

United States Department of the Interior
National Park Service

National Register of Historic Places Registration Form

This form is for use in nominating or requesting determinations for individual properties and districts. See instructions in National Register Bulletin, *How to Complete the National Register of Historic Places Registration Form*. If any 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 certification comments, entries, and narrative items on continuation sheets if needed (NPS Form 10-900a).

1. Name of Property

historic name Healdsburg Memorial Bridge

other names/site number Redwood Highway Bridge, Russian River Bridge #20C-65

2. Location

street & number Healdsburg Avenue, junction of Front Street

N/A

not for publication

city or town Healdsburg

N/A

vicinity

state CA

code CA

county Sonoma

code 097

zip code 95448

3. State/Federal Agency Certification

As the designated authority under the National Historic Preservation Act, as amended,

I hereby certify that this X 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 X meets does not meet the National Register Criteria. I recommend that this property be considered significant at the following level(s) of significance:

national statewide X local

Signature of certifying official/Title

Date

California State Historic Preservation Officer

State or Federal agency/bureau or Tribal Government

In my opinion, the property meets does not meet the National Register criteria.

Signature of commenting official

Date

Title State or Federal agency/bureau or Tribal Government

4. National Park Service Certification

I hereby certify that this property is:

X entered in the National Register

determined eligible for the National Register

determined not eligible for the National Register

removed from the National Register

other (explain:)

Signature of the Keeper

Date of Action

Healdsburg Memorial Bridge
Name of Property

Sonoma County, California
County and State

5. Classification

Ownership of Property

(Check as many boxes as apply.)

<input type="checkbox"/>	private
<input checked="" type="checkbox"/>	public - Local
<input type="checkbox"/>	public - State
<input type="checkbox"/>	public - Federal

Category of Property

(Check only one box.)

<input type="checkbox"/>	building(s)
<input type="checkbox"/>	district
<input type="checkbox"/>	site
<input checked="" type="checkbox"/>	structure
<input type="checkbox"/>	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)

MPD -- Historic Highway Bridges of California

Number of contributing resources previously listed in the National Register

N/A

6. Function or Use

Historic Functions

(Enter categories from instructions.)

Transportation

Current Functions

(Enter categories from instructions.)

Bridge

7. Description

Architectural Classification

(Enter categories from instructions.)

Other: Pennsylvania through-truss

Materials

(Enter categories from instructions.)

foundation: Concrete

walls: Steel

roof: Steel

other:

Healdsburg Memorial Bridge
Name of Property

Sonoma County, California
County and State

Narrative Description

(Describe the historic and current physical appearance of the property. Explain contributing and noncontributing resources if necessary. Begin with a **summary paragraph** that briefly describes the general characteristics of the property, such as its location, setting, size, and significant features.)

Summary Paragraph

Healdsburg Memorial Bridge, built in 1921 across the Russian River, is rare among American steel truss bridges. Its intricate Pennsylvania through-truss design, using extra diagonal bracings to relieve stress, is a throwback to an evolutionary era of steel truss bridges when engineers needed stronger structures to accommodate wide crossings and heavy loads at affordable cost. With 20 pin-connected panels spread across two spans, the Healdsburg Memorial Bridge is a striking example of the type, now fast disappearing from the American landscape.

Narrative Description

Healdsburg Memorial Bridge, 438 feet long, carries mostly local traffic now but once was a landmark on the historic Redwood Highway, linking San Francisco with Oregon. The two-lane bridge handles 7,400 vehicles a day and accommodates pedestrians and bicyclists on outer pathways.

Once believed to have numbered in the hundreds, bridges of the Pennsylvania through-truss design are down to a relative handful. Healdsburg Memorial Bridge may be one of only 13 of its type still open to vehicles in the United States and just two in California, according to one authority, Bridgehunter.com, a Web site that inventories more than 30,000 historic American bridges. According to the California Department of Transportation, there are eight Pennsylvania truss roadway bridges remaining in the state.

In the latter part of the 19th Century, truss bridges were well established on rail lines and roads. But as the weight of trains grew, railroads needed crossings to withstand heavier loads. Thus came the Pennsylvania truss type, so named because of its origins in the design laboratories of the Pennsylvania Railroad. The design sprang from existing Pratt and Parker truss types, which placed full-length diagonal members in panels for the first time, and added bracing to the diagonal pieces.

The Pennsylvania truss introduced half-length struts for the bottom parts of panels or half-length ties for upper portions, and sometimes both. Both spans of the Healdsburg Memorial Bridge contain two stress-relieving ties, each positioned between full-length diagonal members on opposite sides of the center panels and the bridge's polygonal top chord. Each tie, as well as other diagonal members, is attached with pins, instead of rivets, to enable "give" as the bridge flexes and moves. The bridge gets much of its architectural flair from the sloping top chord, common to Pennsylvania and Parker truss designs. The varied height helps the bridge resist bending as weight builds near the center.

The Pennsylvania type, like other steel truss bridges, faded in use after 1930. In some design circles, especially among a group of urbanists of the time, truss types were seen as gaudy, an irony given the cookie-cutter blandness of many concrete crossings that took the place of truss bridges.

Memorial Bridge is largely unmodified since its construction. Decorative lights were removed in the 1950s, while roadside curbs and outer chain-link fences have been added for safety.

Healdsburg Memorial Bridge
Name of Property

Sonoma County, California
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 old or achieving significance within the past 50 years.

Areas of Significance

(Enter categories from instructions.)

Architecture

Transportation

Period of Significance

Architecture--1921

Transportation--1921-1960

Significant Dates

Significant Person

(Complete only if Criterion B is marked above.)

Cultural Affiliation

Architect/Builder

J.C. Lewis, architect

American Bridge Co., builder

Period of Significance (justification)

The construction of Healdsburg Memorial Bridge in 1921 characterized an era beginning in the 1870s and ending in the 1930s in which steel-truss bridges morphed as the need for heavier and longer spans grew. Its construction also helped open automobile travel in Northern California and aided development of recreation in the Russian River area.

Criteria Considerations (explanation, if necessary)

Healdsburg Memorial Bridge
Name of Property

Sonoma County, California
County and State

Statement of Significance Summary Paragraph (Provide a summary paragraph that includes level of significance and applicable criteria.)

With its sturdy, complex look, Healdsburg Memorial Bridge embodies an adventuresome era in bridge building and stands as a classic example of a style of construction that met the challenges of the nation's growing infrastructure. The bridge is also historically significant for its role in the development of the road system of Northern California and its place in the recreational appeal of the Russian River region.

Narrative Statement of Significance (Provide at least one paragraph for each area of significance.)

Healdsburg Memorial Bridge is more than a vehicle crossing of rare stature. It is integral to the town of Healdsburg, located in the center of Sonoma County wine country, and for decades supported the recreational pleasures of the region.

Memorial Bridge, designed locally and built under the direction of the American Bridge Co., was the first steel structure over the Russian River, which is popular among bathers, kayakers and anglers for steelhead trout. The bridge stands at a wide crossing established in the 1850s by early Sonoma County settlers who forded the river at a low point on the south bank.

In addition to holding up under 90 years of traffic, including heavy timber trucks, the bridge has survived at least five major floods that brought water up to its deck. A 2008 report by the California Department of Transportation said the bridge, resting in mid-river on a single concrete pier, still met all structural requirements.

The bridge helped deliver droves of tourists to Healdsburg resorts that flourished for decades and became a link to a vacation paradise that stretched from the San Francisco area all the way to the Oregon border on the Redwood Highway.

"Along the Redwood Highway, there lies within easy access a most marvelous paradise wonderland of forest, river, mountain, lake and marine scenery," the Los Angeles Times wrote in 1928. "For either a quiet, restful vacation, or an active one, or for a most unusually interesting tour, you will find the Redwood Highway Empire the 'land where dreams come true.'"

The bridge itself became a focal point of summer fun. The community each year built a temporary dam just below the bridge to create a small lake for bathing and for events ranging from Amateur Athletic Union-sanctioned swimming meets and wine barrel races to holiday parades of festively decorated watercraft. Scores of spectators typically gathered on Memorial Bridge to watch the festivities.

The Healdsburg region is still a major tourist destination, although now due largely to the growth of the wine industry and the attraction of Michelin-starred restaurants. And while the bridge has been supplanted by nearby U.S. 101 as the main approach for tourist traffic, it remains Healdsburg's abiding structural symbol. Memorial Bridge is clearly visible from Highway 101 as visitors approach, a greeting from the community's past.

Memorial Bridge, along with 71 other California truss bridges dating back to the 1850s, was declared eligible in 1985 for listing in the National Register of Historic Places by the Keeper of the Register. The designation was ratified in 2004 under a Multiple Property Documentation form approved by the Keeper of the National Register.

