

**VOLUME I:  
INDEX  
to  
*California Highways and Public Works*  
1937-1967**

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CALIFORNIA HIGHWAYS AND PUBLIC WORKS  
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INTRODUCTION AND ACKNOWLEDGMENTS

This two-volume index is meant to aid those wishing to use the *California Highways and Public Works* journal as an historic reference. An index to the earlier volumes, 1912-1936, was produced in 1937.<sup>1</sup>

The project was made possible by CALTRANS and the CSUS Foundation (California State University-Sacramento), and could not have been accomplished without the following:

Gregory King, Chief, History, Architecture and Community Studies (HACS) Branch, who originally brought the need for an index to the attention of the Environmental Program, and oversaw the entire project. His support and assistance throughout the indexing process was greatly appreciated.

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Public Historians are trained to serve as research historians, archivists, and museum curators, working within the community at large, rather than on the staffs of academic institutions. "Public History" is really about local history, which can be found throughout a community in its libraries and archives in the form of court documents, engineering reports, newspaper accounts, diaries, and countless other historical records. Knowledge of a community's history is important for the protection and preservation of its cultural resources. Public historians turn to the past in order to help solve contemporary problems regarding such issues as water rights, housing arrangements, land use, and neighborhood patterns. The Public History Program at CSU-Sacramento is structured to help history students acquire the skills and background necessary to succeed in the historical field outside of the academic world.

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<sup>1</sup> John W. Howe, ed. *Index and List of Illustrations for California Highways and Public Works*. Sacramento: California State Printing Office, 1937.

CALIFORNIA HIGHWAYS AND PUBLIC WORKS  
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*California Highways and Public Works Journal, 1912-1967:*  
A Brief History

**PUBLICATION HISTORY**

*California Highways and Public Works* was the official journal of the Department of Public Works (Caltrans' predecessor agency) from 1912 to 1967. The history of its publication is almost as involved as the California Highway System itself. Five issues of the journal, then called *California Highway Bulletin*, were published by the California Highway Commission and the Department of Engineering between 1912 and 1916. After a lapse in publication from 1916 to 1923 the journal, now renamed *California Highways*, was issued monthly through August, 1927 and bi-monthly for September-October, 1927. In November, 1927 the Department of Public Works took over publication and renamed the journal *California Highways and Public Works*. Under the Department of Public Works, the journal was issued intermittently monthly or bi-monthly through December, 1934 then on a regular monthly basis beginning in January, 1935 to February, 1943. Regular bi-monthly publication began in March-April, 1943 and continued until the final issue: January-February, 1967.

<u>Publication Title</u>	<u>Publication Dates</u>
— <i>California Highway Bulletin</i>	Oct. 15, 1912 May 1, 1913 July 1, 1914 Jan. 1, 1915 July 1, 1916
	(Lapse of publication 1916--1923)
<i>California Highways</i>	(issued monthly) Jan. 1924--Aug. 1927  Sept/Oct. 1927
<i>California Highways and Public Works</i>	(monthly or bi-monthly) Nov. 1927--Nov/Dec 1934  (monthly) Jan. 1935--Feb. 1943  (bi-monthly) Mar/Apr 1943--Jan/Feb 1967

## CONTENT AND PURPOSE

The purpose of the journal remained steadfast despite its name changes and sporadic publication: it was to be “a forum for ideas,” providing information about the state highway system, “to the end that the work and methods of the California Highway Department may be improved.”<sup>2</sup> In early 1916, State Highway Engineer Austin B. Fletcher ordered his division engineers to produce a “weekly story of about 1000 words on some phase of his work.” Because the engineers’ earlier efforts “dealt too largely in technicalities” Fletcher provided a number of suggestions for articles which might better appeal to the everyday citizen or the taxpaying motorist: “Mileage saved by completing new highway section; elimination of a steep, well-known grade, dangerous curve, or railroad crossing; description of a local celebration in honor of a finished highway; . . . the early history of California; the making accessible of a strange or picturesque new country or points of historic interest; [and] voluntary praise of the state highway system by distinguished visitors.”<sup>3</sup> Other related subjects, such as water resources, roadway-related legislation and litigation, and traffic were also covered, though on a limited basis.

*California Highways* was an important media in the pre-television era. Presiding at bridge and highway dedication ceremonies (which were inevitably heavily publicized in the journal) was one of the few ways in which the governor and other politicians could reach a mass audience. During World War II, its pages expounded the need for a system of national defense highways, and reported conservation efforts by the Public Works Department on behalf of the war effort, such as replacing the familiar solid traffic stripe with a broken-line version (called the “Victory Stripe”) as a paint-saving measure.

Articles written for the journal were also frequently distributed to the local press in order to promote interest in a particular construction project and improve public relations. This was particularly important during the freeway construction-era; numerous articles in the 1950s address concerns about right-of-way clearance and the economic effect of highway bypasses on downtown commerce.

*California Highways and Public Works* still serves a valuable purpose as a historical reference for researchers and (inadvertently) as a record of changes in American culture and society throughout the first six decades of the twentieth century. Articles on the conversion of narrow wagon roads to paved one-lane roads, to two-lane divided highways, then four-lane highways, eight-lane expressways, and finally multilevel freeways reflect America’s increasing abandonment of public transportation in favor of automobile travel. Highways, bridges, and tunnels had to become stronger and wider in the mid-1930s in order to accommodate not only more automobiles, but an increased volume of trucks, which had begun to surpass rail as the number one transporter of goods. There are a great many articles during this time period regarding the inadequacy of highways, bridges and tunnels for modern traffic needs.

Postwar issues reflect the mood of a far more somber nation. Dedication celebrations became less frequent, and those which were held fail to draw the large crowds of prewar

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<sup>2</sup> *California Highways and Public Works*, Vol. 1: January, 1924: 9.

<sup>3</sup> *Engineering Record*, “Highway Engineers Must Write” Vol. 74: 248. New York 8/26/16. Republished in *California Highways* 1916.

days. By the late 1950s, some public opinion toward road-building had shifted, as increasingly it began to be acknowledged that freeways also sometimes had negative aspects, including the disruption of neighborhoods and the effect on certain businesses dependent on a steady stream of automobile traffic. The journal addressed these concerns indirectly by publishing a series of articles and economic studies on the positive effects of the bypasses.

### DISCONTINUATION

The decision to discontinue *California Highways* was (at least officially) based on economics. Despite its usefulness as a promotional tool for the Division of Highways, by the mid-1960s the magazine (which boasted a worldwide circulation) had become too expensive to produce and mail.<sup>4</sup> In 1961, the State Senate Committee on Transportation considered leveraging a subscription charge for the publication. A readers' survey poll found that "while a great many people indicated a willingness to pay [a subscription charge], it was . . . evident that there would have to be a substantial reduction in circulation if a charge were established."<sup>5</sup> The idea was dropped.

Then the journal's content was challenged. While most of the readers surveyed in the 1961 poll had "appeared to be in favor of the publication's long-established policy of carrying both technical and general-interest articles," others saw room for improvement. A 1965 *Los Angeles Times* editorial blasted *California Highways*, comparing it unfavorably to similar publications in other states, and lamenting that taxpayers should have to foot the bill for a "costly and dull" magazine.<sup>6</sup> Ronald Reagan ordered a cease of publication shortly after taking office as governor in 1967.

Unofficially, political motives were held responsible for the journal's discontinuation. It was speculated that Reagan "squashed" the publication because it had featured former governor Pat Brown too prominently for his successor's liking.<sup>7</sup> Other politicians were accused of using *California Highways* to further their own careers.<sup>8</sup>

In any case, with the loss of its official journal the Department of Public Works began to place greater emphasis on other types of media such as television and radio to counter negative publicity and address public concerns. Though now a part of history, *California Highways* continues to educate and inform.

## Main Subject Headings

### ACCIDENTS

### ARCHAEOLOGY & PALEONTOLOGY

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<sup>4</sup> "Responses to Concerns Raised by Dist. 7 Employees." Memorandum. August, 1973. Caltrans Transportation Library History Center, Sacramento.

<sup>5</sup> *California Highways*, July-August 1961: 65.

<sup>6</sup> Robert M. Blanchard. "Costly and Dull Magazine Fails to Boost State," *Los Angeles Times*: July 22, 1965.

<sup>7</sup> Francis N. Hveem, qtd. in Frank Durkee oral history interview, 1979, Transportation Library History Center.

<sup>8</sup> Minutes of the Caltrans History Committee Meeting. June 14, 1984.



CALIFORNIA HIGHWAYS AND PUBLIC WORKS  
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**AWARDS**

BEAUTIFICATION--*See LANDSCAPE & LANDSCAPE MAINTENANCE*

BILLBOARDS--*See OUTDOOR ADVERTISING*

**BRIDGES**

**BUDGETS & FUNDING**

**BUILDINGS**

BYPASSES--*See ROADSIDE BUSINESSES & BYPASSES*

**CALIFORNIA HIGHWAY COMMISSION**

CONVENTIONS--*See EVENTS*

**CONVICT LABOR**

CULVERTS--*See also EROSION CONTROL, Drainage*

CURBS--*See SAFETY*

**DAMS & CANALS**

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ECONOMICS--*See BUDGETS & FUNDING; GASOLINE TAXES; ROADSIDE BUSINESSES  
& BYPASSES*

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**EVENTS**

EXHIBITS--*See INFORMATIONAL SERVICES*

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**FREEWAYS**

**GASOLINE TAXES**

**GRADE CROSSINGS, SEPARATIONS & INTERCHANGES**

GUARD RAILS--*See SAFETY*

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**HIGHWAY PLANNING & DESIGN**

**HISTORIC LANDMARKS & MONUMENTS**

HISTORY: PEOPLE, PLACES & HISTORIC EVENTS--*See also EVENTS*

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**Main Subject Headings**

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ORGANIZATION OF DEPARTMENTS--*See DEPARTMENT OF PUBLIC WORKS*

**OUTDOOR ADVERTISING**

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**VISTA POINTS**--*See* *REST STOPS & VISTA POINTS*  
**WORLD WAR II-RELATED**

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**List of Abbreviations:**

AAPT . . . . . Association of American Paving Technologies  
AASHO . . . . . American Association of State Highway Officials  
AISC . . . . . American Institute of Steel Construction  
APWA . . . . . American Public Works Association  
ARBA . . . . . American Road Builders Association  
ARWA . . . . . American Right-of-Way Association  
ASCE . . . . . American Society of Civil Engineers  
ASF . . . . . Automobile Safety Foundation  
BHIF . . . . . Better Highways Information Foundation  
BPR . . . . . Bureau of Public Roads  
CH & PW . . . . . California Highways and Public Works  
CHC . . . . . California Highway Commission  
CPUC . . . . . California Public Utilities Commission  
CTBA . . . . . California Toll Bridge Authority  
CSAA . . . . . California State Automobile Association  
DHE . . . . . District Highway Engineer  
DBTC . . . . . Division of Bay Toll Crossings [formerly DSFBTC]  
DSFBTC . . . . . Division of San Francisco Bay Toll Crossings  
DWR . . . . . Division of Water Resources  
FAS . . . . . Federal Aid Secondary [Highway Program]  
FHA . . . . . Federal Highway Administrator  
ITE . . . . . Institute of Traffic Engineers  
ITTE . . . . . Institute of Transportation and Traffic Engineering  
NAS . . . . . National Academy of Sciences; Naval Air Station  
NPA . . . . . National Production Authority  
NRC . . . . . National Research Council  
PCI . . . . . Prestressed Concrete Institute  
PVS . . . . . Professional and Vocational Standards  
PW . . . . . Public Works  
SP . . . . . Southern Pacific [Railroad]  
UOP . . . . . University of the Pacific  
WASHO . . . . . Western Association of State Highway Officials

