

## Fracture Critical State Highway Bridges

Provided below is a list of all fracture critical state highway system bridges. A fracture critical bridge is a steel structure that is designed with little or no load path redundancy. Load path redundancy is a characteristic of the design that allows the bridge to redistribute load to other structural members on the bridge if any one member loses capacity. This designation is a function of the design of the bridge and not the condition. In fact, a brand new bridge can be fracture critical. Caltrans has a fracture critical inspection unit that uses specialized access and non-destructive testing equipment to identify any potential concerns, even those that are not visible to the human eye

Bridge ID	Structure Name	Location	County
01 0020	SMITH RIVER (DR. ERNEST M. FINE MEM	01-DN-101-36.06	Del Norte
02 0002Y	SACRAMENTO RIVER BOH	02-SIS-005-2.65-DMR	Siskiyou
02 0013	SHASTA RIVER	02-SIS-263-55.03	Siskiyou
02 0035	DILLON CREEK	02-SIS-096-R16.13	Siskiyou
02 0051	CLEAR CREEK	02-SIS-096-32.6	Siskiyou
02 0079	SCOTT RIVER	02-SIS-096-71.23	Siskiyou
02 0097	SISKIYOU AVENUE OC	02-SIS-005-2.92-DMR	Siskiyou
02 0117	KLAMATH RIVER	02-SIS-096-77.15	Siskiyou
02 0119	KLAMATH RIVER	02-SIS-096-61.14	Siskiyou
02 0156	KLAMATH RIVER (H. LYLE DAVIS MEMOR	02-SIS-096-R5.08	Siskiyou
02 0157	KLAMATH RIVER	02-SIS-096-R5.75	Siskiyou
02 0177	SALMON RIVER (CARL LANGFORD MEMO	02-SIS-096-R.04	Siskiyou
04 0015	EEL RIVER BOH	01-HUM-283-.12	Humboldt
04 0016R	EEL RIVER	01-HUM-101-M53.91-RDEL	Humboldt
04 0022L	EUREKA SLOUGH	01-HUM-101-79.78-EUR	Humboldt
04 0025R	MAD RIVER	01-HUM-101-89.63	Humboldt
04 0036L	MAD RIVER	01-HUM-299-R1.56	Humboldt
04 0036R	MAD RIVER	01-HUM-299-R1.55	Humboldt
04 0042	REDWOOD CREEK	01-HUM-299-R22.33	Humboldt
04 0053	ROCK CHUTE SIDEHILL VIADUCT	01-HUM-096-16.76	Humboldt
04 0063	BLUFF CREEK	01-HUM-096-28.27	Humboldt
04 0066	CAMP CREEK	01-HUM-096-37.25	Humboldt
04 0069	KLAMATH RIVER	01-HUM-096-R38.57	Humboldt
04 0079R	ARCATA OH	01-HUM-101-87.84-ARC	Humboldt
04 0119	SOUTH FORK VAN DUZEN RIVER	01-HUM-036-35.37	Humboldt
04 0135	WILLOW CREEK	01-HUM-096-.24	Humboldt
04 0137	TRINITY RIVER	01-HUM-096-12.26	Humboldt
04 0144	KLAMATH RIVER	01-HUM-096-22.95	Humboldt
04 0217	MARTINS BLUFF SIDEHILL VIADUCT	01-HUM-299-R42.3	Humboldt
04 0225	BLUFF CREEK	01-HUM-096-R28.91	Humboldt
05 0044	GRAY CREEK	02-TRI-299-6.33	Trinity
05 0055	STUART FORK	02-TRI-003-43.93	Trinity