The bridge meets the registration requirements of the Historic Bridges in California Multiple Property Submission because it illustrates the special skills of California bridge designers and builders in adapting steel-truss spans to differing road-construction challenges. In the case of Healdsburg Memorial Bridge, the Pennsylvania truss style represents a design that filled a particular need, beginning in the 19th Century, for bridges that could span broad crossings and stand up under strong loads. Memorial Bridge stands among the last of its kind still in vehicle use.

The bridge is thus worthy of listing under Criterion C, as a distinctive example of type, period and method of construction, with a period of significance of 1921. It is also deserving of listing under Criterion A, as an important element in the growth of the Northern California highway system and its contribution to the development of Healdsburg and the surrounding Russian River area as a tourist destination, with a period of significance from 1921 to 1960.

Healdsburg Memorial Bridge
Name of Property

Sonoma County, California
County and State

Developmental history/additional historic context information (if appropriate)

9. Major Bibliographical References

Bibliography (Cite the books, articles, and other sources used in preparing this form.)

Bentley, Wilder. *Antique and Unusual Bridges of the Redwood Empire*. Self-published. 1999.
California Department of Transportation. *Historic Highway Bridges of California*. CDOT. 1990.
Comp, T. Allen and Jackson, Donald C. *Bridge Truss Types*. American Association for State and Local History. 1977.
Finley, Ernest L. *History of Sonoma County*. Santa Rosa Press Democrat Publishing Co. 1937.
"Healdsburg Enterprise." June 11, 1921; June 19, 1921; Dec. 22, 1921; Aug. 12, 1965; Oct. 8, 1993.
Jackson, Donald C. *Great American Bridges and Dams*. John Wiley & Sons. 1988.
Ketchum, Milo S. *The Design of Highway Bridges*. Engineering News Publishing Co., 1908.
"North Bay Business Journal." January, 2008.
"Los Angeles Times." June 27, 1928.
"Russian River Recorder." Articles on Healdsburg history. 2004.
County of Sonoma Transportation Department. "The Bridges of Sonoma County." 2009.
State of California. Historic Resources Inventory. "Healdsburg Memorial Bridge." 1985.

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 # _____
☐ recorded by Historic American Landscape Survey # _____

Primary location of additional data:

☒ State Historic Preservation Office
☐ Other State agency
☐ Federal agency
☐ Local government
☐ University
☐ Other

Name of repository: Calif. Historical Resources Commission

Historic Resources Survey Number (if assigned): 5448-0144

10. Geographical Data

Acreage of Property 1

(Do not include previously listed resource acreage.)

UTM References

(Place additional UTM references on a continuation sheet.)

1 10 512225 4272640
Zone Easting Northing

2 10 512300 4272660
Zone Easting Northing

3 _____
Zone Easting Northing

4 _____
Zone Easting Northing

Healdsburg Memorial Bridge
Name of Property

Sonoma County, California
County and State

Verbal Boundary Description (Describe the boundaries of the property.)

The property is located within the city limits of Healdsburg. It carries Healdsburg Avenue over the Russian River and is bordered on the north side by Front Street and on the south side by Healdsburg Memorial Beach. The bridge is located at latitude 38 36 14 N and longitude 122 51 36 W

Boundary Justification (Explain why the boundaries were selected.)

N/A

11. Form Prepared By

name/title David Dietz

organization Friends of Healdsburg Memorial Bridge

date May 22, 2010

street & number P.O. Box 1328

telephone 707-433-6240

city or town Healdsburg

state CA

zip code 95448

e-mail Davidd4331@aol.com

Additional Documentation

Submit the following items with the completed form:

- **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. Key all photographs to this map.

- **Continuation Sheets**

- **Additional items:** (Check with the SHPO or FPO for any additional items.)

Photographs:

Submit clear and descriptive photographs. The size of each image must be 1600x1200 pixels at 300 ppi (pixels per inch) or larger. Key all photographs to the sketch map.

Name of Property:

City or Vicinity:

County:

State: CA

Photographer:

Date Photographed:

Description of Photograph(s) and number:

Healdsburg Memorial Bridge
Name of Property

Sonoma County, California
County and State

Property Owner:

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

name City of Healdsburg
street & number 401 Grove Street telephone 707-431-3317
city or town Healdsburg state CA zip code 95448

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. 460 et seq.).

Estimated Burden Statement: Public reporting burden for this form is estimated to average 18 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 Office of Planning and Performance Management, U.S. Dept. of the Interior, 1849 C. Street, NW, Washington, DC.

United States Department of the Interior
National Park Service

National Register of Historic Places
Continuation Sheet--Additional Document

Healdsburg Memorial Bridge

Name of Property

Sonoma County, California

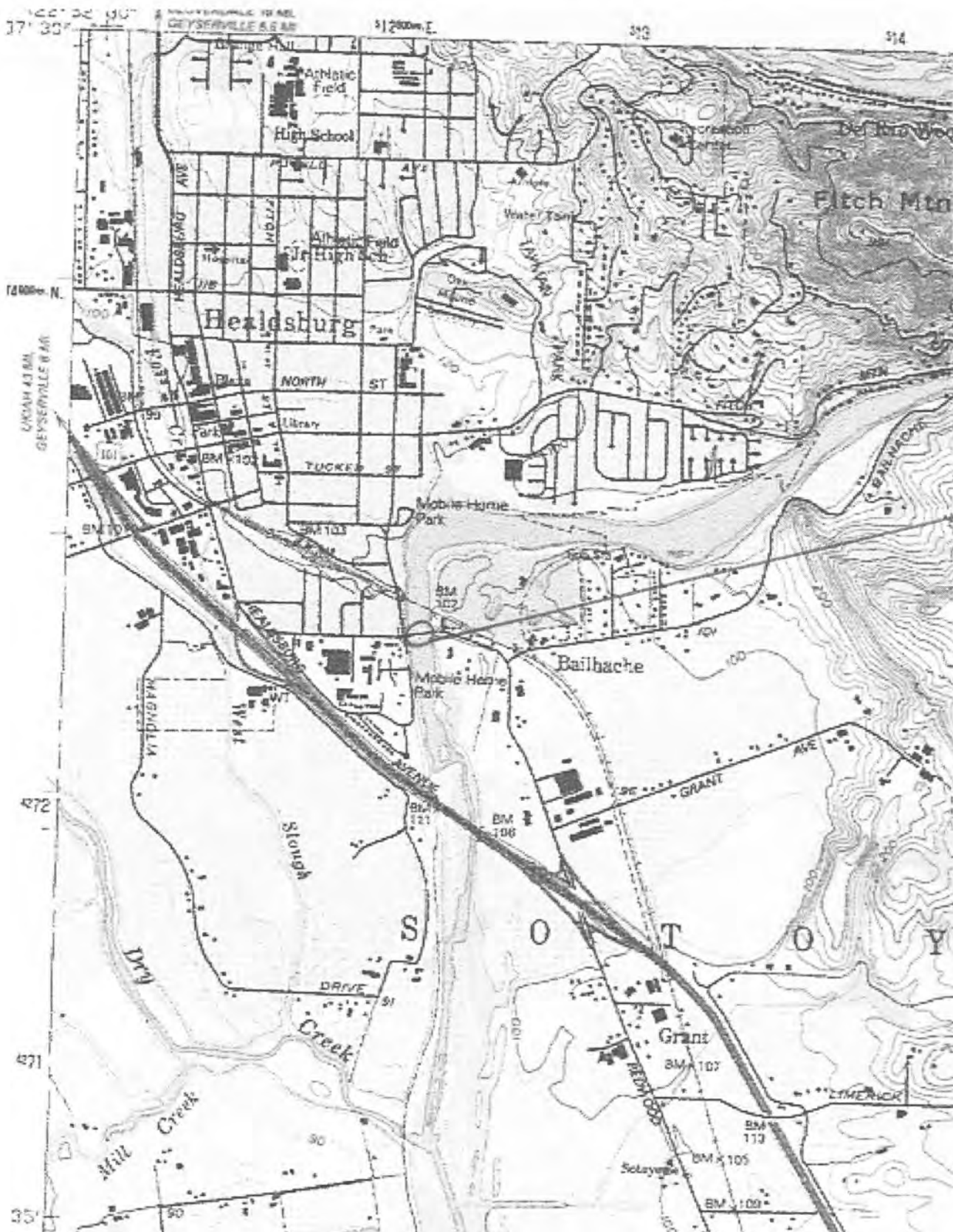
County and State

MPD-Historic Highway Bridges of California

Name of multiple listing (if applicable)

Section number Additional Documentation

Page 9



United States Department of the Interior
National Park Service

National Register of Historic Places
Continuation Sheet--Additional Document

Healdsburg Memorial Bridge

Name of Property

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MPD-Historic Highway Bridges of California

Name of multiple listing (if applicable)

Section number Additional Documentation

Page 10

Photo Log

Name of Property: Healdsburg Memorial Bridge
City of vicinity: Healdsburg
County: Sonoma
State: CA
Name of Photographer: Mel Amato
Date of Photographs: April 20, 2010
Location of Original Digital Files: 816 Revel Rd., Healdsburg, CA 95448

Photo #1 (CA_SonomaCounty_HealdsburgMemorialBridge_0001)

Western face, camera facing southeast.