Alt. . . . . Alternate  
Br. . . . . Bridge  
Bus. . . . . Business  
Fwy. . . . . Freeway  
Hwy. . . . . Highway  
Leg. Rt. . . . . Legislative Route  
Pkwy. . . . . Parkway  
Rrd. . . . . Railroad  
Rt. . . . . Route

**Key**

# . . . . . symbol for 'illustration'  
C, BC . . . . . Cover, Back Cover  
i.cvr. . . . . inner cover  
highway names/numbers in brackets . . . . . [denotes former route names/number]

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Marsh Rd. Br. (Santa Clara Co.) wins award for beauty	N/D '55 p19#
Orleans bridge (Humboldt Co.) wins national award	N/D '59 p25#
San Francisco-Oakland Bay Br.	N '41 p22#
wins ASCE "7 Civil Engineering Wonders of the U.S." award	M/A '58 p23#
S. Fork Eel River Br. at Dyerville (Humboldt Co.) wins award for beauty	N/D '59 p25#
California Safety Council Awards conference held	M/J '53 p51
Contracts, year's top ten honored	N/D '52 p48#; M/A '53 p54; M/J '53 p64#;
	M/J '54 p30#; M/J '55 p32; M/J '56 p49#; J/A '57 p25#; J/A '58 p48;
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Emmons Award [Association of Asphalt Paving Technologists]	M/A '55 p21
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	M/J '49 p33#; J/A '58 p54;
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Cypress St. Viaduct (I-880; Oakland) [Rt. 17] first of kind in state, under construction	J/F '57 p31#
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**Carquinez Toll Br.**

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Howard Griffin Memorial Br. (Mid-fork Smith River; Crescent City)	
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**Glenn Co.**

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George C. Cole Br. (US 101, S. Fork Eel River; Myers Flat)	
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Red Rock Canyon; bridge across main wash built (Rt. 14)	M/A '60 p47#
Rt. 58; Keene-Tehachapi Hwy., bridges built for	S/O '47 p10#; N/D '48 p41#
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**Kings Co.**

Kings River Br., Hardwick, proposed	M/A '47 p4
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Lakeport-Upper Lake relocation compels replacement of bridges	J/F '47 p21

**Los Angeles Co.**

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pretressed construction of; first of type in state	J/F '51 p58; M/A '51 p1#
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Compton Creek Br. under construction		N/D '52 p15
Del Amo Undercrossing under construction		N/D '52 p15
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Richardson Bay Br., plans for (US 101)	M/A '54 p25
Gov. Knight makes inspection of opened to traffic	N/D '54 p20# S/O '56 p31#
Richmond-San Rafael Br.-- <i>See Contra Costa Co.</i>	
San Rafael highway viaduct proposed (US 101)	Jul '40 p6#
progress on	D '40 p10#; Jul '41 p20#
dedicated	N '41 p14#
entirely completed	Jan '42 p5#

**Mariposa Co.**

six small bridge structures planned	M/A '47 p5
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**Mendocino Co.**

87 bridges replaced, eliminated or strengthened	S '39 p1#
Albion River bridge dedicated (Albion)	J/A '44 p4#
Alder Creek Br. (Rt. 1) [Leg. Rt. 56] replaced	J/F '47 p21#
Blue Slide Gulch bridge replaced (Rt. 1)	J/F '47 p21#
Bridges Creek Br. (US 101, Garberville) deck placement	Mar '39 p22#
Chamberlain Creek bridge planned	M/A '47 p5
Gualala Br. built; history of crossing (Rt. 1)	M/A '59 p18#
Hare Creek Br., (Rt. 1, Ft. Bragg) completed; dedicated to war veteran	N/D '48 p32#
Morrison Creek bridge planned	M/A '47 p5
Navarro River Br. (Rt. 1, Albion) nears completion	M/J '49 p32#
Noyo River Br. (Rt. 1, Ft. Bragg) proposed	J/F '47 p16
completed; dedicated to war veteran	N/D '48 p32#
posted bridges, replacement of	J/F '47 p20#
Rock Creek Br., emergency detour constructed	Jul '37 p16#
Rock Creek Br. (US 101, at junction with Eel River) planned	N/D '47 p32
completed; problems of construction	M/A '49 p52#
Russian Gulch Br. (Rt. 1, Ft. Bragg) opened	Jul '40 p20#; D '40 p19#
Schooner Gulch bridge built	Aug '41 p23#
Slick Rock Creek bridge replaced by culvert and fill (Rt. 1)	J/F '47 p21#
Ten Mile River Br. (Rt. 1, Ft. Bragg) dedicated	N/D '54 p22#

**Merced Co.**

Gustine Canal bridge replaced (Rt. 33)	M/J '54 p46#
Livingston Canal Br. (Atwater; Bellevue Rd.) replaced	M/A '64 p54
Bear Creek Br. replaced (Rt. 140)	M/J '54 p48#
San Luis Forebay channel, twin bridges built (Rt. 152)	J/A '65 p2#

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**BRIDGES, Continued**

**Monterey Co.**

Big Creek Br. (Rt. 1) built; unique design features of	Jul '38 p24#;	May '39 p8#
Bixby Arch (Rt. 1) [Leg. Rt. 56] built		Jul '37 p4#
Hot Springs Creek Br. (Rt., Big Sur) built		M/J '64 p52#
King City Br. (US 101, Salinas River) built		J/F '57 p26#
Neponset Br. (Rt. 156, Salinas River) built		S/O '44 p12
Rt. 1; timber bridges replaced; scenic bridges on route		M/A '63 p52
Salinas River Br. (US 101, near Nacimiento River) to be replaced		D '39 p8#
Soledad Br. (US 101, Salinas River) opened		N '38 p22#
parallel span planned		S/O '59 p34
completed		M/A '61 p52#
Tembladero Slough Br. built (Rt. 156)		S/O '44 p26
Vicente Creek Br. (Rt. 1) wins PCI award of merit		J/A '65 i.cvr.#
Willow Springs Creek Br. replaced (Rt. 1)		M/A '63 p52#
wins PCI award of merit		J/A '64 p7#

**Napa Co.**

Capell Valley Br. (Rt. 128, Monticello Dam) built		M/A '55 p17
Maxwell Br. (Rt. 29, Napa River) dedicated; history of project		N/D '49 p18#
nonskid grid-deck created with studs		M/J '65 p48#
Napa River Br. south of Napa planned		M/A '47 p5
Silverado Trail bridges (Silverado Trail Rd.) realigned		N/D '59 p27#
Soda Springs Creek Br. (Silverado Trail Rd.) planned		M/A '47 p5

**Nevada Co.**

Truckee River Br. wins design award I-80 [US 40]		N/D '60 p63#
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**Orange Co.**

Artesia St. bridges (Rt. 91) [Leg Rt. 175]		J/A '53 p11#
Santa Ana River Br. (Rt. 91 [Rt. 175], Riverside Fwy.) built		J/A '55 p52#

**Placer Co.**

N. Fork American River Br. replaced (Foresthil)		N/D '55 p20#
N. Fork American River Br. towers replaced (Rt. 49, Auburn)		M/J '44 p12#
replacement bridge built		M/A '48 p13#
S. Fork Yuba River Br. built (I-80, Cisco Grove)	J/A '63 i.cvr.;	S/O '63 p26

**Plumas Co.**

Hamilton Branch bridge planned		M/A '47 p5
Feather River [FAS] bridge under construction (Portola)		N/D '53 p12
Indian Creek Br. (Rt. 70, Keddie) receives award		N/D '55 p19#
Indian Creek bridge trusses repaired (Quincy)		M/J '44 p15#
Pulga steel arch bridge (Rt. 70) [US 40-Alt.]		J/A '45 p6
Rt. 70 (Feather River Hwy.) [US 40-Alt], bridges on		Aug '37 p4#
Wolf Creek Br. (Rt. 89 [Rt. 83], Greenville) replacement built		S '39 p14#

**Riverside Co.**

Chino Creek Br. (Rt. 71) [Prado Dam Hwy.] built		J/A '50 p52
Colorado River Br. (I-10 [US 60-70] Blythe) built		M/J '59 p45#
Crestmore Br. [FAS project] (Riverside) lengthened		J/A '58 p33#
Horsethief Creek Br. (I-15 [Rt. 77], Temescal Canyon) replaced		O '41 p12#
Santa Ana River bridge (Rt. 71) [Prado Dam Hwy.] built		J/A '50 p52#
Smoky Gulch Br., (I-10, Indio) prefabricated steel decking used		J/A '50 p26#
Whitewater River bridges (RT. 99; Garner-Thousand Palms) built		J/A '54 p56#

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**BRIDGES, Continued**

**Sacramento Co.**

Arcade Creek Br. under construction (at Madison Ave.)	M/A '47 p5
Bear Slough Br. under construction	M/A '47 p5#
Cosumnes River Br. built (Dillard Rd.)	M/A '65 p76#
Dry Creek Br. built (Galt)	O '38 p14#
Elvas Br., progress on (American River at 30th St.)	J/A '51 p28
completed	N/D '54 p14#
widening of planned	M/A '65 p59
Elvas Fwy., bridges built for (I-80) [US 99E]	N/D '54 p14#
Ft. Sutter Viaduct under construction (29th-30th St.; I-80)	N/D '64 p53#
Georgiana Slough Br. wins AISC prize (Walnut Grove)	J/F '64 p28#
Hazel Ave. bridge planned (American River, Nimbus)	M/J '65 p22
H Street Br. widened (American River, Sacramento)	J/A '51 p28
I Street Br., new approach dedicated (Sacramento)	O '37 p16#
Laguna Creek Br. built (Elk Grove)	M/A '47 p5#
Pioneer Memorial Br. (Sacramento River) [W-X Street Br.]	
construction begins on	M/A '63 p15
construction of superstructure planned	M/J '64 p65
progress on	S/O '64 p27#
Three Mile Slough Br. (Rt. 160 [Rt. 24], Rio Vista) built	S/O '49 p26#
Watt Avenue Br. (American River) built	S/O '61 p25#

**San Benito Co.**

Pajaro Br. to be built east of Watsonville	M/A '48 p36
Pajaro River Br. (US 101, Sargent) replaces old structure	Aug '41 p18#; Jan '42 p14#

**San Bernardino Co.**

Chino Creek Br. (Rt. 71) [Prado Dam Hwy.] built	J/A '50 p52
City Creek arch bridge (City Creek Rd., San Bernardino) built	M/A '48 p22#
City Creek Br. at E. 5th St. (San Bernardino) built	J/F '49 p32#
I-10 [US 70-99]; Ontario-Upland unit bridges built for	N/D '54 p7#
Mojave River Br. (Victorville Narrows, Rt. 18; Victorville) built	M/A '63 p50#
Needles; eight precast, prestressed bridges built (I-40) [US 66]	J/F '58 p56#
Red Rock Br. (I-40 [US 66], near Topock, AZ.) built	J/A '47 p20#
Santa Ana River bridge (Rt. 71) [Prado Dam Hwy.] built	J/A '50 p52#
Santa Ana River Br. (Waterman Ave., San Bernardino) planned	M/A '47 p6
built	J/F '49 p32#
Timoteo Creek Br. (San Bernardino) proposed	M/A '47 p6
built	J/F '49 p32#

**San Diego Co.**

Cabrillo Fwy., bridges built for (Rt. 163) [US 395]	M/A '46 p5#
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**Coronado Br.**

studies regarding authorized	S/O '61 p72;	J/A '62 p28
hearing on held		M/J '62 p62
plans for		S/O '62 p58#
test borings started		M/J '65 p16
Devil's Canyon Br. (I-8) [US 80] under construction		M/J '63 i.cvr.#
completed		J/F '64 p43#
wins AICS award for beauty		J/F '65 p40#
Green Valley Creek bridge (I-15) [US 395] built		N/D '50 p18
MacKinnon Ave. Overcrossing wins PCI award (I-5)		J/A '65 i.cvr.#
Penasquitos Creek Br. (I-15) [US 395] built		N/D '50 p18#
parallel span built		M/A '65 p64#
San Clemente Canyon Br. (I-15) [US 395] built		N/D '50 p18

