



# State Highway Operations and Protection Program



**Board of Directors Meeting  
December 10, 2007**

# CALIFORNIA HIGHWAY SYSTEM



CALIFORNIA  
HIGHWAYS

- 50,000+ Lane Miles
- 12,500+ Bridges
- 27,200 Acres Landscape
- 205,000+ Culverts
- 87 Safety Roadside Rests

# STATE HIGHWAY OPERATIONS AND PROTECTION PROGRAM (SHOPP)

**The purpose of the SHOPP is to maintain and preserve the investment in the State Highway System and its supporting infrastructure**

# SHOPP - STATUTORY DEFINITION

## State Highway Operation and Protection Program (SHOPP)

*Amended: Statutes of 1992, Chapter 1177 (SB 1435)*

14526.5. (a) The department shall prepare a state highway operation and protection program for the expenditure of transportation funds for major capital improvements that are necessary to preserve and protect the state highway system. Projects included in the program shall be limited to capital improvements relative to maintenance, safety, and rehabilitation of state highways and bridges which do not add a new traffic lane to the system.

(b) The program shall include projects which are expected to be advertised prior to July 1 of the year following submission of the program, but which have not yet been funded. The program shall include those projects for which construction is to begin within four fiscal years, starting July 1 of the year following the year the program is submitted.

(c) The program shall be submitted to the commission not later than January 31 of each even-numbered year. Prior to submitting the plan, the department shall make a draft of its proposed program available to transportation planning agencies for review and comment and shall include the comments in its submittal to the commission.

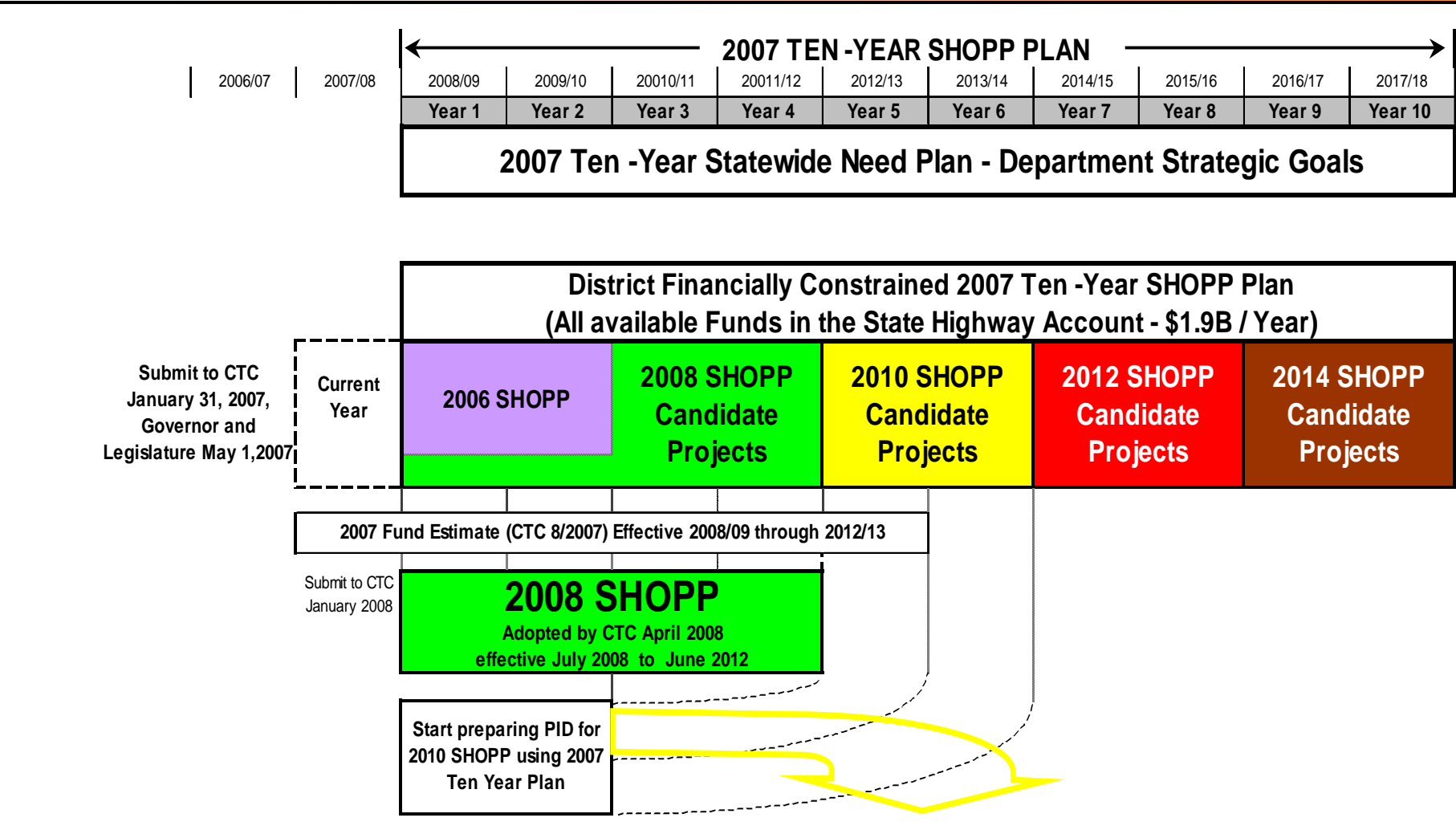
(d) The commission may review the program relative to its overall adequacy, level of annual funding needed to implement the program, and the impact of those expenditures on the state transportation improvement program. The commission shall approve and submit the program to the Legislature and the Governor not later than April 1 of each even-numbered year.

(e) Expenditures for these projects shall not be subject to Sections 188 and 188.8 of the Streets and Highways Code.

