

City of Los Alamitos

Agenda Report Staff Reports

Item No: 12D

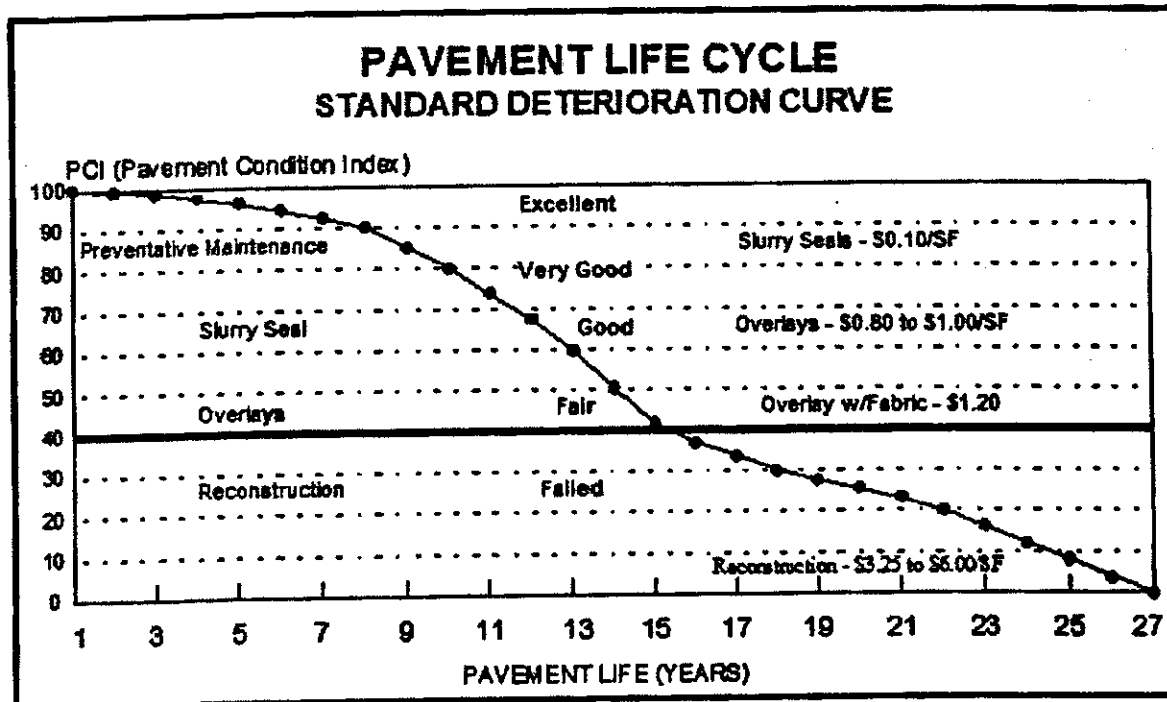
January 3, 2005

To: Mayor Kenneth C. Parker and Members of the City Council
Via: Henry Taboada, Interim City Manager
From: Tim D'Zmura, City Engineer
Subject: Consideration of a Residential Street Rehabilitation Program

Summary: As directed by the City Council, staff has developed a comprehensive approach to address residential street rehabilitation needs in the City. The goal of this program is to rehabilitate each of the City's local and collector streets no less frequently than every eight years and to maintain the streets in a very good, to excellent condition, in perpetuity. In order to maximize the use of funding dedicated to the program, a variety of rehabilitation methods will be used based on the condition of each street and the anticipated traffic volumes for each street. The program is estimated to cost \$200,000 per year (2004 dollars).

Recommendation: It is recommended that the City Council review and approve the program to rehabilitate the local and collector streets on an eight year cycle as shown on the attached spread and vicinity map.