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San Luis Rey River Br. (I-8) [US 80] to be widened		N/D '51 p34#
San Mateo Creek Br. (US 101) under construction	M/J '46 p22#;	M/J '47 p4#
Sweetwater River Br. (I-5) [US 101] built		J/F '51 p36#
Sweetwater River Br. (I-8, Descanso Junction) under construction		S/O '51 p38#
<b>San Francisco Co.</b>		
9th and 10th St. Viaduct judged best of its kind (Bayshore Fwy., US 101)		S/O '54 p32#
Embarcadero Fwy. Viaduct completed		M/A '59 p35#
<b>Golden Gate Br.</b>		
construction history of		S/O '50 p96
ready for dedication		May '37 p2#
Waldo Approach to-- <i>See ROUTES, Marin Co.</i>		
wartime fiscal problems of; State offers aid to		O '42 p13
Presidio Approach to-- <i>See ROUTES; TUNNELS, San Francisco Co.</i>		
described		J/A '45 p5
20th Anniversary of		M/J '57 p39
<b>San Francisco Bay Crossings, general</b>		
additional bridges urgently needed		M/A '63 p78
Angel Island crossing, S.F.-Marin Co. proposed		S/O '61 p5
<b>second/parallel Bay bridge proposed</b>		
estimated location, cost of		J/F '47 p1
pertinent facts concerning		J/F '47 p4
foundation exploration in San Francisco Bay		J/F '47 p8#
financing		S/O '47 p1
two new Bay crossings, approval for given		N/D '47 p1
problems of to be studied		M/A '48 p35
consultants for project hired		M/J '48 p18#
recommendations for location		N/D '48 p1#
parallel crossing of S.F. Bay ordered		M/A '49 p1
Purcell recommends twin bridges		M/A '49 p
parallel bridge endorsed by Gov. Warren		M/A '49 p57
<b>"Southern Crossing"</b>		
engineers' report to governor regarding		J/A '54 p45#
plans, engineering studies for		J/F '55 p31#
plans for approved by private consultant team		M/A '55 p57#
engineering and economical matters regarding		J/F '56 p32
experts report on financial feasibility of		N/D '56 p38#
all reports on ordered by CTBA		M/J '58 p48
Advisory Committee on named by governor		J/F '61 p37
<b>San Francisco-Oakland Bay Br.</b>		
accidents and	D '40 p26;	M/J '43 p11
Andrew, Charles E. made Bay Bridge Engineer		F '37 p18
anniversaries	N/D '44 p26; N/D '46 p3#;	N/D '56 p55#
twenty-fifth		N/D '61 p61#
construction history	F '37 p10#; N/D '44 p26; N/D '46 p3#;	
	S/O '50 p82#, p99;	N/D '56 p55#
description of		J/A '45 p6
emergency assistance on	Mar '37 p21; Mar '38 p24#;	J/F '46 p21#
service charge for refueling motorists on span introduced		M/A '46 p7
mobile radio system used for		J/A '47 p18#
financing-- <i>See BUDGETS, Bonds, Bay Br.</i>		
insurance for assured		Mar '42 p3
landscaping I-80 approaches to		D '39 p17#

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**BRIDGES San Francisco Co., Continued**

lane control signals on lower deck to be installed		M/A '54 p18
maintenance, costs of estimated		N/D '44 p1
maintenance operations		N/D '60 p60
named one of "7 Civil Engineering Wonders"	N/D '55 p29;	M/A '58 p23#
<b>painting</b>		
"air analyzer" used to test paint resistance		Apr '38 p23#
gantries used for	O '37 p22#; J/F '46 p5#;	S/O '61 p50#
history of		J/A '61 p5#
problems of		Apr '40 p18#
parking provided for motorists of		Jun '37 p25#
Port of Oakland Overhead, work on underway		D '37 p20#
alterations to planned		M/A '54 p18
Purcell, C. H. honored for work on bridge		Apr '37 p16
<b>railway system</b>		
"Building Bay Bridge Railroad"		May '38 p8#
interurban train platforms, construction begins on		Mar '37 p17#
first railway tie laid		D '37 p23#
nearing completion		Apr '38 p23
train movements controlled by push buttons		S '38 p 24#
first train across		O '38 p18#
railway terminal building dedicated		F '39 p6#
removal of rail tracks		J/A '60 p35
<b>reconstruction, conversion of to one-way per level</b>		
lower deck paved, rail system removed		J/A '60 p35#
upper deck strengthening operations	J/F '62 p36#;	M/J '63 p58
reconstruction nearing completion		M/A '64 p48#
<b>toll related</b>		
automatic toll machines	J/A '59 p7#;	M/J '60 p46
cat's whisker device used to prevent static	Mar '37 p27;	Ap '37 p21#
revenues of over five-year period		May '41 p1
toll collectors, problems of		J/A '46 p8
toll-free privileges clarified by new law		J/A '46 p28
toll plaza and approaches to be widened		M/A '54 p18
toll rates, reduction in	Jun '39 p1#; J '40 p19;	Jun '40 p22
trucks; per axle charge replaces tonnage-based toll		J/A '60 p62#
<b>traffic</b>		
annual statistics	D '37 p3; O '39 p23; N/D '62 p60;	N/D '63 p56
Golden Gate Exposition and		Jun '40 p20#
exceeds original estimates; second bay span proposed		J/F '47 p1
Key System strike, traffic problems on bridge during		M/A '54 p27#
monthly statistics published		Jun '37--F '42
one-way traffic established		M/A '64 p49
peak traffic creates problems		J/F '46 p21
traffic records set by	Jun '40 p20; S/O '58 p64;	M/J '64 p17
Treasure Island-Bay Bridge highway constructed		Jun '38 p22#
improvement of ramp connections planned		M/A '54 p18#
truck lane added to lower deck roadway		J/A '45 p26#
war effort and		N/D '44 p26
Yerba Buena Island, ramp connection to be improved		M/A '54 p17#
Yerba Buena Island tunnel-- <i>See TUNNELS</i>		

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**BRIDGES, Continued**

**San Joaquin Co.**

Austin Rd. overcrossing (Rt. 99; Ripon-Manteca) planned	N/D '53 p25
California Aqueduct twin bridges planned (I-5)	M/J '65 p15
Clements; posted bridge replaced (Mokelumne River, Rt. 88)	J/A '54 p36
Delta-Mendota Canal bridges (I-205) [US 50] under construction	M/A '53 p26#
Grant Line Canal Br. (Tracy Rd.) replacement planned	M/A '47 p6
double bascule span drawbridge built with FAS funds	J/F '60 p55#
wins design award	N/D '60 p63#
Jack Tone Rd. overcrossing (Rt. 99; Ripon-Manteca) planned	N/D '53 p25
Mokelumne River Br. (Peltier Rd.) planned	M/A '47 p6
completed	M/J '49 p24#
Mokelumne River Br. (Rt. 12, Lodi-Rio Vista) planned	Apr '41 p10
opened	S '42 p2#
Mormon Slough twin bridges (Rt. 99; Stockton)	M/A '50 p12#
Mossdale Br. (San Joaquin River, I-205/Rt. 120) planned	S/O '46 p19
Paradise Cut overflow bridge (Grant Line Rd./I-205) built	S/O '46 p19#
Rt. 99; Stockton expressway, highway bridges for	J/A '49 p30#
Stanislaus River Br. replaces flood-destroyed span	N/D '59 p26#

**San Luis Obispo Co.**

Arroyo Grande Creek twin bridges built (US 101)	S/O '59 p36#
Leffingwell Creek Br., corrosion-resistant paint tested	J/F '62 p26#; M/A '65 p60#
Salinas River Br., (US 101, Paso Robles) progress on	J/A '57 p5#
San Luis Obispo Creek bridge (US 101, Miles)	Aug '41 p10#
US 101; San Luis Obispo Bypass, bridges built for	J/A '53 p36#; S/O '54 p46#

**San Mateo Co.**

San Francisquito Br. [Alpine Rd. FAS project] built	J/A '51 p10#
Dumbarton Br. purchased by state	S/O '51 p11
legal/right of way problems and	N/D '54 p55
traffic on	M/J '61 p44; N/D '63 p56
Pescadero Creek Br. (Rt. 1) built	S '41 p4
San Gregorio Br. (Rt. 1) built	S '41 p4
San Mateo Creek Br. (I-280, Junipero Serra Fwy.) planned	M/J '64 p24#
design of	S/O '64 p38; M/J '65 p36

**San Mateo-Hayward Br.**

purchased by state	S/O '51 p11#
legal/right of way problems and	N/D '54 p55
widening of; fill work for begins	M/J '60 p71
mole fill construction planned	M/A '61 p71
traffic on	M/J '61 p44; N/D '62 p60; N/D '63 p56
trestle construction planned	M/J '61 p21; J/A '61 p51
double-decked structure to replace lift span	S/O '61 i.cvr.#
design of approved	J/F '62 p61
construction begins on	J/F '63 p25#
contract for substructure work awarded	J/A '63 p48
progress on; plans for	S/O '64 p65#
unique lighting planned for	J/F '65 p34
steel welds tested with radiography, ultrasonic waves	J/F '67 p11#
old span to be sold, removed	J/F '65 p30
Stanford University linear accelerator bridge planned	M/J '64 p40

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**Santa Barbara Co.**

Canada del Refugio Br. (US 101) built		O '41 p8#
<b>Cold Spring Canyon Br.</b> (Rt. 150, San Marcos Pass) built		S/O '63 p14#
engineer wins design award		S/O '64 p59#
wins AICS award for beauty		J/F '65 p40#
wins Governor's Design Award		J/F '67 p37#
Dos Pueblos Br. (US 101) built	O '41 p8#;	Mar '42 p10#
Eagle Creek Br. (US 101) built	O '41 p8#;	Mar '42 p10#
Huasna River Br. (Rt. 166, Cuyama Rd.) under construction		M/J '59 p17#
wins design award		N/D '60 p63#
Robinson Br. (Rt. 246 [Rt. 149], Santa Ynez River) opens		Jun '39 p22#
Rt. 166; Cuyama Rd. welded bridges built		S/O '58 p25
Santa Maria River twin bridges (US 101) built		J/F '63 p4#
Santa Ynez River Br (US 101, Buellton) built		J/A '65 p28#

**Santa Clara Co.**

Coyote Creek parallel bridges (I-880) [Rt. 17] built		J/F '53 p7#
I-880 [Rt. 17, Nimitz Fwy.], bridges built		J/F '53 p7
Marsh Rd. Overcrossing wins award for beauty (US 101)		N/D '59 p25#
Pajaro River Br. (US 101; Sargent) built	Aug '41 p18#;	Jan '42 p14#
Rt. 17; sidehill viaduct under construction		May '40 p10#
completed		S '40 p8#

**Santa Cruz Co.**

Corralitos Creek Br. (Watsonville) proposed		M/A '47 p7
Rt. 1; Rob Roy-Santa Cruz unit, 8 major bridges planned	M/J '47 p18;	N/D '49 p48
San Lorenzo River Br. replaces old span (Bear Creek Rd.)		J/A '54 p44#

