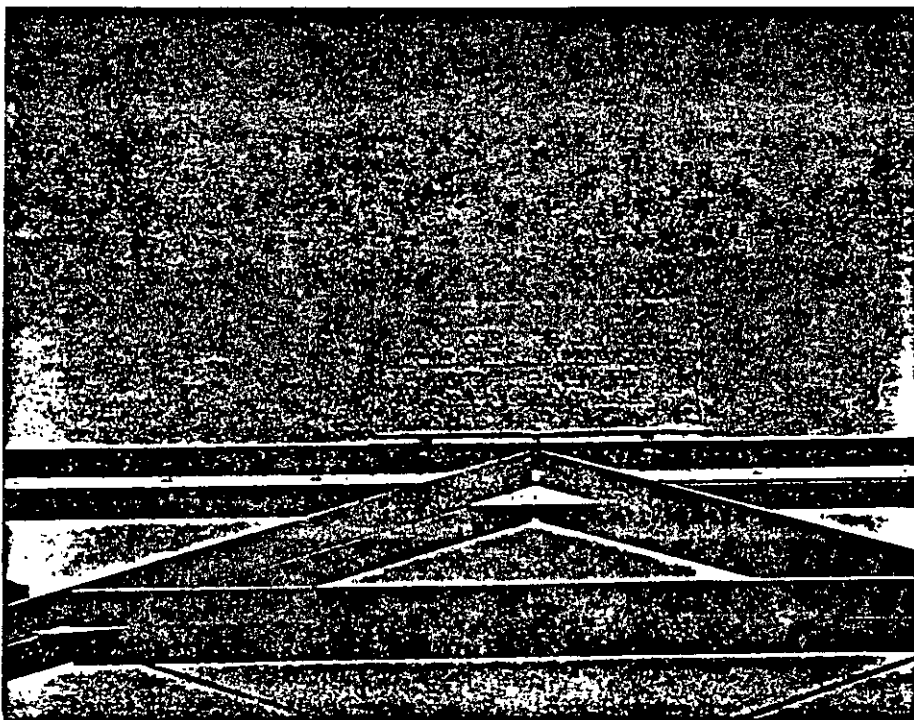
West Monitor Bridge



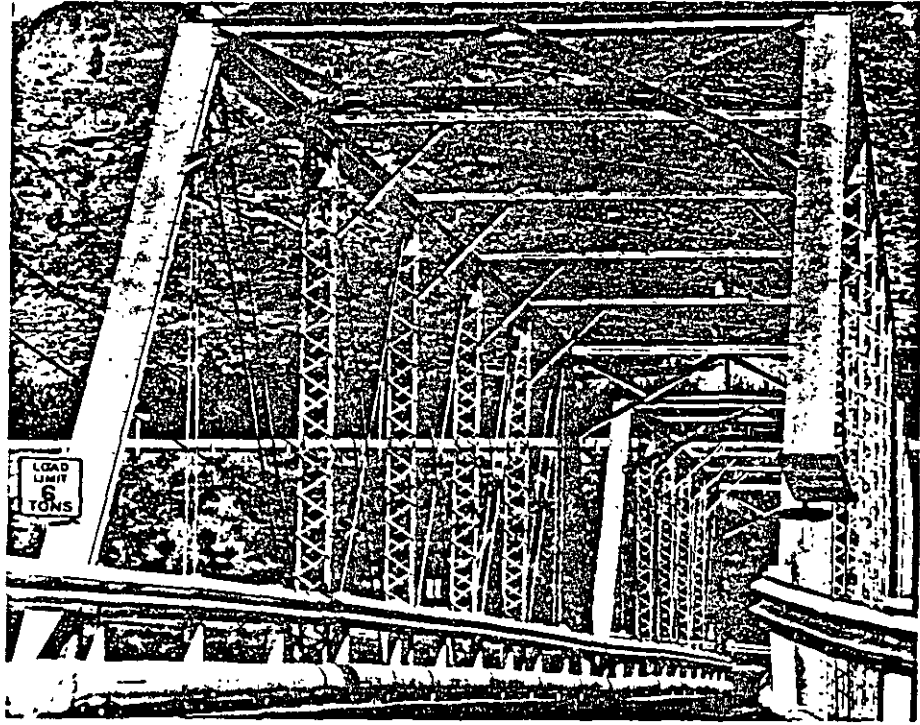
West Monitor Bridge



West Monitor Bridge



West Monitor Bridge

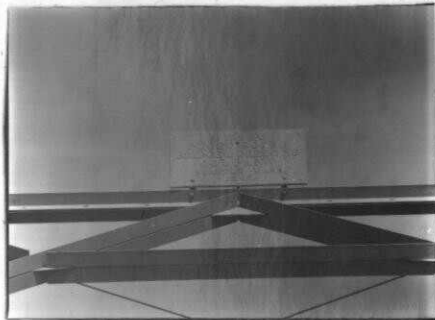


West Monitor Bridge

WEST MONITOR BRIDGE

CH0293

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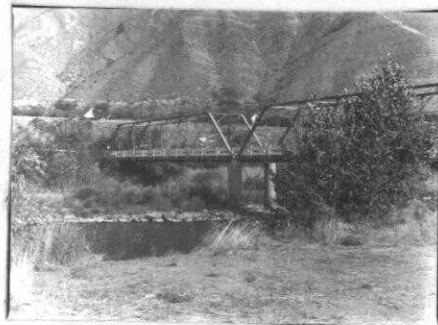