Background and Analysis: In response to the needs identified in the last update of the City's Pavement Management Report and after considering a variety of strategies to improve the condition of the City's streets, the City Council allocated \$200,000 to address current street rehabilitation needs in residential areas of the City. The Pavement Management Report identified a total of approximately \$4.5 million of needed improvements on the 22.1 miles of local streets and alleys throughout the residential areas of the City. These local streets are, for the most part, currently ineligible to receive special funding to make the necessary repairs, thus require the assignment of other available funds to address repairs. Additionally, the local streets are the best candidate for improvement according to their determined condition rating of 60.6 on the Pavement Life Cycle Curve (reference pavement life cycle diagram) because of the corresponding treatment costs associated with their condition. In other words, the City will achieve the greatest "bang for the buck" by assigning rehabilitation dollars to this particular segment of its roadway network.



Based on the results obtained from the Pavement Management Report, rehabilitation areas have been segmented into 13 different development zones (neighborhoods) targeted for rehabilitation. By grouping streets in this fashion, we will be able to concentrate efforts and funds in certain areas of the City in each year of the program. We will also be able to inform residents of the approximate date that their street will be rehabilitated. Currently, no schedule or program exists to address residential street repair needs.

After developing these zones, staff next devised a program whereby the City was divided into 8 sections of relatively equal amounts of residential street area. This was done to fit the program within a \$200,000 a year budget. Specifically, zones 1, 2, 4, 7, 8, 12A, and 13 are recommended for inclusion in the program's first year. Zone 12B will be rehabilitated in the second and third year of the program. The fourth year of the program consists of zone 3, and the fifth and sixth year covers zone 9. In the seventh year, zones 5, 6, 10, and 11 will be rehabilitated. In the final year of the program, zone 6A and individual streets (as shown on the attachment) will be addressed.

The Eight Year Cycle spreadsheet summarizes the program by delineating the associated development zones, rehabilitation strategy and estimated cost. It is highly likely that there will be some slight deviations and variations in the schedule as we move forward due to the varying rate at which streets deteriorate and fluctuations in construction costs.

Fiscal Impact: The Fiscal Year 2004-05 budget includes \$200,000 in account 80.542.4311 for Residential Street Improvements. Beginning with the Fiscal Year 2004-2005 mid-year report, and during the budget development process, staff will begin to identify full cycle funding options for the City Council's consideration.