**Shasta Co.**

Antler Br. (I-5) [US 99] to carry relocated portion of highway		Jan '40 p14
constructing progress on		Jan '41 p18#
completed		Aug '41 p1#
Bear Creek Br. (Dersch Rd.) [FAS Rt. 1350] built		J/A '66 p39
Cow Creek Br. (Dersch Rd.) [FAS Rt. 1350] built		J/A '66 p39
Dog Creek Br. (I-5) [US 99] replaced		J/F '57 p24#
Dry Creek Br., (Dersch Rd.) [FAS Rt. 1350] construction of		J/A '66 p39
Hatchet Creek Br. replaced by arch culvert (Rt. 299E)		M/A '60 p34
Lake Britton Br. (Forest Rt. 77; Mt. Shasta-Mt. Lassen Hwy.) built		May '40 p24#
Lower Lack Creek Br., (Dersch Rd.) [FAS Rt. 1350] construction of		J/A '66 p39
Montgomery Creek Br. (Rt. 299E) built		M/A '60 p34
Oak Run Creek Br. replaced by prefabricated railroad span (Rt. 44)		M/A '44 p19#
Pit River Br. (Forest Rt. 77; Mt. Shasta-Mt. Lassen Hwy.) built		May '40 p24#
<b>Pit River Br.</b> , contract awarded for (I-5) [US 99]		N '39 p16
plans for construction of		N '39 p4#
U.S., Southern Pacific Railroad to share operation of		Jul '41 p22
construction progress on	Mar '41 p14#;	O '41 p1#
last span erected		D '41 p12#
to open soon		F '42 p13
opened to traffic		F '43 p1#
described		J/A '45 p5#
Redding; SP Railroad overhead replaced (Rt. 299E)		N/D '59 p17
Sacramento River Br. (I-5, Redding) widened		J/F '62 p15
Sulphur Creek Br. (I-5) [US 99] built		Mar '38 p12#
Upper Lack Creek Br. (Dersch Rd.) [FAS Rt. 1350] built		J/A '66 p39
Whiskey Creek Br. built on relocated unit (Rt. 299E)		M/A '62 p33#

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**BRIDGES, Continued**

**Sierra Co.**

N. Fork Yuba River Br. to replace flood-damaged span J/A '63 p18  
Salmon Creek Br. (Rt. 49; Sierra-Bassetts) built M/J '65 p4#

**Siskiyou Co.**

Scott River Br. replaces washed-out span (Rt. 3; Ft. Jones) [Rt. 82] N/D '59 p55#

**Solano Co.**

**Benicia-Martinez Br.**

plans for J/A '58 p52  
bond sale authorized M/J '59 p13#  
construction begins on M/J '60 p35#  
progress on J/A '61 p18#; M/J '62 p33  
toll schedule adopted J/A '62 p28  
opened; dedication held S/O '62 p2#  
traffic on S/O '62 p35  
annual operations N/D '63 p55

Carquinez Br.--*See Contra Costa Co.*

**Napa River Br., Vallejo**

substructure work on replacement bridge completed J/A '63 p5#  
Putah Creek bridges (Dixon-Davis Cut-off) S '40 p26; F '41 p24#; O '42 p10#  
Rindler Creek Br. (I-80, American Canyon Rd.) [US 40]  
to be replaced by fill M/A '43 p16#

**Rio Vista Br. (Sacramento River)**

built J/F '46 p15#  
lift span replacement under construction J/A '59 p5#  
completed M/J '60 p51#  
closed temporarily due to lift span cable mishap J/F '63 p32  
merchant vessel carries away entire truss span J/F '67 p4#

**Sonoma Co.**

Austin Creek Br. under construction (Rt. 12) M/J '62 p30#  
Fife Creek Br. (Rt. 116; Guerneville-Northwood Park) O '39 p14  
Hulbert Creek Br. (Rt. 116; Guerneville-Northwood Park) O '39 p14  
Jimtown Br. (Russian River, Healdsburg Rd.) planned M/A '47 p7  
completed J/F '50 p54#  
Petaluma Creek Br. (US 101) under construction M/J '54 p38#  
completed M/J '55 p5#  
Petaluma Creek high-level bridge to replace draw-span (Rt. 37) M/A '58 p25#  
Rt. 12, Guerneville; sidehill viaducts under construction D '40 p6#  
Rt. 37 [Rt. 48]; Cloverdale-Navarro River  
several bridges replaced, reconstructed S '39 p2  
Russian River Br. under construction (Hacienda) M/A '47 p7#  
US 101 (Redwood Hwy.); 18 unsafe timber bridges eliminated D '40 p24

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M/A '61 p39; M/A '62 p64; S/O '62 p63; M/A '63 p69#; M/A '64 p63; M/A '65 p54#  
Los Angeles Co. Fair, Pomona; San Bernardino Fwy. and J/A '56 p38#  
Mexican Road Congress, California sends delegates to Apr '37 p24#  
Mineralogical Societies of State, Nation to meet M/J '49 p43#  
National Boy Scout Jamboree held in California S/O '53 p38#  
National Highway Week observed M/J '61 i.cvr.; M/A '62 p68;  
M/J '62 i.cvr.#; M/A '63 i.cvr.; J/A '63 p42#; J/A '64 p54;  
S/O '64 i.cvr.; M/J '65 p23; J/A '65 p31; S/O '65 i.cvr.#; J/A '66 p16#  
National Orange Show, San Bernardino M/A '47 p16#  
National Shade Tree Conference held J/A '46 p30#; M/J '49 p42  
Olympics, Winter 1960 (Squaw Valley, Nevada Co.) M/A '60 p35#  
Pasadena Diamond Jubilee; freeway exhibit displayed J/A '61 p66#  
Prestressed Concrete World Conference planned M/J '57 p39  
Public Works convention to be held J/A '52 p34  
Redwood Empire Assoc. annual convention N/D '55 p17; N/D '56 p21#  
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Safety Engineers Conference held S/O '65 p54#

**Visits to State**

Australia; highway official Dr. L.F. Loder M/A '54 p39#  
Brazil J/A '56 p65#; J/F '65 p62#  
Canada M/J '56 p72; M/J '61 p22#  
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engineers; foreign, out-of-state S/O '55 p51; J/F '60 p57#  
foreign bitumen experts to study California roads S/O '46 p32  
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Great Britain M/A '60 p65#; J/A '60 p68#; S/O '61 p69#; M/J '64 p64#

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Philippines	J/F '57 p36;	J/A '60 p68#
Rhodesia		S/O '56 p50#
Turkey	J/A '49 p60#;	S/O '51 p63#
U.S. Congressmen		J/F '61 p10#
U.S. House Public Works Committee	N/D '57 p3#;	J/F '62 p2#
<b>Western Association of State Highway Officials (WASHO)</b>		
annual meeting	Jun '40 p28; M/J '43 p18; M/A '52 p20;	
	M/A '64 p35; J/A '64 p18#;	M/A '65 p67
ARBA and to meet concurrently		F '39 p13#
Frank W. Clark's address; review of PW Program		Mar '39 p12
resolutions adopted by		Mar '39 p15#
30th annual meeting held		J/A '51 p31#
convention management praised		J/A '51 p42#
Gov. Warren's address a plea for safety		J/A '51 p36#
wives of delegates entertained		J/A '51 p52
meets with Assoc. General Contractors of America		J/A '49 p12
World Traffic Engineering Conference		M/J '61 p51
World's Fair 1939-40-- <i>See Golden Gate International Exposition</i>		

**FERRIES**

Army pontoon ferry used to cross Klamath River after 1964 flood		M/A '65 p18#
Butte City; state to provide ferry service during building of bridge		Mar '41 p12
Cache Slough (Rio Vista)		
Division of Highways puts new ferry in service		S/O '45 p25#
"Real McCoy" ferry becomes free-running	M/A '63 p74;	J/F '64 i.cvr.#
Carquinez Strait ferries, history of		J/F '57 p37
Ferries remaining in highway system, status of		M/J '52 p12#
Ferry operations, annual	N/D '61 p23;	N/D '62 p23
Gualala cable ferry (Mendocino Co.)		M/A '59 p18#
Martinez-Benicia Ferry		
cities take control of	D '40 p12#;	Jan '41 p15
Benicia-Martinez Br. and		M/J '60 i.cvr.#
service ends after opening of toll bridge		S/O '62 p5#
Richmond-San Rafael Ferry service to be discontinued		N/D '53 p4
ferry goes out of service		S/O '56 p14#
Terminal Island-San Pedro ferry "Islander" superseded by bridge		S/O '63 p6

**FLOODING**

**Damage Caused By**

**1937/38**

bridges, damage to heavy		Apr '38 p10#
disastrous winter floods cause \$8,000,000 damage		Apr '38 p1#
February storms wrought \$1,000,000 damage		Mar '37 p12#
torrential rain storms sweep state		Jan '38 p12#
Sacramento Valley flooded		Jan '38 p16#
levees saved		Mar '38 p2#
1939; flooding in desert country causes \$500,000 damage		O '39 p6#
1940		
floods cause catastrophic damage		Mar '40 p1#
state highways and bridges suffer damage from floods and slides		Apr '40 p5#

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**FLOODING Damage Caused By, Continued**

1941	storm damage will cost \$600,000 in maintenance funds	Mar '41 p1#
	2.5 million dollars storm damage in Feb. and March	Apr '41 p11#
1942;	Feather River flood does \$2,086,000 damage	Mar '42 p4#
1943	\$1,000,000 winter highway damage	M/J '43 p12#
	Five-day storm sweeps California	F '43 p14#
1945	flooding in Imperial Valley closes highways	S/O '45 p22#
	record storm hits Mojave-Lone Pine area	N/D '45 p24#
1946;	L.A. Aqueduct broken in earthquake, floods Rt. 14 [Rt. 23]	M/J '46 p30
1950;	storm, worst since 1937-38, causes \$3,400,000 damages	J/F '51 p28#
1953;	storm damage to highways in northern counties is \$1.5 million	M/A '53 p34#
<b>1955</b>	storm damage sets new record	J/F '56 p1#
	floods do property damage estimated at 200 million	J/F '56 p20#
	damage to bridges	J/F '56 p34#; S/O '59 p27#
	official records salvaged from flood-swept maintenance shop	M/A '56 p59#
	road restoration jobs in Dist. 1 flood areas	M/A '56 p53#
	Northern California; citizens repair damaged bridges	J/A '56 p57
	Trinity Co.; repair work near Vitzhums completed	M/J '57 p58#
1961;	slide causes flooding on US 101 (Mendocino Co.)	N/D '61 p26#
<b>1963</b>	annual	N/D '63 p26#
	rains in Sierra Co. cause damage to bridges and roads	J/F '63 p33#
	Sierra Co. Supervisors express thanks (1963 flood)	J/F '63 p32
	storm damage is \$4 million	M/A '63 p9
<b>1964</b>	Redwood Hwy. (US 101) flood damage	J/F '65 p2#; M/A '65 p14#
	flood damage elsewhere in state	J/F '65 p10#; M/A '65 p2#
	highway workers praised	M/A '65 p26#
	northwest roads, repair work nearly completed	M/J '65 p46#
	employees donate funds to fellow employee flood victims	M/J '65 p49#
	temporary gas tax to reconstruct roads ends	S/O '65 p48
1965;	Southern California storm damage	J/F '66 p31#
1966;	storm havoc in Dist. 6	J/F '67 p14#
<b>Flood Control--See also EROSION CONTROL</b>		
	Alameda Co., Hayward; Ward Creek earth fill dam planned	J/F '62 p63#
	Contra Costa Co.; Walnut Creek channel relocated	M/J '61 p76#
	Humboldt Co.; Eel River training jetties combat floods	N/D '45 p21#
	Los Angeles Co.	
	Burbank-Western Channel [L.A. Co. Flood Control Channel]	S/O '59 p18#
	Dominguez Channel improved	J/F '62 p50
	San Gabriel Dam flood control project, Los Angeles Co.	Aug '37 p8#
	Merced Co., Rt. 99; divided highway solves flood problem	Jul '39 p16#
	Modoc Co.; Tule Lake Reservoir saved by emergency construction	Jul '38 p22#
	Napa Co. Cooperative Drainage Project	M/A '61 p56#
	Sacramento Co.; 16 <sup>th</sup> St. Subway gets new flood gate	O '37 p27#
	Sacramento River Flood Control Projects, new survey of urged	Apr '40 p2#
	Santa Clara Co.; Guadalupe River channel improved	M/J '61 p74#
	Shasta reservoir operated for flood control	J/F '46 p6#
	Sonoma Co.; Healdsburg Cooperative Drainage Project	M/A '61 p56