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Site# C# 00293
S 11 T 23 M 19E
ing Record 1464

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

34

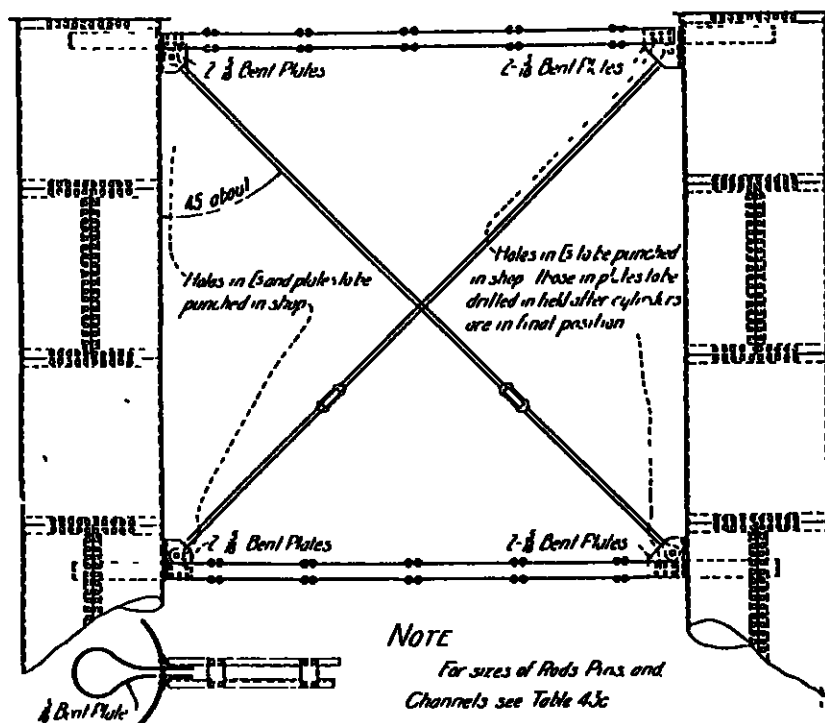
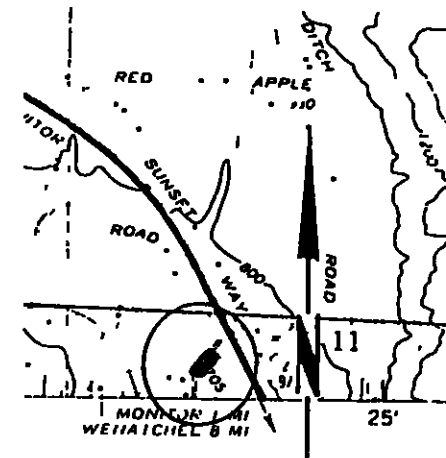


FIG. 134 Details of Open Bracing for Steel Cylinder Piers

from J.A.L. Waddell, Bridge Engineering, 2 Vols., (New York, 1916), 1:1027.