06 0014	SACRAMENTO RIVER	02-SHA-273-17.08-RDG	Shasta
06 0021	PIT RIVER BOH	02-SHA-005-R28.14	Shasta
06 0052	LAKE BRITTON	02-SHA-089-29.19	Shasta
06 0089	SACRAMENTO RIVER (ANTLER)	02-SHA-005-R40.16	Shasta
06 0096	WHISKEY CREEK	02-SHA-299-14.17	Shasta
08 0068	DEER CREEK	02-TEH-032-12.91	Tehama
09 0002	NORTH FORK FEATHER RIVER	02-PLU-070-3.07	Plumas
09 0003	NORTH FORK FEATHER RIVER	02-PLU-070-5.58	Plumas
09 0004	NORTH FORK FEATHER RIVER	02-PLU-070-6.99	Plumas
09 0009	NORTH FORK FEATHER RIVER	02-PLU-070-16.54	Plumas
09 0014	INDIAN CREEK	02-PLU-070-33.07	Plumas
09 0015	SPANISH CREEK	02-PLU-070-35.32	Plumas

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Bridge ID	Structure Name	Location	County
09 0063	MIDDLE FORK FEATHER RIVER	02-PLU-089-8.23	Plumas
09 0065	HAMILTON BRANCH	02-PLU-147-8.98	Plumas
10 0037	SOUTH FORK EEL RIVER	01-MEN-271-22.57	Mendocino
10 0053	JITNEY GULCH	01-MEN-101-93.01	Mendocino
10 0082	RUSSIAN RIVER	01-MEN-101-9.24	Mendocino
10 0113	GARCIA RIVER	01-MEN-001-18.5	Mendocino
10 0130	NAVARRO RIVER	01-MEN-001-40.18	Mendocino
10 0134	SALMON CREEK	01-MEN-001-43	Mendocino
10 0136	ALBION RIVER	01-MEN-001-43.74	Mendocino
10 0149	SOUTH FORK EEL RIVER	01-MEN-001-104.96	Mendocino
10 0184	EAST FORK RUSSIAN RIVER	01-MEN-020-36.36	Mendocino
11 0017	SACRAMENTO RIVER	03-GLE-162-76.7	Glenn
11 0023	SACRAMENTO RIVER OVERFLOW	03-GLE-162-81.63	Glenn
11 0024	CAMPBELL SLOUGH	03-GLE-162-82.01	Glenn
11 0027	BIG BUTTE CREEK	03-GLE-162-84.58	Glenn
12 0038	NORTH FORK FEATHER RIVER	03-BUT-070-40.99	Butte
12 0134	WEST BRANCH FEATHER RIVER	03-BUT-070-28.22	Butte
12 0184	CANYON CREEK	03-BUT-162-29.96	Butte
12 0188	MIDDLE FORK FEATHER RIVER	03-BUT-162-26.87	Butte
13 0005	DOWNIE RIVER	03-SIE-049-16.75	Sierra
18 0009	FEATHER RIVER BOH	03-SUT-020-17-YC	Sutter
19 0035	NORTH FORK AMERICAN RIVER	03-PLA-049-.01	Placer
19 0055	COLFAX OH	03-PLA-174-.62-CFX	Placer
19 0075	NEW ENGLAND OH	03-PLA-080-29.51	Placer
21 0008	SARCO CREEK	04-NAP-121-9.3	Napa
21 0078	CAPELL CREEK	04-NAP-128-20.23	Napa
22 0021	SACRAMENTO RIVER (TOWER BRIDGE)	03-YOL-275-13.01-WSAC	Yolo
22 0025L	SACRAMENTO RIVER (ELKHORN)	03-YOL-005-.01	Yolo
22 0025R	SACRAMENTO RIVER (ELKHORN)	03-YOL-005-.01	Yolo
22 0026L	SACRAMENTO RIVER BOH (BRYTE BEND)	03-YOL-080-R11.31-WSAC	Yolo
22 0026R	SACRAMENTO RIVER BOH (BRYTE BEND)	03-YOL-080-R11.31-WSAC	Yolo
22 0040	SACRAMENTO RIVER (KNIGHTS LANDING)	03-YOL-113-22.02	Yolo