Photo #2 (CA_SonomaCounty_HealdsburgMemorialBridge_0002)

Western face, camera facing northwest.

Photo #3 (CA_SonomaCounty_HealdsburgMemorialBridge_0003)

Dedication plaque, east side of bridge

Photo #4 (CA_SonomaCounty_HealdsburgMemorialBridge_0004)

Western face, camera facing southeast.

United States Department of the Interior
National Park Service

National Register of Historic Places
Continuation Sheet--Additional Document

Healdsburg Memorial Bridge

Name of Property

Sonoma County, California

County and State

MPD-Historic Highway Bridges of California

Name of multiple listing (if applicable)

Section number Additional Documentation

Page 11

Photograph

Healdsburg Memorial Bridge--Healdsburg
Sonoma County, California
Photographer: Elizabeth Cosin
Date Photographed: 2010
View: Looking West, from Healdsburg Memorial Beach



**United States Department of the Interior
National Park Service**

**National Register of Historic Places
Continuation Sheet--Additional Document**

Healdsburg Memorial Bridge

Name of Property

Sonoma County, California

County and State

MPD-Historic Highway Bridges of California

Name of multiple listing (if applicable)

Section number Additional Documentation

Page 12

Photograph

Healdsburg Memorial Bridge--Healdsburg

Sonoma County, California

Photographer: Unknown, property of Healdsburg Museum

Date Photographed: August, 1946

View: Wine barrel race, looking north toward Memorial Bridge



United States Department of the Interior
National Park Service

NATIONAL REGISTER OF HISTORIC PLACES
CONTINUATION SHEET

Section _____ Page _____

SUPPLEMENTARY LISTING RECORD

NRIS Reference Number: 11000214

Date Listed: 4/14/2011

Healdsburg Memorial Bridge
Property Name

Sonoma CA
County State

Highway Bridges of California MPS
Multiple Name

This property is listed in the National Register of Historic Places in accordance with the attached nomination documentation subject to the following exceptions, exclusions, or amendments, notwithstanding the National Park Service certification included in the nomination documentation.



Signature of the Keeper

4/14/2011
Date of Action

Amended Items in Nomination:

Classification/Function:

The Historic and Current Functions are amended to read: *Transportation-Road Related*

Description:

The narrative description is revised to add the following statement:

"The bridge spans rest on concrete abutments-two on shore and one at mid-stream. The mid-stream pier features rounded ends, battered walls, and a modest decorated cap. Short decorative concrete guard rails are found at the east end of the bridge with open lattice, metal railings along the narrow pedestrian lanes on both sides of the current roadway."

Significance:

The nomination is amended to replace *Architecture* with *Engineering* as an area of significance under Criterion C; Transportation remains under Criterion A.

[Normally, bridges are considered works of engineering significant for their illustration of particular engineering technologies and construction types.]

Geographical Data:

The Verbal Boundary Description is amended to add: *The nomination boundaries encompass the complete structure, including abutments and truss superstructure.*

The Verbal Boundary Justification is amended to read: *The boundary includes all components historically associated with the bridge property.* [All nominations must contain a verbal boundary justification.]

These clarifications were confirmed with the CA SHPO office.

DISTRIBUTION:

National Register property file

Nominating Authority (without nomination attachment)

UNITED STATES DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

NATIONAL REGISTER OF HISTORIC PLACES
EVALUATION/RETURN SHEET

REQUESTED ACTION: NOMINATION

PROPERTY NAME: Healdsburg Memorial Bridge

MULTIPLE NAME: Highway Bridges of California MPS

STATE & COUNTY: CALIFORNIA, Sonoma

DATE RECEIVED: 3/11/11 DATE OF PENDING LIST: 3/30/11
DATE OF 16TH DAY: 4/14/11 DATE OF 45TH DAY: 4/26/11
DATE OF WEEKLY LIST:

REFERENCE NUMBER: 11000214

REASONS FOR REVIEW:

APPEAL: N DATA PROBLEM: N LANDSCAPE: N LESS THAN 50 YEARS: N
OTHER: N PDIL: N PERIOD: N PROGRAM UNAPPROVED: N
REQUEST: Y SAMPLE: N SLR DRAFT: Y NATIONAL: N

COMMENT WAIVER: N

___ACCEPT ___RETURN ___REJECT _____DATE

ABSTRACT/SUMMARY COMMENTS:

The Healdsburg Memorial Bridge is locally significant under National Register Criteria A and C in the areas of Engineering and Transportation. Completed in 1921, the bridge is a fine local example of Pennsylvania through-truss engineering and reflects the evolution of bridge construction in California and the development of the state's highway system during the early twentieth century. The bridge served as a vital link on a major north-south transportation corridor, encouraging local commercial and tourism development in the region. The bridge meets the Registration Requirements outlined in the California Highway Bridges MPS

RECOM./CRITERIA Accept Criteria A+C

REVIEWER Paul R. Lusignan DISCIPLINE Historian

TELEPHONE _____ DATE 4/14/11

DOCUMENTATION see attached comments Y/N see attached SLR Y/N

If a nomination is returned to the nominating authority, the nomination is no longer under consideration by the NPS.





1921

BOARD OF
SUPERVISORS

H. DOSS
WM. KING

FRED LOWELL
W. CUNNINGHAM

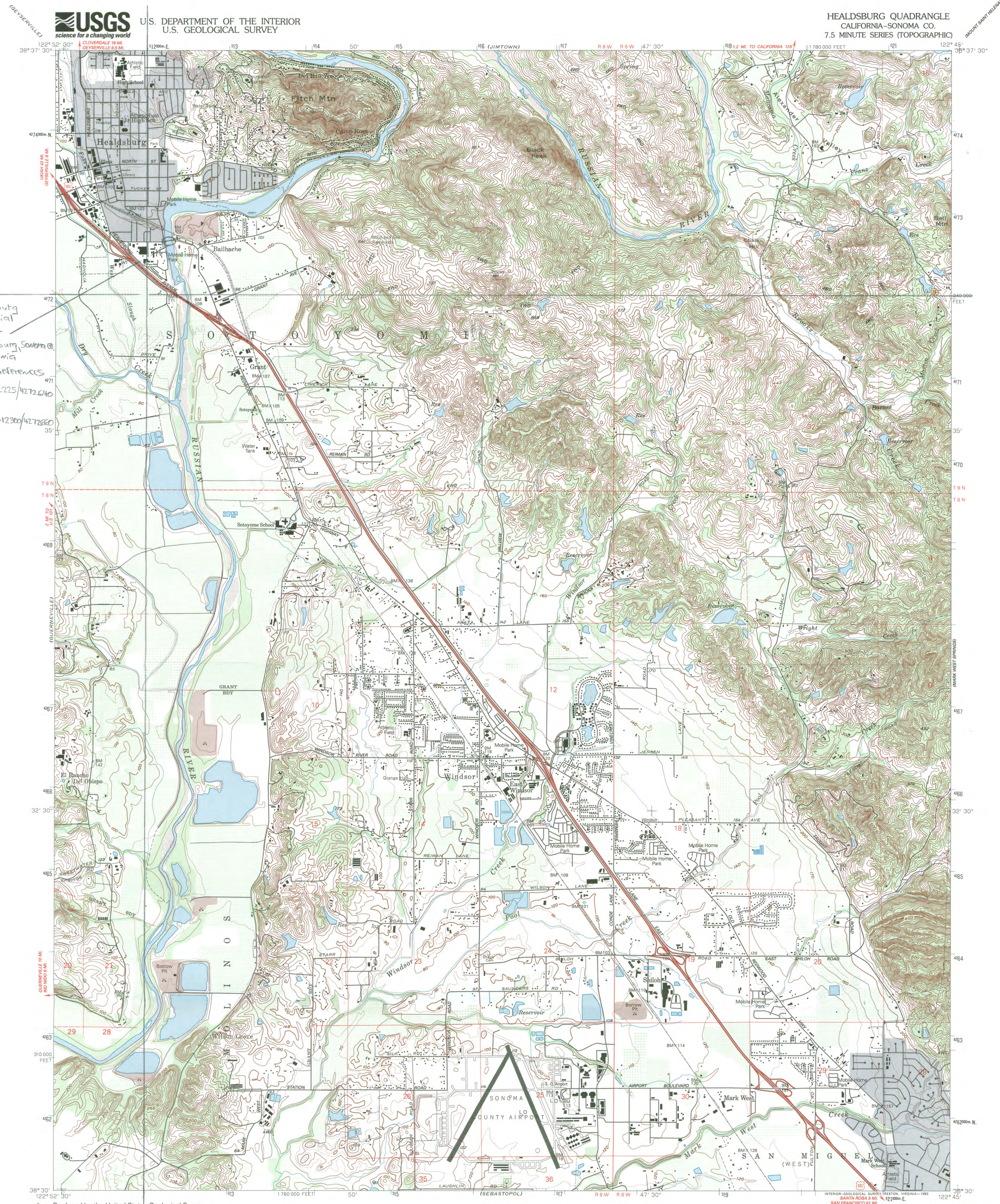
A. D. GODDARD

R. PRESS SMITH
COUNTY ENGINEER

J. C. LEWIS
BRIDGE ENGINEER

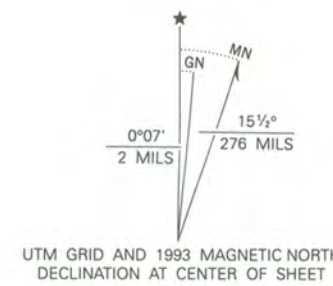
A. W. KITCHEN
CONTRACTOR





Healdsburg Memorial Bridge
Healdsburg, Sonoma Co. California
UTM References
1. 10 512225 / 472640
2. 10 512300 / 472660

