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October 2, 2007

The Los Angeles City Council

Honorable Bill Rosendahl, Chair
Public Works Committee
Los Angeles City Council
200 N. Spring Street, Room 415
Los Angeles, CA 90012

Honorable Wendy Greuel, Chair
Transportation Committee
Los Angeles City Council
200 N. Spring Street, Room 475
Los Angeles, CA 90012

Dear Councilmember Rosendahl, Councilmember Greuel and Honorable Members:

**COUNCIL FILE NO. 07-2474 – STATUS OF BRIDGES AND TUNNELS IN THE CITY
OF LOS ANGELES**

I am hereby submitting a status report in response to a request by the joint committee meeting of Public Works and Transportation on September 19, 2007. The joint committee requested that the Bureau of Engineering (BOE) report on the "Status of Los Angeles Bridges and Tunnels" and the programs that exist to repair, retrofit and maintain them.

INTRODUCTION

This report covers the bridges and tunnels that the City owns, or that the City inspects and maintains, or that the City has the responsibility for notifying other owners of the condition of the structures. This report does not address the condition of the bridges and tunnels that are maintained by Caltrans on the State Highway System.

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All bridges are inspected in accordance with the American Association of State Highway and Transportation Officials (AASHTO) standards, that is adopted by the Federal Highway Administration (FHWA).

Recently, there have been discussions on the "Structurally Deficient" rating of a bridge and what that indicates. It is important to note the meaning of the term "Structurally Deficient" as it applies in the reporting system. It is not construed to mean that these bridges are in danger of collapsing. "Structurally Deficient" means the bridge needs repairs and has a low rating of 4 or less (on the scale of 0 to 9, 9 being the best) for either the deck, superstructure or substructure; or 2 or less for overall appraisal and water adequacy. Most of the bridges listed as "Structurally Deficient" in the City of Los Angeles are in need of repair to portions of their deck, but are not in danger of collapsing.

INSPECTION

There are 602 bridges and tunnels within the City of Los Angeles that are inspected in a two year cycle (Appendix A). Of the 602 bridges and tunnels, there are 567 bridges and 35 tunnels.

The Bureau of Engineering has the responsibility for inspecting 147 bridges and 28 tunnels. Caltrans inspects 420 bridges and 7 tunnels for the City of Los Angeles. These bridges and tunnels are listed by Council District in Appendix B. All inspections are carried out by licensed professional civil engineers. Inspection of bridges is in accordance with the American Association of State Highway and Transportation Officials (AASHTO) standards.

Caltrans provides inspection for the City's bridges and tunnels that are listed on the National Bridge Inventory listing (State bridge numbers beginning with 53CXXXX). These bridges are at least 20 feet in span length and are on strategically important routes (Strategic Highway Corridor Network – STRAHNET).

Inspection data for each bridge and tunnel is then entered into the BOE database for producing reports and work recommendations.

STATUS

Caltrans has identified 17 City bridges that are "Structurally Deficient" (Appendix C). Out of the 17 City bridges listed as "Structurally Deficient", one bridge (City # 000823) is in the Bid and Award phase through the BOE's Bridge Improvement Program (BIP) and is scheduled for construction in April 2008. Two bridges (City #'s 000526 and 000643) are in the final design phase and are scheduled to be in construction by April 2008 and November 2009, respectively. Two bridges (City #'s 000508 and 000579) have been recommended to the Bureau of Street Services (BOSS) for minor repairs. The repairs

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on one bridge have been completed (City #000579), and the other (City #000508) is scheduled to be completed by the end of 2007. Two bridges (City #'s 000563 and 000853) are in a Pre-design phase, and on a priority list for upgrade and seismic strengthening, but are on-hold due to the lack of funds. BOE is in the process of designing details for BOSS and the Bureau of Street Lighting (BSL) to do the maintenance on four bridges (City #'s 000611, 000589, 000858 and 001001) to be completed within 30 days. BOE will schedule an additional field investigation with Caltrans and evaluate the deck for four other bridges (City #'s 000949, 001166, 001391 and 001433) within 90 days. After the field investigation, recommendations can be made for the protection of the decks. Caltrans at this time has not recommended any work for two bridges (City #'s 000645 and 001409) that are rated "Structurally Deficient".