22 0129R	WEST SACRAMENTO OFF-RAMP SEP	03-YOL-050-2.44-WSAC	Yolo
23 0015R	CARQUINEZ BOH	04-SOL-080-.01	Solano
23 0024	SACRAMENTO RIVER (RIO VISTA) BR & S	04-SOL-012-26.24-RVS	Solano
23 0034	CACHE SLOUGH FERRY	04-SOL-084-2.49	Solano
23 0035	MINER SLOUGH	04-SOL-084-12.09	Solano
23 0037	STEAMBOAT SLOUGH FERRY	04-SOL-220-3.10	Solano
23 0153E	ROUTE 113/80 SEPARATION	04-SOL-113-21.21-DXN	Solano
24 0004L	SACRAMENTO RIVER VIADUCT	03-SAC-050-L.01-SAC	Sacramento
24 0004R	SACRAMENTO RIVER VIADUCT	03-SAC-050-L.01-SAC	Sacramento
24 0051	SACRAMENTO RIVER (ISLETON)	03-SAC-160-5.86	Sacramento
24 0052	STEAMBOAT SLOUGH	03-SAC-160-19.76	Sacramento
24 0053	SACRAMENTO RIVER (PAINTERSVILLE)	03-SAC-160-20.87	Sacramento
24 0069L	WEST END VIADUCT	03-SAC-005-23.59-SAC	Sacramento
24 0069R	WEST END VIADUCT	03-SAC-005-23.59-SAC	Sacramento
24 0121	THREE MILE SLOUGH	03-SAC-160-6.98	Sacramento
24 0267	SOUTH CONNECTOR UC	03-SAC-005-22.42-SAC	Sacramento
24 0268G	N5-W50 CONNECTOR OC	03-SAC-005-22.41-SAC	Sacramento
24 0269G	N5-E50 CONNECTOR OC	03-SAC-005-22.41-SAC	Sacramento
24 0270H	N&S5-E50 CONNECTOR	03-SAC-005-22.5-SAC	Sacramento
25 0021	SOUTH FORK AMERICAN RIVER	03-ED-049-23.99	El Dorado

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Bridge ID	Structure Name	Location	County
27 0023	LAGUNITAS CREEK	04-MRN-001-28.51	Marin
28 0009	SAN JOAQUIN RIVER (ANTIOCH)	04-CC-160-.82	Contra Costa
28 0100	RICHMOND-SAN RAFAEL BRIDGE	04-CC-580-6.22-RCH	Contra Costa
28 0140L	SCOFIELD AVENUE UC	04-CC-580-5.83-RCH	Contra Costa
28 0140R	SCOFIELD AVENUE UC	04-CC-580-5.8-RCH	Contra Costa
28 0141R	WESTERN DRIVE ON-RAMP UC	04-CC-580-6.01-RCH	Contra Costa
28 0153	BENICIA-MARTINEZ BOH	04-CC-680-25.04-MTZ	Contra Costa
28 0312K	OLYMPIC BLVD OFF-RAMP SEPARATION	04-CC-680-14.07-WLC	Contra Costa
28 0352L	WB CARQUINEZ (AL ZAMPA MEMORIAL)	04-CC-080-R14-VAL	Contra Costa
28 0367L	CROCKETT VIADUCT (D3-LINE)	04-CC-080-3.62-VAL	Contra Costa
29 0013R	STANISLAUS RIVER	10-SJ-099-0	San Joaquin
29 0016F	W120-S5 CONNECTOR	10-SJ-120-T.11	San Joaquin
29 0043	MOKELUMNE RIVER	10-SJ-012-.01	San Joaquin
29 0045	OLD RIVER	10-SJ-004-.01	San Joaquin
29 0049	MIDDLE RIVER	10-SJ-004-4.42	San Joaquin
29 0050	SAN JOAQUIN RIVER (GARWOODS)	10-SJ-004-14.15	San Joaquin
29 0060	CALAVERAS RIVER	10-SJ-088-6.09	San Joaquin
29 0161R	ROUTE 132 E/580 SEPARATION	10-SJ-132-L.68	San Joaquin
29 0176L	STOCKTON CHANNEL VIADUCT	10-SJ-005-26.47-STKN	San Joaquin
29 0176R	STOCKTON CHANNEL VIADUCT	10-SJ-005-26.47-STKN	San Joaquin
