

## STAFF REPORT

**SUBJECT:** Status Report on Condition of Local Bridges

**MEETING DATE:** December 6, 2007 **AGENDA ITEM: 5**

**RECOMMENDATION:** Approve the staff report on the status of local bridges in Santa Barbara County for submittal to the SBCAG board.

**STAFF CONTACT:** Fred Luna / Gerald Comati

### SUMMARY:

The SBCAG board requested information in August 2007 on the condition of bridges in Santa Barbara County after a catastrophic bridge failure in Minneapolis, Minnesota. Caltrans provided a report to the board in September 2007 on the State highway bridges. This report focuses on local bridges located on non-highway routes. Overall, nearly 80% (140 out of 181) of all bridges (non-highway) countywide exhibit a high level of integrity with an average rating of 92.6 (out of 100). The remaining bridges are on an eligible funding list and local agencies have provided a status (planned, programmed, in design, or under construction) for making improvements to these bridges.

### DISCUSSION:

At the August 16, 2007 SBCAG board meeting, the board requested that staff work with Caltrans to provide a status report on the condition of all bridges in Santa Barbara County. This request came after the tragic bridge failure that resulted in several fatalities in Minnesota that occurred in the summer 2007. The work of reporting on bridge conditions was segregated into Caltrans reporting on state highway bridges and SBCAG staff, working in conjunction with the local agencies, reporting on local bridges. Caltrans provided their report to the SBCAG board at the September 20, 2007 meeting. SBCAG staff has prepared the attached tables which report on the condition of all bridges within local jurisdictions in Santa Barbara County. It is SBCAG's staff intent to present this information to the board at its December 20, 2007 meeting and we are requesting that TTAC review and approve the bridge report before it is submitted to the board.

### Bridge Condition Inspection, Ratings and Classifications

In California, the Department of Transportation (Caltrans) inspects bridges on the interstate and state highway systems as well as local bridges that are under the jurisdiction of local agencies. In the case of inspections conducted and reports prepared for local bridges, Caltrans works closely with the local public works departments to schedule inspections. Caltrans publishes this information on their website at <http://www.dot.ca.gov/hq/structur/strmaint/>.

Local, non-highway bridge inspections are done by Caltrans to enable bridges to become eligible for federal funding. The inspection program applies to bridges which are at least 20' in length and they are to be inspected every two years. It is important to note that even though Caltrans inspects bridges for funding eligibility, this does not relieve local agencies from the primary responsibility for maintaining and inspecting non-highway bridges in their jurisdictions. Accordingly, SBCAG staff used the Caltrans local, non-highway bridge inspection reports as a starting point in preparing this report for the SBCAG board. SBCAG staff then consulted with each local agency public works department regarding the bridges in their jurisdiction to provide them with an opportunity to have the final say over the condition of their bridges being reported to the SBCAG board.

### **Inspection Protocol and Definitions**

Each time a bridge is inspected, a Bridge Inspection Report (BIR) is prepared by the inspector and a copy of the BIR is sent to the Director of Public Works. The BIR results in an overall rating of the bridge called the Sufficiency Rating (SR) and may also indicate whether in the opinion of the inspector that the bridge is Structurally Deficient (SD) or Functionally Obsolete (FO). These ratings and determinations are significant in that they play a key role in determining which bridges are eligible for certain bridge funding programs for rehabilitation and replacement.

The **Sufficiency Rating (SR)** is the best indicator of the overall integrity of the bridge. The SR is reported as a percentage from 0% to 100%. A bridge scoring 100% would represent an entirely sufficient bridge and one scoring 0% would represent an entirely insufficient or deficient bridge. Factors that enter into the determination of the scoring include individual ratings for various elements of each bridge such as the deck, superstructure, substructure, bridge roadway width, etc. The individual elements are scored from 0 to 9, weighted and calculated to determine the overall sufficiency.

The **Structurally Deficient (SD)** category is based on an evaluation of a few key bridge features such as the condition of the deck, the superstructure, the substructure, and channel protection for instance. The SD determination may be given if any one of these features is determined deficient, however, at the same time the overall integrity of the bridge may still be acceptable based on the Sufficiency Rating.