Produced by the United States Geological Survey
in cooperation with California
Department of Water Resources
Control by USGS and NOS/NOAA
Compiled from aerial photographs taken 1953. Revised from aerial
photographs taken 1987 and other sources. Field checked 1990
Map edited 1993
1927 North American Datum (NAD 27). Projection and
10000-foot ticks: California Coordinate System, zone 2
(Lambert Conformal Conic)
Blue 1000-meter Universal Transverse Mercator ticks, zone 10
North American Datum of 1983 (NAD 83) is shown by dashed
corner ticks. The values of the shift between NAD 27 and NAD 83
for 7.5-minute intersections are given in USGS Bulletin 1875
There may be private inholdings within the boundaries of the
National or State reservations shown on this map



SCALE 1:24 000
1 000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 KILOMETER
CONTOUR INTERVAL 20 FEET
SUPPLEMENTARY CONTOUR INTERVAL 10 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929
COMPLIES WITH U.S. GEOLOGICAL SURVEY STANDARDS FOR SPATIAL ACCURACY-CLASS 2
FOR SALE BY U.S. GEOLOGICAL SURVEY, P.O. BOX 25286, DENVER, COLORADO 80225
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST



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

HEALDSBURG, CALIF.
38122-E7-TF-024

1993
DMA 1461 III SE-SERIES V895



DEPARTMENT OF TRANSPORTATION

DIVISION OF ENVIRONMENTAL ANALYSIS, MS 27

1120 N STREET

P. O. BOX 942874

SACRAMENTO, CA 94274-0001

PHONE (916) 653-7507

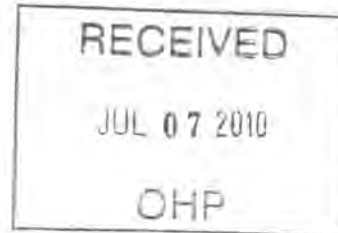
FAX (916) 653-7757

TTY (916) 653-4086

*Flex your power!
Be energy efficient!*

June 29, 2010

Milford Wayne Donaldson, FAIA
State Historic Preservation Officer
Office of Historic Preservation
P.O. Box 942896
Sacramento, CA 94296-0001



Attn: Jay Correia

Subject: National Register of Historic Places Nomination for Healdsburg Memorial Bridge,
Sonoma County, California

Dear Mr. Donaldson:

Thank you for your recent correspondence bringing to our attention the fact that the State Historical Resources Commission will be reviewing the above mentioned nomination. The Healdsburg Memorial Bridge is a locally owned property, not owned by Caltrans. Caltrans had previously identified it as eligible for the National Register, and the Keeper of the National Register concurred in this finding at the time of the original statewide bridge survey in 1986. Our statewide bridge survey update of 2004-2006 confirmed that the bridge retains integrity and remains eligible.

We have reviewed the nomination forms posted on the OHP web page and wish to bring to your attention one error of fact in the draft nomination that could be corrected:

- Paragraph 2 under "Narrative Description" on page 3 states that there are only two remaining Pennsylvania truss roadway bridges in California. The website that is the author's source, Bridgehunter.com, appears to not be comprehensive. There are eight Pennsylvania truss roadway bridges in California. Four of these are eligible for National Register listing and four are ineligible. In addition, there are an unknown number of railroad bridges of this type in California. Attached are the evaluation forms for the eight roadway bridges, from the 2004 metal truss bridge survey. The Pennsylvania truss is a fairly rare truss type for roadway bridges, but not as rare as the author of the nomination suggests.

Milford Wayne Donaldson

June 29, 2010

Page 2

Thank you for the opportunity to review and comment on this nomination. We are pleased that the Friends of the Healdsburg Bridge have moved forward on this nomination to actually list this property. If you have any questions, please contact Andy Hope at (916) 654-5611 or Andrew_hope@dot.ca.gov or me at (916) 653-6187 or Anmarie_medin@dot.ca.gov.

Sincerely,

A handwritten signature in black ink, appearing to read 'Anmarie Medin', written over a horizontal line.

ANMARIE MEDIN

Chief

Cultural Studies Office

Division of Environmental Analysis

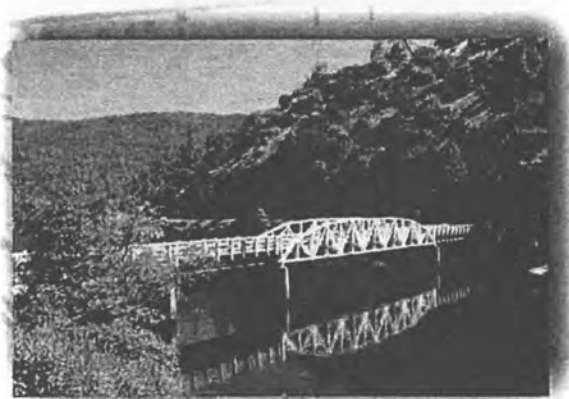
enclosure

c: AHope-CSO, GScott-CSO

CALTRANS HISTORIC BRIDGES INVENTORY UPDATE: METAL TRUSS, MOVABLE, AND STEEL ARCH BRIDGES

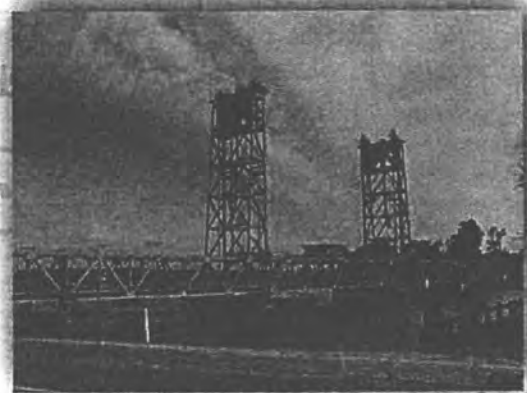
PREPARED FOR:

**STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
ENVIRONMENTAL PROGRAM
1120 N STREET
SACRAMENTO, CALIFORNIA 95814**



PREPARED BY:

