



**City of Long Beach**  
Working Together to Serve

**Office of Gerrie Schipske**  
**Councilwoman, Fifth District**  
**Memorandum**

**R-15**

Date: May 22, 2007

To: HONORABLE MAYOR AND MEMBERS OF THE CITY COUNCIL

From: Councilwoman Gerrie Schipske, Fifth District 

Subject: AGENDA ITEM: Summary of Pilot Program to Remove Trip Hazards by Sidewalk Cutting

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**DISCUSSION**

The City recently conducted a pilot program to saw cut and remove the elevated edge of displaced concrete sidewalk panels, in lieu of the temporary asphalt patches typically installed by City crews. \$10,000 in funding was set aside from the 5<sup>th</sup> District share of the annual sidewalk replacement program to conduct this pilot project. The work was completed with a proprietary method by a company named Precision Concrete Cutting.

Precision Concrete Cutting developed a patented system that is currently unique to the industry. Instead of a "cutting" process, they have designed a horizontal saw system which allows the cuts to be tapered at a 1:8 slope and leaves a smooth uniform appearance and texture. This process is fully compliant with the Americans with Disabilities Act requirements. The work performed under the pilot program has proved effective and popular with the residents who had the sidewalks adjacent to their property repaired in this manner.

Attached for your reference is the final report filed by the contractor, indicating the locations where the sidewalk cutting occurred and the associated cost. The average cost per trip hazard removal amounted to slightly less than \$25 per location. The data from this pilot program indicates that a typical block cost between \$1,500 and \$2,000. Since the sidewalk cutting is only effective up to 2 inches in depth, there are sidewalk displacements within the blocks done under this pilot program that could not be mitigated by cutting. It appears from the data provided by the contractor that at least 80% of the trip hazards in these blocks could be removed with this method.

Currently, the asphalt patch method of trip hazard abatement done by City crews costs on average \$14 per location. While the cutting method used in this pilot program has a higher cost (\$25 versus \$14 per location), the finished appearance of the sidewalk is much better with the cutting method. In addition, the asphalt method simply provides a ramping solution to the sidewalk displacement, while the cutting method actually creates a much flatter finished surface.

HONORABLE MAYOR AND CITY COUNCIL  
Summary of Pilot Program to Remove Trip Hazards by Sidewalk Cutting  
Councilwoman Gerrie Schipske, Fifth District  
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RECOMMENDATION

Request City Manager to combine this sidewalk cutting method with the more traditional full sidewalk replacement method, to allow the City's sidewalk repair program funding to be more effective by mitigating more locations than could be done by sidewalk replacement alone, by establishing this sidewalk cutting method as a temporary solution to immediate trip hazards.



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 SANTA CLARITA, CA 91380  
 CL# 839918

**TRIP HAZARD REMOVAL SERVICES**

Report Only / Non-Invoice - \$10K Test Pilot Project

PURCH. ORDER NO: DPPW07001533

Originally submitted: March 5, 2007

Prepared For: City of Long Beach

Contact Person: Mark Christoffels

Mailing Address: 333 West Ocean Blvd. Long Beach, CA 90802

Project Location: City of Long Beach - various streets in Council District 5

Phone/Fax/E-Mail: (562) 570-6771 / f (562) 570-6012 / mark\_christoffels@longbeach.gov