The **Functionally Obsolete (FO)** category is based on an evaluation of a few of bridges key physical characteristics such as deck geometry, under-clearances, approach profile and alignment, and structural condition. An FO determination would indicate that a bridge is not functioning as it was originally intended in the traffic corridor it serves, for instance having lane widths that are too narrow to meet current standards.

## Summary of County Bridges

Table 1 below shows the total number of bridges based on the most recently available Caltrans inspection data available for bridges in Santa Barbara County. The bridges are shown by local jurisdictions and it can be seen that a huge majority of the bridges are located in the South Coast communities.

**Table 1**  
**County Bridges Inspected by Caltrans Forces**

Jurisdiction	Bridges
County of Santa Barbara <sup>1</sup>	96
City of Santa Barbara	51
City of Carpinteria	5
City of Goleta	17
City of Lompoc	4
City of Solvang	1
City of Buellton	0
City of Guadalupe	0
City of Santa Maria <sup>2</sup>	4
<b>Totals</b>	<b>178</b>

<sup>1</sup> The information obtained from Caltrans website shows 99 bridges within the jurisdiction of the County of Santa Barbara under inspection inventory. However, the County of Santa Barbara recently reported to their board a total of 122 bridges under inspection, 96 of which are in the Caltrans inventory.

<sup>2</sup> The City of Santa Maria has identified up to six bridges that are not currently part of the inventory of bridges inspected by Caltrans and is working to add them to the inspection inventory.

Depending on the sufficiency rating and the categorical determination of a particular bridge, local agencies have the ability to apply for funding under the federal Highway Bridge Program (HBP) which was defined in TEA-21 and continues in SAFETEA-LU. The purpose of the HBP is to replace or rehabilitate public highway bridges. Specifics as to the criteria for eligibility and types of work that are reimbursable are defined in the HBP Guidelines located on the Caltrans Local Assistance webpage <http://www.dot.ca.gov/hq/localprograms>. The most recognizable and significant work that is covered under the HBP is still bridge replacement and rehabilitation, though other work such as painting, scour countermeasures, and bridge railing, can be funded. Below is a description of how a project is considered for HBP funding for rehabilitation and replacement.

**Rehabilitation:** A bridge that has been determined to be either Structurally Deficient (SD) or Functionally Obsolete (FO) **and** has a Sufficiency Rating (SR) of less than or equal to 80.0 is eligible for funding for rehabilitation. The bridge is placed on the Eligible Bridge List (EBL). Rehabilitation funding is for major reconstruction of a bridge to meet current standards to meet the anticipated transportation needs at least 10 years into the future, and not to exceed the lesser of 20 years or the remaining design life of the rehabilitated bridge. Bridge replacement may be determined to be the most cost-effective way to "rehabilitate" a bridge whose Sufficiency Rating exceeds 50.0 and requires concurrence from Caltrans Structures Local Assistance.

**Replacement:** A bridge that has been determined to be either Structurally Deficient (SD) or Functionally Obsolete (FO) **and** has a Sufficiency Rating (SR) of less than or equal to 50.0 is eligible for funding for rehabilitation. Replacement funding as defined in the Code of Federal Regulations limits the scope of work in a bridge replacement project to the following definition:

*"Total replacement of a structurally deficient or functionally obsolete bridge with a new facility constructed in the same general traffic corridor. A nominal amount of approach work, sufficient to connect the new facility to the existing roadway or to return the grade line to an attainable touchdown point in accordance with good design practice is also*

eligible. The replacement structure must meet the current geometric, construction and structural standards required for the types and volume of projected traffic on the facility over its design life.”

### Local Bridges Eligible for Funding

Of the 181 bridges listed in Table 1, a total of 41 bridges are classified into either one of the two major categories that make them eligible for Rehabilitation or Replacement per the definitions described above. Table 2 shows how the bridges fall into various Sufficiency Rating categories by each jurisdiction.