**JRP HISTORICAL CONSULTING
1490 DREW AVENUE, SUITE 110
DAVIS, CALIFORNIA 95616**



RECEIVED
JUL 07 2010
OHP

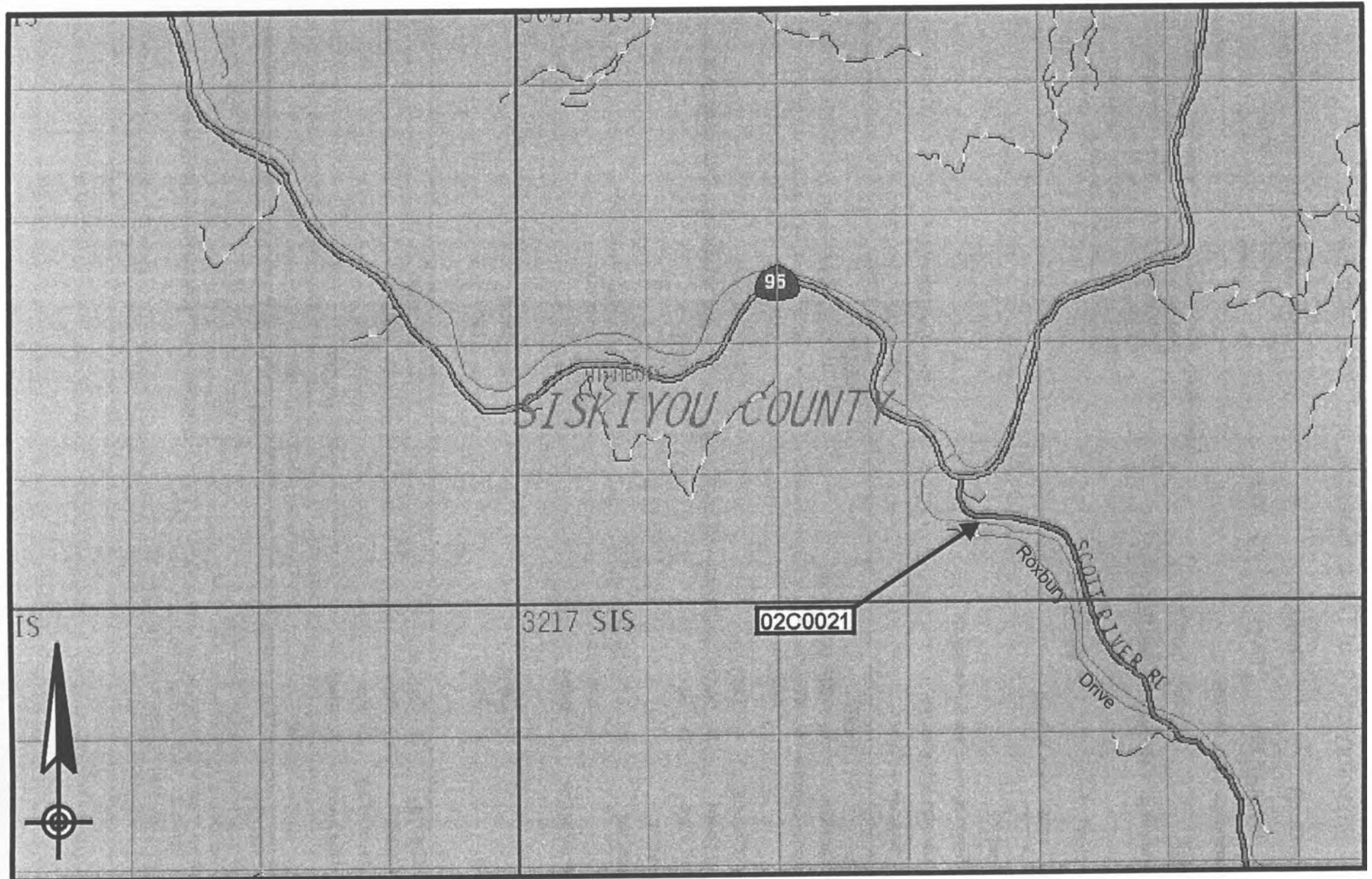
VOLUME I

Revised
September 2004

Historic Evaluation

The Rosbury Bridge in Siskiyou County (02C0021), was found eligible for listing in the National Register of Historic Places as part of the bridge inventory conducted by Caltrans in the 1980s. The evaluation concluded that the bridge was eligible for listing under Criterion C as it embodied the distinctive characteristics of a type and method of construction. The bridge's 221 foot long main span, which carries Roxbury Drive across Scott River, is the largest Pennsylvania petit truss on a California roadway and is an important example of work of the Judson Manufacturing Company. The bridge is an important application of this truss type for use with motor vehicles.

Location Map





Facing north



Facing southwest

Inventory of Metal Truss, Movable, and Steel Arch Bridges

Bridge #: 10C0111 District 1 Evaluation Summary (NRHP Eligibility)
 Road: HILL ROAD Route: PM: Previous: 5 Not eligible
 Update: 5 Not eligible

Feature Intersected: MILL CREEK

City: County Mendocino

Other Location Info: 2.0 Miles East of Fairbanks Road

Description: Bridge 10C0111 is a one lane steel, pin-connected Pennsylvania petit through truss span. The span is 120 feet long.

Year Built: 1909

Moved: Yes

2nd Date: Year Altered 1952 Year Moved

Owner: County

Builder:

Designer: Mendocino County Surveyor

Surveyor: TW / SH

Contractor: Reed & Tuttle

Survey Date: 3/6/2003

Points	1986	2003
Date of Construction	16 1900-1909 period	16 1900-1909 period
Builder/Designer Signific	0 Not significant or not known	0 Not significant or not known
<i>Length:</i>		
Number of Spans	0 1 span(s)	0 1 span(s)
Length of Spans	0 pony <60; through <125; deck <150	0 pony <60; through <125; deck <150
Surviving # of Type	11 10	13 8
<i>Special Features:</i>		
Pin Connected	4 Is pin-connected	4 Is pin-connected
Iron	0 Is not iron	0 Is not iron
Decorative Feature	2 minor	2 minor
<i>Aesthetics</i>		
Site	4 Good	4 Good
Structural	4 Good	4 Good
<i>Integrity:</i>		
Location/Setting	-6 Fair	-6 Fair
Design/Material	-3 Good	-3 Good
Feeling/Association	-1 Good	-1 Good
Transport. / Hist.Assoc.	0 None / unknown	N/A
Totals	31	33

Criterion A Evaluation

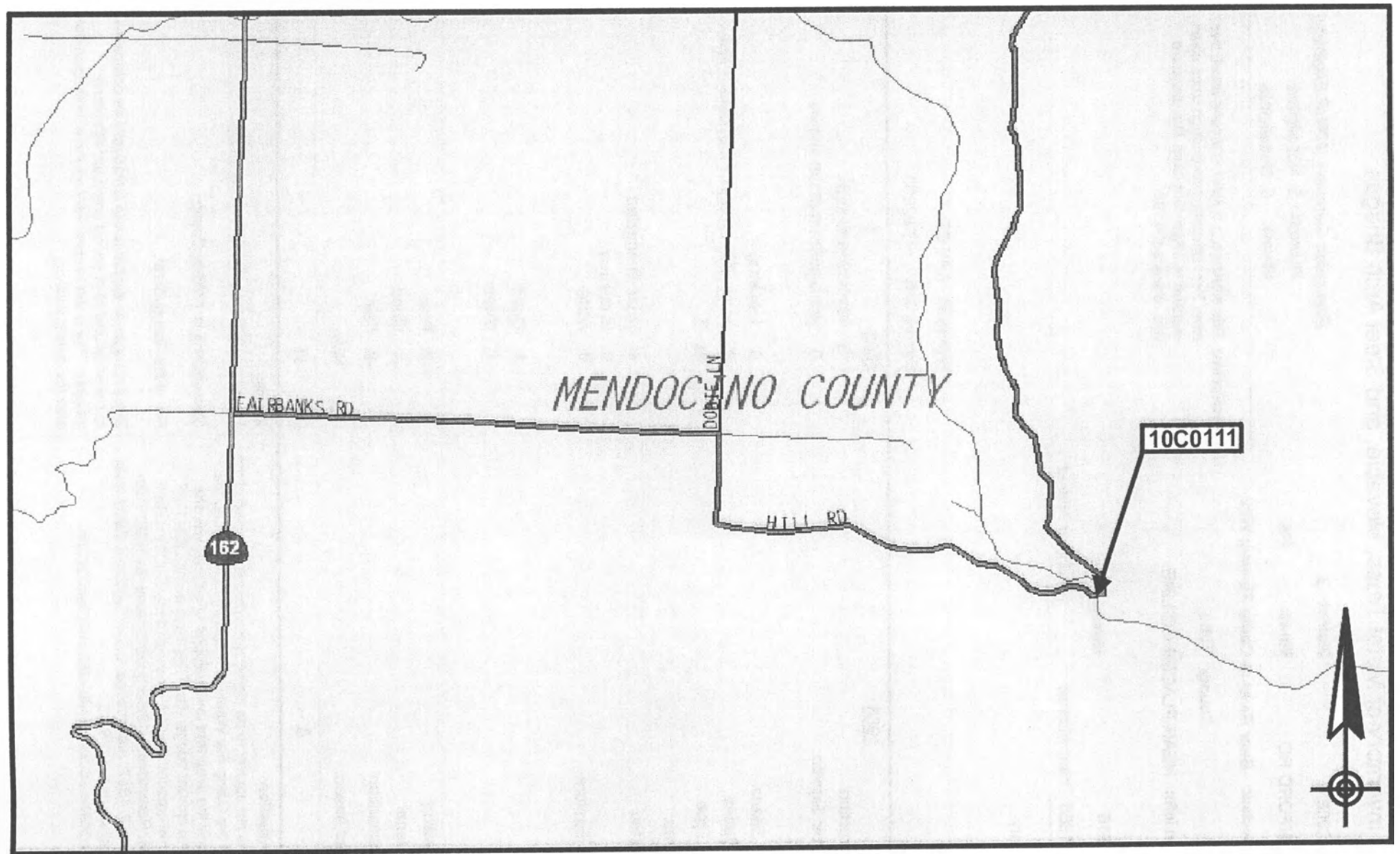
Originally built in Point Arena in 1909, this bridge was moved to its present location in 1952 to replace a previous structure. It does not appear to have fostered any additional development in the area. Overall, this bridge does not appear to be a significant example within the context of local area road improvements that were prevalent throughout the state during this time period. Reference: Mendocino County, 1902.

