



City of Carson Report to Mayor and City Council

August 7, 2012
New Business Consent

SUBJECT: CONSIDER AN AWARD OF A CONSTRUCTION CONTRACT FOR PROJECT NO. 1297: CITYWIDE ANNUAL OVERLAY PROGRAM AND PROJECT NO. 1289: CITYWIDE ANNUAL CONCRETE REPLACEMENT PROGRAM

Farrokh Abolfathi

Submitted by Farrokh Abolfathi
Acting Development Services General Manager

David C. Biggs

Approved by David C. Biggs
City Manager

I. SUMMARY

On June 19, 2012, City Council approved plans, specifications and estimates (PS&E) and authorized staff to advertise the work and call for construction bids (Exhibit No. 1) for Project No. 1297: Citywide Annual Overlay Program and Project No. 1289: Citywide Annual Concrete Replacement Program (Exhibit No. 2).

On July 25, 2012, seven bids were received and opened by the City Clerk. The lowest responsible bidder is Sully Miller Contracting Company, with a bid in the amount of \$1,295,000.00.

Engineering Services staff submitted a Request for Proposal to three consulting firms on the City's consultant list to provide material testing services. On August 1, 2012, all three firms submitted proposals and were placed on the ranking list for this project. The top ranked firm, and most qualified, is Hushmand Associates, Inc.

This project is subject to the requirement of the City's master Project Labor Agreement (PLA). The selected contractor and all subcontractors have an obligation to comply with all of the terms of the PLA.

II. RECOMMENDATION

TAKE the following actions:

1. AWARD a construction contract for Project No. 1297: Citywide Annual Overlay Program, plus civic center parking lots; and Project No. 1289: Citywide Annual Concrete Replacement Program in the amount of \$1,295,000.00, to the lowest responsible bidder, Sully Miller Contracting Company.
2. AUTHORIZE the expenditure of a construction contingency, if necessary, in an amount not-to-exceed \$194,250.00 (15%) for change orders such as the removal and remediation of contaminated soil, substructure conflicts, and

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other unforeseen construction work that may be required to complete this project.

3. AUTHORIZE the Mayor to execute the construction contract following approval as to form by the City Attorney.
4. AUTHORIZE a material testing service agreement in the amount of \$19,611.20 to Hushmand Associates, Inc.

III. ALTERNATIVES

1. REJECT all bids.
2. TAKE another action the City Council deem appropriate.

IV. BACKGROUND

The citywide annual overlay program is listed in the City's Capital Improvement Program for FY 2011/12.

This project is a combination of Project No. 1297: Citywide Annual Overlay Program and Project No. 1289: Citywide Annual Concrete Replacement Program.

Project No. 1297 consists of grinding existing asphalt pavement and overlaying it with one and half inches of rubberized asphalt, which has superior benefits when compared with conventional asphalt, the removal and reconstruction of deteriorated sections of the roadway, pavement markings and re-striping and other related work.

Project No. 1289 calls for the repair of damaged sidewalks, driveway approaches, cross gutters, curbs and gutters and access ramps. Staff completed a survey of the city to identify street locations that require repair to restore concrete improvements to city standards and Americans with Disabilities Act (ADA) requirements. In addition, community service requests were inspected, evaluated against City standards and, as appropriate, included in this project.

The project locations were selected based on the recommendation of the City's Pavement Management System MicroPaver Program and the available budget. In an effort to maximize the economy of scale, staff concentrated on maintenance zone no. 6 which exhibited the highest need in order to prevent deterioration of and/or preserve existing pavement:

The project is bordered by 223rd Street, Avalon Boulevard, Sepulveda Boulevard, Panama Avenue and 228th Street. The attached Location List identifies the street names and limits of the overlay area and concrete repair/replacement quantities (Exhibit No. 3).

The PS&E was prepared by City Engineering Division staff.