**REPORT SUMMARY / NON-INVOICE**

Total Trip Hazards: 406

Average Cost per Trip Hazard: \$24.63

Total Linear Feet: 1251.50

COST: \$10,000.78

Total Inch Feet: 401.63

Discounted (Not-To-Exceed 10,000.00) -\$0.78

**TOTAL COST: \$10,000.00**

**DETAILS**

No.	Max. Size	Min. Size	Linear Feet	Location	Inch/ Feet	Cost
<b>W side of Studebaker - between Barbanell &amp; Barrios</b>						
1	0.375	0.000	3.5	at NW corner of Studebaker & Barbanell	0.66	\$16.41
2	0.250	0.125	5.0	"	0.94	\$23.44
3	0.375	0.000	3.0	2703 Studebaker	0.56	\$14.06
4	1.500	0.000	4.0	"	3.00	\$75.00
5	0.750	0.500	4.0	"	2.50	\$62.50
6	1.250	0.000	4.0	2709	2.50	\$62.50
7	1.250	0.875	4.0	"	4.25	\$106.25
8	0.625	0.000	4.0	"	1.25	\$31.25
9	0.875	0.000	3.5	"	1.53	\$38.28
10	0.375	0.000	2.5	"	0.47	\$11.72
11	0.250	0.000	4.0	2715	0.50	\$12.50
12	0.250	0.125	4.0	2729	0.75	\$18.75
13	0.625	0.000	3.5	2735	1.09	\$27.34
14	0.500	0.000	3.0	"	0.75	\$18.75
15	0.625	0.000	2.5	"	0.78	\$19.53
16	0.625	0.000	2.0	"	0.63	\$15.63
17	0.375	0.000	3.0	2747	0.56	\$14.06
18	0.375	0.000	2.0	"	0.38	\$9.38
19	0.375	0.000	2.0	"	0.38	\$9.38
20	0.250	0.000	2.0	2751	0.25	\$6.25



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No.	Max. Size	Min. Size	Linear Feet	Location	Inch/ Feet	Cost
21	0.500	0.250	4.0	2703 Studebaker	1.50	\$37.50
22	0.625	0.000	3.5	2719	1.09	\$27.34
23	0.875	0.000	4.0	2747	1.75	\$43.75
24	0.625	0.125	4.0	"	1.50	\$37.50
<b>Kallin - between Spring &amp; Mezzanine</b>						
25	0.625	0.000	4.0	3052 Kallin	1.25	\$31.25
26	0.750	0.500	4.0	3062	2.50	\$62.50
27	0.375	0.000	3.5	3102	0.66	\$16.41
28	0.625	0.125	4.0	"	1.50	\$37.50
29	0.250	0.000	2.0	3115	0.25	\$6.25
30	0.625	0.000	4.0	"	1.25	\$31.25
31	0.500	0.000	3.5	"	0.88	\$21.88
32	0.250	0.125	4.0	"	0.75	\$18.75
33	0.375	0.000	4.0	3109	0.75	\$18.75
34	0.750	0.000	4.0	"	1.50	\$37.50
35	0.625	0.375	4.0	3103	2.00	\$50.00
36	0.250	0.000	2.5	"	0.31	\$7.81
37	0.250	0.000	1.5	"	0.19	\$4.69
38	0.500	0.000	3.0	3069	0.75	\$18.75
39	0.250	0.000	1.0	"	0.13	\$3.13
40	0.500	0.000	2.0	"	0.50	\$12.50
41	0.500	0.250	2.0	"	0.75	\$18.75
42	0.250	0.000	2.5	"	0.31	\$7.81
43	0.250	0.000	3.0	"	0.38	\$9.38
44	0.375	0.250	4.0	3059	1.25	\$31.25
45	0.625	0.125	4.0	3124	1.50	\$37.50
46	0.250	0.125	4.0	3130	0.75	\$18.75
47	0.500	0.250	4.0	"	1.50	\$37.50
<b>Roxanne - between Spring &amp; Mezzanine</b>						
48	0.375	0.125	4.0	3002 Roxanne	1.00	\$25.00
49	0.250	0.125	4.0	"	0.75	\$18.75
50	0.750	0.000	4.0	"	1.50	\$37.50
51	0.250	0.000	3.0	"	0.38	\$9.38
52	0.250	0.000	1.0	"	0.13	\$3.13
53	0.500	0.500	4.0	3008	2.00	\$50.00
54	0.250	0.000	4.0	"	0.50	\$12.50
55	0.750	0.000	3.0	"	1.13	\$28.13
56	0.625	0.000	1.0	"	0.31	\$7.81
57	0.625	0.000	2.0	"	0.63	\$15.63
58	0.625	0.000	2.0	3012	0.63	\$15.63
59	0.500	0.000	3.0	"	0.75	\$18.75
60	0.625	0.000	4.0	3018	1.25	\$31.25
61	0.625	0.125	4.5	"	1.69	\$42.19



