

CITY OF OAKLAND
AGENDA REPORT

OFFICE OF THE CITY CLERK

2005 DEC 13 PM 12:05

TO: Office of the City Administrator
ATTN: Deborah Edgerly
FROM: Public Works Agency
DATE: December 20, 2005

RE: SUPPLEMENTAL REPORT TO THE RESOLUTION AUTHORIZING THE CITY ADMINISTRATOR TO AWARD A CONSTRUCTION CONTRACT TO RAY'S ELECTRIC FOR THE CIP TRAFFIC SIGNAL INSTALLATION AT THREE INTERSECTIONS IN THE TOTAL AMOUNT OF FIVE HUNDRED FIFTY-ONE THOUSAND TWO HUNDRED NINETY DOLLARS (\$551,290.00)

SUMMARY

At the December 13, 2005 Public Works Committee meeting, a request was made by the Councilmembers to provide the current Citywide Signal Priority List as part of this report.

The City's existing traffic signal system currently consists of approximately 550 signalized locations. Traffic signals are added when there is an identified need in the areas of traffic flow and safety, and pedestrian safety and access.

Intersections are prioritized based on the following criteria, in accordance with established standards published by the State of California, Department of Transportation (Caltrans), Traffic Manual, and Public Works standard practice:

- Vehicular Volumes, 10 points maximum
- Interruption of Continuous Traffic, 5 points maximum
- Pedestrian Volumes, 5 points maximum
- Accident Data, 7 points maximum
- Other, Site Specific Special Conditions to be Evaluated, No Points

Though the two intersections of High Street at Congress Avenue and Lakeshore Avenue at Boden Way rank high in the priority list, there are on-going projects in their area that will mitigate the need for signalization.

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The Citywide Signal Priority List is provided as Exhibit A, for this report.

Respectfully submitted,



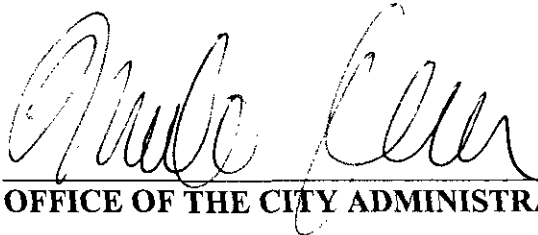
RAUL GODINEZ II, P.E.
Director, Public Works Agency

Reviewed by:
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Design & Construction Services Department

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Manager, Transportation Services Division

Ade Oluwasogo, P.E.
Supervising Transportation Engineer

APPROVED AND FORWARDED
TO THE CITY COUNCIL:



OFFICE OF THE CITY ADMINISTRATOR

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EXHIBIT A
CITYWIDE SIGNAL PRIORITY LIST *