# SHOPP CYCLE



# TEN YEAR SHOPP PLAN



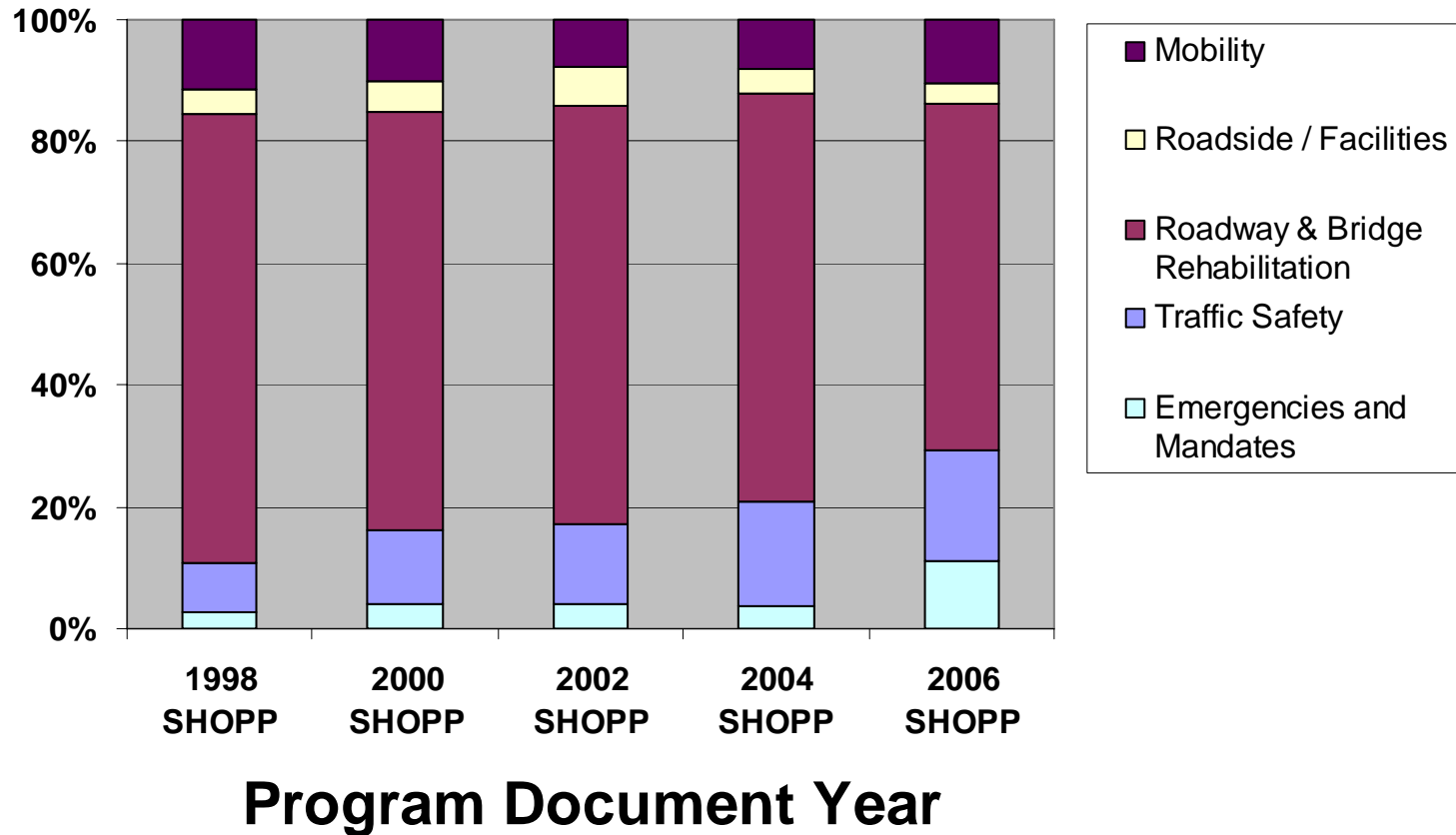
# SHOPP CATEGORIES

- Emergency Response
- Collision Reduction (safety)
- Legal and Regulatory Mandates
- Bridge Preservation
- Roadway Preservation
- Mobility (operational) Improvement
- Roadside Improvement
- Facility Improvement

