

HAER
CAL
58-SMAV.V,
1-

HISTORIC AMERICAN ENGINEERING RECORD

INDEX TO PHOTOGRAPHS

HAER No. CA-132

Parks Bar Bridge (Yuba River Bridge)
California State Highway 20 spanning the Yuba River
Smartville vicinity
Yuba County
California

Documentation: 21 photographs (1991)
10 photocopies of historic plans (1912)
23 photocopies of historic construction photographs
(1913)

Don Tateishi, Photographer, terrestrial photographs, 1991
Lynn Harrison, Photographer, aerial photographs, 1991
Unknown photographer, 1912-13
John Snyder, Field Director (1991)

- CA-132-1 Contextual aerial view of bridge in setting, from upstream, view to northwest.
- CA-132-2 Contextual aerial view of bridge in setting, from upstream, view to west.
- CA-132-3 Contextual aerial view of bridge in setting, from downstream, view to northeast.
- CA-132-4 Contextual aerial view of bridge in setting, from downstream, view to southeast.
- CA-132-5 Contextual view of bridge in setting, from upstream, view to west-northwest.
- CA-132-6 Contextual view of bridge in setting, from downstream, view to east.
- CA-132-7 Upstream elevation, view to west.
- CA-132-8 Oblique view of upstream elevation, view to west-northwest.
- CA-132-9 Oblique view of upstream elevation, view to northwest
- CA-132-10 Oblique view of upstream elevation from stream level, view to northwest.
- CA-132-11 Downstream elevation, view to east-southeast.
- CA-132-12 Downstream elevation, view to east-northeast.

PARKS BAR BRIDGE (Yuba River Bridge)
HAER No. CA-132 Page 2
Index to Photographs

- CA-132-13 Downstream elevation, view to east-northeast.
- CA-132-14 North approach, view to south.
- CA-132-15 South approach, view to north.
- CA-132-16 Understructure, south abutment, approach span
 columns and floor beams, deck soffit; view to
 south.
- CA-132-17 Understructure, view from south abutment showing
 sway bracing in foreground, columns, floor beams,
 deck soffit; view to north.
- CA-132-18 Understructure, view of south arch abutment showing
 arch ribs, columns, sway bracing, floor beams, deck
 cantilever, railing; view to southwest.
- CA-132-19 Detail, center hinge of south span arches,
 transverse floor beams, deck cantilever, railings;
 view to northwest.
- CA-132-20 Detail, Pier 3, with large stone riprap showing
 depth of scour which has taken place since bridge
 was completed; view to northwest.
- CA-132-21 Detail, railing, curbs and scuppers; view to
 northwest at south abutment.

PHOTOGRAPHIC COPIES OF HISTORIC PLANS Microfilm copies of original drawings are located at California Department of Transportation, Sacramento, California.

- CA-132-22 "General Drawing Of Proposed Three Hinged Arch
 Bridge At Parks Bar Crossing Over The Yuba River,
 Yuba County Cal., Thomas System, Thomas & Post,
 Consulting Engrs, Hibernian Building, Los Angeles,
 Aug. 3, 1912."
- CA-132-23 "General Drawing Of Proposed Three Hinged Arch
 Bridge At Parks Bar Crossing Over The Yuba River,
 Yuba County Cal., Thomas System, Thomas & Post,
 Consulting Eng'r's, Hibernian Building, Los
 Angeles, Oct. 18, 1912," and marked "Revised Oct.
 22, 1912."
- CA-132-24 "Plan and Profile of Layout, Parks Bar Bridge, V.W.
 Willits, Asst. Eng., Oct. 4, 1912, Thomas and Post,
 Consulting Engineers, Hibernian Building, Los
 Angeles."