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No.	Max. Size	Min. Size	Linear Feet	Location	Inch/ Feet	Cost
62	0.250	0.125	4.0	3024 Roxanne	0.75	\$18.75
63	0.250	0.250	4.0	"	1.00	\$25.00
64	0.500	0.250	4.0	"	1.50	\$37.50
65	1.250	0.250	4.0	3034	3.00	\$75.00
66	0.500	0.000	4.0	"	1.00	\$25.00
67	0.500	0.375	4.0	"	1.75	\$43.75
68	0.375	0.000	3.0	3046	0.56	\$14.06
69	0.250	0.000	4.0	"	0.50	\$12.50
70	0.250	0.000	2.5	"	0.31	\$7.81
71	0.500	0.250	4.5	3052	1.69	\$42.19
72	0.250	0.125	4.0	"	0.75	\$18.75
73	0.375	0.250	4.0	"	1.25	\$31.25
74	0.500	0.375	4.0	3009	1.75	\$43.75
75	0.375	0.250	4.0	"	1.25	\$31.25
76	0.375	0.000	2.5	"	0.47	\$11.72
77	0.250	0.000	1.5	"	0.19	\$4.69
78	0.375	0.250	4.0	3025	1.25	\$31.25
79	0.250	0.125	4.0	"	0.75	\$18.75
80	0.375	0.250	4.0	"	1.25	\$31.25
81	0.750	0.125	4.0	3031	1.75	\$43.75
82	0.625	0.000	3.5	"	1.09	\$27.34
83	0.625	0.000	4.0	"	1.25	\$31.25
84	0.500	0.000	3.0	3037	0.75	\$18.75
85	0.375	0.000	2.0	3041	0.38	\$9.38
86	0.500	0.000	2.0	"	0.50	\$12.50
87	0.500	0.000	4.0	"	1.00	\$25.00
88	0.625	0.000	3.0	"	0.94	\$23.44
89	0.250	0.000	1.0	"	0.13	\$3.13
90	0.375	0.000	0.75	3047	0.14	\$3.52
91	0.875	0.000	3.25	"	1.42	\$35.55
92	0.750	0.375	4.0	"	2.25	\$56.25
93	0.250	0.000	3.0	"	0.38	\$9.38
94	0.250	0.000	3.5	"	0.44	\$10.94
95	0.625	0.000	2.0	"	0.63	\$15.63
96	0.625	0.000	2.0	"	0.63	\$15.63
97	0.500	0.000	3.0	3053	0.75	\$18.75
98	0.250	0.000	1.0	"	0.13	\$3.13
99	0.500	0.250	4.0	"	1.50	\$37.50
100	0.750	0.375	4.0	3059	2.25	\$56.25
101	0.750	0.000	4.0	3119	1.50	\$37.50
102	0.500	0.000	4.0	3131	1.00	\$25.00
103	0.500	0.125	4.0	"	1.25	\$31.25
104	0.250	0.000	4.0	"	0.50	\$12.50



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No.	Max. Size	Min. Size	Linear Feet	Location	Inch/ Feet	Cost
105	0.375	0.250	4.0	3131 Roxanne	1.25	\$31.25
106	0.500	0.000	4.0	"	1.00	\$25.00
107	0.750	0.750	4.0	3135	3.00	\$75.00
108	0.500	0.000	1.5	"	0.38	N/C
109	0.375	0.000	2.5	"	0.47	N/C
<b>W side of Studebaker - between Barbanell &amp; Willow</b>						
110	0.750	0.500	5.0	2659 Studebaker	3.13	\$78.13
111	0.375	0.000	4.0	"	0.75	\$18.75
112	0.375	0.000	1.0	"	0.19	\$4.69
113	0.500	0.000	3.0	"	0.75	N/C
114	0.250	0.000	1.0	"	0.13	\$3.13
115	0.500	0.000	3.0	"	0.75	\$18.75
116	0.375	0.000	3.0	"	0.56	\$14.06
117	0.375	0.000	1.0	"	0.19	\$4.69
118	0.375	0.000	2.5	"	0.47	\$11.72
119	0.250	0.000	1.5	"	0.19	\$4.69
120	0.375	0.000	3.5	"	0.66	\$16.41
121	0.750	0.500	4.0	2653	2.50	\$62.50
122	0.500	0.000	2.5	2647	0.63	\$15.63
123	0.375	0.000	1.5	"	0.28	\$7.03
124	1.375	0.000	3.5	"	2.41	\$60.16
125	0.375	0.000	0.5	"	0.09	\$2.34
126	0.375	0.000	2.5	2641	0.47	\$11.72
127	0.750	0.375	4.0	"	2.25	\$56.25
128	0.375	0.000	3.0	2631	0.56	\$14.06
129	1.000	0.000	4.0	"	2.00	\$50.00
130	0.500	0.000	1.0	"	0.25	\$6.25
131	0.250	0.000	2.5	"	0.31	\$7.81
132	0.375	0.000	2.0	2625	0.38	\$9.38
133	0.375	0.000	2.0	"	0.38	\$9.38
134	0.750	0.625	4.0	2619	2.75	\$68.75
135	0.250	0.000	4.0	"	0.50	\$12.50
136	0.375	0.250	4.0	2613	1.25	\$31.25
137	0.250	0.000	4.0	2609	0.50	\$12.50
138	0.250	0.000	4.0	2603	0.50	\$12.50
139	0.375	0.250	4.0	"	1.25	\$31.25
140	0.375	0.250	4.0	"	1.25	\$31.25
<b>Roxanne - between Spring &amp; Mezzanine</b>						
141	0.250	0.000	4.0	3141 Roxanne	0.50	\$12.50
142	0.375	0.250	4.0	"	1.25	\$31.25
143	0.375	0.125	4.0	"	1.00	\$25.00
144	0.500	0.000	2.0	3147	0.50	\$12.50
145	0.500	0.000	2.0	"	0.50	\$12.50