*Each category has specific goals*

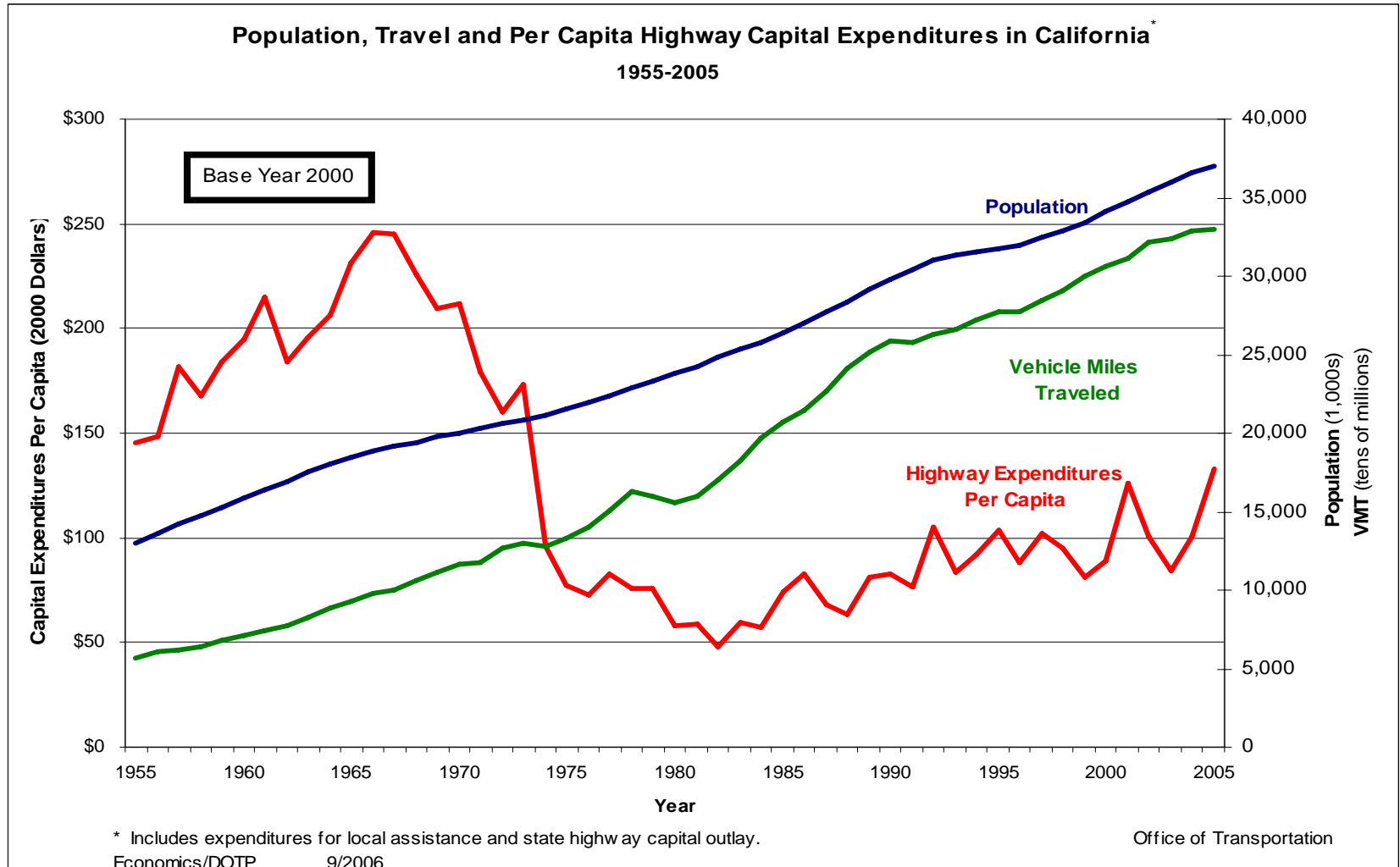
# RECENT SHOPP DISTRIBUTION

Percent of Total SHOPP Funding

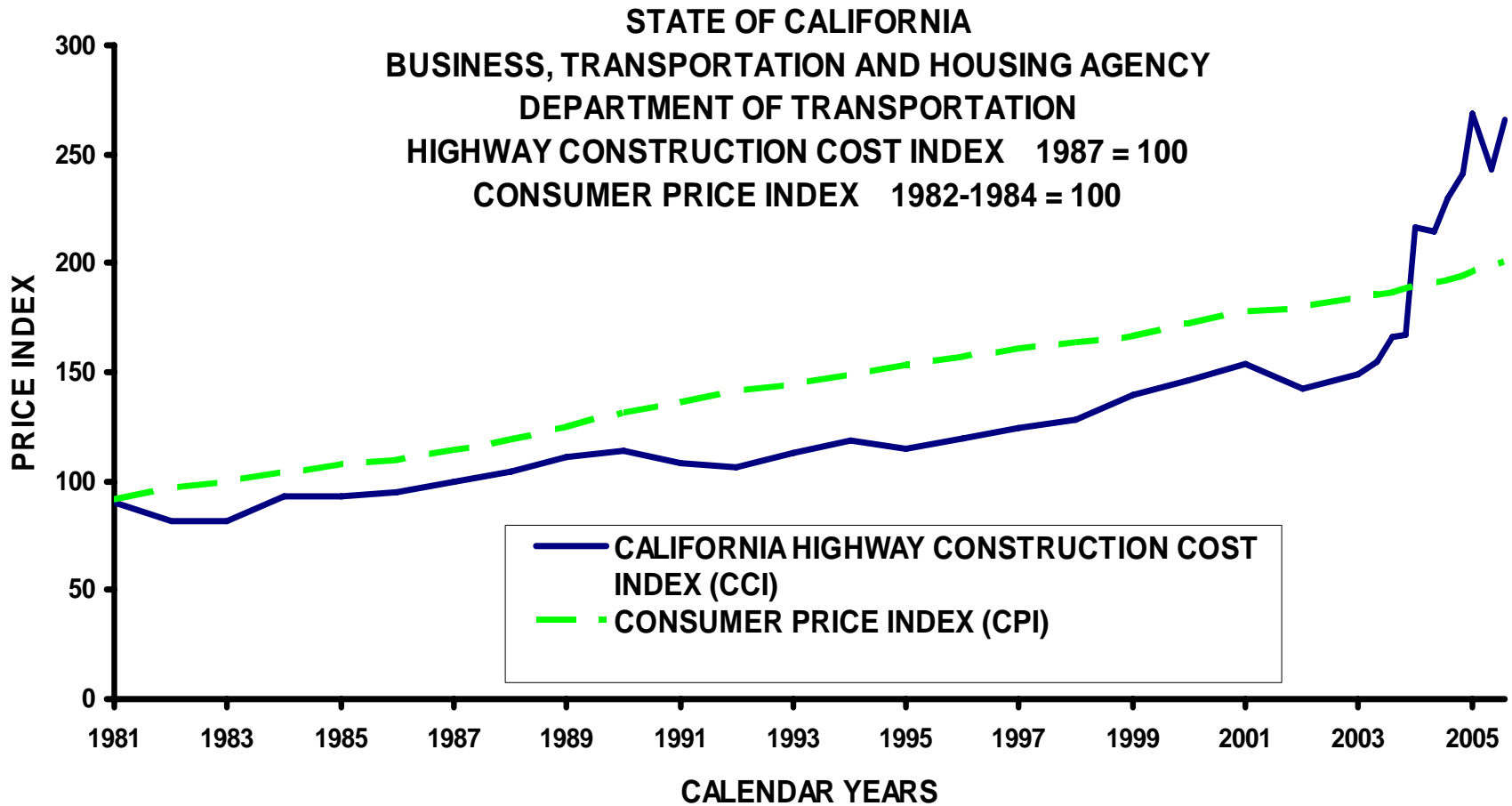




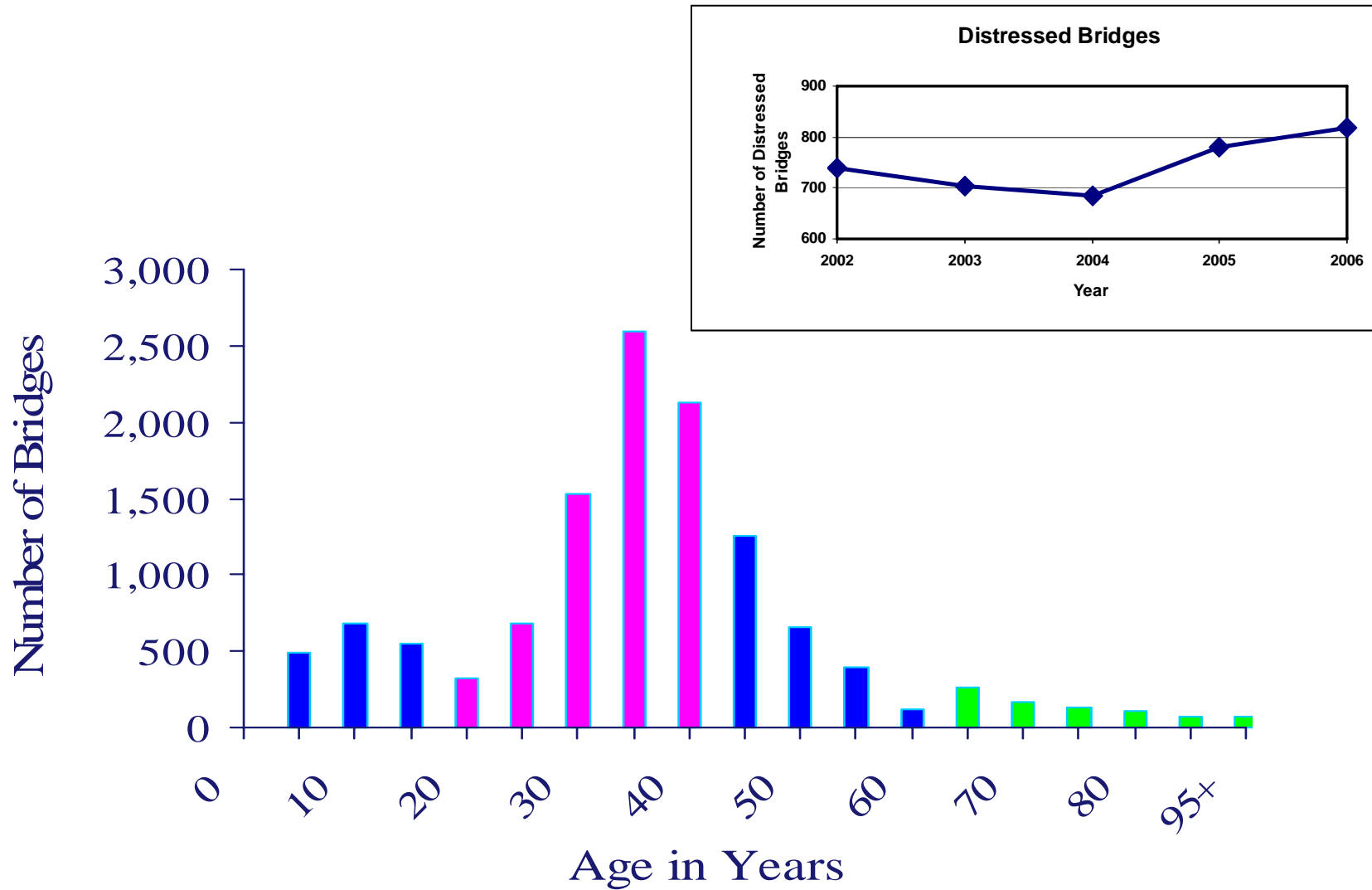
# OPERATIONAL DEMANDS



# REDUCED BUYING POWER

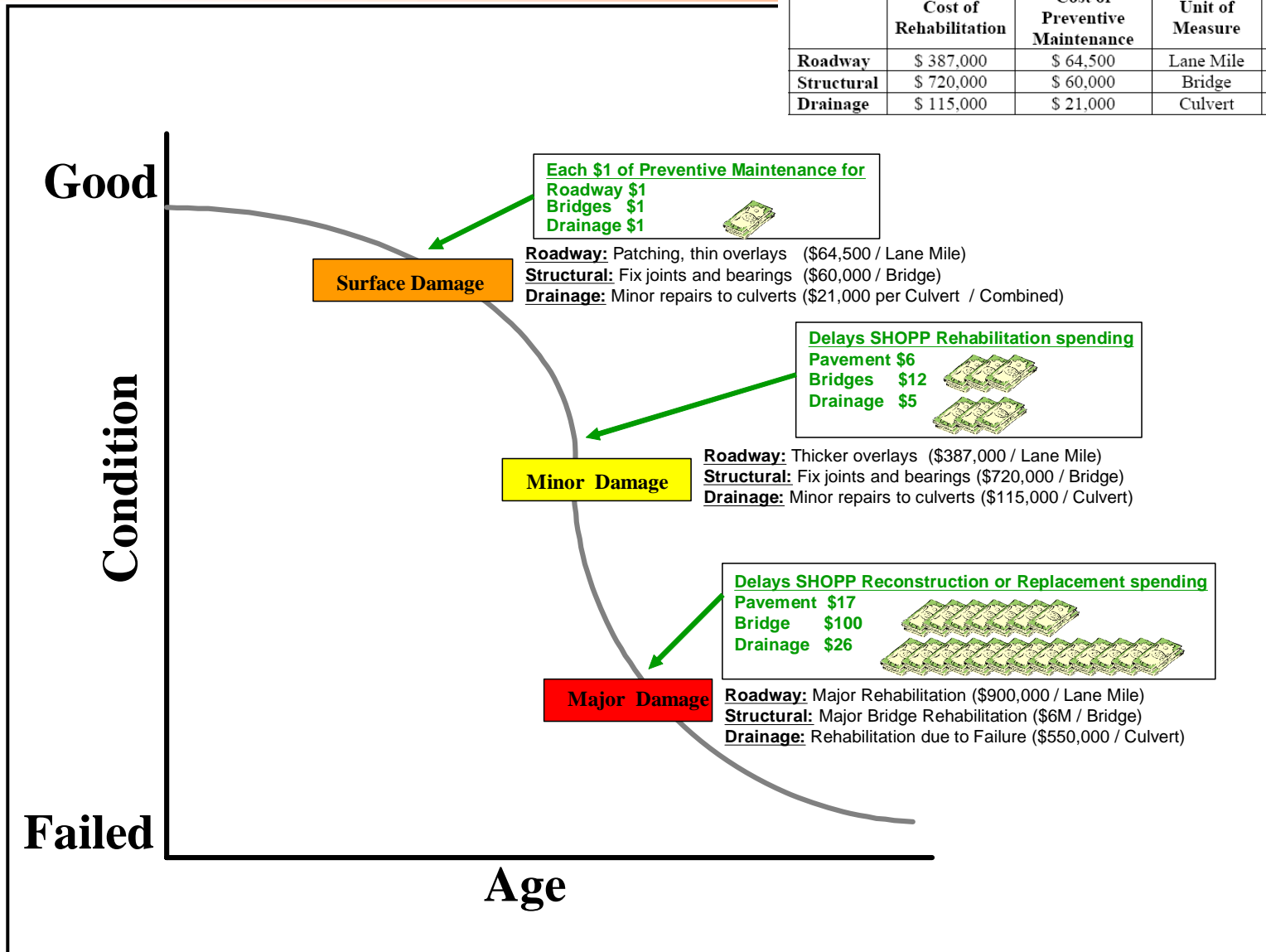


# AGING BRIDGES



# COST EFFECTIVENESS

	Cost of Rehabilitation	Cost of Preventive Maintenance	Unit of Measure	Cost-Benefit Ratio
Roadway	\$ 387,000	\$ 64,500	Lane Mile	6:1
Structural	\$ 720,000	\$ 60,000	Bridge	12:1
Drainage	\$ 115,000	\$ 21,000	Culvert	5:1



# TEN YEAR SHOPP - SYSTEM CONDITION

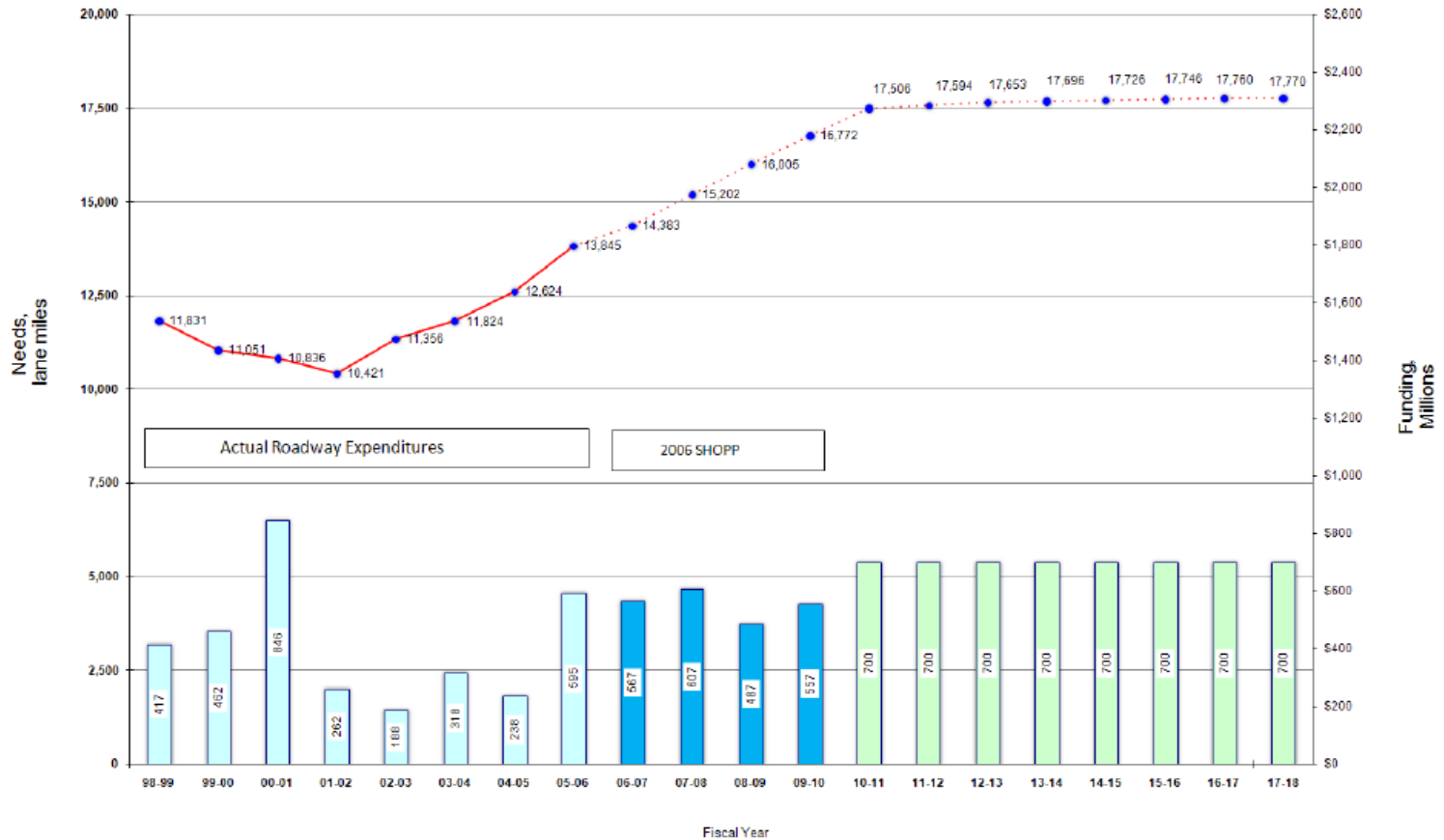
Category	SHOPP Needs		SHOPP Funding for 2008 FE	
	Annual Cost (\$M)	Annual Performance Units	Annual Cost (\$M)	Annual Performance Units
Bridge Rehabilitation	\$ 321.5	130 Bridges	\$ 186.4	56 Bridges
Bridge Scour Mitigation	\$ 28	9 Bridges	\$ 24.2	8 Bridges
Bridge Rail Replacement/Upgrade	\$ 85.5	17,200 Feet	\$ 27	5,400 Feet
Bridge Seismic Restoration	\$ 141.6	62 Bridges	\$ 41.8	17 Bridges
Bridge Widening	\$ 5.7	1 Bridge	\$ 6.7	2 Bridges
Trans Permit Requirements for Bridges	\$ 28.8	10 Bridges	\$ 9.3	5 Bridges
<b>BRIDGE</b>	<b>\$ 611</b>		<b>\$ 295</b>	
Roadway Rehabilitation	\$ 1,863.7	3,106 Lane Miles	\$ 700	2,504 Lane Miles