115 vehicular bridges are identified by Caltrans or the City as functionally obsolete. These bridges are identified as having a low rating for either the deck geometry, under clearances, approach width, or traffic carrying capacity. Of these 115, 51 are part of the active projects on the Bridge Improvement Program in BOE.

REPAIRS

BOSS and the BSL provide minor and routine maintenance for items not exceeding \$25,000 per bridge. Repairs to bridges that are greater than \$25,000 are referred to BOE's Street Improvement Program for inclusion in the Capital Improvement Program (CIP).

REHABILITATION AND SEISMIC STRENGTHENING

The BOE's Bridge Improvement Program (BIP) is very active in planning, prioritizing and programming projects for the City-owned bridges. From 1975-1985, 22 bridge upgrades were completed for a total cost of \$3.8 million. These projects involved structural upgrades related to seismic strengthening. Funding was provided through the City's Gas Tax annual allocation.

After the Loma Prieta earthquake of 1989, the City passed the Seismic Bond measure (Proposition G). From 1990-2002, 117 bridge upgrades for seismic strengthening were completed for a total cost of \$117 million. During this period, 6 additional bridges were upgraded geometrically to improve traffic flow. These 6 projects had an average cost of \$3 million per bridge.

Approximately 80% to 88% of the funding for the BIP comes from the Federal Highway Bridge Program (HBP). On the most critical seismic projects, the State's LSSRP (Local Seismic Safety Retrofit Program) program provides up to a 12% matching fund. However, LSSRP funds were cut in 2003 when the State experienced a major budget deficit. At that time, 24 less critical projects were placed on hold at the direction of the

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City's Seismic Governance Committee to allow funding for priority seismic projects. These are still not funded. From 2003-2007, the Seismic Bond provided much of the needed local match to continue with all seismic upgrade projects. Today, there are 13 remaining seismic retrofit projects in the design phase. The recent passage of the State's Infrastructure Bond may restore the original State matching funds, but it is on a "first come-first serve" basis and there are over 500 projects of this type across the State.

From 2002 to present, the BIP includes 83 projects that have been identified for seismic strengthening and upgrading. To date, 12 of the 83 BIP projects have been completed. These 83 projects generally have substandard geometry creating bottlenecks, and moderate structural deficiencies. The following is a summary of the current status of BIP:

- 12 projects have already been completed.
- 13 projects are in construction (\$47 million).
- 34 projects are in various stages of design.
- 24 projects are on hold.

The status of funding is as follows:

- Approximately \$850 million is needed to complete the remaining 71 projects. BIP has thus far identified \$600 million in FHWA and available local matching funds.
- New funding of \$250 million is needed for the 24 on hold projects. Of the \$250 million, \$26 million is needed for a local match with the remaining funds from FHWA.
- If all 71 projects are funded, it will bring 80% of the City's bridges and tunnels to a sufficiency rating of at least 80 or better by the year 2013.

Sixth Street Viaduct over LA River:

The Sixth Street Viaduct was built in 1932, and it crosses the Los Angeles River, Union Pacific Railroad tracks, Metrolink tracks, and the US 101 Freeway. It is one of the oldest structures in the State's inventory and spans more than 3,500 feet. It is one of the largest bridges on the Proposition 1B Seismic Match list.

The Sixth Street Bridge is one of the most vulnerable City-owned bridge. It is listed on Caltrans' mandatory seismic retrofit list, and the analysis performed indicates that this bridge has a 70% probability of failure for a design level earthquake within the next 50 years. This bridge also has a very low sufficiency rating of 52.4 points out of the maximum 100. More importantly, the Sixth Street Viaduct is suffering from a condition known as Alkali Silica Reactivity (ASR) which is essentially a concrete "decay" that over time weakens concrete's strength. Alkali reactants from the aggregates react with silica,

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and in the presence of moisture, forms a gel-like substance that cracks the concrete structure internally. This phenomena, of course, was not known at the time of construction. Laboratory testing indicates that deterioration due to ASR will continue, and that the structure's vulnerability to collapse in a seismic event is exacerbated.

The current estimated cost to replace the entire structure is about \$200 million. Proposition 1B funding is programmed for this project, but is not guaranteed.

If you have any questions regarding this report, please contact John Koo or Sunny Patel of my staff at (213) 202-5591 or (213) 485-5445, respectively.