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No.	Max. Size	Min. Size	Linear Feet	Location	Inch/ Feet	Cost
146	0.250	0.125	4.0	3147 Roxanne	0.75	\$18.75
147	0.500	0.000	1.0	"	0.25	\$6.25
148	0.500	0.000	3.0	"	0.75	\$18.75
149	0.500	0.125	4.0	"	1.25	\$31.25
150	0.500	0.000	4.0	"	1.00	\$25.00
151	0.500	0.375	4.0	3153	1.75	\$43.75
152	0.250	0.000	2.0	3159	0.25	\$6.25
153	0.250	0.000	2.0	"	0.25	\$6.25
154	0.500	0.000	4.0	3163	1.00	\$25.00
155	1.250	0.125	4.0	"	2.75	\$68.75
156	0.250	0.000	4.5	"	0.56	\$14.06
157	0.375	0.250	4.0	3162	1.25	\$31.25
158	0.500	0.000	4.0	"	1.00	\$25.00
159	0.375	0.000	11.0	"	2.06	\$51.56
160	0.625	0.125	4.0	"	1.50	\$37.50
161	0.250	0.125	4.0	"	0.75	\$18.75
162	0.250	0.000	1.0	3156	0.13	\$3.13
163	0.375	0.000	4.0	3152	0.75	\$18.75
164	0.250	0.000	3.0	"	0.38	\$9.38
165	0.375	0.000	2.5	"	0.47	\$11.72
166	0.250	0.000	2.0	"	0.25	\$6.25
167	1.250	0.000	2.5	3146	1.56	\$39.06
168	0.625	0.000	1.5	"	0.47	\$11.72
169	0.875	0.000	2.5	"	1.09	\$27.34
170	0.375	0.000	1.5	"	0.28	\$7.03
171	0.375	0.000	2.0	"	0.38	\$9.38
<b>Kallin - between Spring &amp; Mezzanine</b>						
172	0.500	0.250	4.0	6163 Kallin	1.50	\$37.50
173	0.375	0.000	1.0	"	0.19	\$4.69
174	0.625	0.000	3.0	"	0.94	\$23.44
175	0.375	0.125	4.0	"	1.00	\$25.00
176	0.750	0.000	3.0	"	1.13	\$28.13
177	0.500	0.000	1.0	"	0.25	\$6.25
178	0.250	0.000	4.0	"	0.50	\$12.50
179	0.750	0.000	2.0	6153	0.75	\$18.75
180	0.750	0.000	2.0	"	0.75	\$18.75
181	1.000	0.000	3.0	"	1.50	\$37.50
182	0.625	0.000	1.0	"	0.31	\$7.81
183	1.125	0.000	4.0	"	2.25	\$56.25
184	0.250	0.125	4.0	3147	0.75	\$18.75
185	0.375	0.000	3.5	"	0.66	\$16.41
186	0.250	0.000	0.5	"	0.06	\$1.56
187	0.500	0.000	3.0	"	0.75	\$18.75