RANK	MAJOR STREET	CROSS STREET	POINTS	DISTRICT COUNCIL	FISCAL YR FUNDING
1	M. L. KING JR WAY **	53RD ST	25.0	1	03-04 CIP
2	MOUNTAIN BLVD	NB13 OFF @ PARK	23.1	4	03-04 CIP
3	14TH AVE**	E 29TH ST/19TH AVE	21.8	2/5	04-05 CIP
4	INTERNATIONAL BLVD	4TH AVE	21.8	2	04-05 CIP
5	LAKESHORE	BODEN	19.8	2	N/A
6	PIEDMONT	LINDA	19.0	1	05-06 CIP
7	HIGH STREET	CONGRESS	18.9	4	N/A
8	HIGH STREET	SANTA RITA	18.6	4/5	05-06 CIP
9	INTERNATIONAL BLVD	55TH AVE	18.6	5	
10	INTERNATIONAL BLVD	64TH AVE	18.4		
11	FOOTHILL	34TH AVE, NORTH INT	18.4	5	
12	MOUNTAIN	LA SALLE	18.4	4	
13	7TH ST	WILLOW	17.8	3	
14	73RD AVE	GARFIELD	17.0	6	
15	INTERNATIONAL BLVD	26TH AVE	17.0	5	
16	MONTANA	CHAMPION	16.9	4	Allway STOP
17	HIGH STREET	PENNIMAN	16.9	4	
18	TELEGRAPH AVENUE	58TH & RACINE	16.8	1	
19	BANCROFT	77TH AVE	16.7	6	
20	FRUITVALE AVENUE	E-16TH ST, SOUTH INT.	16.7	5	
21	FRUITVALE AVENUE	SCHOOL/E-16TH ST	16.7	5	
22	FOOTHILL	4TH AVE	16.7	2	Allway STOP
19	98TH AVE	D STREET	16.7	7	
20	35TH AVE	WISCONSIN	16.6	4	
21	SAN PABLO AVENUE	34TH ST	16.6	3	
22	SEMINARY	AVENAL	16.5	6	
23	MACARTHUR	MAYBELLE	16.5	4	
24	INTERNATIONAL BLVD	81ST AVE	16.5	6	
25	BANCROFT AVE	94TH	16.4	7	
26	TELEGRAPH AVENUE	21ST ST	16.4	3	
27	ADELINE	35TH ST	16.4	3	Allway STOP
28	PARK BLVD	8TH AVE-MCKINLEY	16.3	2	
29	COLLEGE AVENUE	CHABOT	16.3	1	
30	SHATTUCK	61ST (SOUTH)	16.3	1	
31	BANCROFT	64TH AVE	16.3	6	Allway STOP
32	INTERNATIONAL BLVD	3RD AVE	16.2	2	
33	FOOTHILL	40TH AVE	16.2	5	
34	SAN LEANDRO	35TH AVE	16.1	5	
35	COOLIDGE	GALINDO	16.0	5	
36	PARK BLVD	E-28TH ST	16.0	2	
37	EDES AVENUE	85TH AVENUE-WORTH	15.9	7	Allway STOP
38	FOOTHILL	106TH AVE	15.9	7	Allway STOP
39	BANCROFT	96TH AVE	15.9	7	
40	TELEGRAPH	31ST ST	15.9	3	
41	E-12TH ST	19TH AVE	15.8	2	
42	BANCROFT	DURANT	15.7	7	Allway STOP
43	E 12TH	25TH AVE	15.7	5	
44	FOOTHILL	64TH AVE	15.6	2	Allway STOP
45	MACARTHUR	94TH AVE	15.5	7	
46	MACARTHUR	BYRON/FOOTHILL	15.5	7	
47	PARK BLVD	13TH AVE/E.38TH	15.4	4	
48	35TH AVE	BROOKDALE	15.4	4	
49	E-12TH ST	7TH AVE	15.4	2	
50	INTERNATIONAL BLVD	50TH AVE	15.3	5	
51	ADELINE	34TH ST	15.3	3	Allway STOP
52	35TH AVE	SCHOOL	15.3	4	
53	OAKLAND	PEARL	15.3	3	
54	REDWOOD RD	LINCOLN SHOPPING CNTR	15.2	4/6	
55	HIGH STREET	ALLENDALE	15.2	4	