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Emergency Flood Relief Law and	N/D '60 p35
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levee breaks on Sacramento River, emergency repairs to	Jun '40 p12#
Mariposa Co.; Rt. 140 (Yosemite All-Year Hwy.) storm damage repaired	Mar '39 p6#
Riverside Co.; Temescal Canyon highway rebuilt on new alignment	O '41 p12#
State speeds program to restore levees damaged in storm	Apr '40 p1#

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**By County**

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**Fresno Co.**

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**Kern Co.**

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**Los Angeles Co.**

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 Colorado Ave. grade separation (Santa Monica, Rt. 187/Rt. 1 junc.) Aug '39 p6  
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 plans for J/F '59 p29  
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I-110; Harbor Fwy., separations planned for	N/D '47 p17; N/D '49 p52#
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**Napa Co.**

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**Orange Co.**

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**Placer Co.**

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Roseville Underpass proposed	J/F '47 p12
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Willow Pass Rd.-Benicia-Martinez Br. unit completed M/J '63 p34#  
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**I-880 [Rt. 17]**

Richmond-San Rafael Br. approaches built S/O '56 p16; M/A '57 p15  
Pleasant Hill Rd. connection to Rt. 4 improved N/D '54 p27#  
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**Rt. 4; Industrial Hwy. [Arnold Industrial Hwy.]**

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BART construction planned on median strip		M/J '65 p31
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Bollinger Canyon Rd.-Rt. 24 junction routing planned		J/A '55 p29
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El Dorado-Clark's Corner unit to be realigned		D '37 p18#
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Meyers Grade-Echo Summit relocation underway		Aug '38 p4#
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Placerville; expressway through city planned		J/F '52 p32
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Placerville-Five-mile Terrace link improved		N/D '51 p22#
Pollock Pines-Camino Bypass completed		J/F '66 p32#
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completed; eliminates last 3-lane section on Rt. 99		J/A '60 p7#
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<b>Fresno-Kingsburg-Tulare Co. line unit</b>		
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S. Fresno-Selma [first] unit, paving construction		S/O '62 p24#
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<b>Bakersfield</b>		
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<b>Los Banos-Turlock Rd. [FAS Rt. 914], 17-mile road completed</b>	M/J '61 p43#
<b>Merced (city); G St.-Santa Fe Dr. improved</b>	J/A '66 p44#
<b>Rt. 99 [US 99; Rt. 4, Golden State Hwy.]</b>	
Atwater Bypass completed	J/F '58 p46#
Livingston-Atwater unit, construction of	M/A '49 p25#
Merced-Chowchilla divided highway under construction	O '41 p14#
Merced; divided approach to city opened	Jul '39 p16#;
Merced; Gerard Ave.-Buhach Rd. unit freeway completed	O '41 p14
progress on, general	J/A '64 p43#
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Rt. 140; Gustine-Merced Hwy., improvements made to M/J '54 p48#  
 Rt. 152 [Pacheco Pass Hwy.]  
 Los Banos; Pacheco Blvd. parking problem alleviated J/F '56 p46#  
 relocation around San Luis Reservoir underway M/A '63 p45#  
 completed J/A '65 p2#

**Modoc Co.**

highway projects, general J/F '57 p61; M/A '58 p6#  
 Surprise Valley Rd. improved M/J '47 p22#  
 Rt. 299 [Rt. 28]  
 Adin-Alturas expressway completed S/O '64 p11#  
 Alturas, approach to improved Mar '38 p12#  
 Alturas-Cedarville Rd.  
 Bonner Grade modernized; origin of route M/A '51 p39#  
 surfacing completed; plant-mix hauled long distance S/O '57 p26  
 Hot Creek-Alturas stretch completed May '38 p3  
 Rush Creek Canyon unit improved S/O '64 p11#  
 Susanville-Alturas Rd. improved M/J '56 p36#  
 US 395; Cedarville-New Pine Creek unit, progress on J/A '48 p29

**Mono Co.**

Bridgeport; Sweetwater Rd. [FAS Rt. 580] improved M/A '55 p40#  
 Bridgeport Wagon Rd. to be modernized S/O '53 p17#  
 Hawthorne; Pole Line Rd. modernized, dedicated N/D '57 p20#  
 Minarets Summit Rd. [FAS Rt. 1195] improved J/F '55 p41#  
 Rt. 89 [Markleeville-Coleville Hwy.]  
 Ebbetts Pass Hwy. (Alpine Co.)-US 395 junction unit  
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 Rt. 120; Tioga Pass Hwy. ["Great Sierra Wagon Road"]  
 completed; construction history of route Jul '41 p4#  
 US public land funds allocated for improvement of M/J '64 p67  
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 Rt. 203; Mammoth Lakes Hwy. completed D '37 p6#  
 Rt. 266 ["Oasis to state line"] becomes part of state highway system J/A '66 p34#  
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**Monterey Co.**

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Rt. 156; Castroville-Prunedale road improved		F '43 p18#
Del Monte Junction-US 101 [Leg. Rt. 2] unit completed		S/O '44 p10#
Rt. 198 [Sierra-to-Sea Hwy.]		
Mustang Ridge-Peachtree Valley unit realigned, dedicated		O '41 p4#
Rt. 183 [Leg. Rt. 118]; Salinas-Castroville Hwy., route adopted		J/F '62 p66
Toro Rd.-See Los Laureles Grade Rd.		
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Bradley-King City route via Jolon improved		M/A '43 p3#
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Bradley-San Ardo unit improved to freeway standards		M/J '65 p6#
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Chualar-Spence Underpass project completed; origin of route		J/F '52 p53#
Gilroy unit; improvement planned		J/A '54 p4
Gonzales-Chualar expressway completed		J/A '54 p4#
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Greenfield Bypass planned		J/A '58 p32
progress on		M/A '61 p52
Greenfield-King City expressway completed		S/O '58 p18#
improvement projects, general		J/A '58 p25#
King City; Canal St.-Salinas River unit improved		J/F '57 p26
Prunedale Cut-off		
Santa Rita-Crazy Horse Summit unit, widening underway		J/A '46 p6#
completed		J/A '47 p24#
Salinas area bottleneck eliminated		J/F '47 p30#
Salinas Bypass planned		M/J '52 p33
progress on	J/A '53 p38#;	J/A '54 p4#
Market St.-N. Main St. [first] unit opened		M/A '54 p35#
Salinas-King City route improved to freeway standards		M/A '61 p52
Soledad Bypass planned		J/A '58 p30
construction underway		S/O '59 p34
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<b>Napa Co.</b>		
access road projects, progress on		S/O '44 p8
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Rt. 29		
improvement projects planned	M/J '61 p19;	M/J '62 p19
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widening planned		M/J '63 p37
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Vallejo-Napa unit; military access road under construction		S/O '44 p8#
Yount Rd.-Oakville unit widened		M/J '64 p34
Yountville Bypass completed		M/A '60 p30#

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Rt. 121 [Rt. 37]  
 linked with Rt. 29 as controlled access freeway improvement near Sonoma Co. line underway project completed M/A '54 p8  
 Vichey Ave. widening project completed M/A '55 p15  
 Silverado Trail Rd. [FAS Rt. 607] improved M/A '56 p17  
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**Nevada Co.**

I-80 [US 40]  
 Soda Springs-Donner Summit units improved O '37 p1#  
 Donner Summit route, improvement underway J/A '48 p2#  
 Boca-Floristan-Nevada Co. line unit widening of planned S/O '56 p40#  
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 Truckee Bypass under construction J/A '59 p25  
 completed N/D '59 p2#  
 Hampshire Rocks-Soda Springs unit completed N/D '59 p2#  
 Rt.. 20-Hampshire Rocks unit, progress on M/A '63 p2#  
 completed J/F '65 p44#  
 freeway conversion, progress on N/D '59 p2#; J/F '62 p8#; M/A '63 p2#  
 Donner Summit; split-level roadway relocation underway M/A '63 p2#  
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 Emigrant Gap-Rt. 20 unit completed J/F '65 p44#  
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 Rt. 20 [Tahoe-Ukiah lateral], Parks Bar Bridge link completed S '37 p4#  
 Rt. 49; Mother Lode Hwy.  
 Auburn-Grass Valley unit realigned O '40 p20#  
 Grass Valley-Auburn highway improved M/J '49 p50#  
 Grass Valley-Nevada City unit, realignment planned J/A '52 p58  
 Nevada City-Downieville route improved M/J '46 p1#  
 Rt. 89 [Truckee-Quincy Hwy.]  
 Hobart Mills; relocation planned S/O '55 p43  
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 Rt. 267; Brockway-Truckee Shortcut  
 becomes part of state highway system M/A '66 p43#

**Orange Co.**

access roads built for war effort J/F '45 p2  
 arterial highways, financing of S/O '60 p17#  
 Brookhurst-Wright St. [FAS Rt. 747]  
 first section of arterial highway to beach completed M/J '52 p38#  
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 reconstruction completed S/O '64 p47#  
 Houston St. (Placentia) [Rt. 14; Houston Expressway]  
 Cypress Ave.-Santa Ana Cyn. Rd. unit dedicated J/A '56 p56#

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**I-5; Santa Ana Fwy. [US 101-By.]**

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Browning Ave. (Santa Ana)-1st St. (Tustin) unit	J/A '55 p51#
progress on, general	S/O '55 p12#; J/F '57 p7#; J/F '59 p30
Anaheim-Buena Park unit, progress on	J/F '58 p49#
Irvine (El Toro Rd.)-Laguna Canyon Rd. unit completed	J/A '58 p23#
final link completed	S/O '58 p13#
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**I-405; San Diego Fwy.**

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San Juan Capistrano unit under construction	J/F '58 p47#
San Clemente unit completed	N/D '58 p41#
San Juan Capistrano-San Clemente unit underway	J/F '60 p16#
completed	M/A '61 p18
Bolsa Chica Rd. unit under construction	M/A '62 p44
community benefits from	J/A '63 p21#
Costa Mesa; Beach Blvd.-Harbor Blvd. unit	
embankment construction to begin	M/A '64 p28
completed	J/F '67 p10
Katella Ave. divided highway dedicated; origin of name	S/O '62 p28#
Manchester-Firestone Boulevard [Rt. 42; Leg. Rt. 174]	
Anaheim unit dedicated; origin of route	May '37 p18#
projects budgeted, annual	N/D '63 p79; N/D '64 p79; N/D '65 p78; N/D '66 p37
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Huntington Beach-Newport Beach unit, widening planned	J/F '60 p14