Sincerely,



Gary Lee Moore, P.E.
City Engineer

GLM/DW/SP/Status of the City Bridges and Tunnels:svm

Attachments: Inspection Responsibilities for Bridges and Tunnels in the City of Los Angeles (Appendix A)
 Bridges and Tunnels (Total 602) – Listed by Council District (Appendix B)
 List of Structurally Deficient Bridges (Total 17) (Appendix C)

cc: Chris Espinosa, Deputy Mayor
 William A. Robertson, Director, BOSS
 Ed Ebrahimian, Director, BSL
 Deborah Weintraub, Deputy City Engineer, BOE
 Sunny Patel, Division Engineer, SED, BOE
 Phillip Richardson, Program Manager. - Bridge, Street and Stormwater Programs, BOE
 John Koo, Program Manager, BIP, BOE

Inspection Responsibilities for Bridges and Tunnels in the City of Los Angeles

Number of structures - City owned and Owned by Others^(a)

	Inspection performed by Caltrans		Inspection performed by City (BOE)	
	City owned	Others owned	City owned	Others owned
BRIDGES:				
Vehicular Bridges, greater than 20' span	285	65	0 ^(b)	0 ^(b)
Vehicular Bridges, less than 20' span	0	0	50	39
Railroad Bridges ^(c)	0	35	0	0
Pedestrian Bridges	17	17	0	0
Pedestrian Bridges ^(c, d)	0	0	46 ^(d)	11 ^(d)
Bikeway Bridges ^(c)	1	0	1	0
	303	117	97	50
<i>Sub-total (Bridges):</i>	420		147	
TUNNELS:				
Tunnels - Vehicular ^(c)	5	2	1	1
Tunnels - Pedestrian ^(c)	0	0	2	16
Tunnels - Equestrian ^(c)	0	0	6	2
	5	2	9	19
<i>Sub-total(Tunnels):</i>	7		28	
TOTAL BRIDGES & TUNNELS:	427		175	
	602			

^(a) - Owned by others - Private, LAUSD, Corp of Engineers (ACOE).

^(b) - City staff (Bureau of Engineering) also performs inspections of 350 Bridges (>20' span) to make sure that the structures are independently inspected and data is current.

^(c) - Variation of data for inspections is based on historical information or past records.
Culverts and Tunnels under roadway have their lengths in the direction of flow.
Bridges have their lengths in the direction of lanes.

^(d) - Pedestrian bridges not over City roads, are not inspected by Caltrans. e.g. over drainage channel, flood control.

Gary Lee Moore, P.E.
City Engineer
Bureau of Engineering
City of Los Angeles

**City of Los Angeles
Bridges and Tunnels in Council District 1 (Total 32)**

CITY #	STATE #	Title	CD	TG	OWNER	MAINT. BY	GENERAL USE*	MAX SPAN (FT)	WIDTH (FT)	LENGTH (FT)	YEAR BUILT	STRUCTURAL CONDITION**
001387	53C2091	3RD ST PEDESTRIAN BRIDGE, W/O BEAUDRY AVE	1	634-E3	PRIVATE	PRIVATE	PB	8	8	120	1985	OK
000523	53C1094	AVENUE 54 PEDESTRIAN BRIDGE, BET BALTIMORE ST AND IRVINGTON PL	1	595-C2	PRIVATE	CITY	PB	16	16	93	1963	OK
000594	53C1238	LINCOLN PARK AVE PEDESTRIAN BRIDGE, BET ALTURA ST AND NORTH BROADWAY	1	635-B1	PRIVATE	PRIVATE	PB	14	14	117	1977	OK
000510	53C1092	AVENUE 19 U/SFRR BRIDGE, BET LACY ST AND HUMBOLT ST	1	594-J7	RAILROAD	RAILROAD	RB	32	32	99	1931	OK
001024	53C0037	AVENUE 26 U/ATSF RR, 200 FT S/O LACY ST	1	594-J7	RAILROAD	RAILROAD	RB	32	0	85	1930	OK
001498	53C2151	BRUNO ST UNDER RR BRIDGE, AT N ALAMEDA ST	1	634-G2	RAILROAD	RAILROAD	RB	45	0	107	2003	OK
001497	53C2150	COLLEGE ST UNDER RR BRIDGE, AT N ALAMEDA ST	1	634-G2	RAILROAD	RAILROAD	RB	45	45	105	2003	OK
001499	53C2152	N ALAMEDA ST UNDER RR BRIDGE, NORTH OF ALPINE ST	1	634-G2	RAILROAD	RAILROAD	RB	44	44	243	2003	OK
001500	53C2153	N MAIN ST UNDER RR BRIDGE AT VIGNES ST	1	634-G2	RAILROAD	RAILROAD	RB	45	0	159	2003	OK
000652	53C1310	SAN FERNANDO RD U/ATSF RR BRIDGE, BET LACY ST AND HUMBOLDT ST	1	594-J7	RAILROAD	RAILROAD	RB	33	33	106	1931	OK
000706	53C1706	VALLEY BLVD U/ SPRR NEAR SOTO ST	1	635-C2	RAILROAD	RAILROAD	RB	7	7	214	1906	OK