DESCRIPTION (CONTINUED)

this common truss type which once predominated the landscape. The significance of the West Monitor Bridge as representative of a common bridge type is enhanced by the fact that the original riveted steel cylinder piers supporting the truss remain intact.

REFERENCES (CONTINUED)

ABSTRACT																			
HAFT NO	LC	TECH REPORT	HIST REPORT	CONTEMP PHOTO	HIST PHOTO	CONTEMP DRWG	HIST DRWG	COLOR PLATE	PHOTOGRAM	SW	FILM								

CH 00 293

Project: CHELAN COUNTY

WEST MONITOR BRIDGE

DETERMINATION OF ELIGIBILITY

1464

NAME

Historic _____

Common WEST MONITOR BRIDGE #306Site Number County Number 306; SWIBS CHE 09420 00017 00

LOCATION

1.2 miles north of Monitor on the Old Monitor Rd. crossing the
Wenatchee River.

CLASSIFICATION

CATEGORY	OWNERSHIP	STATUS	PRESENT USE	
<input type="checkbox"/> DISTRICT	<input checked="" type="checkbox"/> PUBLIC	<input checked="" type="checkbox"/> OCCUPIED	<input type="checkbox"/> AGRICULTURE	<input type="checkbox"/> MUSEUM
<input type="checkbox"/> BUILDING(S)	<input type="checkbox"/> PRIVATE	<input type="checkbox"/> UNOCCUPIED	<input type="checkbox"/> COMMERCIAL	<input type="checkbox"/> PARK
<input checked="" type="checkbox"/> STRUCTURE	<input type="checkbox"/> BOTH	<input type="checkbox"/> WORK IN PROGRESS	<input type="checkbox"/> EDUCATIONAL	<input type="checkbox"/> PRIVATE RESIDENCE
<input type="checkbox"/> SITE	<input type="checkbox"/> PUBLIC ACQUISITION	<input type="checkbox"/> ACCESSIBLE	<input type="checkbox"/> ENTERTAINMENT	<input type="checkbox"/> RELIGIOUS
<input type="checkbox"/> OBJECT	<input type="checkbox"/> IN PROCESS	<input type="checkbox"/> YES RESTRICTED	<input type="checkbox"/> GOVERNMENT	<input type="checkbox"/> SCIENTIFIC
	<input type="checkbox"/> BEING CONSIDERED	<input checked="" type="checkbox"/> YES UNRESTRICTED	<input type="checkbox"/> INDUSTRIAL	<input checked="" type="checkbox"/> TRANSPORTATION
		<input type="checkbox"/> NO	<input type="checkbox"/> MILITARY	<input type="checkbox"/> OTHER

OWNER

CHELAN COUNTY, WASHINGTON

REPRESENTATION IN EXISTING SURVEYS

Federal ☐ State ☐ County ☐ Local ☐

DESCRIPTION

CONDITION		CHECK ONE	CHECK ONE
<input type="checkbox"/> EXCELLENT	<input type="checkbox"/> DETERIORATED	<input type="checkbox"/> UNALTERED	<input type="checkbox"/> ORIGINAL SITE
<input type="checkbox"/> GOOD	<input type="checkbox"/> RUINS	<input type="checkbox"/> ALTERED	<input type="checkbox"/> MOVED DATE _____
<input type="checkbox"/> FAIR	<input type="checkbox"/> UNEXPOSED		