- Attachment:
- 1) Zone Map
 - 2) Local Inventory Spreadsheet

LOCAL/COLLECTOR CAPITAL IMPROVEMENT PROGRAM

City of Los Alamitos
7400001 - CALIFORNIA

LEGEND

City Boundary

Freeway

Year 1

Year 2 & Year 3

Year 4

Year 5 & Year 6

Year 7

Year 8

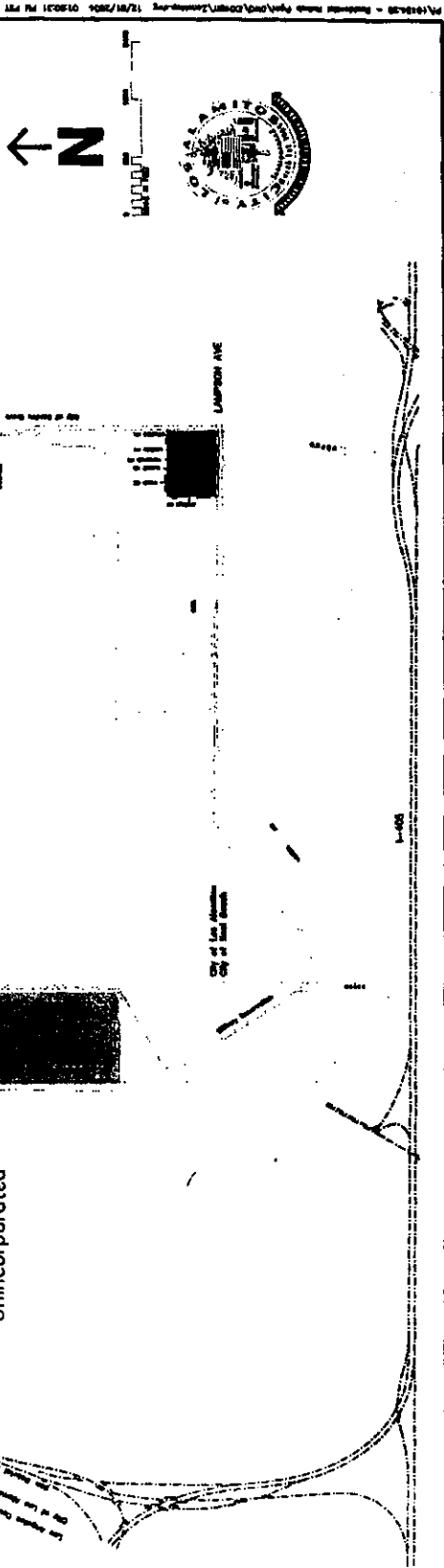
Zone Number Designation

1

County Unincorporated

ARMED FORCES RESERVE CENTER

128



**City of Los Alamitos
Local / Collector Street Rehabilitation Program**

Street Segments and Zone Divisions

68	Chestnut St	Cerritos Ave	Catalina St	1,346	33	44,418	E	AC	89	5	Slurry Seal	\$6,662.70
12	Florista St	Oak St	Los Alamitos Blvd	1,100	55	60,500	E	AC	28	5	Slurry Seal w/ Deep L/R Patch	\$21,175.00
	Monte Collins Way	End	Chestnut St	635	34	21,590	E	AC	65	5	Slurry Seal	\$3,238.50
171	Oak St	Catalina St	Katella Ave	1,311	46	60,306	E	AC	91	5	Slurry Seal	\$9,045.90
170	Oak St	END	Catalina St	659	46	30,314	E	AC	88	5	Slurry Seal	\$4,547.10
216	Sausalito St	Chestnut St	Los Alamitos Blvd	308	33	10,164	E	AC	88	5	Slurry Seal	\$1,524.80
213	Sausalito St	Oak St	Walnut St	425	33	14,025	E	AC	88	5	Slurry Seal	\$2,103.75
215	Sausalito St	Walnut St	Chestnut St	395	33	13,035	E	AC	88	5	Slurry Seal	\$1,955.25
238	Walnut St	Catalina St	Katella Ave	1,311	44	57,684	E	AC	67	5	Slurry Seal	\$8,652.60
237	Walnut St	Sausalito St	Catalina St	856	33	21,848	E	AC	84	5	Slurry Seal	\$3,247.20
SUBTOTAL ZONE 6												\$76,123.30
57	Catalina St	Los Alamitos Blvd	Reagan St	947	33	27,951	E	AC	89	6	Slurry Seal	\$4,192.85
61	Catalina St	Reagan St	Cherry St	395	33	13,035	E	AC	86	6	Slurry Seal	\$1,955.25
63	Cherry St	Catalina St	Katella Ave	1,165	53	61,745	E	AC	83	6	Slurry Seal	\$9,261.75