**City of Los Angeles
Bridges and Tunnels in Council District 1 (Total 32)**

CITY #	STATE #	Title	CD	TG	OWNER	MAINT. BY	GENERAL USE*	MAX SPAN (FT)	WIDTH (FT)	LENGTH (FT)	YEAR BUILT	STRUCTURAL CONDITION**
000562	53C0045	1ST ST VIADUCT O/GLENDALE BLVD	1	634-E2	CITY	CITY	VB	54	54	562	1942	FO
001169	53C1090	AVENUE 19 (E RDWY) BRIDGE O/ARROYO SECO CHANNEL, BET LACY ST AND PASADENA FWY	1	594-J7	CITY	CITY	VB	33	33	239	1956	FO
000852	53C1091	AVENUE 19 (W RDWY) BRIDGE O/ARROYO SECO CHANNEL, BET LACY ST AND PASADENA FWY	1	594-J7	CITY	CITY	VB	30	30	272	1956	FO
001402	53C1875	AVENUE 26 BRIDGE O/ARROYO SECO CHANNEL AND PASADENA FWY	1	594-J6	CALTRANS	CALTRANS	VB	54	54	161	1939	FO
001412	53C1877	AVENUE 43 BRIDGE O/ARROYO SECO CHANNEL	1	595-B5	CALTRANS	CITY	VB	39	39	73	1939	FO
000766	53C0052	AVENUE 52 BRIDGE O/ARROYO SECO CHANNEL	1	595-C4	CITY	CITY	VB	46	46	63	1940	OK
001502	NONE	FIGUEROA ST BRIDGE/RR TRACKS, AT MARMION DR	1	595-A5	RAILROAD	RAILROAD	VB	31	0	44	2003	OK
001277	53C1661	GRIFFIN AVE BRIDGE O/SPRR AND ALHAMBRA AVE, BET NORTH MAIN ST AND MISSION RD	1	635-A2	CITY	CITY	VB	86	86	108	1980	FO
000939	53C1203	HILL ST BRIDGE OVER CESAR E CHAVEZ AV (BETWEEN ORD ST AND TEMPLE ST)	1	634-G3	CITY	CITY	VB	77	77	107	1959	OK
001501	NONE	MARMION WAY BRIDGE/RR TRACKS, AT FIGUEROA ST.	1	595-A5	RAILROAD	RAILROAD	VB	31	0	40	2003	OK
000596	53C1705	NORTH BROADWAY SIDEHILL BRIDGE, BET SAVOY ST AND BISHOPS RD (FORMERLY STADIUM WY)	1	634-H1	CITY	CITY	VB	80	80	484	1929	OK

City of Los Angeles
Bridges and Tunnels in Council District 1 (Total 32)