Pavement Rehabilitation				
Long-Life Pavement Corridors				
Roadway Protective Betterment	\$ 20	TBD Locations	\$ 15	TBD Locations
Drainage System Restoration	\$ 179	1,550 Culverts	\$ 29.9	328 Culverts
Signs and Lighting Rehabilitation	\$ 10	TBD Signs	\$ 5	TBD Signs
<b>ROADWAY</b>	<b>\$ 2,073</b>		<b>\$ 750</b>	
Highway Planting Restoration	\$ 114	1,200 Acres	\$ 18.7	287 Acres
Freeway Maintenance Access	\$ 4	148 Locations	\$ 4	88 Locations
Roadside Enhancement	\$ 6	8 Locations	\$ 3	TBD Locations
Beautification and Modernization	\$ 9	12 CL Miles	\$ -	0 CL Miles
Safety Roadside Rest Area Restoration	\$ 40.2	8 Locations	\$ 21.9	5 Locations
New Safety Roadside Rest Areas	\$ 4.8	Six Partnership projects over ten years	\$ 2.4	Three Partnership projects over ten years
<b>ROADSIDE</b>	<b>\$ 178</b>		<b>\$ 50</b>	
Equipment Facilities	\$ 11	2 Facilities	\$ 4.8	1 Facility
Maintenance Facilities	\$ 50.8	22 Facilities	\$ 26.5	8 Facilities
Office Buildings	\$ 15.1	1 Facility	\$ 10	5 Facilities in 10 yr period
Materials Lab	\$ 3	1 Facility	\$ 3	1 Facility
<b>FACILITIES IMPROVEMENTS</b>	<b>\$ 80</b>		<b>\$ 44</b>	
Emergency Damage Repair	\$ 55	TBD Locations	\$ 55	TBD Locations
Permanent Restoration	\$ 55	TBD Locations	\$ 55	TBD Locations
<b>SUBTOTAL FOR SYSTEM CONDITION</b>	<b>\$ 2,942</b>		<b>\$ 1,139</b>	