29 0205G	5N-132E CONNECTOR/DM CANAL	10-SJ-005-3.27	San Joaquin
29 0313G	132E-5S CONNECTOR/DM CANAL	10-SJ-132-3.22	San Joaquin
32 0018	TUOLUMNE RIVER	10-TUO-120-R19.61	Tuolumne
32 0035	SOUTH FORK TUOLUMNE RIVER	10-TUO-120-46.82	Tuolumne
32 0040	STANISLAUS RIVER	10-TUO-049-R27.28	Tuolumne
33 0025	SFOBB EAST BAY	04-ALA-080-1.15-OAK	Alameda
33 0027	FIFTH AVENUE OVERHEAD	04-ALA-880-30.38-OAK	Alameda
33 0036	ALAMEDA CREEK	04-ALA-084-13.33	Alameda
33 0040L	HIGH STREET SEPARATION & OH	04-ALA-880-27.63-OAK	Alameda
33 0040R	HIGH STREET SEPARATION & OH	04-ALA-880-27.63-OAK	Alameda
33 0042	SILVER SPRINGS UP AND OFF RAMP SE	04-ALA-084-16.93	Alameda
33 0046Y	ARROYO DE LA LAGUNA	04-ALA-680-14.1	Alameda
33 0061L	DISTRIBUTION STRUCTURE	04-ALA-580-46.09-OAK	Alameda
33 0061R	DISTRIBUTION STRUCTURE	04-ALA-580-46.09-OAK	Alameda
33 0086	SAN LEANDRO BAY	04-ALA-061-18.55-ALA	Alameda
33 0100	SAN LEANDRO BOH	04-ALA-880-24.18-SLN	Alameda
33 0139	23RD AVENUE OC SOUTH	04-ALA-880-28.93-OAK	Alameda
33 0149	23RD AVENUE OC NORTH	04-ALA-880-28.98-OAK	Alameda
33 0172	S880-E238 CONNECTOR UC	04-ALA-880-20.68-SLN	Alameda
33 0371G	ROUTE 680/580 SEPARATION N680/W580	04-ALA-680-R20.03-PLE	Alameda
33 0612E	PORT OF OAKLAND CONNECTOR VIADU	04-ALA-080-2.2-OAK	Alameda
33 0623S	MARITIME OFF-RAMP	04-ALA-080-2.41-OAK	Alameda
33 0661	EASTSHORE POC	04-ALA-080-5.7-BER	Alameda
33 0727	NORTH NILES UNDERPASS	04-ALA-238-3.77-FMT	Alameda
33 0728	SOUTH NILES UNDERPASS	04-ALA-238-3.4-FMT	Alameda
34 0003	SFOBB WEST BAY	04-SF-080-6.35-SF	San Francisco
34 0019	PRESIDIO VIADUCT	04-SF-101-9.14-SF	San Francisco
34 0034	CESAR CHAVEZ UC	04-SF-101-2.92-SF	San Francisco
34 0050	25TH STREET POC	04-SF-101-3.22-SF	San Francisco
34 0077	CENTRAL VIADUCT	04-SF-101-R4.25-SF	San Francisco
34 0088	BAYSHORE VIADUCT	04-SF-101-4.12-SF	San Francisco
35 0038	DUMBARTON BRIDGE	04-SM-084-R29.25-MLP	San Mateo

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Bridge ID	Structure Name	Location	County
35 0054	SAN MATEO-HAYWARD BRIDGE	04-SM-092-R14.44-FSTC	San Mateo
35 0088	PENINSULA AVENUE OC	04-SM-101-14.69-SM	San Mateo
35 0094L	SOUTH SAN FRANCISCO OH	04-SM-101-21.92-SSF	San Mateo
35 0094R	SOUTH SAN FRANCISCO OH	04-SM-101-21.92-SSF	San Mateo
35 0113	UNIVERSITY AVENUE OC (SOUTH)	04-SM-101-.89-EPAO	San Mateo
35 0130	SIERRA POINT OVERHEAD	04-SM-101-23.66-BSBN	San Mateo
35 0155	UNIVERSITY AVENUE OC (NORTH)	04-SM-101-.89-EPAO	San Mateo