80	Florista St	Pine St	Alley	180	48	8,640	E	AC	91	6	Slurry Seal	\$1,296.00
90a	Florista St	Alley	Reagan St	180	53	9,540	E	AC	91	6	Slurry Seal	\$1,431.00
91	Florista St	Reagan St	Cherry St	425	53	22,525	E	AC	92	6	Slurry Seal	\$3,378.75
91a	Florista St	Los Alamitos Blvd	Pine St	340	45	15,300	E	AC	92	6	Slurry Seal	\$2,295.00
183	Pine St	Catalina St	Florista St	480	53	25,440	E	AC	82	6	Slurry Seal	\$3,816.00
183a	Pine St	Florista St	175' s/o Florista St	175	32	5,600	E	AC	82	6	Slurry Seal	\$840.00
183b	Pine St	175' s/o Florista St	Katella Ave	410	45	18,450	E	AC	82	6	Slurry Seal	\$2,767.50
188	Reagan St	Catalina St	Katella Ave	1,165	53	61,745	E	AC	89	6	Slurry Seal	\$9,261.75
SUBTOTAL ZONE 6												\$40,495.66
	Catalina St	Reagan St	Kyle St	985	32	31,520	E	AC	86	6A	Slurry Seal	\$4,728.00
	Florista St	Kyle St	Bloomfield St	475	32	15,200	E	AC	86	6A	Slurry Seal	\$2,280.00
	Kaylor St	Catalina St	Katella Ave	910	32	29,120	E	AC	55	6A	AC Overlay w/ Fabric	\$24,752.00
	Kyle St	Catalina St	Florista St	480	32	15,360	E	AC	87	6A	Slurry Seal	\$2,304.00
	Reagan St	Sausalito St	Catalina St	820	36	29,520	E	AC	58	6A	Slurry Seal	\$4,428.00
	Sausalito St	Los Alamitos Blvd	Reagan St	770	32	24,640	E	AC	56	6A	AC Overlay w/ Fabric	\$20,944.00
	Sausalito St	Reagan St	End	400	26	10,400	E	AC	58	6A	Slurry Seal	\$1,560.00
	Serpentine Dr	Los Alamitos Blvd	Reagan St	840	32	26,880	E	AC	88	6A	Slurry Seal	\$4,032.00
SUBTOTAL ZONE 6A												\$65,028.00
62	Cherry St	Farquhar Ave	Thor Ave	1,129	33	37,257	E	AC	49	7	Slurry Seal w/ Deep L/R Patches	\$13,039.95
106	Harrisburg Rd	Los Alamitos Blvd	Reagan St	953	33	31,449	E	AC	72	7	Slurry Seal	\$4,717.35