# TEN YEAR SHOPP – OPS PERFORMANCE

Category	SHOPP Needs			SHOPP Funding for 2008 FE		
	Annual Cost (\$M)	Annual Performance Units		Annual Cost (\$M)	Annual Performance Units	
<b>EMERGENCY RESPONSE</b>	<b>\$ 110</b>			<b>\$ 110</b>		
Safety Improvements	\$ 200	390	Fatal and Injury Collisions reduced	\$ 200	390	Fatal and Injury Collisions reduced
Collision Severity Reduction	\$ 100	180	Locations	\$ 100	180	Locations
Median Barrier Upgrade	\$ 17.4	8	Locations	\$ 17.4	8	Locations
<b>COLLISION REDUCTION</b>	<b>\$ 317</b>			<b>\$ 317</b>		
Relinquishments	\$ 20	22	Centerline Miles	\$ 12	TBD	Centerline Miles
Noise Attenuation for Schools	\$ 1	TBD	Locations	\$ -	TBD	Locations
Railroad	\$ 5	5	Locations	\$ 5	TBD	Locations
Hazardous Waste Mitigation	\$ 1	1	Location	\$ 1	TBD	Locations
Storm Water	\$ 265	TBD	Locations	\$ 125	TBD	Locations
ADA Curb Ramp	\$ 4	TBD	Locations	\$ 1	TBD	Locations
<b>MANDATES</b>	<b>\$ 296</b>			<b>\$ 144</b>		
Operational Improvements	\$ 190	24,000	Daily Veh-Hr of Delay	\$ 35	2,700	Daily Veh-Hr of Delay
Transportation Management Systems	\$ 180	590	Number of Field Elements	\$ 76.2	435	Number of Field Elements
		72	Miles of Fiber		46	Miles of Fiber
Weigh Stations and WIM Facilities	\$ 28.5	1	Locations (Major Upgrade)	\$ 8.3	6	Locations
		6	Locations (Maintenance)			
<b>MOBILITY IMPROVEMENTS</b>	<b>\$ 399</b>			<b>\$ 120</b>		
<b>SUBTOTAL FOR OPERATIONAL PERFORMANCE</b>	<b>\$ 1,122</b>			<b>\$ 690</b>		
District Minor Program	\$ 100	TBD	Locations	\$ 100	TBD	Locations
<b>TOTAL</b>	<b>\$ 4,164</b>			<b>\$ 1,931</b>		

# PAVEMENT CONDITION / NEEDS

Roadway Rehabilitation Needs through the 2017/18 Fiscal Year  
2006 SHOPP plus \$700 million per year from 2010/11 to 2017/18 Fiscal Years



Note: Funding beginning 2006/07 includes \$129M/year in Preventive and Corrective Maintenance. Average cost per lane -mile for SHOPP (2006/07 to 2009/10) is \$995,000 for 120 projects and \$237,000 for 121 projects. Funding beginning 2010/11 assumes 20% 120 funding at \$995,000 /lane-mile and 80% 121 funding at \$237,000/lane-mile.

# THE 2008 FUNDS ESTIMATE

- **SHOPP Needs of +\$5 billion/year** (WITH SUPPORT)
  - FE Allows only \$2.1 billion/year
  - FE requires redistribution first two years

2008 STIP FE SHOPP Program Capacity (\$ millions)								
	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	5-Year Total	6-Year Total
<b>SHA SHOPP Target Capacity</b>	\$2,431	\$2,108	\$2,107	\$2,110	\$2,104	\$2,105	\$10,534	\$12,965
2006 SHOPP Program	\$2,412	\$2,419	\$2,447	\$0	\$0	\$0	\$4,866	\$7,278
<b>New SHA SHOPP Capacity</b>	\$19	(\$311)	(\$340)	\$2,110	\$2,104	\$2,105	\$5,668	\$5,687

Note: Numbers may not add due to rounding.



# 2008 SHOPP TARGETS

## 2008 SHOPP Summary of Programmed and Recommended New Projects and Reservations (\$1,000)

	Program	2008/09	2009/10	2010/11	2011/12	4-Yr Total
<b>Revenues (Capital and Support)</b>		<b>\$ 2,108,000</b>	<b>\$ 2,107,000</b>	<b>\$ 2,110,000</b>	<b>\$ 2,104,000</b>	<b>\$ 8,429,000</b>
<u>Emergency Response</u>						
Major Damage Restoration	201.130	\$ 55,000	\$ 57,000	\$ 30,000	\$ 30,000	\$ 172,000
Permanent Restoration	201.131	\$ 104,972	\$ 121,986	\$ 38,764	\$ 31,208	\$ 296,930
Total		\$ 159,972	\$ 178,986	\$ 68,764	\$ 61,208	\$ 468,930
<u>Collision Reduction</u>						
Safety Improvements	201.010	\$ 266,000	\$ 254,000	\$ 195,000	\$ 85,000	\$ 800,000
Collision Severity Reduction	201.015	\$ 43,297	\$ 49,209	\$ 83,548	\$ 75,143	\$ 251,196
Upgrade Median Barrier	201.020	\$ 39,873	\$ 66,818	\$ 68,066	\$ 2,390	\$ 177,147
Total		\$ 349,170	\$ 370,027	\$ 346,614	\$ 162,533	\$ 1,228,343
<u>Mandates</u>						
Relinquishments	201.160	\$ 12,000	\$ 12,000	\$ 6,000	\$ 6,000	\$ 36,000
Noise Attenuation for Schools	201.270	\$ -	\$ -	\$ -	\$ -	\$ -
Railroad Grade Crossings	201.325	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 20,000
Hazardous Waste Mitigation	201.330	\$ 1,073	\$ 1,000	\$ 1,000	\$ 1,000	\$ 4,073
Storm Water Mitigation	201.335	\$ 62,127	\$ 43,405	\$ 339,676	\$ 42,045	\$ 487,253
ADA Curb Ramps	201.361	\$ 3,769	\$ 8,422	\$ 1,000	\$ 1,000	\$ 14,191
Minor Program		\$ 106,000	\$ 106,000	\$ 103,000	\$ 103,000	\$ 418,000
Total		\$ 189,969	\$ 175,827	\$ 455,676	\$ 158,045	\$ 979,517