Notes:

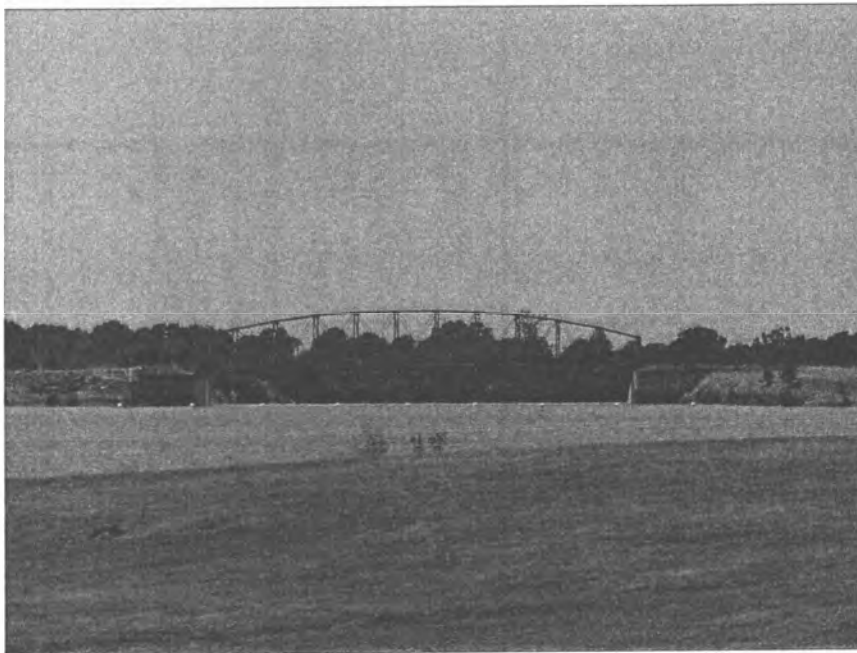
Truss rating sheet dates bridge 1909, moved from Point Arena 1951, and reconstructed 1952 (Reference: Board of Supervisors Minutes), Bridge log dates bridge 1925.

Does not appear eligible for listing under Criterion C as compared to similar examples with better integrity. Though this structure was moved more than 50 years ago, it does not appear significant as a 1952 bridge with integrity of location.

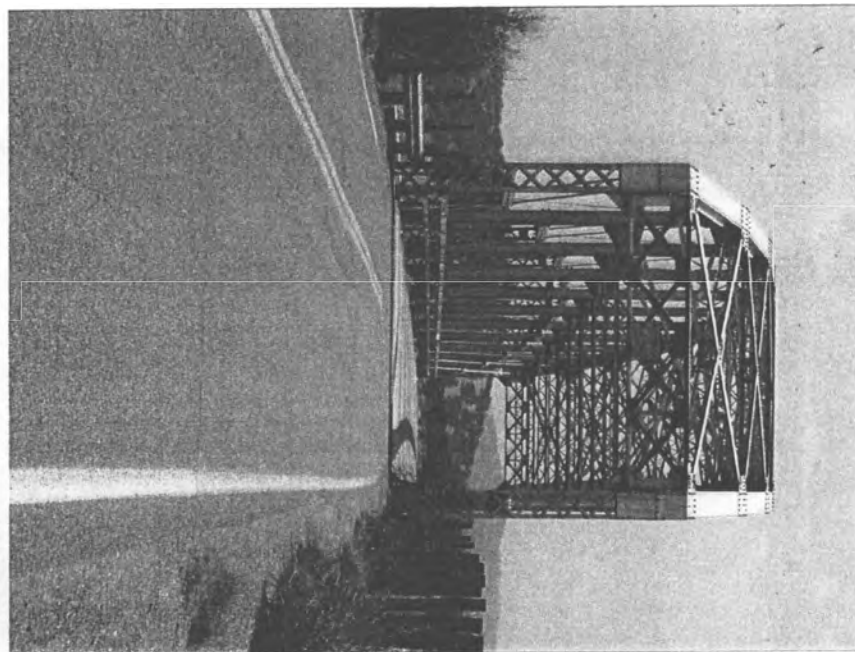
Location Map



Bridge 16C0081



Facing east



Facing north

Inventory of Metal Truss, Movable, and Steel Arch Bridges

Bridge #: 20C0065 District 4
Road: HEALDSBURG AVE Route: PM:

Evaluation Summary (NRHP Eligibility)

Previous: 2 Eligible

Update: 2 Eligible

Feature Intersected: RUSSIAN RIVER

City: Healdsburg County Sonoma

Other Location Info: 35.2 MILES NORTH OF MARIN COUNTY LINE

Description: Bridge 20C0065 is a two span steel, pin-connected Pennsylvania petit through truss that carries two lanes. The spans are each 189 feet long.

Year Built: 1921

Moved: No

2nd Date: Year Altered Year Moved

Owner: County

Builder: American Bridge Company

Designer: J.C. Lewis, Sonoma County Bridge Engr.

Surveyor: AB / NC

Contractor: A. W. Kitchen

Survey Date: 8/21/2003

Points	1986	2003
Date of Construction	8 1920-1929 period	8 1920-1929 period
Builder/Designer Significance	6 Minor example of signif. builder / designer	6 Minor example of signif. builder / designer
Length:		
Number of Spans	2 2 span(s)	2 2 span(s)
Length of Spans	8 pony >80; through >150; deck >150	8 pony >80; through >150; deck >150
Surviving # of Type	11 10	13 8
Special Features:		
Pin Connected	4 Is pin-connected	4 Is pin-connected
Iron	0 Is not iron	0 Is not iron
Decorative Feature	0 none	0 none
Aesthetics		
Site	4 Good	4 Good
Structural	4 Good	4 Good
Integrity:		
Location/Setting	0 Excellent	0 Excellent
Design/Material	0 Excellent	0 Excellent
Feeling/Association	0 Excellent	0 Excellent
Transport. / Hist.Assoc.	3 Local	N/A
Totals	50	49

Criterion A Evaluation

See Historic Evaluation.

Notes:

Increase in the surviving number of type score.



Facing east



Facing southeast

Inventory of Metal Truss, Movable, and Steel Arch Bridges

Bridge #: 29C0037 District 10 Evaluation Summary (NRHP Eligibility)
 Road: PELTIER RD Route: PM: Previous: 5 Not eligible
 Update: 5 Not eligible

Feature Intersected: MOKELUMNE RIVER

City: County San Joaquin

Other Location Info: 1.5 MILES WEST OF LOWER
SACRAMENTO ROAD

Description: Bridge 29C0037 has a steel, rigid-connected Pennsylvania Petit through truss mainspan, 152 feet long. It carries two lanes.

Year Built: 1947

Moved: No

2nd Date: 1973 Year Altered Year Moved

Owner: County

Builder:

Designer: Harold B. Hammill, Civil Engineer

Surveyor: CDM / JMC

Contractor: A. A. Edmundson & A. L. Miller

Survey Date: 3/13/2003

Points	1986	2003
Date of Construction	-20 Post-1945 period	0 1946-1959 period
Builder/Designer Signific	0 Not significant or not known	0 Not significant or not known
<i>Length:</i>		
Number of Spans	0 1 span(s)	0 1 span(s)
Length of Spans	8 pony >80; through >150; deck >150	8 pony >80; through >150; deck >150
Surviving # of Type	14 7	13 8
<i>Special Features:</i>		
Pin Connected	0 Is not pin-connected	0 Is not pin-connected
Iron	0 Is not iron	0 Is not iron
Decorative Feature	0 none	2 minor
<i>Aesthetics</i>		
Site	5 Excellent	5 Excellent
Structural	4 Good	4 Good
<i>Integrity:</i>		
Location/Setting	0 Excellent	0 Excellent
Design/Material	0 Excellent	0 Excellent
Feeling/Association	0 Excellent	0 Excellent
Transport. / Hist.Assoc.	0 None / unknown	N/A
Totals	11	32