**Table 2  
List of Local Bridges Eligible for Funding  
Showing Those Designated  
Functionally Obsolete (FO) / Structurally Deficient (SD)**

Jurisdiction	Total	Bridge Ratings					
		Sufficiency Rating 50 to 80		Sufficiency Rating <50		Sufficient Rating >80	Avg Rating (Bridges w/SR>80).
		SD	FO	SD	FO		
County of Santa Barbara	96	6	5	3	3	79	93.2
City of Santa Barbara	51	8	6	6	2	29	91.2
City of Carpinteria	5	1	0	0	0	4	95.8
City of Goleta	17	0	0	1	0	16	91.1
City of Lompoc	4	0	0	0	0	4	97.8
City of Solvang	1	0	0	0	0	1	82.5
City of Buellton	0	Not Applicable					
City of Guadalupe	0	Not Applicable					
City of Santa Maria	4	0	0	0	0	4	95.6
<b>Totals</b>	<b>178</b>	<b>15</b>	<b>11</b>	<b>10</b>	<b>5</b>	<b>137</b>	<b>92.6</b>

Of the 41 bridges with a Sufficiency Rating less than 80 designated either SD/FO, 39 of those bridges are under the jurisdiction of the County of Santa Barbara or the City of Santa Barbara. On November 20, 2007, county staff presented a report to the Board of Supervisors that outlined a status of improvements being completed, or that are planned for those bridges eligible for HBP funding. Likewise, the City of Santa Barbara recently presented a prioritization plan to its City Council in September 2007 for bridges it has determined eligible for HBR funding.

The 137 bridges countywide that are not on the eligible list exhibit a high state of integrity as shown by the Average Sufficiency Rating for those bridges shown in Table 2. The countywide average is 92.6. Attached to this staff report is a listing of all the bridges in the county (grouped by jurisdiction). Included in those tables is the following information: bridge number, name, location, and its Sufficiency Rating, along with a SD/FO determination. A comment on the current status of any planned or programmed improvements has also been included.

### Conclusion

The bridges in Santa Barbara County are under continual inspection and evaluation. A total of 181 local bridges are inspected by Caltrans forces every two years to determine whether any deficiencies exist that make them eligible for federal funding. Local agencies have the primary responsibility for the safety of bridges in their jurisdiction, however. Currently 41 bridges countywide have been inspected and shown to have a Sufficiency Rating of less than 80.0 **and**

are determined Functionally Obsolete or Structurally Deficient. As such, the 41 bridges are on an "Eligible Bridge List" for improvements under the HBRR federal bridge program. A complete list of the bridges has been attached to the staff report along with any planned or programmed improvements for those on the EBL.

**RECOMMENDATION:**

Approve this staff report including attachments for submittal to the SBCAG board in December