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**Rt. 22; Garden Grove Fwy.**

name, routing for adopted	N/D '57 p56
progress on	J/F '59 p33; M/A '61 p8; M/A '63 p31#; M/A '65 p42
Los Cerritos Channel-Knott Ave. unit completed	J/F '60 p8
Knott Ave-Newland St. unit under construction	M/A '63 p31
progress on	M/A '64 p31#
completed	M/A '65 p42
Haster St.-Manchester Ave unit completed	M/A '65 p42
Rt. 39; Beach Blvd. [Rt. 171]; Buena Park unit realigned	Jan '43 p16#
Rt. 55 [Leg. Rt. 43]	
Costa Mesa; limited access freeway project completed	N/D '53 p44#
Newport Blvd. expressway completed (Costa Mesa)	N/D '53 p44
<b>Newport Fwy.</b> [Santa Ana Canyon Fwy.]	
name, routing for adopted	N/D '57 p56
plans for	J/F '59 p33
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Chapman Ave.-Santa Ana Fwy. unit under construction	M/A '61 p12
Santa Ana-Riverside Fwy. link opened	M/A '63 p35#
Warner Ave.-Bristol St./Palisades Rd. unit completed	J/F '67 p10
Newport overhead solves traffic problem	Jan '37 p6
Rt. 57; Orange Fwy.	
plans for	M/A '61 p12; M/A '63 p36; M/A '65 p44
Rt. 73 [Rt. 184; Corona Del Mar Fwy.]	
Santa Ana-Corona del Mar link underway	Jun '41 p22#
improvement of planned	M/A '61 p6
Rt. 90; Imperial Hwy. [Rt. 176]	
Yorba Linda unit opened	Aug '37 p30
Yorba Linda Blvd.-Riverside Fwy. unit	J/F '60 p11; M/A '61 p11
Orangethorpe Ave.-Yorba Linda Blvd unit completed	M/A '64 p35#
Rt. 91; Artesia-Riverside Fwy. [Houston Fwy., Rt. 175 Fwy.]	
progress on	J/A '55 p51#; J/F '57 p13
Fullerton-Anaheim [last] unit completed	J/F '60 p15#
Lemon St. (Fullerton)-Rt. 55 unit converted to freeway	J/F '67 p10#
Rt. 133; Laguna Canyon Rd. [Laguna Blvd., Rt. 185]	
Laguna Canyon section widened	S/O '52 p6#
freeway route adopted	M/A '58 p50
relocation job completed	J/A '58 p23#
progress on, general	J/F '59 p32; J/F '60 p11
Laguna-Santa Ana Fwy. unit improved	M/A '61 p12
Santa Ana Canyon Rd. [Rt. 18]; last link of completed	J/A '52 p36#
US 101; railroad finances realignment of Trabuco Creek Br. unit	F '42 p8#

**Placer Co.**

highway projects, general	J/A '58 p1#; J/A '59 p23#
I-80 [US 40, Leg. Rt. 37]	
Applegate-Auburn unit, improvement underway	J/A '49 p50#
project completed	M/A '51 p58#
extension east of Applegate planned	J/A '54 p6
Auburn; realignment west of Nevada St. underway	N/D '46 p8#
nearing completion	S/O '47 p13#
summary of project	S/O '48 p2
precast reflective curbs tested	J/A '55 p35#



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Baxter-Emigrant Gap, realignment underway		J/A '59 p24#
Colfax unit nearing completion		May '39 p18#
Colfax-Heather Glen widening project, progress on		J/A '57 p32#
completed, dedication held		J/A '58 p2
Magra-Monte Vista, freeway project underway		J/A '59 p24#
completed		N/D '59 p2#
Newcastle-Auburn (Elm St.) unit		
realignment nearing completion		N/D '57 p13#
completed, dedication held		J/A '58 p2
progress on, general	J/A '58 p1, 51;	N/D '59 p2#
Rocklin-Loomis unit, pavement replaced		O '37 p1
Roseville Fwy. [US 40-99E] relocation project proposed		S/O '47 p16
under construction		J/A '53 p43
progress on		J/A '54 p6#
Roseville-Newcastle unit planned		J/A '55 p28
progress on	S/O '56 p41#;	J/A '59 p24
completed		N/D '59 p2#
Rt. 49; Mother Lode Hwy. [Leg. Rt. 17]		
Auburn-American River Br. route improved, dedicated		N/D '53 p38#
Auburn-Grass Valley unit improved		M/J '49 p50
Grass Valley-Nevada City freeway planned		J/A '63 p52#
I-80 [US 40] junction; Auburn-Rock Creek units, progress on		S/O '47 p14
Rt. 65 [US 99E, Leg. Rt. 3], Roseville; realignment through city planned		J/F '47 p12
Rt. 96 [Mosquito Ridge Nat Forest Hwy.]		
Forest Hill unit under construction		N/D '46 p29#
<b>Plumas Co.</b>		
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<b>Rt. 70; Feather River Hwy.</b> [US 40-Alt.]		
dedicated		Aug '37 p1#
improvements made		Aug '42 p12#
construction history	J/A '45 p6;	S/O '50 p98
relocation of for Oroville Dam project--See Butte Co.		
Beckwourth Pass-US 395 unit improved; origin of route		S/O '53 p20#
Rt. 89 [Sierra Way]; Crescent Mills-Greenville link improved		Aug '42 p14
Rt. 147 [Rt. 183; Lake Almanor E. Side Rd.; Clear Creek Rd]		
becomes part of state highway system		S/O '61 p71
<b>Riverside Co.</b>		
Alessandro; "Jack Rabbit Trail" replaced by new I-10 [US 60-70] unit		Aug '37 p16#
Arlington-Mira Loma Expressway [FAS project] opened		M/J '55 p14#
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Banning; San Geronio Pass Fwy. unit completed		S/O '56 p32#
Banning-Palm Springs Jct. unit under construction		May '41 p10#
Beaumont-Redlands unit		
improvements made	Mar '38 p 8#;	M/J '50 p22#
expressway completed, history of route		M/J '51 p23#
Beaumont-Banning unit, improvements made	Mar '41 p18;	J/F '62 p13#
Box Springs-Badlands-Beaumont unit improved		Aug '37 p16#
Indio-Thousand Palms (Edom) unit		
improvement of planned		M/J '59 p45

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Corona-Elsinore unit (Temescal Canyon) realigned		O '41 p12#
Escondido freeway, progress on	N/D '58 p12;	M/J '59 p27
La Cadena freeway-Riverside unit		M/J '52 p3
modernization of planned		N/D '46 p18
Perris Bypass completed; history of region		J/F '54 p31#
Perris-March AFB unit, plans for		M/J '52 p5
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Temecula relocation; history of area	J/F '49 p33#;	M/J '52 p1
Temecula-Perris Cut-off under construction		M/J '52 p3#
<b>Mission Blvd.--See Rt. 60</b>		
projects budgeted, annual	N/D '63 p77; N/D '64 p78; N/D '65 p79;	N/D '66 p35
<b>Rt. 60 [Mission Blvd., US 60]</b>		
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Mira Loma-Riverside route under construction		J/A '46 p22#
Mira Loma-county line unit resurfaced for first time in 30 years		N/D '56 p49#
Moreno Badlands unit improved; dedication held		M/A '56 p22#
Riverside Bypass, Sunnyslope-Orange St. unit planned		M/J '61 p37
project completed		J/F '63 p36#
West Riverside; B St.-Rt. 60 junction unit completed [FAS project]		J/F '48 p4#
West Riverside unit improved		Apr '41 p6#
<b>Rt. 71 [Prado Dam Hwy.; Corona Fwy.]</b>		
Corona freeway, progress on	N/D '58 p13#;	M/J '59 p34#
Euclid Ave.-Rt. 91 [Rt. 18-91] junction relocation underway		J/F '50 p49
progress on; history of route		J/A '50 p50#
<b>Rt. 74 [Rt. 64, "Palms to Pines Hwy.]" completed</b>		N '40 p26#
<b>Rt. 86 [US 99, Rt. 26]; Garnet-Thousand Palms unit improved</b>		J/A '54 p56#
<b>Rt. 91 [Rt. 43; Rt. 18-91]</b>		
<b>Riverside Fwy.</b>		
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"missing link" unit under construction		M/J '59 p29#
dedicated		M/A '60 p3#
Riverside-Corona unit under construction		M/J '59 p29
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Corona Bypass completed		J/A '61 p27#
Santa Ana Canyon Hwy. section [Mountain-to-Sea Hwy.]		
Prado Dam project compels relocation of		Mar '39 p14#
Corona-Orange Co. line unit completed		F '40 p19#
Colton-Riverside link completed		N '39 p10#
<b>Rt. 111; Palm Springs-Rt. 86 [US 99] unit realigned</b>		Mar '40 p10#
<b>Rt. 371; Cahuilla Rd. [Rt. 277] becomes state highway</b>		S/O '61 p71
<b>Sacramento Co.</b>		
Bus-80 (Capitol City Fwy.) [I-880]		
Elvas Fwy. completed [US 99E]		N/D '54 p14#
dedication ceremony held		M/J '55 p10#
North Sacramento Fwy. [US 40-99E]		
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dedicated and opened		M/J '56 p29#
widening of planned		J/A '59 p23
<b>Dillard Rd. [FAS Rt. 1223] connection to Rt. 16 completed</b>		M/A '65 p76#

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Folsom Blvd. [US 50]		
34th St.-Brighton route adopted		S/O '62 p50
Brighton-Alder Creek highway project underway		N/D '57 p20
Folsom Blvd. widened near Perkins; dedication held		N/D '57 p20#
Folsom Bypass opened		N/D '49 p34#
Nimbus intersection improved		J/A '59 p26#
highway projects, general	J/A '58 p1#; J/A '59 p23#;	N/D '65 p15
I-80 routing adopted		M/J '61 p2
W-X St. Br. approaches [first unit] planned		M/A '63 p15
progress on		S/O '64 p27
Rt. 16; Jackson Hwy.		
Sloughhouse unit, realignment underway		S/O '48 p34#
Rt. 99 [US 50-99]		
Galt; freeway conversion underway		S/O '56 p55
Galt-Dry Creek unit, realignment planned		S '37 p25
completed		O '38 p14#
South Sacramento Fwy., plans for	S/O '54 p5;	M/A '56 p37
completed; supersedes Stockton Blvd. route		J/F '62 p16#
Rt. 160 [Rt. 24; River Road]		
history of in relation to national Victory Hwy. (I-80) [US 40]		M/J '56 p38
Sacramento Freeway System		
drainage system designed for		J/A '65 p22#
model of exhibited		M/A '64 p59#
status of		S/O '64 p27#
Stockton Blvd. [US 50-99]		
Elk Grove Rd.-Florin Rd. unit improved to freeway standards		M/A '56 p37
San Joaquin Co. line-Cosumnes River unit, widening planned		M/A '56 p37
Cosumnes River-Elk Grove Rd. unit, widening planned		M/A '56 p37
superseded by S. Sacramento Fwy. (Rt. 99)		J/F '62 p16#
Watt Ave.; Fair Oaks Blvd.-Folsom Blvd. [US 50] extension completed		S/O '61 p25#
<b>San Benito Co.</b>		
Rt. 25 [Rt. 119]; Pinnacles Hwy., Tres Pinos-Paicines unit opened		Aug '38 p10#
US 101/Rt. 156 intersection improved	Jan '38 p6#;	S/O '59 p31
US 101 [Rt. 2; Coast Hwy., El Camino Real]		
Pajaro River-Sargent realignment completed		Aug '41 p18#
<b>San Bernardino Co.</b>		
Archibald Ave. improved at Valley Blvd.		J/F '49 p32#
Barton Rd. [Pigeon Pass Rd.; FAS Rt. 714]		
improvement completed		J/F '50 p42#
origin of name		M/A '50 p33
Barton Rd.-Washington St. widening completed		J/F '61 p54#
Bloomington Diagonal [Colton-Onterio Fwy.]		
FAS improvement project completed		J/F '49 p32
City Creek Hwy. [City Creek Rd. alt. highway]		
Highland Ave.-old City Creek Br.-Plunge Creek unit		
under construction		M/A '48 p14#
E. 5th St. improved		J/F '49 p32#
Etiwanda Ave. improved		J/F '49 p32#
Patton-City Creek Br. unit under construction		J/A '46 p22
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Redlands; east city limits unit reconstructed [US 99]	J/A '46 p22#;	M/A '47 p10#
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Baker Bypass completed; construction history of route		S/O '65 p15#
Baker Grade unit improved to freeway standards		S/O '61 p2#
Baker-Nevada state line unit improved		J/F '64 p53#
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**San Mateo Co.**

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Lompoc-Santa Maria section improved	J/F '67 p33#
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Buellton Bypass completed	J/A '65 p28#
Buellton widening projects	S/O '48 p38#; S/O '58 p22#
Buellton-Rt. 150 intersection unit, expressway completed	S/O '59 p34#
Carpinteria Fwy.; Carpinteria-Ortega Hill unit, progress on	M/J '52 p31
opened to traffic	M/A '55 p42
El Capitan Creek unit, reconstruction underway	Jun '40 p8#