**City of Los Alamitos
Local / Collector Street Rehabilitation Program**

Street Segments and Zone Divisions

175	Orangewood Ave	Los Alamitos Blvd	Saratoga Ave	1,337	32	42,784	E	AC	69	7	Slurry Seal	\$6,417.60
182	Pine St	Farquhar Ave	Harrisburg Rd	910	33	30,030	E	AC	73	7	Slurry Seal	\$4,504.50
192	Reagan St	Farquhar Ave	Harrisburg Rd	837	33	27,621	E	AC	73	7	Slurry Seal	\$4,143.15
225	Snark St	END	Harrisburg Rd	146	33	4,818	E	AC	73	7	Slurry Seal	\$722.70
224	Snark St	Harrisburg Rd	Thor Ave	218	33	7,194	E	AC	71	7	Slurry Seal	\$1,079.10
227	Thor Ave	Snark St	Cherry St	942	33	31,086	E	AC	69	7	Slurry Seal	\$4,662.90
SUBTOTAL ZONE 7												\$39,287.25
42	Barbi Ln	END	Denwood Ave	473	32	15,136	E	AC	89	8	Slurry Seal	\$2,270.40
77	Denwood Ave	Rochelle St	Kelly Ln	1,218	32	38,976	E	AC	73	8	Slurry Seal	\$5,846.40
129	Kelly Ln	END	Denwood Ave	509	32	16,288	E	AC	71	8	Slurry Seal	\$2,443.20
149	Linda Way	END	Denwood Ave	510	32	16,320	E	AC	68	8	Slurry Seal	\$2,448.00
153	Maple St	Farquhar Ave	Denwood Ave	691	32	22,112	E	AC	72	8	Slurry Seal	\$3,316.80
195	Rochelle St	Farquhar Ave	Denwood Ave	728	32	23,296	E	AC	68	8	Slurry Seal	\$3,494.40
SUBTOTAL ZONE 8												\$19,819.20
50	Bradbury Rd	Los Alamitos Blvd	Pine St	460	56	25,760	E	AC	56	9	Slurry Seal	\$3,864.00
	Bradbury Rd	Pine St	Cherry St	610	32	19,520	E	AC	61	9	Slurry Seal	\$2,928.00
64	Cherry St	END	Kempton Dr	2,403	32	76,896	E	AC	42	9	AC Overlay w/ Fabric	\$65,361.60
130	Kempton Dr	Paseo Bonita	Cherry St	1,007	32	32,224	E	AC	44	9	AC Overlay w/ Fabric	\$27,390.40
136	La Colmena Way	Pine St	END	638	32	20,416	E	AC	56	9	Slurry Seal	\$3,062.40
178	Paseo Bonita	END	Rossmoor Way	400	32	12,800	E	AC	54	9	Slurry Seal	\$1,920.00
177	Paseo Bonita	Bradbury Rd	Kempton Dr	801	32	25,632	E	AC	45	9	AC Overlay w/ Fabric	\$21,787.20
179	Paseo Bonita	Rossmoor Way	Bradbury Rd	1,747	32	55,904	E	AC	40	9	Thick AC Overlay w/ Fabric	\$69,890.00
180	Pine St	La Colmena Way	Rossmoor Way	1,021	32	32,872	E	AC	70	9	Slurry Seal	\$4,900.80
181	Pine St	Rossmoor Way	Kempton Dr	2,257	32	72,224	E	AC	31	9	Thick AC Overlay w/ Fabric	\$90,280.00
191	Reagan St	Bradbury Rd	Kempton Dr	1,238	32	39,816	E	AC	40	9	Thick AC Overlay w/ Fabric	\$49,520.00
190	Reagan St	La Colmena Way	Rossmoor Way	1,023	32	32,736	E	AC	49	9	AC Overlay w/ Fabric	\$27,825.60
194	Reagan St	Rossmoor Way	Bradbury Rd	1,019	32	32,608	E	AC	45	9	AC Overlay w/ Fabric	\$27,716.80
	Rossmoor Way	Los Alamitos Blvd	Pine St	420	56	23,520	E	AC	52	9	Slurry Seal	\$3,528.00
198	Rossmoor Way	Pine St	Cherry St	608	32	19,456	E	AC	56	9	Slurry Seal	\$2,918.40
236	Vista de Oro	Reagan St	END	387	32	12,704	E	AC	61	9	Slurry Seal	\$1,905.60
SUBTOTAL ZONE 9												\$404,788.80
41	Apollo Cir	Lunar Dr	END	182	21	3,822	E	AC	74	10	Slurry Seal	\$573.30
54	Carlsbad Cir	END	Satellite Dr	152	21	3,192	E	AC	45	10	Slurry Seal	\$478.80
87	Gleicher Cir	Olympic Dr	END	255	21	5,355	E	AC	44	10	Slurry Seal	\$803.25