Criterion A Evaluation

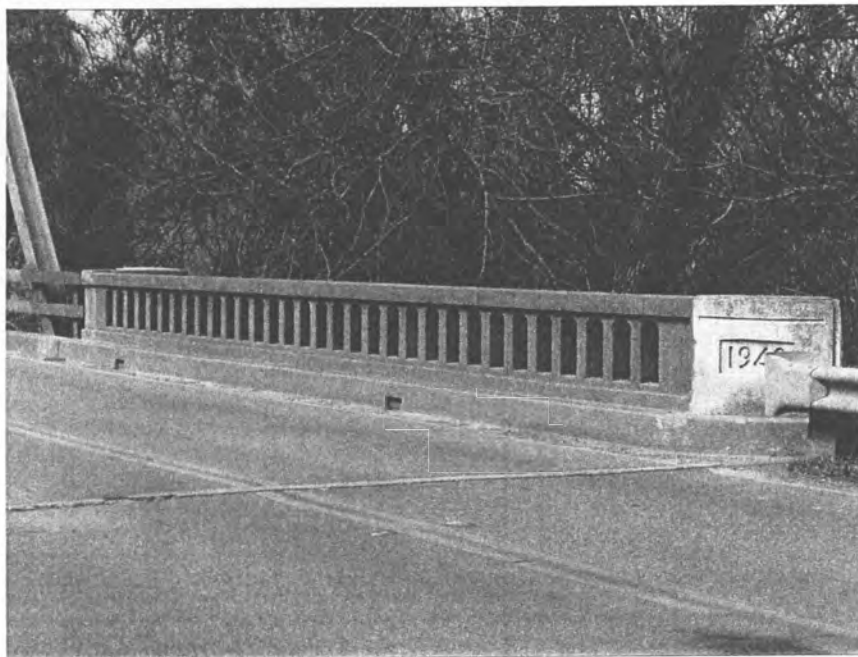
This bridge was constructed as part of a federally funded program to improve county roads and bridges in support of the movement of farm products. The bridge was the first structure at this location. This structure does not appear to be a significant example within the context of the development of transportation within the Sacramento-San Joaquin Delta region or postwar local road improvement efforts. Reference: USGS quad Lodi, 1894, 1907, 1942.

Notes:

Truss Type Pennsylvania Petit. Two points added for concrete railings as decorative feature. Decrease in rarity score.

Does not appear eligible under Criterion C as compared to earlier and larger examples of this type.

Bridge 29C0037



Facing northwest

Inventory of Metal Truss, Movable, and Steel Arch Bridges

Bridge #: 38C0317Z District 10
 Road: TUOLUMNE RIVER Route: PM:

Evaluation Summary (NRHP Eligibility)

Previous: 2 Eligible

Update: 2 Eligible

Feature Intersected: BASSO'S FERRY

City: County Stanislaus

Other Location Info: 1.0 MILE SOUTHWEST OF LA
 GRANGE ON ST132

Description: Bridge 38C0317Z is a steel, pin-connected
 Pennsylvania petit through truss span, 294
 feet long. It carries two lanes.

Year Built: 1911 Moved: No

2nd Date: Year Altered Year Moved

Owner: County

Builder: American Bridge Company

Designer: E. H. Annear, Stanislaus County Surveyor

Surveyor: CDM / JMC

Contractor: Pacific Construction Co.

Survey Date: 4/9/2003

Points	1986	2003
Date of Construction	12 1910-1919 period	12 1910-1919 period
Builder/Designer Signific	12 Major example of signif. builder / designer	12 Major example of signif. builder / designer
Length:		
Number of Spans	0 1 span(s)	0 1 span(s)
Length of Spans	8 pony >80; through >150; deck >150	8 pony >80; through >150; deck >150
Surviving # of Type	11 10	13 8
Special Features:		
Pin Connected	4 Is pin-connected	4 Is pin-connected
Iron	0 Is not iron	0 Is not iron
Decorative Feature	0 none	0 none
Aesthetics		
Site	5 Excellent	5 Excellent
Structural	4 Good	4 Good
Integrity:		
Location/Setting	0 Excellent	0 Excellent
Design/Material	0 Excellent	0 Excellent
Feeling/Association	0 Excellent	0 Excellent
Transport. / Hist.Assoc.	3 Local	N/A
Totals	59	58

Criterion A Evaluation

See Historic Evaluation.

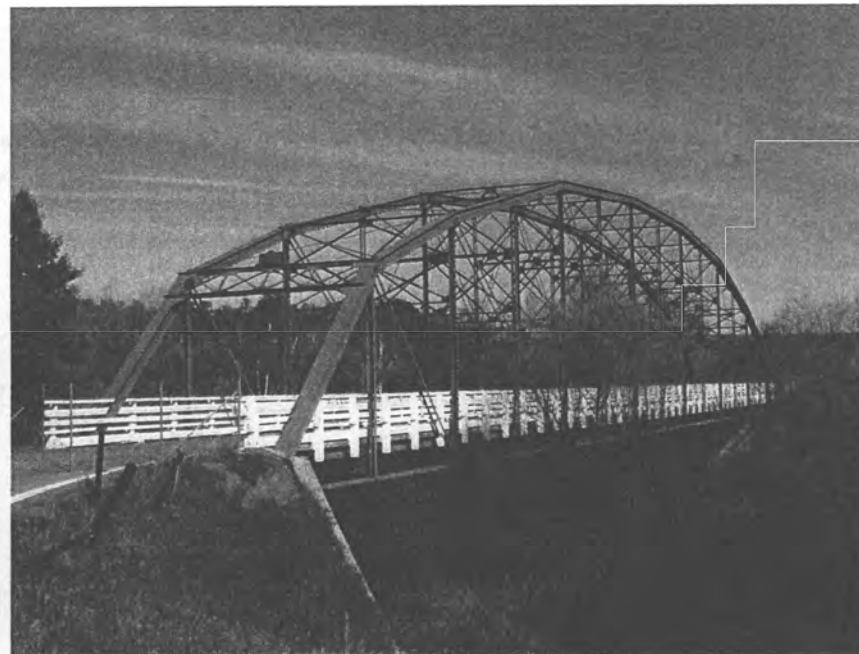
Notes:

No longer a motor vehicle bridge. Restored as
 pedestrian bridge 1986-87.

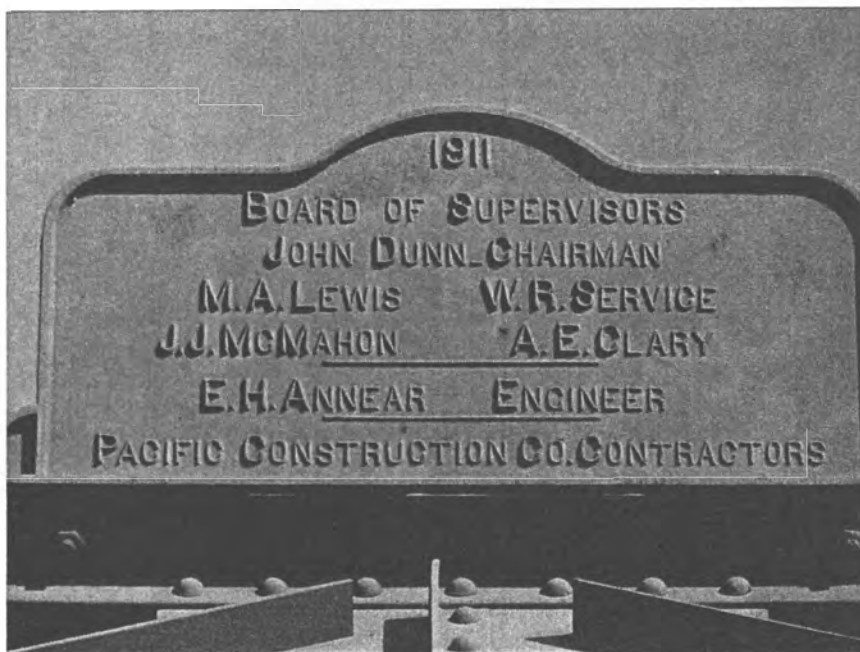
Surviving number of type score increased.



Facing east



Facing northeast



Facing east

Inventory of Metal Truss, Movable, and Steel Arch Bridges

Bridge #: 54C0368 District: 8 Evaluation Summary (NRHP Eligibility)
 Road: GREENSPOT RD Route: PM: Previous: 2 Eligible
 Update: 2 Eligible

Feature Intersected: SANTA ANA RIVER

City: Highland County: San Bernardino

Other Location Info: 4.3 MILES EAST OF CHURCH STREET

Description: This structure is a steel, single span, pin connected Pennsylvania Petit, 205 feet long carrying two lanes.