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**Gaviota Pass--See also TUNNELS**

Nojoqui Canyon-Buelton route, construction underway	O '38 p22#
Gaviota Pass-Santa Ynez River unit completed	Jun '39 p8#
Gaviota Gorge-Nojoqui Summit unit, widening underway	M/A '51 p6#
progress on	M/J '52 p32; J/A '54 p3
expressway built	J/A '56 p60#
Goleta; El Sueno Rd.-Elwood Station widening completed	M/J '62 p34#
Los Alamos Bypass built	S/O '58 p17#
Montecito; Miramar Ave-Olive Mill Rd. unit opened	Jan '38 p2#
Montecito Pkwy (Santa Barbara-Summerland)	
Sheffield Dr.-San Ysidro Rd. unit completed	M/J '48 p9#
Arroyo Parida-Ortega Hill unit under construction	N/D '51 p54#
Orella-Canada del Refugio unit under construction	O '41 p8#
completed	Mar '42 p10#
Ortega Hill section, improvements made	J/F '57 p19
Park Place-Rancheria St. unit completed	J/F '49 p27#
progress on, general	N/D '48 p34; J/F '57 p19#
San Marcos Pass Hwy.; improvement underway	J/A '55 p44#
Santa Barbara; De La Vina-Montecito St.-Pueblo St. unit improved	M/A '64 p2#
Santa Barbara-Tecolote Canyon route relocated	M/A '47 p21#
Santa Maria Bypass planned	S/O '59 p34
completed	J/F '63 p4#
Tecolote Creek-Las Varas Creek reconstruction underway	O '41 p8#
completed	Mar '42 p10
Vandenburg AFB road improved to modern freeway standards	J/F '67 p33#

**Santa Clara Co.**

Almaden FAS Expressway, San Jose; first unit of completed	S/O '60 p34#
Gilroy; Monterey St. improvement completed and dedicated	M/J '55 p36#
highway construction program approved	M/A '61 p66
highway projects, general	M/A '54 p1; M/A '55 p1; M/A '56 p1;
M/A '57 p1; M/A '58 p1; M/A '59 p1; M/A '60 p13; M/J '61 p3;	
M/J '62 p24#; M/J '63 p42#; M/J '64 p42;	M/J '65 p38#

**I-280; Junipero Serra Fwy.**

plans for	M/A '57 p7; M/A '59 p15; M/A '60 p25;	J/F '62 p19#
Forest Ave.-Doyle Ave. (San Jose) [first unit] underway		M/J '63 p42
completed		M/J '64 p42
Rt. 17-Saratoga Ave. (San Jose) unit completed		M/J '64 p42
progress on, general	M/J '64 p42; S/O '64 p33#;	M/J '65 p38
design of stresses aesthetics		S/O '64 p33
Saratoga Ave.-Stelling Rd. (Cupertino) unit completed		M/J '65 p38
Rt. 1; Waddell Bluffs unit completed		S/O '48 p8#
Rt. 9; Alviso Bypass under construction		M/A '57 p8
Cupertino-Mountain View section to be replaced		M/J '63 p43
Oak Place-Azule unit, widening planned		M/J '64 p45
Saratoga-Sunnyvale unit widened		M/J '63 p43

**Rt. 17, Los Gatos-Santa Cruz Hwy. [Rt. 5]**

Scott's Valley link completed	Apr '37 p2#
Oaks Road-Inspiration Point unit, realignment proposed	N '37 p22
construction underway	Jun '38 p4#
retrospective of project	O '38 p4#
dedicated	Jul '39 p24#
Frank W. Clark's dedicatory address	Jul '39 p25#

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Oaks Road-Los Gatos [final] unit under construction		May '40 p10
dedicated		S '40 p8#
construction history	J/A '45 p7;	S/O '50 p100
Los Gatos Bypass planned		M/A '54 p14
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Charles St. connection dedicated		M/J '57 p47#
San Jose-Los Gatos widening completed		J/A '59 p2
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freeway connections to, plans for		M/J '64 p43
<b>Rt. 82 [US 101*]</b>		
Bay Shore Hwy.; San Jose-Agnew Underpass [final] unit dedicated		Jul '37 p19#
Coyote-Morgan Hill-Llagas Creek unit widened		Aug '38 p16#
Gilroy divided highway improvements	Jan '42 p14#;	M/J '52 p33
Gilroy-San Jose freeway route adopted		M/J '61 p2
Gilroy-Sargent unit widening completed		M/A '54 p13
Pajaro River-Sargent realignment completed		Aug '41 p18#
history of new location		Jan '42 p14#
Palo Alto; University Ave.-Matadero Creek unit widened		M/J '63 p43#
San Jose Bypass	N/D '48 p34; M/A '54 p13;	M/A '56 p15
San Jose; Ford Rd.-Curtner Ave. unit widened		M/J '65 p39
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San Jose; Ford Rd.-Curtner Ave unit, widening planned		M/J '64 p43
<b>Rt. 85; Stevens Creek Fwy.</b>		
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Pacheco Pass Hwy. realignment planned; history of route		F '39 p10#
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San Luis Reservoir relocation, progress on		M/A '63 p45#
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<b>San Jose</b>		
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Fourth St.-13th St. unit to become freeway		M/A '51 p28
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[\*In 1964 US 101-By became US 101 (Bayshore Fwy.); US 101 became Rt. 82]

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Montgomery Creek Double Loop improvement planned		S/O '55 p56
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Carquinez Bridge-Cordelia unit, sections of widened		D '41 p10#
Cordelia Underpass-Ledgewood Creek unit improvement underway		N/D '50 p44#
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Dixon-Davis realignment underway		Mar '40 p13
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Fairfield-Vacaville unit; Travis Blvd. widened		M/J '63 p9#
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Vacaville		
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I-505; Vacaville-Dunnigan Cut-off officially dedicated		S/O '47 p27
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Luther Burbank Memorial Hwy. dedicated		N '41 p14
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Rt. 37 [Black Point Cut-off]		
junction with Sears Point Cut-off [Rt. 48] improved		J/A '50 p40#
improved as freeway		M/A '54 p7
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US 101; Redwood Hwy.		
Asti Bypass under construction		M/J '63 p47
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Healdsburg Bypass completed		M/A '60
Ignacio-Petaluma route, widening operations on		J/A '46 p14#
Marin-Sonoma Hwy.; San Rafael-Novato-Petaluma unit dedicated		S/O '47 p5#
Petaluma Bypass under construction		M/J '54 p38
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completed		M/A '57 p18#
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Wilfred-Santa Rosa Bypass unit widened; dedication held		N/D '57 p27
Windsor-Healdsburg freeway project underway		M/J '62 p29
completed		M/A '63 p65#
Valley Ford-Bodega Bay Hwy. [FAS Rt. 777]		
modernized; becomes part of state highway system		M/J '57 p5#
<b>Stanislaus Co.</b>		
Carpenter Rd. FAS project completed		J/F '64 p35
East Modesto Rd. [FAS Rt. 1226]		
improvement project completed		S/O '58 p29#
traffic increase compels intersection project		M/J '62 p7
FAS Rt. 912 paralleling 9th St. (Rt. 99) completed		N/D '48 p18#
Grayson Rd. FAS project completed		J/F '64 p35
Greer Rd. [FAS Rt. 914]; Turlock-Oakdale unit improved		M/J '61 p67#
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I-5 [Westside Fwy.]		
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Modesto-Salida divided highway completed	May '39 p6#;	O '41 p14
Modesto-Ripon expressway completed		S/O '54 p3
Modesto-Ceres Fwy. bypass under construction		S/O '63 p39#
completed		S/O '65 p6#
Rt. 108 [Leg. Rt. 109]; McHenry Ave., Modesto widened		M/J '60 p58#
Rt. 120 relocated east of Oakdale		J/A '58 p20#
Rt. 132 (Yosemite Ave.)-Vista-Snowden Ave.		
Modesto; channelized intersection FAS project completed		M/J '62 p7#

**Sutter Co.**

Drescher Blvd. [FAS road] improved		J/A '59 p42#
El Centro Blvd. [FAS Rt. 926], improvements underway		M/A '50 p48#
FAS program completed		J/A '59 p42#
highway projects, general		J/A '59 p23
repair construction work completed		S/O '45 p28
Rt. 20 [Tahoe-Ukiah Hwy.]; Sutter bypass completed		N '38 p12#
Rt. 70-99; site of frequent accidents improved		S/O '65 p18
RT. 99 [US 99E]; Marysville-Yuba City route		
Feather River Br. approach, realignment underway		S/O '46 p25

**Tehama Co.**

Aramayo Way [FAS project]		
Los Molinos-Gerber unit improved, named for engineer		J/A '59 p56
highway projects, general	J/F '57 p61; M/A '58 p6;	N/D '59 p12
I-5 [US 99, Pacific Hwy.]		
Red Bluff-Cottonwood unit opened		J/F '65 p35#
Redding-Red Bluff Hwy.		
Red Bluff; relocation work underway		O '40 p16#
completed		Mar '41 p16#
progress on, history of project		S/O '51 p8#
Rt. 36		
Button Canyon; Tedoc Rd.-Dry Creek realignment planned		M/J '55 p38
improvements made to, general		N/D '59 p18#
new highway dedicated; 11 fords eliminated		N/D '57 p53#
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**Trinity Co.**

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relocation compelled by Trinity Dam		M/A '60 p45#
Rt. 299W [Trinity Lateral]		
Sayler-Burnt Ranch improvement underway; history of route		J/A '47 p14#
Vitzhums-Tom Lang Gulch unit improved		M/J '57 p58
Weaverville-Douglas City project underway; history of area		N/D '53 p27#
project completed		M/J '57 p58
Weaverville-Helena section improved		M/J '57 p58#
Weaverville-Junction City Hwy.; cut through Oregon Mt. completed		Aug '39 p2#

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**Tulare Co.**

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Ducor Cut-Off; Thermal School-Ducor unit completed	Jul '40 p22#
Exeter-Venida Substation unit completed	Aug '39 p25#
Porterville link opens	Jul '38 p8#
relocation project underway	S/O '54 p31
Strathmore-Cairns Corner link realigned	S '37p12#
Rt. 99 [US 99]	
Earlimart Bypass constructed	S/O '58 p38#
highway projects, general	S/O '48 p29
Pixley-Tulare Airport freeway unit completed	J/F '63 p40#
Tipton Bypass constructed	S/O '58 p38#
Tulare Bypass dedicated	J/F '54 p17#
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relocation compelled by Success Dam	S/O '58 p41#; S/O '59 p10#
trans-Sierra route adopted; scenic aspects of region	M/A '66 p20#
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Terminus Dam compels relocation of	S/O '59 p55
Tulare; Cherry Ave. improved by city	J/F '52 p42#

**Tuolumne Co.**

Rt. 108 [Leg Rt. 13; Sonora Pass Hwy.]	
freeway routing adopted	J/A '60 p70
Jamestown relocation completed	S '41 p18#
Twain Harte Grade improvement completed	J/F '64 p22#
Rt. 120 [Leg. Rt. 40]; Big Oak Flat Hwy.	
Priests Grade; Moccasin Creek-Priests unit completed	M/J '54 p40#
Tuolumne-Sonora Rd. [FAS Rt. 954] improved	M/A '58 p22#