**ATTACHMENTS:**

1. List of All County Bridges Grouped by Jurisdiction

## Bridges in the County of Santa Barbara

Bridge No.	Bridge Name	Location	Sufficiency Rating	Structurally Deficient (SD)	Functionally Obsolete (FO)	Current Status
51C0001	SAN ANTONIO CREEK	CATHEDRAL OAKS ROAD	41.5	SD		Programmed for partial replacement and partial retrofit.
51C0002	MARIA YGNACIA CREEK	SAN MARCOS ROAD	76.0	SD		Programmed for seismic retrofit.
51C0006	SANTA YNEZ RIVER	FLORADALE AVENUE	92.0	SD		
51C0031	SOLOMON CANYON CREEK	BLACK ROAD	61.2	SD		Programmed for replacement.
51C0102	CAT CANYON CREEK	FOXEN CANYON ROAD	95.2	SD		
51C0137	ROMERO CREEK	FERNALD POINT LANE	68.2	SD		Funding requests currently being developed.
51C0154	TURNPIKE ROAD OVERHEAD	TURNPIKE ROAD	79.3	SD		
51C0158	GOLETA SLOUGH	SANDSPIT ROAD	74.8	SD		
51C0214	SAN JOSE CREEK	KINEVAN ROAD	32.5	SD		Funding requests currently being developed.
51C0225	ZACA CREEK	JONATA PARK ROAD	2.0	SD		
51C0313	BRADLEY CANYON CHANNEL	BETTERAVIA ROAD	63.0	SD		Funding requests currently being developed.
51C0013	SALSIPUEDES CREEK	JALAMA ROAD	48.8		FO	
51C0039	RINCON CREEK	RINCON HIL ROAD	67.9		FO	
51C0043	MONTECITO CREEK	ASHLEY ROAD	53.8		FO	
51C0047	SAN YSIDRO CREEK	SAN LEANDRO LANE	56.8		FO	
51C0049	BUENA VISTA CREEK	SHEFFIELD DRIVE	92.3		FO	
51C0052	MISSION CREEK	MISSION CANYON ROAD	73.9		FO	Funding requests currently being developed.
51C0080	ALAMO PINTADO CREEK	ALMO PINTADO ROAD	94.6		FO	
51C0161	PADARO LANE OVERHEAD	PADERO LANE	90.9		FO	
51C0174	SANTA YNEZ RIVER	AVENUE OF THE FLAGS	69.3		FO	Programmed for seismic retrofit.
51C0188	LEWIS CREEK	PARADISE ROAD	81.9		FO	
51C0200	BUENA VISTA CREEK	LILAC LANE	91.9		FO	
51C0203	HOT SPRINGS CREEK	MOUNTAIN DRIVE	91.8		FO	
51C0204	BUENA VISTA CREEK	OAK GROVE DRIVE	93.0		FO	
51C0218	REFUGIO CREEK	REFUGIO ROAD	77.4		FO	Funding requests currently being developed.
51C0226	ZACA CREEK	JONATA PARK ROAD	30.2		FO	Programmed for replacement.
51C0234	GRACIOSA CANYON CREEK	CLARK AVENUE	80.1		FO	
51C0341	ROMERO CREEK	NORTH JAMESON LANE	95.2		FO	
51C0342	SAN YSIDRO CREEK	NORTH JAMESON LANE	95.2		FO	
51C0343	OAK CREEK	NORTH JAMESON LANE	88.5		FO	
51C0014	SALSIPUEDES CREEK	JALAMA ROAD	71.1			
51C0016	RAMAJAL CREEK	JALAMA ROAD	88.8			
51C0017	JALAMA CREEK	JALAMA ROAD	67.5			
51C0018	HOLLISTER AVENUE OVERHEAD	UP RR AND AMTRAK				
51C0019	JALAMA CREEK	JALAMA ROAD	71.2			
51C0020	EAST BRANCH SALSIPUEDES CREEK	SANTA ROSA ROAD	99.2			
51C0032	SAN ANTONIO CREEK	SAN ANTONIO ROAD	98.9			
51C0035	SCHUMAN OVERHEAD	BLACK ROAD	61.4			
51C0036	CASMALIA OVERHEAD	LOMPOC CASMALIA ROAD	57.9			Funding requests currently being developed.
51C0041	MONTECITO CREEK	HOT SPRINGS ROAD	94.6			
51C0058	ATASCADERO CREEK	PUENTE DRIVE	93.5			
51C0062Z	SAN ANTONIO CREEK	VALA DRIVE	79.0			
51C0063	MARIA YGNACIA CREEK	CATHEDRAL OAKS ROAD	94.3			
51C0068	GLENN ANNIE CREEK	GLENN ANNIE ROAD	78.0			
51C0070	SAN ANTONIO CREEK	SAN MARCOS ROAD	94.6			
51C0071	SAN JOSE CREEK	PATTERSON AVENUE	97.6			
51C0072	LOS LAURELES CREEK	PARADISE ROAD	77.6			
51C0074	SANTA AQUEDA CREEK	ARMOUR RANCH ROAD	99.9			
51C0075	SANTA AQUEDA CREEK	HAPPY CANYON ROAD	82.4			