CITY #	STATE #	Title	CD	TG	OWNER	MAINT. BY	GENERAL USE*	MAX SPAN (FT)	WIDTH (FT)	LENGTH (FT)	YEAR BUILT	STRUCTURAL CONDITION**
000619	53C0545	NORTH BROADWAY VIADUCT O/LOS ANGELES RIVER/RR/BAKER ST, BET PASADENA AVE AND CASANOVA	1	634-J1	CITY	CITY	VB	70	70	866	1909	OK
000602	53C1010	NORTH MAIN ST BRIDGE O/LOS ANGELES RIVER	1	634-J1	CITY	CITY	VB	72	72	302	1910	OK
000620	53C0859	NORTH SPRING ST VIADUCT O/LOS ANGELES RIVER AND RR, BET BUENA VISTA AND WILHARDT ST	1	634-J1	CITY	CITY	VB	49	49	682	1928	FO
001411	53C1876	PASADENA AVE BRIDGE O/ARROYO SECO CHANNEL	1	595-A6	CITY	CITY	VB	66	66	78	1940	OK
000643	53C0160	RIVERSIDE DR VIADUCT O/LOS ANGELES RIVER AND SPRR	1	594-H7	CITY	CITY	VB	57	57	451	1939	SD
000676	53C1932	RIVERSIDE DR VIADUCT, BET RIVERSIDE DR BRIDGE O/LOS ANGELES RIVER AND BARCLAY ST	1	594-H7	CITY	CITY	VB	54	54	572	1960	FO
000653	53C1309	SAN FERNANDO RD BRIDGE O/ARROYO SECO CHANNEL, BET LACY ST AND PASADENA FWY	1	594-J7	CITY	CITY	VB	69	69	80	1913	FO
000606	53C0013	SOTO ST AND HUNTINGTON DR BRIDGE O/MISSION RD AND HUNTINGTON DR SOUTH	1	595-C7	CITY	CITY	VB	59	59	491	1936	FO
000683	53C0011	SOTO ST OVALLEY BLVD AND SPRR GRADE SEPARATION	1	635-C2	CITY	CITY	VB	53	53	208	1936	FO
000574	53C0053	VIA MARISOL BRIDGE O/ARROYO SECO CHANNEL	1	595-D3	CALTRANS	CITY	VB	56	56	87	1940	OK

*PB= Pedestrian Bridge, RB=Railroad Bridge, VB=Vehicular Bridge

** FO= Functionally Obsolete, SD= Structurally Deficient

**City of Los Angeles
Bridges and Tunnels in Council District 2 (Total 78)**

CITY #	STATE #	TITLE	CD	TG	OWNER	MAINT. BY	GENERAL USE*	MAX SPAN (FT)	WIDTH (FT)	LENGTH (FT)	YEAR BUILT	STRUCTURAL CONDITION**
000952	NONE	WENTWORTH ST EQUESTRIAN TUNNEL, 2260 FT N/O STONEHURST AVE	2	502-J4	CITY	CITY	ET	8	12	132	1959	OK
000545	NONE	COLFAX AVE PEDESTRIAN BRIDGE O/LOS ANGELES RIVER, BET DILLING ST AND VENTURA BLVD	2	562-H5	CITY	CITY	PB	123	11	127	1955	OK
000592	NONE	LAURELGROVE AVE PEDESTRIAN BRIDGE O/LOS ANGELES RIVER, BET VALLEYHEART DR AND VENTURA CT	2	562-F5	CITY	CITY	PB	133	8	136	1951	OK
001086	NONE	SUNNYSLOPE AVE PEDESTRIAN BRIDGE O/LOS ANGELES RIVER (SUNNYSLOPE AVE TO RYE ST)	2	562-C4	CITY	CITY	PB	73	9	73	1971	OK
000628	53C1232	LAUREL CANYON BLVD U/SPRR, BET SHERMAN RD AND SHERMAN WY	2	532-G4	RAILROAD	RAILROAD	RB	55	37	111	1964	OK
000792	53C1393	APPERSON ST AND WOODWARD AVE BRIDGE O/HAINES CANYON CHANNEL	2	503-H4	CORP.OF ENGR.	CITY	VB	93	57	33	1936	OK
000801	NONE	APPERSON ST BRIDGE O/HAINES CANYON CHANNEL, BET HAINES CANYON AVE AND BREEZIE LN	2	504-B4	CORP.OF ENGR.	CITY	VB	14	70	16	1937	OK
000803	NONE	BECKETT ST BRIDGE O/HAINES CANYON CHANNEL, BET HAINES CANYON AVE AND SILVERTON AVE	2	504-B4	CORP.OF ENGR.	CITY	VB	14	50	16	1937	OK
001020	53C1684	CLYBOURN AVE BRIDGE O/HANSEN HEIGHTS CHANNEL, W/O STONEHURST AVE	2	503-A5	CITY	CITY	VB	24	20	32	1963	OK
000544	53C1138	COLDWATER CANYON AVE BRIDGE O/LOS ANGELES RIVER AT VALLEYHEART DR	2	562-E5	CITY	CITY	VB	60	79	67	1951	OK
000546	53C1141	COLFAX AVE BRIDGE O/LOS ANGELES RIVER, BET DILLING ST AND VENTURA BLVD	2	562-H5	CITY	CITY	VB	198	36	303	1956	FO
000603	NONE	DAY ST BRIDGE O/BLANCHARD CANYON CHANNEL, BET SISTER ELSIE DR AND DURKEE AVE	2	504-C4	CITY	CITY	VB	16	46	20	1968	OK