**Ventura Co.**

access roads built for war effort	J/F '45 p2
highway projects, general	S/O '62 p36#; N/D '64 p18
Rt. 1; Pacific Coast Hwy. [US 101-Alt; Leg. Rt. 60]	
Little Sycamore Canyon-L.A. Co. line unit completed	M/J '55 p33#
Point Mugu unit reconstructed	O '40 p12#
Oxnard-Calleguas Creek unit improved to freeway standards	J/F '60 p14
Oxnard Bypass planned	M/A '61 p14
Rt. 23; Moorpark Fwy., plans for	S/O '62 p46; M/A '65 p44
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Davis, Earl David [obit]	M/J '45 p26#
Deady, Wayne J. [obit]	J/A '57 p13
Deffebach, Richard; promoted	J/F '63 p43#
De Haven, Harry W. [obit]	J/F '50 p51
Dekema, Jacob; promoted	S/O '55 p51#; J/A '62 p35#
Delaney, Ralph E.C. [obit]	J/A '53 p38
Dennis, T.H.; retires	S/O '49 p24#
Deuel, Norman B. [obit]	J/F '64 p59
Devine, Patrick; retires	M/J '63 p58
Dobbins, William E. [obit]	M/A '46 p29
Dobrotin, Michael N. [obit]	J/A '52 p8
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Drew, Eldridge D.; retires	M/J '64 p68#
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Dudman, Arthur F.; promoted	N/D '59 p21#
Duffy, Raymond P.; retires	S/O '55 p45#
Dunckhorst, Paul; retires	J/F '54 p50#
Dunham, Neil; first computer systems engineer	M/A '64 p69#
Dunn, Ruth K. [obit]	J/A '50 p54

**Durkee, Frank B.**

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Elliott, A.L.; promoted	S/O '53 p49#
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Moore, John D.; retires	M/J '54 p62#
Morgan, John P.; retires	M/A '62 p79#
Morton, Oliver L.; retires	Mar '41 p16
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Murphy, John P.; promoted	M/A '57 p48; S/O '57 p38#; J/F '60 p2#
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Murray, Myrtle V. [obit]	D '41 p17#
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Muse, Edward M. [obit]	J/F '44 p13
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**Nash, A.M.**

made District Engineer, Dist. 1	S '42 p18#
returns to headquarters in Sacramento	J/F '46 p20
promoted	S/O '52 p25#
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Nelson, Myron F. ("Mique"); retires	S/O '62 p59
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<b>Nickerson, Merrit R.</b> [Division of Hwys. photographer]	
gets 25-year service pin	M/J '55 p39#
retires	J/A '60 p54#
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Norris, Harry B.; wins prize in photography	M/J '55 p35
Norton, Harold P.; retires	M/A '52 p26#
Nulty, Addison King [obit]	M/J '55 p30
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O'Connell, Thomas S. [obit]	N '37 p23
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**Tudor, Ralph A.**

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Van Leeuwen, E.G.; retires	J/A '56 p67
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Van Stan, Robert W.; retires	J/F '61 p75#
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**Vickrey, J.W.**

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elected WASHO president	M/J '61 p31; N/D '61 p6
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 J/F--S/O '63; J/F--S/O '64; J/F--S/O '65

**Retirements** published N/D '58; M/J '59; N/D '59; J/F--S/O '60;  
 J/F--S/O '61; M/A--J/A '62; J/F--M/A, J/A '63--S/O '63; J/F--S/O '64; J/F--S/O '65

**Twenty-Five-year Service Award Recipients** published M/A '51;  
 S/O '51; N/D '52; M/J '53; S/O '53; J/F '54; M/J '54; S/O--N/D '54;  
 M/A--N/D '55; M/A--M/J '56; S/O--N/D '56; J/F--M/J '57; M/J--N/D '58;  
 M/A '59; J/A '59; J/F '60; M/J '60--S/O '60; J/F '61--S/O '61; M/A--J/A '62;  
 M/J--J/A '62; J/F--M/A '63; J/A '63; J/F '64; M/J '64; J/F '65; J/F '66

**PEOPLE--Non Employees**

Armstrong, Ellis L.; heads BHIF M/A '61 p77

Booe, Floyd O.; conducts ARBA survey N/D '47 p32

Brown, Elbert C. [U.S. BPR]; retires M/A '57 p72#

Bugge, William A. [Washington State]; made president of AASHO J/F '57 p51#  
 elected chairman, Highway Research Board J/F '61 p75

Burns, Senator Michael J. [co-author, Collier-Burns Hwy. Bill] [obit] M/J '49 p64  
 freeway named in memory of (Humboldt Co.) N/D '54 p37#; S/O '55 p25#

Caldecott, Thomas E.; Broadway Tunnel renamed in honor of S/O '60 p60

Camarillo, Don Adolfo; Camarillo Fwy. dedication (Ventura Co.) and S/O '53 p26#

**California Highway Commission**

Baker, Harrison R.; appointed S/O '43 p5#

Ballou, Walter T.; made Secretary O '40 p19#

Barrett, Lawrence; appointed Apr '39 p8#

Bishop, Robert L.; appointed J/F '56 p33#  
 speaks on public right to know N/D '57 p54

Bozzani, Amerigo; appointed Apr '39 p8#

Bronson, John O.; appointed M/A '58 p51#

Brown, Homer P.; appointed S/O '43 p4#  
 [obit] N/D '52 p47

Chambers, Frank A.; named Secretary J/F '59 p13#

Chambers, Walter; named Secretary Aug '40 p20#

Chase, H. Stephen; appointed N/D '51 p21#; J/F '55 p65#

Cooper, Jack; named Secretary N/D '59 p19#

Cristina, Vernon J.; appointed J/F '67 p13#

Darlington, Newell Dyke [member of original CHC]; recollections of M/J '56 p47#  
 [obit] J/F '61 p72

Erreca, John; appointed J/F '61 p37#

Fratessa, Paul F. [attorney for CHC] [obit] M/A '52 p64

**Guthrie, James A.**

appointed CHC S/O '43 p4#;  
 honored by San Bernadino (city) J/F '57 p43#  
 reappointed J/F '61 p37#; M/A '65 p67#  
 [obit] S/O '66 p40#

Heller, Alfred E.; appointed J/A '64 p21#

Hitchcock, L.G.; appointed Apr '39 p8#

Houghteling, Joseph C.; appointed J/F '65 p24#

Jennings, Fred C.; appointed J/F '67 p12#

Kennedy, Rolland Cashel (Cass); appointed Secretary N/D '50 p54#  
 [obit] J/F '62 p79

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**CHC, Continued**

Kofman, Abraham; appointed made Vice-chairman	S/O '61 p5#;	M/A '64 p35# J/A '64 p61
Lee, Moon Lim; appointed		J/F '67 p13#
Leigh, Charles Thompson; appointed		M/J '49 p56#
Luce, Gordon C.; appointed		J/F '67 p12#
Luddy, Arthur T.; appointed resigns		J/F '63 p17# J/A '64 p61
McClure, Robert E.; appointed	J/F '54 p45#;	J/F '58 p24#
Maghetti, C.A.; appointed		J/F '55 p59#
Martin, Ben D.; named Secretary		S/O '58 p6
past members, lists of	S/O '50 p75; N/D '60 p4; N/D '61 p4; N/D '62 p4;	N/D '63 p4
Nielsen, Iener W.; appointed		Apr '39 p9#
Payne, Franklin S.; appointed		J/F '62 p2#
Penfield, L.L.; made Secretary		Jul '42 p18#
Purchio, John L.; appointed becomes judge		J/F '60 p46# S/O '61 p5
Sandelin, Walter F. appointed	S/O '43 p5#;	J/F '52 p35
Savage, George W.; appointed [obit]	J/F '48 p33#;	S/O '49 p30# S/O '61 p95
Scott, Byron N.; appointed Secretary		Apr '39 p9#
Smith, Arnholt C.; appointed	S/O '43 p4#;	M/A '49 p58
Speers, Fred W.; appointed		J/F '55 p65#
Vaughn, Bert L.; appointed		Apr '39 p9#
<b>Warlow, Chester H.</b> appointed elected Vice Chairman honored for "Years of Devoted Service" [obit]	S/O '43 p5#;	J/F '57 p43# M/A '58 p50 J/A '58 p47# J/F '64 p36
Whitehurst, William S.; reappointed		M/A '65 p67#
Woolley, Roger S.; appointed elected vice-chairman	M/A '59 p33#;	J/F '63 p17# J/F '65 p24
Craemer, Justus F. [CPUC] retires		N/D '56 p43
Davis, J.A. [Auto. Club of S. California counsel] retires		J/A '59 p52
East, E.E. [Auto. Club of S. California Chief Engineer]; retires [obit]		J/A '57 p22 N/D '57 p56
Ellis, James W.; teen appointed mock Director of PW		J/A '56 p66#
Evans, Don G. [veteran engineer]; made Asphalt Institute Dist. Engineer.		J/A '55 p63
Graham, John R. [pioneer roadbuilder] [obit]		M/J '55 p39
Hadley, George C. [L.A. Deputy Chief Council] retires		J/F '64 p27#
Hale, Hal H. [AASHO] resigns		N/D '54 p33
Hendee, Clare; named Assistant Chief of Forest Service		S/O '55 p31
Heslep, Edward A.; named aid to Bridge Authority		M/J '59 p44
Hewes, Dr. L.I. [veteran road builder] [obit]		M/A '50 p33
Hislop, John K.; gets post with state Chamber of Commerce		N/D '51 p35

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Donner party survivors	M/J '46 p5#
Fremont, John C.; Gaviota Pass and	S/O '50 p42#;
Marlette, S.H. (first Surveyor General)	M/A '51 p6
Serra, Junipero	S/O '50 p69#
	S/O '50 p3#
Hoberg, George; California Safety Council president	M/J '53 p51#
Johnson, Alfred E.; assumes post with AASHO	J/F '55 p59#
Judah, H. Ray [former State Senator] [obit]	M/J '60 p68
Kelleher, Dennis J. [Bay Bridge employee] [obit]	S/O '56 p54
Knudsen, Mrs. Valley M.; Los Angeles Beautiful founder	J/F '67 p46#
MacDonald, Thomas H. [U.S. BPR] [obit]	M/J '57 p19
MacLachlan, Kenneth A. [pioneer highway economist]; retires	M/J '58 p47#
Mattson, Joe O.; named president ASF	N/D '53 p49
McCormack, Sen. Thomas [good roads leader] [obit]	S/O '49 p57
Merrill, Gen. Frank D.; dies two days after election to AASHO	J/F '56 p53#
Mickle, D. Grant; appointed Deputy FHA	J/F '62 p15
named director, NAS-NRC	J/F '64 p21
Monahan, Robert M.; named BHIF executive	M/A '62 p10
Moore, Edwin S.; elected secretary and general manager of CSAA	N/D '53 p55#
Morrissey, N.J.; named State Director of PVS	N/D '53 p63#
Morrison, D.L. [project manager for Guy F. Atkinson Co.] [obit]	J/F '54 p18
O'Neill, J.E.; elected head of AAA	N/D '51 p58#
Penn, Hamilton P. [Portland, Oregon]; sudden death of	J/F '46 p14
Pegram, Reginald B.; made L.A. Deputy Chief Council	J/F '64 p27#
Polk, Martin C. [pioneer engineer]; recalls early road-building days	J/A '52 p29#
[obit]	J/F '56 p69
Prentiss, Gen. Louis W.; becomes Executive VP of ARBA	M/J '56 p72
<b>S.F. Bay Second Crossing Project Consultants</b>	
Freeman, George L.	M/J '48 p18
Pirkner, Herbert R.	M/J '48 p19
Porter, O.J.	M/J '48 p19
Smillie, Ralph	M/J '48 p18
Stewart, Bert; made general manager of National Auto Club	J/F '57 p29
Tallamy, Bertram D.; named Federal Hwy. Administrator	M/A '57 p51#
Teichert, Adolph A., Jr. [well-known contractor]; memory of honored	M/J '53 p38
Thacher, James F.; appointed to Toll Br. Authority	M/A '61 p34
Vanderlip, Loran C.; promoted by State Chamber	N/D '58 p53
Watkins, D.E.; retires from CSAA	N/D '53 p55
Whitton, Rex M. [Missouri]; becomes president of AASHO	J/F '56 p53#
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