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No.	Max. Size	Min. Size	Linear Feet	Location	Inch/ Feet	Cost
188	0.250	0.000	1.0	3147 Kallin	0.13	\$3.13
189	0.250	0.000	1.5	"	0.19	\$4.69
190	0.625	0.125	4.0	3141	1.50	\$37.50
191	0.375	0.000	4.5	"	0.84	\$21.09
192	0.750	0.000	2.0	3135	0.75	\$18.75
193	0.750	0.000	2.0	"	0.75	\$18.75
194	0.625	0.125	4.0	3131	1.50	\$37.50
195	0.500	0.000	4.0	"	1.00	\$25.00
196	0.625	0.250	4.0	"	1.75	\$43.75
197	0.375	0.250	4.0	3125	1.25	\$31.25
198	0.375	0.000	4.0	"	0.75	\$18.75
<b>Kallin - between Spring &amp; Mezzanine</b>						
199	0.375	0.000	2.5	3156 Kallin	0.47	\$11.72
200	0.500	0.000	3.0	"	0.75	\$18.75
201	0.375	0.000	3.0	3150	0.56	\$14.06
202	0.375	0.000	3.0	"	0.56	\$14.06
203	0.375	0.000	3.5	"	0.66	\$16.41
204	0.375	0.000	1.5	"	0.28	\$7.03
205	0.250	0.000	2.0	3146	0.25	\$6.25
206	0.375	0.250	4.0	"	1.25	\$31.25
207	0.750	0.000	4.0	3140	1.50	\$37.50
208	0.375	0.375	4.0	3130	1.50	\$37.50
209	0.750	0.000	3.0	"	1.13	\$28.13
210	0.250	0.000	4.0	"	0.50	\$12.50
211	0.875	0.000	3.5	3130	1.53	\$38.28
212	0.500	0.000	4.0	3118	1.00	\$25.00
213	0.750	0.000	4.0	"	1.50	\$37.50
214	0.625	0.000	4.0	"	1.25	\$31.25
215	0.625	0.000	4.0	"	1.25	\$31.25
216	1.375	0.000	3.0	3130	2.06	\$51.56
217	0.500	0.000	1.0	"	0.25	\$6.25
218	1.750	0.625	4.0	"	4.75	\$118.75
219	0.875	0.000	4.0	"	1.75	\$43.75
<b>Kallin - between Spring &amp; Mezzanine</b>						
220	1.625	0.000	4.0	3122 Kallin	3.25	\$81.25
221	1.000	0.000	4.0	3108	2.00	\$50.00
222	1.250	0.000	3.5	"	2.19	\$54.69
223	0.500	0.000	0.5	"	0.13	\$3.13
224	0.375	0.000	4.0	"	0.75	\$18.75
225	0.250	0.000	3.5	3102	0.44	\$10.94
226	0.500	0.000	4.0	3068	1.00	\$25.00
227	1.750	0.750	4.0	"	5.00	\$125.00
228	0.625	0.000	4.0	"	1.25	\$31.25