36 0064	SOQUEL DRIVE OC	05-SCR-001-14.86	Santa Cruz
37 0050G	N280-S17 CONNECTOR VIADUCT	04-SCL-280-L5.4-SJS	Santa Clara
37 0102L	COYOTE CREEK	04-SCL-101-29.83	Santa Clara
37 0102R	COYOTE CREEK	04-SCL-101-29.83	Santa Clara
37 0137	LOS GATOS SCHOOL POC	04-SCL-017-6.65-LGTS	Santa Clara
37 0188F	MOORPARK AVENUE UC	04-SCL-280-L5.49-SJS	Santa Clara
37 0193F	S280-N880 CONNECTOR VIADUCT	04-SCL-280-L5.5-SJS	Santa Clara
39 0044	BRADLEY OH	10-MER-140-37.07-MER	Merced
40 0047	MERCED RIVER	10-MPA-049-R34.35	Mariposa
40 0052	MERCED RIVER	10-MPA-140-42.1	Mariposa
40 0053	MERCED RIVER	10-MPA-140-42.5	Mariposa
41 0008	SAN JOAQUIN RIVER	06-MAD-099-.08	Madera
42 0226L	SOUTH FRESNO VIADUCT	06-FRE-041-R22.11-FRE	Fresno
42 0226R	SOUTH FRESNO VIADUCT	06-FRE-041-R22.11-FRE	Fresno
42 0244	PANOCHÉ JUNCTION UTLTY ROAD OC	06-FRE-005-40.66	Fresno
42 0245	HUDSON AVENUE OC	06-FRE-005-43.17	Fresno
42 0247	MANNING AVENUE OC	06-FRE-005-45.8	Fresno
42 0248	PANOCHÉ ROAD OC	06-FRE-005-48.99	Fresno
42 0250	RUSSELL AVENUE OC	06-FRE-005-52.75	Fresno
42 0251	CALIFORNIA AVENUE OC	06-FRE-005-55.57	Fresno
42 0252	OXFORD AVENUE OC	06-FRE-005-58.71	Fresno
42 0253	SHIELDS AVENUE OC	06-FRE-005-60.08	Fresno
44 0032R	SALINAS RIVER	05-MON-101-R41.36	Monterey
44 0035	CASTRO CANYON	05-MON-001-43.12	Monterey
46 0011	YOKOHL CREEK	06-TUL-245-1.39	Tulare
46 0217	COUNTY ROAD 164 OC	06-TUL-198-R14.65	Tulare
47 0007	DODGE POINT SIDEHILL VIADUCT	09-MNO-120-R3.71	Mono
49 0028	SAN JUAN CREEK	05-SLO-041-42.74	San Luis Obispo
49 0148L	NORTH PASO ROBLES OH	05-SLO-101-58.76-PSRS	San Luis Obispo
49 0148R	NORTH PASO ROBLES OH	05-SLO-101-58.76-PSRS	San Luis Obispo
49 0149L	SOUTH PASO ROBLES OH	05-SLO-101-55.72	San Luis Obispo
49 0149R	SOUTH PASO ROBLES OH	05-SLO-101-55.67	San Luis Obispo
49 0178	HUASNA RIVER	05-SLO-166-16.45	San Luis Obispo
49 0179	ALAMO CREEK	05-SLO-166-17.73	San Luis Obispo
50 0183	CHESTER AVENUE UC	06-KER-204-4.88-BKD	Kern
50 0240R	ROUTE 5/99 SEPARATION	06-KER-005-R15.82	Kern
50 0357	BOUNDARY FLAT ROAD OC	06-KER-178-R39.88	Kern
51 0037	COLD SPRINGS CANYON	05-SB-154-22.96	Santa Barbara
51 0094	EL JARO CREEK	05-SB-001-13.34	Santa Barbara
51 0097R	SANTA YNEZ RIVER	05-SB-001-22.52	Santa Barbara
51 0128	SANTA YNEZ RIVER	05-SB-246-9.82	Santa Barbara
52 0173	NORTH FORK MATILIJÁ CREEK	07-VEN-033-16.13	Ventura
53 0042L	LOS ANGELES RIVER BOH	07-LA-110-25.48-LA	Los Angeles
53 0042R	L A RIVER BOH	07-LA-110-25.48-LA	Los Angeles