** To be constructed under the proposed contract.

CITYWIDE SIGNAL PRIORITY LIST *

RANK	MAJOR STREET	CROSS STREET	POINTS	DISTRICT COUNCIL	FISCAL YR FUNDING
56	HARRISON	29TH ST	15.1	3	
57	INTERNATIONAL BLVD	54TH AVE	15.1	5	
58	HIGH	CARRINGTON	15.0	4	
59	SEMINARY	OUTLOOK	15.0	6	
60	29TH AVE	E-9TH ST	15.0	5	
61	INTERNATIONAL BLVD	39TH AVE	15.0	5	
62	LINCOLN	MONTEREY	15.0	4	Allway STOP
63	E-10TH ST	2ND AVE	15.0	2	
64	SAN PABLO AVENUE	66TH ST	15.0	1	
65	INTERNATIONAL BLVD	6TH AVE	15.0	2	
66	ADELINE	36TH ST	14.9	3	Allway STOP
67	WEBSTER	22ND ST	14.9	3	
68	REDWOOD RD	MOUNTAIN BLVD	14.7	4	
69	BANCROFT	AVENAL	14.7	6	
70	FRUITVALE AVENUE	E-16TH ST NORTH INT.	14.7	5	
71	PARK BLVD	ESTATES	14.7	4	
72	MARKET	45TH ST	14.7	1	Allway STOP
73	MOUNTAIN	ASCOT	14.6	4	
74	INTERNATIONAL BLVD	28TH AVE	14.6	5	
75	MACARTHUR	100TH AVE	14.5	7	
76	73RD AVE	SUNKIST/HILLMONT	14.4	6	
77	11TH ST	ALICE ST	14.3	2	
78	CLAREMONT	CHABOT RD	14.3	1	
79	FOOTHILL BLVD	4TH AVE	14.2	2	Allway STOP
80	WEST	45TH ST	14.2	1	Allway STOP
81	SAN PABLO AVENUE	59TH ST (SOUTH)	14.1	1	
82	SAN PABLO AVENUE	59TH ST (NORTH)	14.1	1	
83	SHATTUCK	56TH ST	14.1	1	
84	INTERNATIONAL BLVD	107TH AVE	14.0	7	
85	MACARTHUR	108TH AVE	14.0	7	
86	SAN LEANDRO	69TH AVE	14.0	7	
87	HAVENSCOURT	AVENAL	14.0	6	
88	INTERNATIONAL BLVD	57TH AVE	14.0	6	
89	38TH AVE	CARRINGTON	14.0	5	Allway STOP
90	FOOTHILL BLVD	21ST AVE	14.0	5	
91	30TH ST	SUMMIT	14.0	3	
92	ADELINE	26TH ST	14.0	3	
93	BROADWAY	TELEGRAPH	14.0	3	
94	SAN PABLO AVENUE	32ND ST	14.0	3	
95	13TH AVE	E- 24TH ST.	14.0	2	
96	13TH AVE	EAST 18TH ST.	14.0	2	
97	FRANKLIN	7TH ST	14.0	2	
98	PARK BLVD	13TH AVE/E-38TH	14.0	2	
99	HOWE	41ST ST	14.0	1	Allway STOP
100	7TH ST	CHESTER ST	13.9	3	
101	HEGENBERGER RD	LEET DR	13.8	7	
102	FRUITVALE	E-18TH ST	13.8	5	
103	ADELINE	28TH ST	13.8	3	
104	BROADWAY	LAWTON/ROCKRIDGE	13.6	1	
105	INTERNATIONAL BLVD	100TH AVE	13.5	7	
106	35TH AVE	JORDAN	13.5	4	
107	SHATTUCK	61ST (NORTH)	13.5	1	
108	MACARTHUR BLVD	68TH AVE	13.3	6	
109	BANCROFT	50TH AVE	13.2	5	
110	BANCROFT/BOND	48TH AVE	13.2	5	Allway STOP
111	E-21ST	21 AVE	13.1	5	
112	85TH AVE	D ST	13.0	7	
113	FOOTHILL	MASON	13.0	6	
114	HAVENSCOURT	ARTHUR	13.0	6	