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SANTA CLARITA, CA 91380

CL# 839918

No.	Max. Size	Min. Size	Linear Feet	Location	Inch/ Feet	Cost
229	0.500	0.000	3.5	3062 Kallin	0.88	\$21.88
230	0.625	0.000	3.0	"	0.94	\$23.44
231	0.250	0.000	1.0	"	0.13	\$3.13
232	0.625	0.250	4.0	3058	1.75	\$43.75
233	1.125	0.000	4.0	3052	2.25	\$56.25
234	1.000	0.625	4.0	"	3.25	\$81.25
235	1.750	0.000	4.0	"	3.50	\$87.50
236	0.250	0.000	3.0	3046	0.38	\$9.38
237	0.250	0.000	1.0	"	0.13	\$3.13
238	0.500	0.000	1.5	"	0.38	\$9.38
239	0.625	0.000	2.5	"	0.78	\$19.53
240	1.000	0.000	4.0	"	2.00	\$50.00
241	0.500	0.000	4.0	3040	1.00	\$25.00
242	0.500	0.375	4.0	"	1.75	\$43.75
243	0.375	0.000	2.0	"	0.38	\$9.38
244	0.375	0.000	2.0	"	0.38	\$9.38
245	0.250	0.000	1.0	"	0.13	\$3.13
246	0.375	0.000	3.0	"	0.56	\$14.06
247	0.375	0.250	4.0	"	1.25	\$31.25
248	0.625	0.500	4.0	3030	2.25	\$56.25
249	0.750	0.000	4.0	"	1.50	\$37.50
250	0.750	0.000	4.0	"	1.50	\$37.50
251	0.250	0.000	2.0	"	0.25	\$6.25
252	0.250	0.000	2.0	"	0.25	\$6.25
253	0.250	0.000	1.5	3024	0.19	\$4.69
254	0.375	0.000	2.5	"	0.47	\$11.72
255	0.375	0.000	1.5	"	0.28	\$7.03
256	0.500	0.000	2.5	"	0.63	\$15.63
257	0.500	0.375	4.0	3018	1.75	\$43.75
258	0.500	0.000	4.0	"	1.00	\$25.00
259	1.000	0.000	4.0	"	2.00	\$50.00
260	0.250	0.000	1.5	"	0.19	\$4.69
261	0.375	0.000	2.5	"	0.47	\$11.72
262	0.750	0.500	4.0	"	2.50	\$62.50
263	0.250	0.000	3.5	"	0.44	\$10.94
264	0.625	0.000	2.0	"	0.63	\$15.63
265	0.750	0.000	2.0	"	0.75	\$18.75
266	0.750	0.000	2.0	"	0.75	\$18.75
267	0.750	0.000	2.0	"	0.75	\$18.75
268	0.375	0.125	4.0	3008	1.00	\$25.00
269	0.250	0.000	2.0	"	0.25	\$6.25
270	0.375	0.000	4.0	"	0.75	\$18.75
271	0.500	0.000	4.0	"	1.00	\$25.00



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 SANTA CLARITA, CA 91380  
 CL# 839918

No.	Max. Size	Min. Size	Linear Feet	Location	Inch/ Feet	Cost
272	1.000	0.500	4.0	3008 Kallin	3.00	\$75.00
273	0.625	0.000	4.0	"	1.25	\$31.25
274	0.625	0.000	4.0	"	1.25	\$31.25
275	0.375	0.250	4.0	3003	1.25	\$31.25
276	0.250	0.000	4.0	"	0.50	\$12.50
277	1.500	0.000	4.0	3009	3.00	\$75.00
278	0.750	0.000	4.0	"	1.50	\$37.50
279	0.625	0.000	4.0	"	1.25	\$31.25
280	0.625	0.000	4.0	3015	1.25	\$31.25
281	0.750	0.000	4.0	"	1.50	\$37.50
282	0.500	0.000	4.0	"	1.00	\$25.00
283	0.625	0.500	4.0	"	2.25	\$56.25
284	0.625	0.125	4.0	"	1.50	\$37.50
<b>Kallin - between Spring &amp; Mezzanine</b>						
285	1.000	0.625	4.0	3121 Kallin	3.25	\$81.25
286	0.250	0.250	4.0	3115	1.00	\$25.00
287	0.250	0.000	1.5	"	0.19	\$4.69
288	1.250	0.750	4.0	"	4.00	\$100.00
289	0.250	0.000	3.5	"	0.44	\$10.94
290	0.500	0.000	2.5	3109	0.63	\$15.63
291	0.250	0.000	1.5	"	0.19	\$4.69
292	1.500	1.250	4.0	"	5.50	\$137.50
293	0.375	0.000	3.0	"	0.56	\$14.06
294	0.750	0.000	2.0	"	0.75	\$18.75
295	0.375	0.000	2.5	"	0.47	\$11.72
296	0.500	0.000	1.0	"	0.25	\$6.25
297	0.750	0.750	2.0	"	1.50	\$37.50
298	0.750	0.000	3.0	"	1.13	\$28.13
299	0.250	0.000	1.0	"	0.13	\$3.13
300	0.500	0.000	4.0	"	1.00	\$25.00
301	0.625	0.000	3.5	3103	1.09	\$27.34
302	0.250	0.000	4.0	"	0.50	\$12.50
303	1.000	0.000	2.5	3063	1.25	\$31.25
304	0.875	0.625	1.0	"	0.75	\$18.75
305	0.375	0.000	4.0	"	0.75	\$18.75
306	1.250	0.125	4.0	"	2.75	\$68.75
307	0.375	0.000	4.0	3059	0.75	\$18.75
308	0.375	0.000	2.5	"	0.47	\$11.72
309	0.375	0.000	1.5	"	0.28	\$7.03
310	0.875	0.750	4.0	"	3.25	\$81.25
311	0.250	0.000	3.0	"	0.38	\$9.38
312	1.125	0.000	3.0	3053	1.69	\$42.19
313	0.625	0.000	1.0	"	0.31	\$7.81