## Bridges in the County of Santa Barbara

Bridge No.	Bridge Name	Location	Sufficiency Rating	Structurally Deficient (SD)	Functionally Obsolete (FO)	Current Status
51C0077	ALAMO PINTADO CREEK	ALMO PINTADO ROAD	94.7			
51C0078	ALAMO PINTADO CREEK	ALMO PINTADO ROAD	95.6			
51C0079	ALAMO PINTADO CREEK	BASELINE AVENUE	98.4			
51C0081	ALAMO PINTADO CREEK	ALMO PINTADO ROAD	80.8			
51C0084	ALAMO PINTADO CREEK	FIGUEROA MOUNTAIN ROAD	94.0			
51C0086	ZACA CREEK	FOXEN CANYON ROAD	99.7			
51C0090	SALSIPUEDES CREEK	JALAMA ROAD	65.8			
51C0091	JALAMA CREEK	JALAMA ROAD	91.3			
51C0095	SISQUOC RIVER (GAREY BRIDGE)	SANTA MARIA MSA ROAD	97.6			
51C0097	TEPUSQUET CREEK	TEPUSQUET ROAD	83.0			
51C0101	COLSON CREEK	TEPUSQUET ROAD	76.3			
51C0125	BUCKHORN CREEK	TEPUSQUET ROAD	84.7			
51C0138	SAN YSIDRO CREEK	FERNALD POINT LANE	46.9			
51C0157	SAN ANTONIO CREEK	BELL STREET	99.5			
51C0162	TORO CREEK	VIA REAL	76.7			
51C0163	TORO CREEK	PADERO LANE	84.1			
51C0173	NOJOQUI CREEK	SANTA ROSA ROAD	69.6			
51C0175	ZACA CREEK	AVENUE OF THE FLAGS	84.6			
51C0180	ORCUTT CREEK	BLOSSER ROAD	93.2			
51C0181	ORCUTT CREEK	SOLOMON ROAD	99.8			
51C0185	ATASCADERO CREEK	PATTERSON AVENUE	73.3			
51C0189	HAPPY CANYON CREEK	HAPPY CANYON ROAD	97.2			
51C0190	HAPPY CANYON CREEK	ALISOS ROAD	94.2			
51C0191	SAN ANTONIO CREEK	ST JOSEPH STREET	92.6			
51C0194	SAN JOSE CREEK	CATHEDRAL OAKS ROAD	94.4			
51C0195	LOS CARNEROS ROAD PUC	LOS CARNEROS ROAD	95.8			
51C0201	CARPINTERIA CREEK	LILLINGSTON CANYON ROAD	79.8			
51C0202	SAN YSIDRO CREEK	MOUNTAIN DRIVE	69.6			
51C0215	SAN JOSE CREEK	KINEVAN ROAD	88.5			
51C0216	CIENEGUITAS CREEK	NOGAL DRIVE	70.4			
51C0217	SANTA YNEZ RIVER	REFUGIO ROAD	99.1			
51C0219	MARIA YGNACIA CREEK	UNIVERSITY DRIVE	97.9			
51C0220	TECOLOTE CREEK	VERDE DEL PADRE	97.0			
51C0221	TECOLOTE CREEK	VAREDA GALERIA	97.0			
51C0222	TECOLOTE CREEK	VAREDA LEYENDA	96.0			
51C0223	SAN ANTONIO CREEK	AUGUSTA LANE	66.0			
51C0224	RODEO SAN PASQUAL CHANNEL	CENTRAL AVENUE	95.5			
51C0230	BONITA SCHOOL ROAD LOW WATER CROSSING	BONITA SCHOOL ROAD	84.2			
51C0236	BUENA VISTA CREEK	ALISOS ROAD	97.0			
51C0241	OAK CREEK	SINALOA DRIVE	96.9			
51C0266	SAN ANTONIO CREEK	TUCKER'S GROVE	95.9			
51C0298	ZACA CREEK	MCMURRAY ROAD	80.0			
51C0309	ORCUTT CREEK	CLARK AVENUE	95.5			
51C0310	SAN ANTONIO CREEK	HARRIS GRADE ROAD	94.3			
51C0311	SAN MIGUELITO CREEK	WEST OCEAN AVENUE	96.9			
51C0312	RODEO SAN PASQUAL CHANNEL	WEST OCEAN AVENUE	99.3			
51C0321	LA CUMBRE ROAD SEPARATION AND OVERHEAD	LA CUMBRE ROAD	87.7			
51C0351	SAN PEDRO CREEK	DALEY STREET	97.9			
51C0354	SANJA DE COTA CREEK	SANTA COTA ROAD	97.9			
51P0008	EL CAPITAN UP	UP RR AND AMTRAK				