CITYWIDE SIGNAL PRIORITY LIST *

RANK	MAJOR STREET	CROSS STREET	POINTS	DISTRICT COUNCIL	FISCAL YR FUNDING
115	MOUNTAIN	SHONE	13.0	6	
116	29TH AVE	E- 10TH ST.	13.0	5	
117	E-12TH ST	25TH AVE	13.0	5	
118	GRAND AVENUE	BELLEVUE (NORTH)	13.0	3	
119	PARK BLVD	EVERETT AVE	13.0	2/4	
120	E-12TH ST	3RD AVE	13.0	2	
121	E-13TH ST	EXCELSIOR	13.0	2	
122	INTERNATIONAL BLVD	7TH AVE	13.0	2	
123	INTERNATIONAL BLVD	9TH AV	13.0	2	
124	BROADWAY	OCEAN VIEW	13.0	1	
125	SAN PABLO AVENUE	67TH ST	13.0	1	
126	SHAFTER	38TH ST	13.0	1	Allway STOP
127	TELEGRAPH AVENUE	37TH ST	13.0	1	
128	35TH AVE	DAVIS	12.9	5	
129	PARK BLVD	EL CENTRO AVE	12.9	2/4	
130	INTERNATIONAL BLVD	7TH AVE	12.9	2	
131	BANCROFT	BANCROFT WAY/47TH	12.8	5	Allway STOP
132	BANCROFT	84TH AVE	12.7	55	
133	HARRISON	MOSS	12.7	1	
134	SHATTUCK	59TH ST	12.5	1	Barrier @ 59th
135	14TH AVE	EAST 27TH/VALCITO	12.3	2	
136	MANDELA PKWY	10TH ST	12.2	3	
137	MACARTHUR BLVD	96TH AVE	12.2	7	
138	PARK BLVD	KINGSLEY ST	12.2	4	
139	E-12TH ST	6TH AVE	12.2	2	
140	106TH AVE	PERALTA OAKS	12.1	7	Allway STOP
141	FOOTHILL BLVD	50TH AVE	12.1	4	
142	MOUNTAIN	OAKNOLL ENTRANCE	12.0	7	
143	35TH AVE	VICTOR	12.0	4	
144	MOUNTAIN	JOAQUIN MILLER	12.0	4	
145	15TH ST	JEFFERSON	12.0	3	
146	HARRISON	FAIRMOUNT	12.0	3	
147	MARITIME	PIER	12.0	3	
148	FOOTHILL	3RD AVE	12.0	2	
149	BROADWAY TERR	PINEWOOD/GLENWOOD	12.0	1	
150	SAN PABLO AVENUE	54TH ST	12.0	1	
151	SHATTUCK	AILEEN	12.0	1	
152	MACARTHUR BLVD	77TH AVE	12.0	6	
153	INTERNATIONAL BLVD	19TH AVE	11.9	2	
154	BANCROFT	67TH AVE	11.8	6	
155	PARK BLVD	38TH AVE	11.8	2	
156	M. L. KING JR WAY	42ND ST	11.8	1	
157	PIEDMONT	GLEN	11.8	1	
158	INTERNATIONAL BL	103rd Ave.(west int)	11.7	7	
159	COLLEGE AVENUE	OAKGROVE-BIRCH	11.7	1	
160	OAKLAND	MONTE VISTA	11.7	1	Allway STOP
161	SEMINARY	OAKDALE	11.6	6	
162	MOUNTAIN	KELLER	11.4	6	Allway STOP
163	PARK BLVD	PORTLAND & 5TH AV	11.4	2	
164	INTERNATIONAL BLVD	20TH AVE	11.4	5	
165	MACARTHUR BLVD	88TH AVE	11.3	7	
166	SEMINARY	BRANN	11.3	6	Allway STOP
167	73RD AVE	OUTLOOK	11.3	6	
168	FOOTHILL BLVD	13TH AVE	11.1	2	Allway STOP
169	FOOTHILL BLVD	62ND AVE	11.1	6	
170	INTERNATIONAL BLVD	96TH AVE	11.0	7	
171	73RD AVE	HOLLY	11.0	6	
172	22ND AVE	E- 15TH ST.	11.0	5	
173	38TH AVE	ALLENDALE	11.0	5	