**City of Los Angeles
Bridges and Tunnels in Council District 2 (Total 78)**

CITY #	STATE #	TITLE	CD	TG	OWNER	MAINT. BY	GENERAL USE*	MAX SPAN (FT)	WIDTH (FT)	LENGTH (FT)	YEAR BUILT	STRUCTURAL CONDITION**
000802	NONE	DAY ST BRIDGE O/HAINES CANYON CHANNEL, BET HAINES CANYON AVE AND GLORY AVE	2	504-B4	CORP.OF ENGR.	CITY	VB	14	40	16	1937	OK
000466	NONE	ELMFURST DR BRIDGE O/BLANCHARD CANYON CHANNEL, BET TREBERT PL AND TRUEKNOLL	2	504-C6	CITY	CITY	VB	12	48	14	UNK	OK
001475	NONE	FOOTHILL BLVD BRIDGE O/BLANCHARD CANYON CHANEL, BTWN TUJUNGA CANYON PL AND MARNEICE AVE	2	504-C5	CITY	CITY	VB	12	97	14	1941	OK
001474	53C2038	FOOTHILL BLVD BRIDGE O/HAINES CANYON CHANNEL, W/O MCVINE AVE	2	503-G3	CITY	CITY	VB	28	90	33	1937	OK
001493	53C-2104	FOOTHILL BLVD BRIDGE O/LITTLE TUJUNGA WASH BET CLYBOURNE AVE AND ORCAS AVE	2	502-J1	CITY	CITY	VB	25	62	147	1925	OK
001472	53C2032	FOOTHILL BLVD BRIDGE O/SOUTH BRANCH BIG TUJUNGA WASH, W/O WENTWORTH ST	2	503-E2	CITY	CITY	VB	113	80	229	1975	OK
001471	53C2033	FOOTHILL BLVD BRIDGE O/TUJUNGA WASH, BTWN CONOVER ST AND WENTWORTH ST	2	503-D1	CITY	CITY	VB	55	52	650	1921	FO
001473	53C2037	FOOTHILL BLVD O/HAINES CYN (400' W/O MARCUS AVE)	2	504-B5	CITY	CITY	VB	41	80	45	1935	OK
000565	53C1176	FULTON AVE BRIDGE O/LOS ANGELES RIVER, BET VALLEYHEART DR N AND VALLEYHEART DR S	2	562-D5	CITY	CITY	VB	89	38	95	1951	FO
000920	53C1183	GLENDALES BLVD BRIDGE O/BURBANK-WESTERN CHANNEL, BET ROSCOE BLVD E AND ROSCOE BLVD W	2	533-B1	CITY	CITY	VB	35	90	39	1957	OK
000806	NONE	GREELEY ST BRIDGE O/HAINES CANYON CHANNEL, BET MARCUS AVE AND PINEWOOD AVE	2	504-B5	CORP.OF ENGR.	CITY	VB	14	39	16	1937	OK
000800	53C2048	HAINES CANYON AVE BRIDGE O/HAINES CANYON CHANNEL, 700 FT N/O APPERSON ST	2	504-B3	CORP.OF ENGR.	CITY	VB	62	70	71	1937	OK

City of Los Angeles
Bridges and Tunnels in Council District 2 (Total 78)