**City of Los Alamitos
Local / Collector Street Rehabilitation Program**

Street Segments and Zone Divisions

Section ID	Street	Start	End	Length	Material	Estimate	Notes	Zone	Estimate				
104	Green Ave	Midway Dr	Ticonderoga Dr	273	34	9,282	E	AC	15	12	Thick AC Overlay w/ Fabric	\$11,602.50	
99	Green Ave	Saratoga Dr	Midway Dr	1,185	35	41,475	E	AC	33	12	Thick AC Overlay w/ Fabric	\$51,843.75	
113	Howard Ave	Enterprise Dr	Ticonderoga Dr	625	35	21,875	E	AC	62	12	AC Overlay w/ Fabric	\$18,593.75	
111	Howard Ave	Lexington Dr	Enterprise Dr	1,157	35	40,495	E	AC	56	12	AC Overlay w/ Fabric	\$34,420.75	
138	Langley Dr	Green Ave	Howard Ave	947	35	33,145	E	AC	23	12	Thick AC Overlay w/ Fabric	\$41,431.25	
158	Midway Dr	Green Ave	Howard Ave	910	35	31,850	E	AC	57	12	AC Overlay w/ Fabric	\$27,072.50	
159	Midway Dr	Katella Ave	Green Ave	291	35	10,185	E	AC	62	12	AC Overlay w/ Fabric	\$8,657.25	
211	Saratoga Dr	Katella Ave	Howard Ave	1,237	35	43,285	E	AC	29	12	Thick AC Overlay w/ Fabric	\$54,118.75	
SUBTOTAL ZONE 12 B													\$340,616.00
40	Antietam Ave	Bennington St	Mindora St	1,004	32	32,128	E	AC	60	13	Slurry Seal	\$4,819.20	
45	Bennington St	Antietam Ave	Howard Ave	766	32	24,512	E	AC	53	13	Slurry Seal w/ Deep Lift Patching	\$8,579.20	
116	Howard Ave	Bennington St	END	1,246	32	39,872	E	AC	36	13	Slurry Seal w/ Deep Lift Patching	\$13,955.20	
128	Kearsarge Ave	Bennington St	Mindora St	1,033	32	33,056	E	AC	62	13	Slurry Seal	\$4,958.40	
160	Mindora St	Antietam Ave	Howard Ave	731	32	23,392	E	AC	72	13	Slurry Seal	\$3,508.80	
231	Trippoli Ave	Bennington St	Mindora St	1,064	32	34,048	E	AC	56	13	Slurry Seal w/ Deep Lift Patching	\$11,918.80	
SUBTOTAL ZONE 13													\$47,737.80
	Calle Lee	Cerritos Ave	End	910	36	32,760	E	AC	43	IND	Thick AC Overlay w/ Fabric	\$40,850.00	
	Corporate Center	Cl Lee	Lexington Dr	890	36	32,040	E	AC	42	IND	Thick AC Overlay w/ Fabric	\$40,050.00	
	Humbolt	Cerritos Ave	End	1,200	40	48,000	E	AC	42	IND	Thick AC Overlay w/ Fabric	\$60,000.00	
	Lexington Dr	Cerritos Ave	End	1,275	26	33,150	E	AC	42	IND	Thick AC Overlay w/ Fabric	\$41,437.50	
	Los Vaqueros	Cerritos Ave	End	960	36	34,560	E	AC	35	IND	Thick AC Overlay w/ Fabric	\$43,200.00	
	Noel St	End	Katella Ave	815	32	26,080	E	AC		IND	Thick AC Overlay w/ Fabric	\$32,600.00	
	Portal Dr	End	Katella Ave	865	32	27,680	E	AC		IND	Thick AC Overlay w/ Fabric	\$34,600.00	
	Siboney St	Katella Ave	Antietam Ave	400	36	14,400	E	AC	86	IND	Slurry Seal	\$2,180.00	
	Via El Mercado	Katella Ave	End	335	36	12,060	E	AC		IND	Thick AC Overlay w/ Fabric	\$15,075.00	
	Winners Cir	Katella Ave	End	750	45	33,750	E	AC		IND	Thick AC Overlay w/ Fabric	\$42,187.50	
SUBTOTAL INDUSTRIAL													\$362,260.00

MINUTE EXCERPT, CITY COUNCIL MEETING, JANUARY 3, 2005

Councilmember Driscoll commended staff on a well-written report and also for the overall improvements made in the Finance Department in the last four months.

Councilmember Jempsa commented on the clear and concise manner in which the CAFR had been prepared.

Mayor Parker commended staff for improved internal financial controls, and gave kudos for hard work on the CAFR.

Motion/Second: Freeman/Poe

Unanimously carried: The City Council received and filed the report.

D. CIP Program

As directed by the City Council, staff developed a comprehensive approach to address residential street rehabilitation needs in the City. The goal of this program is to rehabilitate each of the City's local and collector streets no less frequently than every eight years and to maintain the streets in a very good, to excellent condition, in perpetuity. In order to maximize the use of funding dedicated to the program, a variety of rehabilitation methods will be used based on the condition of each street and the anticipated traffic volumes for each street. The program is estimated to cost \$200,000 per year (2004 dollars).

City Engineer D'Zmura summarized the staff report, referring to the information contained therein, and answered questions from the City Council.

Councilmember Driscoll was glad to see a projected plan that would keep residents informed as to capital projects in the City.

Councilmember Poe questioned City Engineer D'Zmura as to the meaning of some of the terms used on the plan, and he provided the requested information.

Councilmember Jempsa was pleased with the chart for the 8 Year Plan; however, she commented the colors used to represent areas 7 and 8 were too similar and could cause confusion. She asked staff to use a different color for more contrast.

Mayor Parker felt the plan addressed many of the residents' concerns, and would enable them to see which areas of the City were slated for improvement at specific times.

Motion/Second: Freeman/Poe

Unanimously carried: The City Council reviewed and approved the program to rehabilitate the local and collector streets on an eight year cycle as indicated on a spread and vicinity map.

13. WRITTEN COMMUNICATIONS

None