CITYWIDE SIGNAL PRIORITY LIST *

RANK	MAJOR STREET	CROSS STREET	POINTS	DISTRICT COUNCIL	FISCAL YR FUNDING
174	FOOTHILL BLVD	41ST AVE	11.0	5	
175	INTERNATIONAL BLVD	52ND AVE	11.0	5	
176	15TH ST	CLAY	11.0	3	
177	HARRISON	HAMILTON	11.0	3	
178	MARITIME	7TH ST	11.0	3	
179	WEBSTER	3RD ST	11.0	3	
180	WEST GRAND	LINDEN	11.0	3	
181	INTERNATIONAL BLVD	13TH AVE	11.0	2	
182	BROADWAY TERR	G.GATE & HERMOSA	11.0	1	Allway STOP
183	CALDECOTT	KAY OVERCROSSING	11.0	1	
184	SAN PABLO AVENUE	55TH ST	11.0	1	
185	SHAFTER	49TH ST	11.0	1	
186	JOAQUIM MILLER	SKYLINE BLVD	11.0	4	
187	MORAGA	ESTATES	11.0	1	
188	GRAND	WELDON	10.9	2	
189	LAKESHORE AVENUE	BODEN WAY	10.9	2	
190	PARK BLVD	E. 21ST ST	10.9	2	
191	GRAND AVENUE	SUNNYSLOPE	10.8	2	
192	PARK BLVD	CLEVELAND	10.8	2	
193	98TH AVE	MEDFORD	10.7	7	
194	MACARTHUR BLVD	76TH AVE	10.5	6	
195	PARK BLVD	ZION LUTHERAN	10.5	4	
196	55TH ST	DOVER	10.5	1	
197	BROADWAY	28TH ST	10.4	3	
198	82ND AVE	PLYMOUTH	10.3	7	
199	98TH AVE	SUNNYSIDE	10.3	7	
200	MACARTHUR BLVD	MILLSVIEW	10.3	6	
201	MACARTHUR BLVD	ATHOL	10.3		
202	INTERNATIONAL BLVD	102ND AVE	10.2	7	
203	PLEASANT VALLEY	HOWE	10.2	1	
204	23RD AVE	E-24TH ST	10.1	5	
205	35TH AVE	GALINDO	10.1	5	
206	CAMDEN	62ND AVE	10.0	6	
207	INTERNATIONAL BLVD	71ST AVE	10.0	6	
208	SAN LEANDRO	39TH AVE	10.0	5	
209	ADELINE	16TH ST	10.0	3	
210	13TH AVE	E-28TH ST	10.0	2	
211	7TH ST	ALICE	10.0	2	
212	E-13TH ST	E-28TH ST	10.0	2	
213	PARK BLVD	BEAUMONT	10.0	2	
214	M. L. KING JR WAY	61ST ST	10.0	1	
215	WEBSTER	38TH ST	10.0	1	
216	98TH AVE	GOULD	9.9	7	
217	INTERNATIONAL BLVD	11TH AVE	9.9	2	
218	MARKET	52ND ST	9.9	1	
219	SHATTUCK	58TH ST	9.9	1	
220	81ST AVE	RUDSDALE	9.8	7	
221	90TH AVE	OLIVE	9.8	7	
222	FALLON	9TH ST	9.7	2	
223	INTERNATIONAL BLVD	51ST AVE	9.6	5	
224	85TH AVE	G ST	9.5	7	
225	INTERNATIONAL BLVD	87TH AVE	9.5	7	
226	THORNHILL	GRISBONE(NORTH)	9.5	4	
227	9TH AVE	E-15TH ST	9.5	2	
228	E-15TH ST	11TH AVE	9.5	2	
229	MARKET	43RD AVE	9.5	1	
230	MACARTHUR	ADAM & CHETWOOD	9.4	3	Allway STOP
231	COOLIDGE AVENUE	LOGAN	9.3	5	
232	OAKLAND AVENUE	29TH STREET	9.3	3	