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No.	Max. Size	Min. Size	Linear Feet	Location	Inch/ Feet	Cost
314	0.875	0.000	2.5	3047 Kallin	1.09	\$27.34
315	0.500	0.000	1.5	"	0.38	\$9.38
316	0.375	0.125	4.0	3041	1.00	\$25.00
317	0.375	0.000	4.0	"	0.75	\$18.75
318	0.375	0.000	1.5	3037	0.28	\$7.03
319	0.500	0.000	2.5	"	0.63	\$15.63
320	1.125	0.000	2.5	"	1.41	\$35.16
321	0.625	0.000	1.5	"	0.47	\$11.72
322	0.625	0.000	3.0	3031	0.94	\$23.44
323	0.375	0.000	1.0	"	0.19	\$4.69
324	0.500	0.125	4.0	"	1.25	\$31.25
325	0.500	0.125	4.0	"	1.25	\$31.25
326	0.375	0.000	2.0	3025	0.38	\$9.38
327	0.250	0.000	3.5	"	0.44	\$10.94
<b>Pavo St between Rosebay / Lomita - Lomita Ave near Pavo St</b>						
328	0.250	0.250	6.5	5803 Pavo	1.63	\$40.63
329	0.375	0.000	2.5	"	0.47	\$11.72
330	0.250	0.000	0.5	"	0.06	\$1.56
331	0.250	0.000	2.5	"	0.31	\$7.81
332	0.250	0.000	2.5	"	0.31	\$7.81
333	0.375	0.125	4.0	5815	1.00	\$25.00
334	0.250	0.000	2.0	5823	0.25	\$6.25
335	0.250	0.000	2.5	"	0.31	\$7.81
336	0.250	0.000	2.0	"	0.25	\$6.25
337	0.750	0.625	4.0	5831	2.75	\$68.75
338	0.250	0.000	4.0	5837	0.50	\$12.50
339	0.250	0.125	4.0	5841	0.75	\$18.75
340	0.500	0.125	4.0	"	1.25	\$31.25
341	0.250	0.000	4.0	5847	0.50	\$12.50
342	0.375	0.000	4.0	"	0.75	\$18.75
343	0.625	0.500	4.0	5853	2.25	\$56.25
344	0.375	0.000	1.5	5857	0.28	\$7.03
345	0.250	0.000	1.5	5869	0.19	\$4.69
346	0.375	0.000	1.5	"	0.28	\$7.03
347	0.250	0.000	2.0	5885	0.25	\$6.25
348	0.250	0.000	4.0	"	0.50	\$12.50
349	0.250	0.125	4.0	5889	0.75	\$18.75
350	0.250	0.000	1.5	"	0.19	\$4.69
351	0.250	0.000	2.5	"	0.31	\$7.81
352	0.500	0.000	2.0	5895	0.50	\$12.50
353	0.625	0.000	2.0	"	0.63	\$15.63
354	0.750	0.000	2.0	"	0.75	\$18.75
355	0.625	0.000	2.0	"	0.63	\$15.63