DESCRIBE THE PRESENT AND ORIGINAL (IF KNOWN) PHYSICAL APPEARANCE

In 1907, the Puget Sound Bridge and Dredging Company constructed a two-span steel pinconnected Pratt truss over the Wenatchee River. This 320 foot structure consists of two 140 foot steel trusses, and two 20 foot timber trestle approach spans. Each truss is composed of seven 20 foot panels, and rests on two pairs of riveted steel cylinder piers which are filled with concrete, and are braced by two eyebars with turnbuckles. During the early 20th century, these riveted steel piers were a common, economical means of supporting a bridge. The standardization and widespread use of these concrete-filled cylinders is reflected in J.A.L. Waddell's book, Bridge Engineering, where there is a diagram and description of piers identical to the West Monitor Bridge piers. The bridge supports a timber deck which is 16 feet wide, curb to curb.

SIGNIFICANCE

PERIOD	AREAS OF SIGNIFICANCE -- CHECK AND JUSTIFY BELOW			
<input type="checkbox"/> PREHISTORIC	<input type="checkbox"/> ARCHEOLOGY-PREHISTORIC	<input type="checkbox"/> COMMUNITY PLANNING	<input type="checkbox"/> LANDSCAPE ARCHITECTURE	<input type="checkbox"/> RELIGION
<input type="checkbox"/> 1400-1499	<input type="checkbox"/> ARCHEOLOGY-HISTORIC	<input type="checkbox"/> CONSERVATION	<input type="checkbox"/> LAW	<input type="checkbox"/> SCIENCE
<input type="checkbox"/> 1500-1599	<input type="checkbox"/> AGRICULTURE	<input type="checkbox"/> ECONOMICS	<input type="checkbox"/> LITERATURE	<input type="checkbox"/> SCULPTURE
<input type="checkbox"/> 1600-1699	<input type="checkbox"/> ARCHITECTURE	<input type="checkbox"/> EDUCATION	<input type="checkbox"/> MILITARY	<input type="checkbox"/> SOCIAL/HUMANITARIAN
<input type="checkbox"/> 1700-1799	<input type="checkbox"/> ART	<input type="checkbox"/> ENGINEERING	<input type="checkbox"/> MUSIC	<input type="checkbox"/> THEATER
<input type="checkbox"/> 1800-1899	<input type="checkbox"/> COMMERCE	<input type="checkbox"/> EXPLORATION/SETTLEMENT	<input type="checkbox"/> PHILOSOPHY	<input type="checkbox"/> TRANSPORTATION
<input type="checkbox"/> 1900-	<input type="checkbox"/> COMMUNICATIONS	<input type="checkbox"/> INDUSTRY	<input type="checkbox"/> POLITICS/GOVERNMENT	<input type="checkbox"/> OTHER (SPECIFY)
		<input type="checkbox"/> INVENTION		

SPECIFIC DATES

1907

BUILDER/ARCHITECT

STATEMENT OF SIGNIFICANCE

Of the ten existing pinconnected Pratt trusses (with parallel chords) built before 1910 within the state, the West Monitor Bridge and the F Street Bridge in Palouse appear to be the oldest, and least altered examples of this common truss type which once predominated the landscape. The significance of the West Monitor Bridge as representative of a common bridge type is enhanced by the fact that the original riveted steel cylinder piers supporting the truss remain intact.

FORM PREPARED BY

R.B.Davidson
Planning & Procedures Engineer
State Aid Organization
Washington State Department of Transportation
Highway Administration Building
Olympia, Washington 98504 Phone: 753-7531

APPENDIX

- A. Bibliography
- B. Geographical Data
- C. Photographs

STATE HISTORIC PRESERVATION OFFICER OPINION

I understand that the Washington State Department of Transportation is requesting the opinion of the State Historic Preservation Officer concerning the eligibility of the West Monitor Bridge for inclusion in the National Register and that my submitted opinion may be submitted to the Secretary of the Interior with a formal request for a determination of eligibility on this property. This statement confirms that I have been consulted as part of the determination of eligibility process.