# 2008 SHOPP TARGETS – cont.

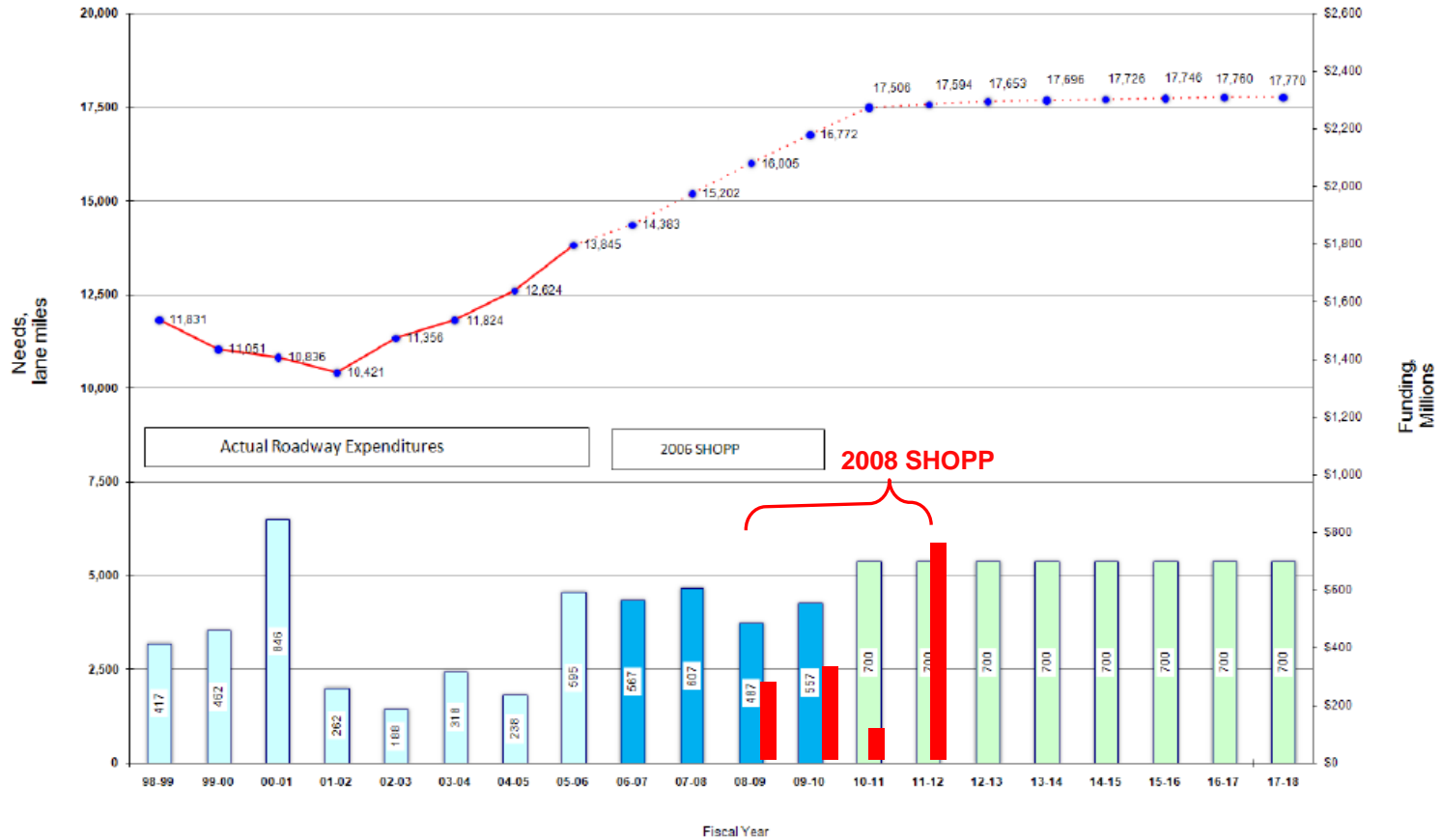
2008 SHOPP Summary of Programmed and Recommended New Projects and Reservations						
(\$1,000)						
	Program	2008/09	2009/10	2010/11	2011/12	4-Yr Total
<u>Bridge Preservation</u>						
Bridge Rehabilitation	201.110	\$ 98,790	\$ 74,451	\$ 204,944	\$ 142,532	\$ 520,717
Bridge Transfer to Maintenance		\$ 31,200	\$ 31,200	\$ -	\$ -	\$ 62,400
Bridge GARVEE		\$ 104,000	\$ 43,790	\$ 43,790	\$ 43,790	\$ 235,370
Bridge Scour Mitigation	201.111	\$ 90,067	\$ 60,542	\$ 27,861	\$ 37,341	\$ 215,811
Bridge Rail Replacement & Upgrade	201.112	\$ 27,833	\$ -	\$ 21,540	\$ 33,487	\$ 82,860
Bridge Seismic Restoration	201.113	\$ 7,460	\$ 21,418	\$ 23,223	\$ 28,004	\$ 80,105
Bridge Widening	201.114	\$ -	\$ -	\$ -	\$ 15,489	\$ 15,489
Transportation Permit Req Bridges	201.322	\$ 12,055	\$ -	\$ 32,145	\$ -	\$ 44,200
Total		\$ 371,405	\$ 231,401	\$ 353,503	\$ 300,643	\$ 1,256,952
<u>Roadway Preservation</u>						
Roadway Rehabilitation	201.120	\$ 244,351	\$ 329,668	\$ 80,614	\$ 439,091	\$ 1,093,724
Roadway GARVEE		\$ 59,000	\$ 27,250	\$ 27,250	\$ 27,250	\$ 140,750
Pavement Rehabilitation	201.121	\$ 53,034	\$ 23,218	\$ 17,561	\$ 304,411	\$ 398,224
Long-Life Pavement Rehabilitation	201.125	\$ -	\$ -	\$ -	\$ 1,755	\$ 1,755
Roadway Protective Betterments	201.150	\$ 18,785	\$ 8,600	\$ 14,300	\$ -	\$ 41,685
Drainage System Restoration	201.151	\$ 5,841	\$ 20,267	\$ 12,763	\$ 14,753	\$ 53,623
Signs & Lighting Rehabilitation	201.170	\$ -	\$ -	\$ -	\$ -	\$ -
Total		\$ 381,011	\$ 409,003	\$ 152,488	\$ 787,260	\$ 1,729,761