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No.	Max. Size	Min. Size	Linear Feet	Location	Inch/ Feet	Cost
356	0.250	0.125	0.5	5895 Pavo	0.09	\$2.34
357	0.250	0.125	1.0	"	0.19	\$4.69
<b>Pavo St between Rosebay / Lomita - Lomita Ave near Pavo St</b>						
358	0.250	0.000	2.5	5909 Pavo	0.31	\$7.81
359	0.375	0.000	3.0	5933	0.56	\$14.06
360	0.875	0.000	3.5	"	1.53	\$38.28
361	0.375	0.000	3.0	5932	0.56	\$14.06
362	0.250	0.000	3.0	"	0.38	\$9.38
363	0.250	0.000	3.5	"	0.44	\$10.94
364	1.500	0.125	4.0	"	3.25	\$81.25
365	1.375	0.000	3.5	"	2.41	\$60.16
366	0.250	0.250	4.0	5924	1.00	\$25.00
367	0.250	0.000	1.5	5914	0.19	\$4.69
368	0.500	0.000	3.0	5902	0.75	\$18.75
369	0.250	0.000	4.0	"	0.50	\$12.50
370	0.250	0.000	3.0	"	0.38	\$9.38
371	0.250	0.125	4.0	5894	0.75	\$18.75
372	0.250	0.000	2.0	"	0.25	\$6.25
373	0.250	0.000	3.0	5890	0.38	\$9.38
374	0.250	0.000	4.0	"	0.50	\$12.50
375	0.250	0.125	4.0	5884	0.75	\$18.75
376	0.250	0.000	2.0	5868	0.25	\$6.25
377	0.250	0.000	3.0	5862	0.38	\$9.38
378	0.250	0.000	3.5	5856	0.44	\$10.94
379	0.750	0.375	4.0	"	2.25	\$56.25
380	1.125	0.000	2.5	"	1.41	\$35.16
381	0.250	0.000	1.0	"	0.13	\$3.13
382	0.625	0.000	1.0	5852	0.31	\$7.81
383	0.750	0.000	3.5	"	1.31	\$32.81
384	0.250	0.000	3.0	"	0.38	\$9.38
385	0.250	0.000	3.0	"	0.38	\$9.38
386	0.375	0.250	4.0	5846	1.25	\$31.25
387	0.250	0.000	2.0	5830	0.25	\$6.25
388	0.250	0.000	2.5	5826	0.31	\$7.81
389	0.250	0.000	2.5	"	0.31	\$7.81
390	0.625	0.125	4.0	5816	1.50	\$37.50
391	0.250	0.125	4.0	5810	0.75	\$18.75
392	0.500	0.000	2.5	across from 3017 Lomita	0.63	\$15.63
393	1.250	0.250	4.0	across from 3013 Lomita	3.00	\$75.00
394	0.875	0.250	4.0	3010 Lomita	2.25	\$56.25
395	0.750	0.000	3.0	"	1.13	\$28.13
396	0.375	0.000	1.0	"	0.19	\$4.69
397	0.375	0.000	2.5	"	0.47	\$11.72



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No.	Max. Size	Min. Size	Linear Feet	Location	Inch/ Feet	Cost
398	0.250	0.000	2.0	across from 3003 Lomita	0.25	\$6.25
399	0.250	0.000	3.0	"	0.38	\$9.38
400	0.500	0.250	5.0	"	1.88	\$46.88
401	0.250	0.000	1.0	"	0.13	\$3.13
402	0.500	0.250	4.5	corner at 3003 Lomita	1.69	\$42.19
403	0.375	0.125	5.0	"	1.25	\$31.25
404	0.500	0.000	2.5	3003	0.63	\$15.63
405	0.250	0.000	1.0	"	0.13	\$3.13
406	0.250	0.000	1.5	"	0.19	\$4.69

**Locations for recommended removal and replacement (R&R)**

- replace at 3025 Roxanne (cracked & sunk)
- replace at 2631 Studebaker (large lift)
- replace at 6163 Kallin (broken up)
- replace at 3162 Kallin (huge lift)
- replace at 3156 Kallin (huge lift & broken up)
- replace at 3146 Kallin (huge lift)
- replace at 3130 Kallin (big lifted buckle)
- replace at 3024 Kallin (broken up)
- replace at 3040 Kallin (large lift)
- replace at 3021 Kallin (large lift)
- replace at 3103 Kallin (huge lift)
- replace at 3103 Kallin (large lift and looks like there might be a broken out portion underneath)
- replace at 3063 Kallin (broken up section - multiple slabs)
- replace at 3047 Kallin (cracked & sunk sections)
- replace at 3031 Kallin (broken - lots of cracks)
- a resident at 5932 Pavo requests replacement of his curb/gutter that makes water stand in drive approach