## Bridges in the City of Santa Barbara

Bridge No.	Bridge Name	Location	Sufficiency Rating	Structurally Deficient (SD)	Functionally Obsolete (FO)	Current Status
51C0057	ARROYO BURRO CREEK	CLIFF DRIVE	52.4	SD		City has completed an independent bridge assessment and has determined that no immediate action is required.
51C0128	TECOLOTITO CREEK	HOLLISTER AVENUE	90.6	SD		
51C0132	MISSION CREEK	GUTIERREZ STREET	45.7	SD		
51C0133	MISSION CREEK	STATE STREET	63.3	SD		
51C0147	MISSION CREEK	CARRILLO STREET	89.1	SD		
51C0149	MISSION CREEK	ARRELLAGA STREET	89.9	SD		
51C0151	MISSION CREEK	MISSION STREET	64.7	SD		
51C0243	MISSION CREEK	ALAMAR AVENUE	67.8	SD		
51C0244	MISSION CREEK	DE LA VINA STREET	23.7	SD		Replacement design is underway (HBR funding)
51C0247	MISSION CREEK	DE LA VINA STREET	60.0	SD		
51C0249	MISSION CREEK	MONTECITO STREET	57.6	SD		City has completed an independent bridge assessment and has determined that no immediate action is required.
51C0250	MISSION CREEK	CHAPALA STREET	40.7	SD		
51C0260	MISSION CREEK	STATE STREET	92.1	SD		
51C0261	SAN PEDRO CREEK	JAMES FOWLER ROAD	64.0	SD		Replacement design is underway (HBR funding)
51C0300	MISSION CREEK	ORTEGA STREET	56.4	SD		
51C0301	MISSION CREEK	DE LA GUERRA STREET	42.0	SD		City has completed an independent bridge assessment and has determined that no immediate action is required.
51C0314	MISSION CREEK	ANAPAMU STREET	35.1	SD		
51C0326	MISSION CREEK	WEST CABRILLO BOULEVARD	42.7	SD		Replacement design is underway (HBR funding)
51C0051	MISSION CREEK	MISSION CANYON ROAD	47.2		FO	
51C0054	RATTLESNAKE CANYON	LAS CANOAS ROAD	51.7		FO	
51C0056	SAN ROQUE CREEK	ONTARE ROAD	53.3		FO	
51C0245	MISSION CREEK	PUEBLO STREET	73.4		FO	
51C0246	MISSION CREEK	COTA STREET	48.8		FO	
51C0290	MISSION CREEK	VALERIO STREET	57.2		FO	
51C0294	SYCAMORE CREEK	CARPINTERIA STREET	63.0		FO	
51C0345	SYCAMORE CANYON CREEK	SR 144	53.4		FO	
51C0127	CARNEROS CREEK	HOLLISTER AVENUE	81.2			
51C0131	SAN PEDRO CREEK	HOLLISTER AVENUE	90.8			
51C0145	MISSION CREEK	CASTILLO STREET	91.6			
51C0146	CARRILLO STREET UNDERPASS	UP RR AND AMTRAK				
51C0150	MISSION CREEK UNDERPASS	UP RR AND AMTRAK				
51C0242	SAN ROQUE CREEK	STATE STREET	93.2			
51C0285	SYCAMORE CREEK	QUINIENTOS STREET	62.7			
51C0286	SYCAMORE CREEK	PUNTA GORDA STREET	63.7			
51C0287	MISSION CREEK	MASON STREET	80.9			
51C0288	ARROYO BURRO CREEK	TORINO DRIVE	99.9			
51C0289	MISSION CREEK	ISLAY STREET	57.3			
51C0291	SYCAMORE CREEK	POR LAMAR DRIVE	75.2			
51C0292	SYCAMORE CREEK	NINOS DRIVE	86.2			
51C0293	SYCAMORE CREEK	ZOOLOGICAL GARDEN	86.3			
51C0302	MISSION CREEK	JUNIPERO STREET	94.3			
51C0303	MISSION CREEK	TALLANT ROAD	90.5			
51C0304	CARNEROS CREEK	FIRESTONE ROAD	96.6			
51C0306	MISSION CREEK	PEDREGOSA STREET	58.4			
51C0308	ARROYO BURRO CREEK	CALLE DE LOS AMIGO	96.0			
51C0316	LOMA ALTA DRIVE POC	LOMA ALTA DRIVE				
51C0323	LAGUNA DRAINAGE CHANNEL	YANONALI STREET	90.8			
51C0325	MISSION CREEK	BATH STREET	97.3			
51C0328	SYCAMORE CREEK	EAST CABRILLO BOULEVARD	71.8			
51C0329	SANTA BARBARA UNDERPASS	UP RR AND AMTRAK				

**Bridges in the City of Santa Barbara**

Bridge No.	Bridge Name	Location	Sufficiency Rating	Structurally Deficient (SD)	Functionally Obsolete (FO)	Current Status
51C0339	LAGUNA CHANNEL	EAST CABRILLO BOULEVARD	95.0			