Year Built: 1912

Moved: Yes

2nd Date: Year Altered 1933 Year Moved

Owner: County

Builder: Joliet Bridge & Iron Works

Designer: Joliet Bridge & Iron Works

Contractor: Joliet Bridge & Iron Works

Surveyor: TW / SH

Survey Date: 3/26/2003

Points	1986	2003
Date of Construction	12 1910-1919 period	12 1910-1919 period
Builder/Designer Signific	12 Major example of signif. builder / designer	12 Major example of signif. builder / designer
Length:		
Number of Spans	0 1 span(s)	0 1 span(s)
Length of Spans	8 pony >80; through >150; deck >150	8 pony >80; through >150; deck >150
Surviving # of Type	11 10	13 8
Special Features:		
Pin Connected	4 Is pin-connected	4 Is pin-connected
Iron	0 Is not iron	0 Is not iron
Decorative Feature	2 minor	0 none
Aesthetics		
Site	5 Excellent	5 Excellent
Structural	5 Excellent	5 Excellent
Integrity:		
Location/Setting	-6 Fair	-6 Fair
Design/Material	-3 Good	-3 Good
Feeling/Association	-2 Fair	-2 Fair
Transport. / Hist.Assoc.	3 Local	N/A
Totals	51	48

Criterion A Evaluation

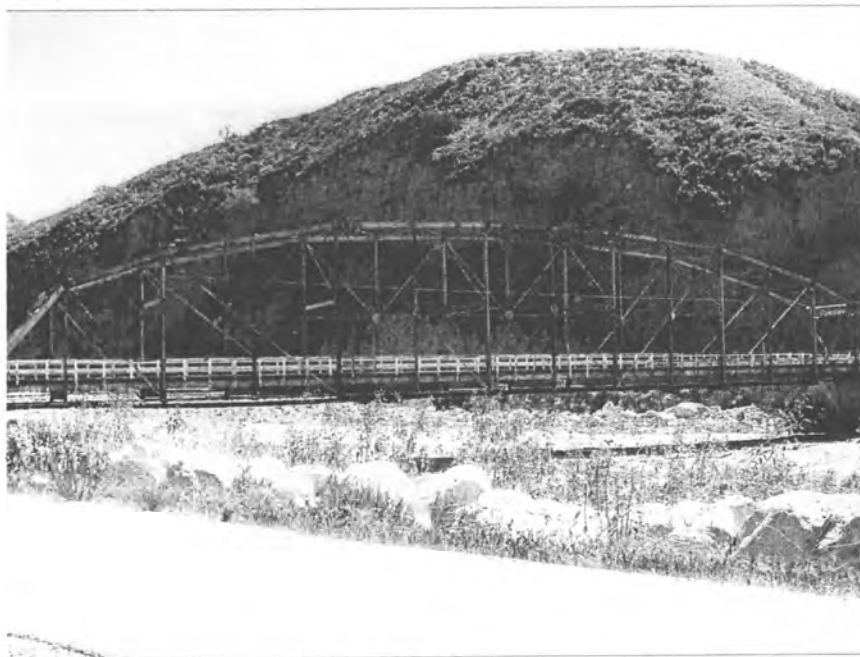
See Historic Evaluation.

Notes:

Moved to this location in 1933.

Decorative feature score changed - the use of lattice on this bridge is part of structure - not considered decorative.

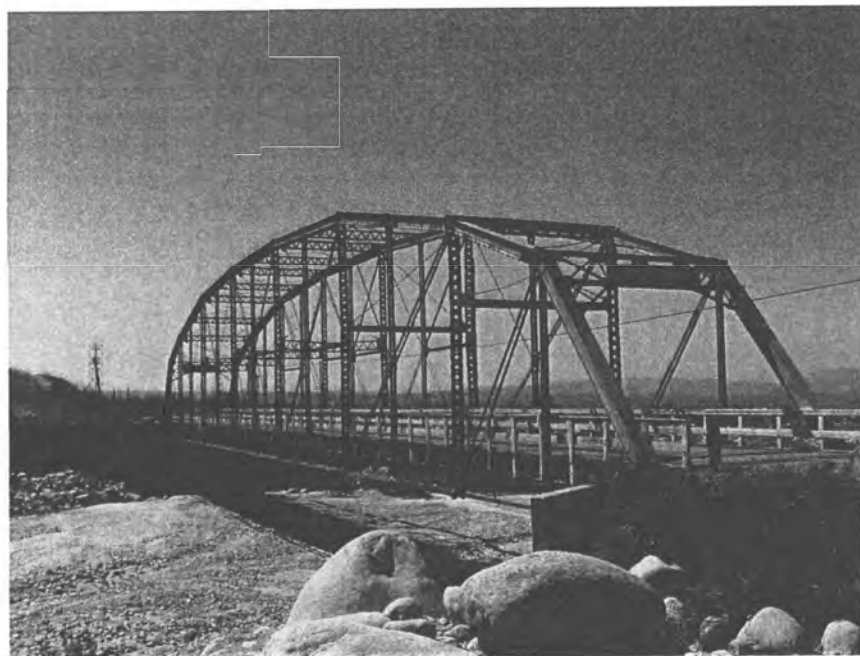
Found eligible in the 1986 survey under Criterion C chiefly as the only known example in California of a work of Joliet Bridge and Iron Works. This bridge is actually the better example of two Joliet bridges, the other is 49C0109.



Facing southeast



Facing south



Facing southwest

**Healdsburg Memorial Bridge
Healdsburg, Sonoma County
Staff Report**

A striking example of a Pennsylvania through-truss type bridge, the Healdsburg Memorial Bridge was constructed in 1921 and spans the Russian River in the Sonoma County town of Healdsburg. As the first steel bridge constructed across the Russian River the bridge served as a vital link on the portion of Highway 101 that stretches from San Francisco to the Oregon border. The structure is also integral to the social and cultural history of the town of Healdsburg as the focal point of community events. For generations locals and vacationers have gathered on Memorial Bridge to watch swimming meets, wine barrel races, and parades of festively decorated watercraft take place on the river.

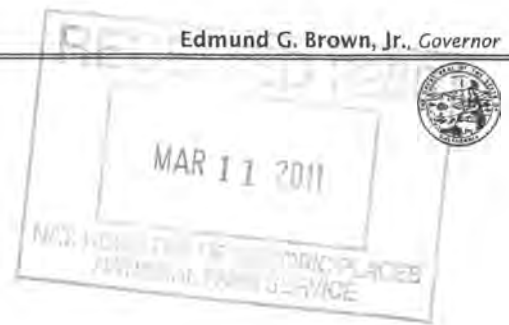
Submitted under cover of the Historic Highway Bridges of California Multiple Property Documentation (MPD) form approved by the Keeper of the National Register on August 5, 2004, the Healdsburg Memorial Bridge meets the Registration Requirements of the MPD because the structure was constructed in 1921, within the period of significance of 1855 to 1936 as outlined in the MPD. Healdsburg Memorial Bridge is a metal truss bridge, one of the associated property types listed in the MPD. Metal truss bridges are significant because they are associated with the evolution of bridge construction in California and also with the development of California's highway system. Highways and bridges link communities and support activities that require transportation of people and materials. Metal truss bridges are also significant because they show the design capability of state and county engineers and the fabrication skills of the state's builders. Healdsburg Memorial Bridge meets the registration requirements of the MPD because it possesses the age, rarity, attractiveness of structure and setting, and historical importance as outlined in the MPD. The Healdsburg Memorial Bridge retains a high degree of historical integrity.

The City of Healdsburg is the property owner. Healdsburg Memorial Bridge was determined eligible for the National Register in 1985 during the Section 106 of the National Historic Preservation Act review process. The Bridge was formally determined eligible by the Keeper in 2004. By this nomination the applicant seeks to have the Bridge formally listed in the National Register. Staff recommends that the State Historical Resources Commission determine the Healdsburg Memorial Bridge meets the requirements of the Historic Highway Bridges of California Multiple Property Document and recommends the State Historic Preservation Officer approve the nomination for forwarding to the National Park Service for listing in the National Register under Criterion A and Criterion C.

Jay Correia
State Historian III
July 20, 2010

**OFFICE OF HISTORIC PRESERVATION
DEPARTMENT OF PARKS AND RECREATION**

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SACRAMENTO, CA 94296-0001
(916) 445-7000 Fax: (916) 445-7053
calshpo@ohp.parks.ca.gov



March 10, 2011

Ms. Carol Shull, Keeper
National Register of Historic Places
National Park Service 2280
1201 I (Eye) Street, NW
Washington, DC 20005

Subject: **Healdsburg Memorial Bridge National Register of Historic Places
Nomination.**

Dear Ms. Shull:

Enclosed please find the **Healdsburg Memorial Bridge** nomination to the National Register of Historic Places. The bridge is being nominated to the National Register under cover of the **Historic Highway Bridges of California Multiple Property Submission** (MPD). The applicant is the Friends of Healdsburg Memorial Bridge organization. Although the Keeper formally determined Healdsburg Memorial Bridge eligible for the National Register in 2004, the applicant wishes to see the structure formally listed in the Register.

On July 30, 2010 the California State Historical Resources Commission unanimously found that the Healdsburg Memorial Bridge meets the registration requirements of the Historic Highway Bridges of California MPD. The California Commission also found the Bridge eligible for the National Register under Criterion A for the significant role it has played in the social and cultural history of Healdsburg. The bridge is owned by the City of Healdsburg.

If you have questions regarding this nomination, please contact Jay Correia of my staff at 916-445-7008 or jcorr@parks.ca.gov.

Sincerely,

Milford Wayne Donaldson, FAIA
State Historic Preservation Officer
Enclosures