CITYWIDE SIGNAL PRIORITY LIST *

RANK	MAJOR STREET	CROSS STREET	POINTS	DISTRICT COUNCIL	FISCAL YR FUNDING
233	TELEGRAPH	31ST ST	9.3	3	
234	MARKET	53RD ST	9.3	1	Allway STOP
235	INTERNATIONAL BL	101ST AVE	9.2	7	
236	SCHOOL	MAPLE	9.2	4	
237	WEST	42ND ST	9.2	1	Allway STOP
238	INTERNATIONAL BLVD	53RD ST	9.1	5	
239	98TH AVE	CHERRY	9.0	7	
240	INTERNATIONAL BLVD	83RD AVE	9.0	7	
241	73RD AVE	ORRAL	9.0	6	
242	E-15TH ST	9TH AVE	9.0	2	
243	M. L. KING JR WAY	30TH ST	8.8	3	
244	WEST	BROCKHURST	8.8	3	Allway STOP
245	MARKET	24TH ST	8.7	3	
246	SAN PABLO	56TH ST	8.7	1	
247	FOOTHILL	24TH AVE	8.4	5	
248	MARKET	46TH ST	8.4	1	
249	14TH AVE	E-19TH ST	8.3	2	
250	SHATTUCK	57TH ST	8.1	1	
251	23RD AVE	E-17TH ST	8.0	5	
252	BANCROFT	51ST AVE	8.0	5	
253	E-12TH ST	38TH AVE	8.0	5	
254	FOOTHILL	27TH AVE	8.0	5	
255	MACARTHUR	LAUREL	8.0	4	
256	VALDEZ	23RD ST	8.0	3	
257	VALDEZ	24TH ST	8.0	3	Allway STOP
258	BEAUMONT	E-38TH ST	8.0	2	
259	E-12TH ST	47TH AVE	8.0	2	
260	FOOTHILL	11TH AVE	8.0	2	
261	MACARTHUR BLVD	62ND AVE	7.8	6	
262	PERALTA	35TH ST	7.8	3	
263	CLAREMONT	60THST/HILLEGAS	7.8	1	
264	WEST GRAND	MAGNOLIA	7.7	3	
265	PARK BLVD	NEWTON	7.7	2	
266	MARKET	42ND ST	7.7	1	
267	90TH AVE	SUNNYSIDE	7.2	7	
268	SEMINARY	ELIZABETH	7.2	6	
269	35TH AVE	PAXTON	7.2	5	
270	MARKET	44TH ST	7.2	1	
271	MACARTHUR	84TH	7.0	7	
272	55TH AVE	FLEMING	7.0	6	
273	23RD AVE	E-23RD ST	7.0	5	
274	28TH AVE	E-16TH ST	7.0	5	
275	38TH AVE	BROOKDALE	7.0	5	
276	SAN LEANDRO	37TH AVE	7.0	5	
277	ASCOT	MOUNTAIN GATE	7.0	4	
278	16TH AVE	E-15TH ST	7.0	2	
279	BROADWAY TERR	CLAREWOOD	7.0	1	Allway STOP
280	MARKET	54TH ST	7.0	1	
281	SHAFTER	CLIFTON	7.0	1	
282	SHAFTER	HUDSON	7.0	1	
283	35TH AVE	CUSTER	6.9	5	
284	FOOTHILL	9TH	6.8	2	
285	PERALTA	10TH ST	6.7	3	
286	SEMINARY	HILLMONT	6.3	6	
287	MARKET	41ST ST	6.2	3	
288	62ND AVE	E-17TH ST	6.0	6	
289	BANCROFT	FORTUNE WAY/60TH	6.0	6	
290	MORAGA	HARBORD	6.0	1	
291	KELLER AVENUE	FONTAINE ST	5.4	6	

CITYWIDE SIGNAL PRIORITY LIST *

RANK	MAJOR STREET	CROSS STREET	POINTS	DISTRICT COUNCIL	FISCAL YR FUNDING
292	LINCOLN	HEARST	5.3	4	
293	98TH AVE	OLIVE	5.0	7	
294	EDES	CLARA	5.0	7	
295	27TH AVE	E-16TH ST	5.0	5	
296	HIGH STREET	PORTER	5.0	4	
297	MACARTHUR	BROWN	5.0	4	
298	THORNHILL	WOODHAVEN	5.0	4	
299	M. L. KING JR WAY	BROCKHURST	5.0	3	
300	87TH AVE	BIRCH	4.1	7	
301	62ND AVE	E-16TH ST	4.0	6	
302	WEST	30TH ST	4.0	3	
303	106TH AVE-MALCOLM	SHELDON	3.6	7	
304	EDES	PHELPS ST	3.0	7	
305	HIGH STREET	QUIGLEY	3.0	2	

**Note: While list contains over 300 locations, appearance on list does not constitute need for or satisfaction of warrants for installation of signal. Ranking change over time based on factors including but not limited to traffic and pedestrian volumes, geometry, accidents and site specific conditions.*