# 2008 SHOPP TARGETS – cont.

<b>2008 SHOPP Summary of Programmed and Recommended New Projects and Reservations</b>						
<b>(\$1,000)</b>						
	Program	2008/09	2009/10	2010/11	2011/12	4-Yr Total
<b>Mobility</b>						
Operational Improvements	201.310	\$ 40,567	\$ 51,360	\$ 102,869	\$ 65,074	\$ 259,870
Transportation Management Systems	201.315	\$ 3,000	\$ 45,548	\$ 54,483	\$ 17,619	\$ 120,650
Weigh Stations & WIM	201.321	\$ 45,009	\$ 5,241	\$ 5,116	\$ 5,653	\$ 61,019
Total		\$ 88,576	\$ 102,149	\$ 162,468	\$ 88,346	\$ 441,539
<b>Roadside Preservation</b>						
Highway Planting Restoration	201.210	\$ 4,101	\$ 8,387	\$ -	\$ 4,156	\$ 16,644
Freeway Maintenance Access	201.230	\$ 2,000	\$ 2,212	\$ 6,519	\$ 1,269	\$ 12,000
Roadside Enhancement	201.240	\$ 800	\$ 5,117	\$ 4,702	\$ 800	\$ 11,418
Beautification & Modernization	201.245	\$ -	\$ -	\$ -	\$ -	\$ -
Safety Rest Area Restoration	201.250	\$ 26,700	\$ 40,950	\$ 28,312	\$ 7,035	\$ 102,997
New Safety Roadside Rest Areas	201.260	\$ -	\$ -	\$ -	\$ 8,366	\$ 8,366
Total		\$ 33,601	\$ 56,666	\$ 39,532	\$ 21,626	\$ 151,425
<b>Facilities</b>						
Equipment Facilities	201.351	\$ -	\$ 2,483	\$ -	\$ -	\$ 2,483
Maintenance Facilities	201.352	\$ -	\$ 41,869	\$ 9,626	\$ -	\$ 51,495
Office Facilities	201.353	\$ 586	\$ 566	\$ -	\$ -	\$ 1,152
Material Labs	201.354	\$ 10,741	\$ 15,086	\$ -	\$ -	\$ 25,827
Total		\$ 11,327	\$ 60,004	\$ 9,626	\$ -	\$ 80,957
<b>Total Capital including Reservations</b>		<b>\$ 1,585,031</b>	<b>\$ 1,584,062</b>	<b>\$ 1,588,670</b>	<b>\$ 1,579,660</b>	<b>\$ 6,337,423</b>
<b>Total Support</b>		<b>\$ 490,185</b>	<b>\$ 525,979</b>	<b>\$ 472,917</b>	<b>\$ 451,276</b>	<b>\$ 1,940,356</b>
<b>Total Capital and Support</b>		<b>\$ 2,075,216</b>	<b>\$ 2,110,040</b>	<b>\$ 2,061,588</b>	<b>\$ 2,030,936</b>	<b>\$ 8,277,780</b>
Annual Balance		\$ 32,784	\$ (3,040)	\$ 48,412	\$ 73,064	\$ 151,220
Cumulative Annual Balance		\$ 32,784	\$ 29,744	\$ 78,156	\$ 151,220	

# PAVEMENT CONDITION

Roadway Rehabilitation Needs through the 2017/18 Fiscal Year  
2006 SHOPP plus \$700 million per year from 2010/11 to 2017/18 Fiscal Years



Note: Funding beginning 2006/07 includes \$129M/year in Preventive and Corrective Maintenance. Average cost per lane -mile for SHOPP (2006/07 to 2009/10) is \$995,000 for 120 projects and \$237,000 for 121 projects. Funding beginning 2010/11 assumes 20% 120 funding at \$995,000 /lane-mile and 80% 121 funding at \$237,000/lane-mile.

# DRAFT 2008 SHOPP – ORANGE COUNTY

RTE	EA5	Program Description	Program	2008/09	2009/10	2010/11	2011/12	4-Yr Total
		<b>Collision Reduction</b>						
74	04322	Safety Improvements	201.010	\$0	\$1,039	\$0	\$0	\$1,039
241	0G370	Collision Severity Reduction	201.015	\$0	\$0	\$0	\$3,007	\$3,007
405	0C540	Collision Severity Reduction	201.015	\$0	\$0	\$4,528	\$0	\$4,528
57	0G030	Collision Severity Reduction	201.015	\$0	\$0	\$5,791	\$0	\$5,791
Total				\$0	\$1,039	\$10,319	\$3,007	\$14,365
		<b>Mandates</b>						
1	0G530	Storm Water Mitigation	201.335	\$3,099	\$0	\$0	\$0	\$3,099
261	0H450	Storm Water Mitigation	201.335	\$15,000	\$0	\$0	\$0	\$15,000
5	0J610	Storm Water Mitigation	201.335	\$0	\$0	\$0	\$1,634	\$1,634
5	0J620	Storm Water Mitigation	201.335	\$0	\$0	\$0	\$2,240	\$2,240
5	0J630	Storm Water Mitigation	201.335	\$0	\$0	\$0	\$1,885	\$1,885
73	0H440	Storm Water Mitigation	201.335	\$0	\$0	\$17,727	\$0	\$17,727
Total				\$18,099	\$0	\$17,727	\$5,759	\$41,585
		<b>Bridge Preservation</b>						
91	0C970	Bridge Rehabilitation	201.110	\$0	\$0	\$3,613	\$0	\$3,613
Total				\$0	\$0	\$3,613	\$0	\$3,613
		<b>Roadway Preservation</b>						
39	08510	Roadway Rehabilitation	201.120	\$0	\$0	\$8,038	\$0	\$8,038
5	0E030	Pavement Rehabilitation	201.121	\$0	\$0	\$0	\$19,507	\$19,507
605	0G220	Pavement Rehabilitation	201.121	\$0	\$6,640	\$0	\$0	\$6,640
Total				\$0	\$6,640	\$8,038	\$19,507	\$34,185
		<b>Mobility</b>						
5	0F060	Operational Improvements	201.310	\$0	\$0	\$0	\$12,041	\$12,041
55	0G960	Operational Improvements	201.310	\$0	\$0	\$0	\$24,997	\$24,997
VAR	0H232	Transportation Management Systems	201.315	\$0	\$0	\$3,711	\$0	\$3,711
VAR	0H235	Transportation Management Systems	201.315	\$0	\$1,377	\$0	\$0	\$1,377
Total				\$0	\$1,377	\$3,711	\$37,038	\$42,126
		<b>Roadside Preservation</b>						
405	0F900	Highway Planting Restoration	201.210	\$0	\$1,370	\$0	\$0	\$1,370
5	0F920	Highway Planting Restoration	201.210	\$0	\$2,718	\$0	\$0	\$2,718
55	0H206	Highway Planting Restoration	201.210	\$0	\$0	\$0	\$1,692	\$1,692
57	0F910	Highway Planting Restoration	201.210	\$0	\$1,012	\$0	\$0	\$1,012
73	0H205	Highway Planting Restoration	201.210	\$0	\$0	\$0	\$2,464	\$2,464
Total				\$0	\$5,100	\$0	\$4,156	\$9,256
<b>Total Capital</b>				<b>\$18,099</b>	<b>\$14,156</b>	<b>\$43,408</b>	<b>\$69,467</b>	<b>\$145,130</b>