CITY #	STATE #	TITLE	CD	TG	OWNER	MAINT. BY	GENERAL USE*	MAX SPAN (FT)	WIDTH (FT)	LENGTH (FT)	YEAR BUILT	STRUCTURAL CONDITION**
000570	NONE	HAYWOOD ST BRIDGE O/BLANCHARD CANYON CHANNEL, BET TUJUNGA CANYON PL AND MARNICE AVE	2	504-C5	CORP.OF ENGR.	CITY	VB	10	54	12	1968	OK
000924	53C0247	HAZELTINE AVE BRIDGE O/LOS ANGELES RIVER	2	562-B4	CITY	CITY	VB	58	76	61	1960	OK
000809	NONE	HILLHAVEN AVE BRIDGE O/HAINES CANYON CHANNEL, BET FOOHILL BLVD AND LAS PLUMAS LN	2	504-A5	CORP.OF ENGR.	CITY	VB	19	49	22	1937	OK
000790	53C1205	HILLROSE ST BRIDGE O/HAINES CANYON CHANNEL, BET ORO VISTA AVE AND FLORALITA AVE	2	503-G3	CORP.OF ENGR.	CITY	VB	29	67	39	1936	OK
000810	NONE	HIRONDELLE LN BRIDGE O/HAINES CANYON CHANNEL, BET VALAHO DR AND VALAHOLANE	2	504-A5	CORP.OF ENGR.	CITY	VB	18	27	20	1937	OK
000922	53C1207	HOLLYWOOD WY BRIDGE O/BURBANK-WESTERN CHANNEL, BET GLENOAKS BLVD AND GOLDEN STATE EWY	2	533-C3	CITY	CITY	VB	30	91	34	1962	OK
000580	53C1216	KESTER AVE BRIDGE O/LOS ANGELES RIVER AT VALLEYHEART DR	2	561-J3	CITY	CITY	VB	72	86	75	1972	OK
001048	53C1221	LA TUNA CANYON RD BRIDGE O/HANSEN HEIGHTS CHANNEL, BET WHEATLAND AVE AND SUNLAND BLVD	2	503-A7	CITY	CITY	VB	23	86	22	1966	OK
000618	53C1222	LA TUNA CANYON RD BRIDGE O/LA TUNA CANYON LATERAL, 0.5 MILES E/O ELBEN AVE	2	503-E6	CORP.OF ENGR.	CITY	VB	20	23	82	1961	FO
001061	NONE	LA TUNA CYN RD BRIDGE O/BLANCHARD CANYON CHANNEL, 90' W/O TUJUNGA CANYON BLVD	2	504-C7	COUNTY	CITY	VB	12	82	14	1969	OK
000918	53C1223	LANARK ST BRIDGE O/BURBANK- WESTERN CHANNEL, BET GLENOAKS BLVD AND GOLDEN STATE FWY	2	533-B2	CORP.OF ENGR.	CITY	VB	30	51	34	1957	OK
000590	53C1229	LAUREL CANYON BLVD BRIDGE O/TUJUNGA WASH, BET LANDALE ST AND MOORPARK ST	2	562-G4	CITY	CITY	VB	78	113	80	1950	OK

**City of Los Angeles
Bridges and Tunnels in Council District 2 (Total 78)**

CITY #	STATE #	TITLE	CD	TG	OWNER	MAINT. BY	GENERAL USE*	MAX SPAN (FT)	WIDTH (FT)	LENGTH (FT)	YEAR BUILT	STRUCTURAL CONDITION**
000589	53C1234	LAUREL CANYON BLVD O/LOS ANGELES RIVER AT VALLEYHEART DR	2	562-G5	CITY	CITY	VB	83	96	110	1951	SD
000813	NONE	MC GROARTY ST BRIDGE O/HAINES CANYON CHANNEL, BET VALAHO DR AND THOUSAND OAKS DR	2	503-J5	CORP.OF ENGR.	CITY	VB	20	62.5	22	1937	OK
000769	53C1249	MC VINE AVE BRIDGE O/HAINES CANYON CHANNEL, BET FOOTHILL BLVD AND WYNGATE ST	2	503-G3	CORP.OF ENGR.	CITY	VB	28	56	33	1936	OK
000607	53C1709	MOORPARK ST BRIDGE O/LOS ANGELES RIVER, BET FULTON AVE AND DIXIE CANYON RD	2	562-D4	CITY	CITY	VB	150	47	166	1952	OK
000609	53C0076	MOORPARK ST BRIDGE O/TUJUNGA WASH, BET RADFORD AVE AND GENTRY AVE	2	562-G4	CORP.OF ENGR.	CITY	VB	121	63	129	1951	FO
000791	53C1720	MOUNT GLEASON AVE AND VALMONT ST BRIDGE O/HAINES CANYON CHANNEL	2	503-H4	CORP.OF ENGR.	CITY	VB	18	446	24	1936	OK
000588	53C1063	NETTLETON ST BRIDGE O/BORNBANK- WESTERN CHANNEL, BET GLENCREST DR AND GLENOAKS BLVD	2	533-B1	CORP.OF ENGR.	CITY	VB	30	60	33	1961	OK
000538	53C1760	ORO VISTA AVE BR O/TUJUNGA WASH, 600 FT N/O BIG TUJUNGA CYN RD	2	503-G1	CITY	CITY	VB	14	24	30	1971	OK
000789	53C1264	ORO VISTA AVE BRIDGE O/HAINES CANYON CHANNEL, BET HILLROSE ST AND OSWEGO ST	2	503-G3	CORP.OF ENGR.	CITY	VB	31	52	36	1937	OK
000622	53C1265	OSBORNE ST BRIDGE O/KAGEL CANYON WASH, BET LA COUNTY AND ELDRIDGE AVE	2	482-J7	CITY	CITY	VB	19	86	43	1977	OK
000624	53C1270	OXNARD ST BRIDGE O/TUJUNGA WASH, BET COLDWATER CANYON AVE AND ETHEL AVE	2	532-E7	CORP.OF ENGR.	CITY	VB	70	82	77	1952	OK
001019	NONE	PENDLETON ST BRIDGE O/HANSEN HEIGHTS CHANNEL, BET GLENOAKS BLVD AND CLYBURN AVE	2	503-A6	CITY	CITY	VB	20	60	22	1963	OK