PARKS BAR BRIDGE (Yuba River Bridge)
HAER No. CA-132 Page 3
Index to Photographs

- CA-132-25 "Details--Transverse Sections For Three Hinged Arch Bridge Over Yuba River At Parks Bar, Thomas System, Thomas And Post-- Consulting Engineers--Los Angeles." Revised plans, but date of revision not legible.
- CA-132-26 "Longitudinal Section At One Side Of Central Beam," dated 1912.
- CA-132-27 "Details Of Crown And Abutment Hinges For Three Hinged Arch Bridge Over Yuba River, Thomas System, Thomas And Post, Engineers, Hibernian Bldg., Los Angeles," marked "Revised [Oct.?] 22, 1912."
- CA-132-28 "Details Of Abutments For Three Hinged Arch Bridge Over Yuba River, Thomas System, Thomas And Post, Engineers, Hibernian Bldg., Los Angeles," dated March 31, 1913.
- CA-132-29 "Details Of Piers For Three Hinged Arch Bridge Over Yuba River, Thomas System, Thomas and Post, Cons..., Los Angele[s], Revised Oct. 22, 1912."
- CA-132-30 "Details Of Caisson For Piers For Three Hinged Arch Bridge Over Yuba River, Thomas Ssytem, Thomas And Post, Engineers, Hibernian Bldg., Los Angeles, Revised Oct. 22, 1912."
- CA-132-31 "Details For Three Hinged Arch Bridge Over Yuba [River], Thomas System, Thomas And Post--Consulting Engineers, Hibernian Bldg., Los Angeles, Revised Oct. 22, 1912."

PHOTOGRAPHIC COPIES OF HISTORIC CONSTRUCTION PHOTOGRAPHS
Original prints are located in the California Room, Yuba County Library, Marysville, California.

- CA-132-32 Preliminary work, with old suspension bridge in middle ground, looking downstream, view to west.
- CA-132-33 Steam-powered pile driver working on footings for Pier 3, with south abutment visible at right; view to south.
- CA-132-34 Steam-powered stiff-leg power shovel at work, Pier 2 or 3 at left; view to north.
- CA-132-35 Caisson for Pier 2 at center, with pile driver working on Pier 1; view to north-northeast.
- CA-132-36 North arch abutment, view to northeast.

PARKS BAR BRIDGE (Yuba River Bridge)
HAER No. CA-132 Page 4
Index to Photographs

- CA-132-37 Pier 1, view to northwest.
- CA-132-38 Falsework in place, formwork beginning to be placed, for arch rib between north abutment and Pier 1, view to south-southwest.
- CA-132-39 Second piece of formwork being readied for lifting into place for arch rib at north abutment, view to northwest.
- CA-132-40 Second piece of formwork being lifted into place for arch rib at north abutment, view to northwest.
- CA-132-41 Second piece of formwork being lifted into place for arch rib at north abutment, view to northwest.
- CA-132-42 Piers 2 and 3 under construction. Pier 3 at right, pier 2 still in forms at left center, pier 1 with formwork for arch ribs in place at left; view to north-northeast.
- CA-132-43 Arch ribs between north abutment and pier 1 completed, working platform for constructing spandrel members being placed; formwork for arch ribs between piers 1 and 2 being placed; concrete placement tower at center with chute ready for a pour; view to northwest.
- CA-132-44 Arch ribs in place, arch ribs between piers 2 and south abutment still in forms, south abutment at right, pier 3 at center, pier 2 at left; falsework for deck and south approach spans being placed; view to east.
- CA-132-45 Formwork for decks in place, except on arch ribs between piers 2 and 3, concrete being poured on south arch, view to north-northeast from near south abutment.
- CA-132-46 Lowering concrete placement tower, Pier 1 at center; view to northwest.
- CA-132-47 Pouring deck columns, steam-powered concrete mixer at center; direction of view not clear, but probably to north.
- CA-132-48 Placing deck reinforcement, view to north.
- CA-132-49 Bridge nearing completion, view to north-northeast from near south abutment.

PARKS BAR BRIDGE (Yuba River Bridge)
HAER No. CA-132 Page 5
Index to Photographs

- CA-132-50 Bridge nearing completion, Pier 2 at right center, Pier 1 at left center, north abutment at left; view to northeast.
- CA-132-51 Bridge nearing completion, note formwork for deck cantilever, south abutment; view to east. Note lack of connection to roadway at right.
- CA-132-52 Bridge nearing completion, view to north-northwest from south abutment. Note construction tent camp in background, and edge of bridge without connection to roadway in foreground.
- CA-132-53 Bridge nearing completion, view to northwest from near south abutment.
- CA-132-54 Bridge nearing completion, oblique view to downstream elevation; view to southeast.