# STATE HIGHWAY OPERATIONS AND PROTECTION PROGRAM (SHOPP)

**QUESTIONS?**

# DRAFT 2008 SHOPP – ORANGE COUNTY

Draft 2008 SHOPP Project List											Sorted by: County, Program Category, Route and Post Miles	
Orange (\$1,000)												
Route	Post Miles	Location/Description	PPNO	EA	Program Code	Prog Year	State RW	State Const	State Capital	State Support		
<b><u>Collision Reduction</u></b>												
74	13.3/16.6	In Orange County, 1 mile east of San Juan Hot Springs to Riverside County line. Widen lanes and add shoulders (required mitigation).	4228A	04322	201.010	2009/10	0	1,039	1,039	PAED:	8	
										PSE:	383	
										RW:	0	
										Con:	489	
57	11.8/22.1	In Orange, Anaheim and Fullerton, at various locations. Upgrade metal beam guard rail to concrete barrier.	3746A	0G030	201.015	2010/11	0	5,791	5,791	PAED:	20	
										PSE:	1,200	
										RW:	5	
										Con:	1,130	
241	15.5/39.1	In Orange County along the entire SR-241- Upgrade existing steel blocking with wood or KING BLOCK, install MBGR and upgrade end treatment. (OTS \$4 million)	5483	0G370	201.015	2011/12	0	3,007	3,007	PAED:	193	
										PSE:	1,230	
										RW:	41	
										Con:	1,090	
405	1.8/22.6	In Irvine, Costa Mesa, Fountain Valley, Huntington Beach, at various locations. Remove curb island, metal beam guardrail and install concrete barrier and crash cushions.	3934C	0C540	201.015	2010/11	0	4,528	4,528	PAED:	154	
										PSE:	700	
										RW:	5	
										Con:	700	
<b><u>Mandates</u></b>												
1	12.8/13.4	In Newport Beach, from Muddy Creek to Los Trancos Creek. Remove abandoned drainage facilities, revegetate and restore slope.	2322	0G530	201.335	2008/09	206	2,893	3,099	PAED:	850	
										PSE:	830	
										RW:	170	
										Con:	830	
5	19.2/20.8	In Lake Forest and Irvine, on Route 5 from 0.6 miles South of Lake Forest Dr. to Bake Pkwy. Slope Revegetation for source control	2723(A)	0J610	201.335	2011/12	0	1,634	1,634	PAED:	79	
										PSE:	190	
										RW:	32	
										Con:	206	
5	19.8/21.7	In Irvine, on Route 5 from Lake Forest Dr. to 0.4 miles North of Route 405/5 Sep and on Route 405 from Route 5 to 0.5 mile North of Route 405/5 Sep. (PM 0.0/0.5) Slope Revegetation for source control	2729(A)	0J620	201.335	2011/12	0	2,240	2,240	PAED:	109	
										PSE:	260	
										RW:	44	
										Con:	282	



# DRAFT 2008 SHOPP – ORANGE COUNTY

## Draft 2008 SHOPP Project List Orange (\$1,000)

Sorted by: County, Program  
Category, Route and Post Miles

Route	Post Miles	Location/Description	PPNO	EA	Program Code	Prog Year	State RW	State Const	State Capital	State Support
5	20.6/22.2	In Irvine, on Route 5 from Route 405/5 Sep to Alton Prkwy. and on Route 405 from Route 5 IC to 0.2 miles North of Irvine Center Dr. (PM 0.0/1.2) Slope Revegetation for source control	2737(A)	0J630	201.335	2011/12	0	1,885	1,885	PAED: 90 PSE: 216 RW: 36 Con: 234
73	10.0/24.5	In Orange County, from Route 5 to west of Benita Canyon Drive. Construct slope stabilization and revegetation.	4051	0H440	201.335	2010/11	0	17,727	17,727	PAED: 350 PSE: 2,000 RW: 250 Con: 2,080
261	0.0/0.1	In Irvine, at Walnut Avenue pumping plant. Construct groundwater transmission line.	4926B	0H450	201.335	2008/09	5,000	10,000	15,000	PAED: 583 PSE: 1,694 RW: 442 Con: 2,124
<b><u>Bridge Preservation</u></b>										
91	3.5/3.6	In the City of Fullerton repair bridge wingwall & retaining wall	4541A	0C970	201.110	2010/11	0	3,613	3,613	PAED: 0 PSE: 608 RW: 30 Con: 480
<b><u>Roadway Preservation</u></b>										
39	19.2/23.2	In La Habra, from Route 90 to Los Angeles County Line; also on Route 72 from Route 39 to Los Angeles County line. Rehabilitate roadway.	3276	08510	201.120	2010/11	56	7,982	8,038	PAED: 286 PSE: 1,594 RW: 89 Con: 1,342
5	6.8/14.5	In San Juan Capistrano, Mission Vijeo, NB/SB from SR 1 to Oso Creek - slab replacement, grinding, AC shoulder & ramps	2599A	0E030	201.121	2011/12	10	19,497	19,507	PAED: 0 PSE: 2,721 RW: 10 Con: 3,701
605	2.7/R1.6	In the city of Seal Beach, from Route 22 to Los Angeles County line. Rehabilitate pavement.	5246	0G220	201.121	2009/10	0	6,640	6,640	PAED: 7 PSE: 1,032 RW: 7 Con: 1,111





# DRAFT 2008 SHOPP – ORANGE COUNTY

Draft 2008 SHOPP Project List											Sorted by: County, Program Category, Route and Post Miles	
Orange (\$1,000)												
Route	Post Miles	Location/Description	PPNO	EA	Program Code	Prog Year	State RW	State Const	State Capital	State Support		
<b><u>Mobility</u></b>												
5	5.6/0.0	In San Clemente, south-bound Camino De Estrella. Widen off-ramp and overcrossing structure.	2587	0F060	201.310	2011/12	1,663	10,378	12,041	PAED:	850	
										PSE:	1,583	
										RW:	358	
										Con:	1,660	
55	R7.8/R9.2	In Santa Ana, south-bound from Edinger to Dyer. Add auxiliary lanes.	3483A	0G960	201.310	2011/12	1,136	23,861	24,997	PAED:	2,033	
										PSE:	4,006	
										RW:	136	
										Con:	3,784	
	0.0/0.0	In Orange County, at the Transportation Management Center. Upgrade emergency systems.	1983	0H235	201.315	2009/10	0	1,377	1,377	PAED:	100	
										PSE:	450	
										RW:	10	
										Con:	390	
Var	0.0/0.0	In Orange County, on various routes. Install CMS.	2350A	0H232	201.315	2010/11	0	3,711	3,711	PAED:	292	
										PSE:	562	
										RW:	23	
										Con:	479	
<b><u>Roadside Preservation</u></b>												
5		In Irvine and San Juan, from Route 133 to Route 241; also on Route 133. Highway planting rehabilitation.	2638	0F920	201.210	2009/10	0	2,718	2,718	PAED:	89	
										PSE:	596	
										RW:	12	
										Con:	344	
55	2.0/4.5	In Costa Mesa from 17th Street to Bristol Street - Highway Planting Restoration	34211	0H206	201.210	2011/12	0	1,692	1,692	PAED:	75	
										PSE:	180	
										RW:	30	
										Con:	195	
57		In Orange and Anaheim, from Routes 5 and 22 to Los Angeles County line; also on Route 91 from the Los Angeles and Orange County lines to the Riverside County line. Highway planting rehabilitation.	3753	0F910	201.210	2009/10	0	1,012	1,012	PAED:	129	
										PSE:	410	
										RW:	7	
										Con:	157	



# DRAFT 2008 SHOPP – ORANGE COUNTY

## Draft 2008 SHOPP Project List

Sorted by: County, Program  
Category, Route and Post Miles

Route	Post Miles	Location/Description	Orange (\$1,000)		Program Code	Prog Year	State RW	State Const	State Capital	State Support		
			PPNO	EA						PAED:	Con:	
73	10.0/26.0	From Rt 5/73 Interchange to Glenwood Drive, from Bison Avenue to Route 73/405 Interchange and on Route 55 from Bristol Street to Main Street - Highway Planting Restoration	3448	0H205	201.210	2011/12	0	2,464	2,464	PAED:	70	
										PSE:	168	
										RW:	28	
										Con:	182	
405		In Orange County, from Route 5 to the Los Angeles County line; also on Route 605 from the Los Angeles County line to Route 605 and on Route 22 at various locations. Highway planting rehabilitation.	3421B	0F900	201.210	2009/10	0	1,370	1,370	PAED:	121	
										PSE:	481	
										RW:	6	
										Con:	170	
Orange County Total								8,071	137,059	145,130	PAED:	6,488
											PSE:	23,094
											RW:	1,771
											Con:	23,160
											Total:	54,513