City of Los Angeles
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CITY #	STATE #	TITLE	CD	TG	OWNER	MAINT. BY	GENERAL USE*	MAX SPAN (FT)	WIDTH (FT)	LENGTH (FT)	YEAR BUILT	STRUCTURAL CONDITION**
001016	NONE	PENROSE ST BRIDGE O/HANSEN HEIGHTS CHANNEL, W/O WHEATLAND AVE	2	503-A7	COUNTY	CITY	VB	20	58	22	1963	OK
000807	NONE	PINEWOOD AVE BRIDGE O/HAINES CANYON CHANNEL, BET FOOTHILL BLVD AND SHADYGROVE ST	2	504-A5	CORP.OF ENGR.	CITY	VB	14	48	16	1937	OK
000814	NONE	PLAINVIEW AVE BRIDGE O/HAINES CANYON CHANNEL AT THOUSAND OAKS DR	2	503-J4	CORP.OF ENGR.	CITY	VB	19	76	20	1937	OK
000636	53C1293	RADFORD AVE BRIDGE O/LOS ANGELES RIVER, BET VALLEYHEART DR N AND VALLEYHEART DR S	2	562-G5	CITY	CITY	VB	62	36	69	1950	FO
000647	53C1299	RIVERSIDE DR AND WHITSETT AVE BRIDGE O/TUJUNGA WASH	2	562-F3	CORP.OF ENGR.	CITY	VB	144	96	155	1950	OK
000808	53C1142	SAINT ESTABAN ST BRIDGE O/HAINES CANYON CHANNEL, AT COMMERCE AVE	2	504-A5	CORP.OF ENGR.	CITY	VB	106	30	310	1938	OK
000780	53C1313	SATICOY ST BR O/TUJUNGA WASH, BET VARNA AVE AND GREENBUSH AVE	2	532-C3	CITY	CITY	VB	70	84	76	1952	OK
000506	53C0269	SEPULVEDA BLVD BRIDGE O/LOS ANGELES RIVER, BET VALLEYHEART DR AND HESBY ST	2	561-H3	CITY	CITY	VB	94	104	102	1928	OK
000512	53C1322	SHERMAN WY BRIDGE O/TUJUNGA WASH, BET VARNA AVE AND ALLOTT AVE	2	532-C4	CITY	CITY	VB	72	95	80	1952	OK
001021	NONE	STONEHURST AVE BRIDGE O/HANSEN HEIGHTS CHANNEL AT ORCAS AVE	2	503-A5	COUNTY	CITY	VB	20	60	22	1963	OK
001018	53C1331	SUNLAND BLVD BRIDGE O/HANSEN HEIGHTS CHANNEL AT SUNLAND PARK DR	2	503-A6	COUNTY	CITY	VB	24	80	27	1963	OK
000824	53C1068	SUNSWEPT DR SIDEHILL BRIDGE, 800 FT NW/O VANETTA DR	2	562-F5	CITY	CITY	VB	15	26	120	1963	OK