53 0113	SAN GABRIEL RIVER	07-LA-039-17.81	Los Angeles

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Bridge ID	Structure Name	Location	County
53 0145	ROUTE 1/103 SEPARATION	07-LA-001-8.27-LBCH	Los Angeles
53 0347	HOBSON AVENUE OH	07-LA-001-8.34-LBCH	Los Angeles
53 0399	CLASSIFICATION ROAD UC	07-LA-001-8.43-LA	Los Angeles
53 0650	ALMANSOR AVENUE OC	07-LA-010-24.32-ALH	Los Angeles
53 0676	WESTERN AVENUE OC	07-LA-101-5.81-LA	Los Angeles
53 0815	LACTC ACCESS ROAD OC	07-LA-710-10.31-LBCH	Los Angeles
53 1301	SANTA MONICA VIADUCT	07-LA-010-14.23-LA	Los Angeles
53 1367G	E10-N5 / ROUTE 5 SEPARATION	07-LA-010-18.33-LA	Los Angeles
53 1393R	EB 60/5 SEPARATION	07-LA-060-R.63-LA	Los Angeles
53 1471	VINCENT THOMAS BRIDGE	07-LA-047-.86-LA	Los Angeles
53 2244	NORTH FORK SAN GABRIEL RIVER	07-LA-039-30.63	Los Angeles
53 2618	SCHUYLER HEIM LIFT BRIDGE	07-LA-047-3.58-LBCH	Los Angeles
53 2637	RIO HONDO BUSWAY	07-LA-010-C28.5-EMTE	Los Angeles
53 2644L	ROUTE 10,5/101 SEPARATION	07-LA-005-16.9-LA	Los Angeles
53 2908	UNIVERSAL TERRACE PARKWAY OC	07-LA-101-10.56-LA	Los Angeles
54 0415	COLORADO RIVER	08-SBD-040-R154.51	San Bernardino
54 0431	ROUTE 66/S215 SEP & OH	08-SBD-066-22.99-SBD	San Bernardino
54 0684	ASH SIDEHILL VIADUCT	08-SBD-018-R17.54	San Bernardino
54 0752	CHAPARRAL SIDEHILL VIADUCT	08-SBD-018-R12.49	San Bernardino
54 0754	EVERGREEN SIDEHILL VIADUCT	08-SBD-018-R11.9	San Bernardino
54 0789	GRANITE SIDEHILL VIADUCT	08-SBD-018-R11.45	San Bernardino
54 0790	FIR SIDEHILL VIADUCT	08-SBD-018-R11.54	San Bernardino
54 0847	BOULDER SIDEHILL VIADUCT	08-SBD-018-R12.68	San Bernardino
54 0875	JUNIPER SIDEHILL VIADUCT	08-SBD-018-R16.33	San Bernardino
55 0414	TUSTIN AVENUE OC	12-ORA-091-8.39-ANA	Orange
55 0418	LA PALMA AVENUE OC	12-ORA-091-6.42-ANA	Orange
55 0427	RIVERDALE AVENUE OC	12-ORA-091-8.8-ANA	Orange
56 0066L	BEAUMONT OH	08-RIV-060-30.24	Riverside
56 0314	UNIVERSITY AVENUE UC	08-RIV-091-20.45-RIV	Riverside
56 0315	MISSION INN AVENUE UC	08-RIV-091-20.53-RIV	Riverside
57 0161	BALLENA CREEK	11-SD-078-45.01	San Diego
57 0457	MISSION BAY DRIVE OC	11-SD-005-R23.93-SD	San Diego
57 0688L	SWEETWATER RIVER	11-SD-008-R36.53	San Diego
57 0688R	SWEETWATER RIVER	11-SD-008-R36.50	San Diego
57 0857	SAN DIEGO-CORONADO BAY BRIDGE	11-SD-075-R20.49-SD	San Diego
58 0195L	ALL AMERICAN CANAL	11-IMP-008-81.69	Imperial
58 0293L	DEVIL'S CANYON BR NO.1	11-IMP-008-R3.88	Imperial
58 0294L	DEVIL'S CANYON BR NO. 2	11-IMP-008-R4.94	Imperial