## Bridges in the City of Carpinteria

Bridge No.	Bridge Name	Location	Sufficiency Rating	Structurally Deficient (SD)	Functionally Obsolete (FO)	Current Status
51C0142	FRANKLIN CREEK	CARPINTERIA AVENUE	94.3	SD		City is aware of the SD designation and is investigating future actions.
51C0172	CARPINTERIA CREEK	CARPINTERIA ROAD	51.7	SD		City is aware of need for bridge replacement. Currently the replacement is included in the City's Capital Improvement Plan.
51C0050	FRANKLIN CREEK	SEVENTH STREET	96.5			
51C0143	SANTA MONICA CREEK	CARPINTERIA AVENUE	97.3			
51C0295	FRANKLIN CREEK	MALIBU DRIVE	95.0			

## Bridges in the City of Goleta

Bridge No.	Bridge Name	Location	Sufficiency Rating	Structurally Deficient (SD)	Functionally Obsolete (FO)	Current Status
51C0155	PATTERSON AVENUE OVERHEAD	PATTERSON AVENUE	86.0	SD		City is considering Caltrans bridge assessment data and will address accordingly.
51C0168	LOS CARNEROS ROAD OVERHEAD	LOS CARNEROS ROAD	23.9	SD		Replacement of bridge is anticipated by 2011. Funding through HBP.
51C0192	CARNEROS CREEK	CATHEDRAL OAKS ROAD	92.0	SD		City is considering Caltrans bridge assessment data and will address accordingly.
51C0209	GLENN ANNIE CREEK	CATHEDRAL OAKS ROAD	80.2		FO	
51C0315	LAS VEGAS CREEK	SHIRRELL WAY	93.1		FO	
51C0007	GLENN ANNIE CREEK	GLENN ANNIE ROAD	83.9			
51C0026	MARIA YGNACIO CREEK	HOLLISTER AVENUE	93.2			
51C0027	SAN JOSE CREEK	HOLLISTER AVENUE	87.7			
51C0067	SAN PEDRO CREEK	STOW CANYON ROAD	97.8			
51C0130	ELLWOOD OVERHEAD	HOLLISTER AVENUE	91.2			
51C0156	SAN JOSE CREEK	CALLE REAL ROAD	95.8			
51C0169	CARNEROS CREEK	LOS CARNEROS ROAD	82.2			
51C0186	SAN PEDRO CREEK	CATHEDRAL OAKS ROAD	94.6			
51C0212	LAS VEGAS CREEK	CALLE REAL ROAD	95.7			
51C0240	TECOLOTITO CREEK	LOS CARNEROS ROAD	90.1			
51C0322	GLENN ANNIE CREEK ROAD OVERHEAD	GLENN ANNIE ROAD	95.9			
51C0330	GOLETA OVEREHAD	FAIRVIEW AVENUE	97.6			

**Bridges in the City of Lompoc**

Bridge No.	Bridge Name	Location	Sufficiency Rating	Structurally Deficient (SD)	Functionally Obsolete (FO)	Current Status
51C0317	SAN MIGUELITO CHANNEL	NORTH AVENUE	96.4			
51C0318	SAN MIGUELITO CHANNEL	COLLEGE AVE	96.7			
51C0319	SAN MIGUELITO CHANNEL	PINE AVENUE	99.4			
51C0320	SAN MIGUELITO CHANNEL	CENTRAL AVE	98.8			

**Bridges in the City of Solvang**

Bridge No.	Bridge Name	Location	Sufficiency Rating	Structurally Deficient (SD)	Functionally Obsolete (FO)	Current Status
51C0008	SANTA YNEZ RIVER	ALISAL ROAD	82.5			

## Bridges in the City of Santa Maria

Bridge No.	Bridge Name	Location	Sufficiency Rating	Structurally Deficient (SD)	Functionally Obsolete (FO)	Current Status
51C0332	BLOSSER CHANNEL	RANCHO VERDE STREET	94.8	SD		City undertaking Methacrylate sealing of deck
51C0331	SUEY CROSSING	SUEY CROSSING ROAD	91.8			
51C0333	BLOSSER CHANNEL	TAYLOR STREET	97.8			
51C0334	BRADLEY CHANNEL	RAILROAD AVENUE	97.8			