- ☒ (1) In my opinion, the property is eligible for inclusion in the National Register.
- ☐ (2) In my opinion, the property is not eligible for inclusion in the National Register.
- ☐ (3) I have no opinion and prefer to defer to the opinion of the Secretary of the Interior.

Comments:

Signed: Jeanne M. Welch
Jeanne M. Welch
Deputy State Historic Preservation Officer

Date: 8-25-80



Historic Property Inventory Report

Location

Field Site No.

DAHP No. CH00293

Historic Name: Old #15, West Monitor Bridge

Common Name:

Property Address: vicinity of Monitor, WA

Comments: 1 Mile NW of Monitor

Tax No./Parcel No.

Plat/Block/Lot

Acreage

Supplemental Map(s)

Township/Range/EW	Section	1/4 Sec	1/4 1/4 Sec	County	Quadrangle
T23R19E	11			Chelan	

Coordinate Reference

Easting: 1659090

Northing: 789886

Projection: Washington State Plane South

Datum: HARN (feet)



Historic Property Inventory Report

Identification

Survey Name: LEGACY DATA Date Recorded: 08/25/1980

Field Recorder:

Owner's Name:

Owner Address:

City: State: Zip:

Classification:

Resource Status: Comments:

State Register

National Register

Within a District?

Contributing?

National Register:

Local District:

National Register District/Thematic Nomination Name:

Eligibility Status: Determined Eligible - SHPO

Determination Date: 5/8/2008

Determination Comments: Reviewed by Jeanne Welch

Description

Historic Use: Current Use:

Plan: Stories: Structural System:

Changes to Plan: Changes to Interior:

Changes to Original Cladding: Changes to Windows:

Changes to Other:

Other (specify):

Style: Cladding: Roof Type: Roof Material:

Foundation: Form/Type:

Narrative

Study Unit	Other
Date of Construction:	Builder:
	Engineer:
	Architect:
Property appears to meet criteria for the National Register of Historic Places:	
Property is located in a potential historic district (National and/or local):	



Historic Property Inventory Report

Property potentially contributes to a historic district (National and/or local):

Statement of
Significance:

Description of
Physical
Appearance:

Major
Bibliographic
References:



Historic Property Inventory Report

Photos



Historic Property Inventory Report

Identification

Survey Name: LEGACY DATA Date Recorded: 01/01/1900

Field Recorder:

Owner's Name:

Owner Address:

City: State: Zip:

Classification:

Resource Status: Comments:

Within a District?

Contributing?

National Register:

Local District:

National Register District/Thematic Nomination Name:

Eligibility Status: Not Determined - SHPO

Determination Date: 1/1/0001

Determination Comments:

Description

Historic Use: Current Use:

Plan: Stories: Structural System:

Changes to Plan: Changes to Interior:

Changes to Original Cladding: Changes to Windows:

Changes to Other:

Other (specify):

Style: Cladding: Roof Type: Roof Material:

Foundation: Form/Type:

Narrative

Study Unit	Other
Date of Construction:	Builder:
	Engineer:
	Architect:

Property appears to meet criteria for the National Register of Historic Places:

Property is located in a potential historic district (National and/or local):

Property potentially contributes to a historic district (National and/or local):

Statement of Significance:



Historic Property Inventory Report

Description of

Physical

Appearance:

Major

Bibliographic

References:



Historic Property Inventory Report

Photos

Historic Register Report

Historic Name: West Monitor Bridge

Address: Spans Wenatchee River

City: Monitor

County: Chelan

[Download nomination form](#)

Historic Use: Transportation

Style: None

Built: 1907

Architect:

Builder:

Smithsonian Number: 45CH00293

Date Listed: 8/3/1982

Listing Status: WHR/NR

Classification: STR

Resource Count: 1

Area of Significance: Engineering

Level of Significance: Local

Listing Criteria: A, C

Statement of Significance

Photos