On July 25, 2012, seven bids were received and opened by the City Clerk as listed below:

<u>Bidder</u>	<u>Place of Business</u>	<u>Total Bid</u>
1. Sully-Miller Contracting Co.	Brea, CA	\$1,295,000.00
2. All American Asphalt, Inc.	Corona, CA	\$1,369,369.00
3. Hardy & Harper, Inc.	Santa Ana, CA	\$1,484,000.00
4. R.J. Noble Company	Orange, CA	\$1,506,720.00
5. EBS General Engineering, Inc.	Corona, CA	\$1,517,787.00
6. Silvia Construction, Inc.	Rancho Cucamonga, CA	\$1,563,796.00
7. Excel Paving Company	Long Beach, CA	\$1,829,612.00

Staff has reviewed the bids and finds that the lowest responsible bidder, Sully Miller Contracting Company, is a bona fide contractor licensed by the state of California. The bid bond, in the amount of 10% of the total bid, as supplied by Liberty Mutual Insurance Company, under the laws of the state of Massachusetts, is in order and was submitted with the bid. The contractor's references have been checked, and it has been verified that the contractor has completed similar projects in an acceptable manner.

The contractor is a member of the Construction Labor Union of Southern California; therefore, the contractor automatically is in compliance with the PLA regulations.

On July 16, 2012, Engineering Services staff submitted a Request for Proposal to three consulting firms on the City's consultant list to provide material testing services during the implementation of this project.

On August 1, 2012, three proposals were received as listed below:

<u>Firm</u>	<u>Place of Business</u>	<u>Total Fee</u>
1. Hushmand Associates, Inc.	Irvine, CA	\$19, 611.20
2. Converse Consultant, Inc.	Monrovia, CA	\$28,560.00
3. Associated Soils Engineering, Inc.	Signal Hill, CA	\$36, 650.00

Staff has reviewed the proposals and they were placed on the ranking list for this project. The top ranked firm, and most qualified, is Hushmand Associates, Inc.

The accomplished and anticipated timeline for this project is as follows:

Approval of PS&E	Completed
Advertise Notice Inviting Bids	Completed
Award of Construction Contract	August 7, 2012
Start of construction	September 2012
Completion of construction	January 2013

V. FISCAL IMPACT

The total estimated construction cost of these improvement projects is \$1,500,000.00. Funds for these projects are included in the adopted FY 2011/12 Proposition 1B and Gas Tax budgets. Additionally, FY 2011/12 includes \$250,000.00 received and deposited in the Gas Tax funds from the developer as part of the condition of approval for the property located along Lomita Street, east of Wilmington Avenue to be used to supplement the citywide overlay projects.

The project numbers, funding sources, account numbers and amounts are as follows:

Project Nos.	Fund Source	Account No.	Amount
1297	Gas Tax fund	12-80-999-004-8020/0129701	\$290,450.00
1297	Proposition 1B	66-80-999-004-8020/0129701	459,547.00
1297	Gas Tax Fund (Developer Deposit)	12-80-999-004-8020/0129701	250,000.00
1289	Proposition 1B	66-80-999-004-8020/0128601	250,000.00
1289	Gas Tax fund	12-80-999-004-8020/0128601	250,000.00
TOTAL			\$1,499,997.00

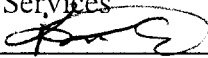
VI. EXHIBITS

1. Agenda disposition, June 19, 2012, Item No. 9. (pg. 6)
2. Location Maps. (pg. 7)
3. Location List. (pgs. 8-21)

Prepared by: Rick Boutros, P.E., Associate Civil Engineer

TO:Rev04-23-12

Reviewed by:

City Clerk	City Treasurer
Administrative Services 	Development Services
Economic Development	Public Services

Action taken by City Council

Date_____ Action_____

**ITEM NO. (9) CONSIDER APPROVAL OF PLANS, SPECIFICATIONS, AND ESTIMATES
AND AUTHORIZATION TO ADVERTISE FOR CONSTRUCTION BIDS
FOR PROJECT NO. 1297: CITYWIDE ANNUAL OVERLAY PROGRAM
AND PROJECT NO. 1289: CITYWIDE ANNUAL CONCRETE
REPLACEMENT PROGRAM (DEVELOPMENT SERVICES)**

RECOMMENDATION for the City Council:

TAKE the following actions:

1. APPROVE the plans, specifications, estimates, Location Maps and Location List, and order the work for Project No. 1297: Citywide Annual Overlay Program and Project No. 1289: Citywide Annual Concrete Replacement Program.
2. AUTHORIZE staff to advertise the work and call for construction bids for Project No. 1297: Citywide Annual Overlay Program and Project No. 1289: Citywide Annual Concrete Replacement Program.

ACTION: Item No. 9 was approved on the New Business Consent Calendar on motion of Dear, seconded by Ruiz-Raber and unanimously carried by the following vote:

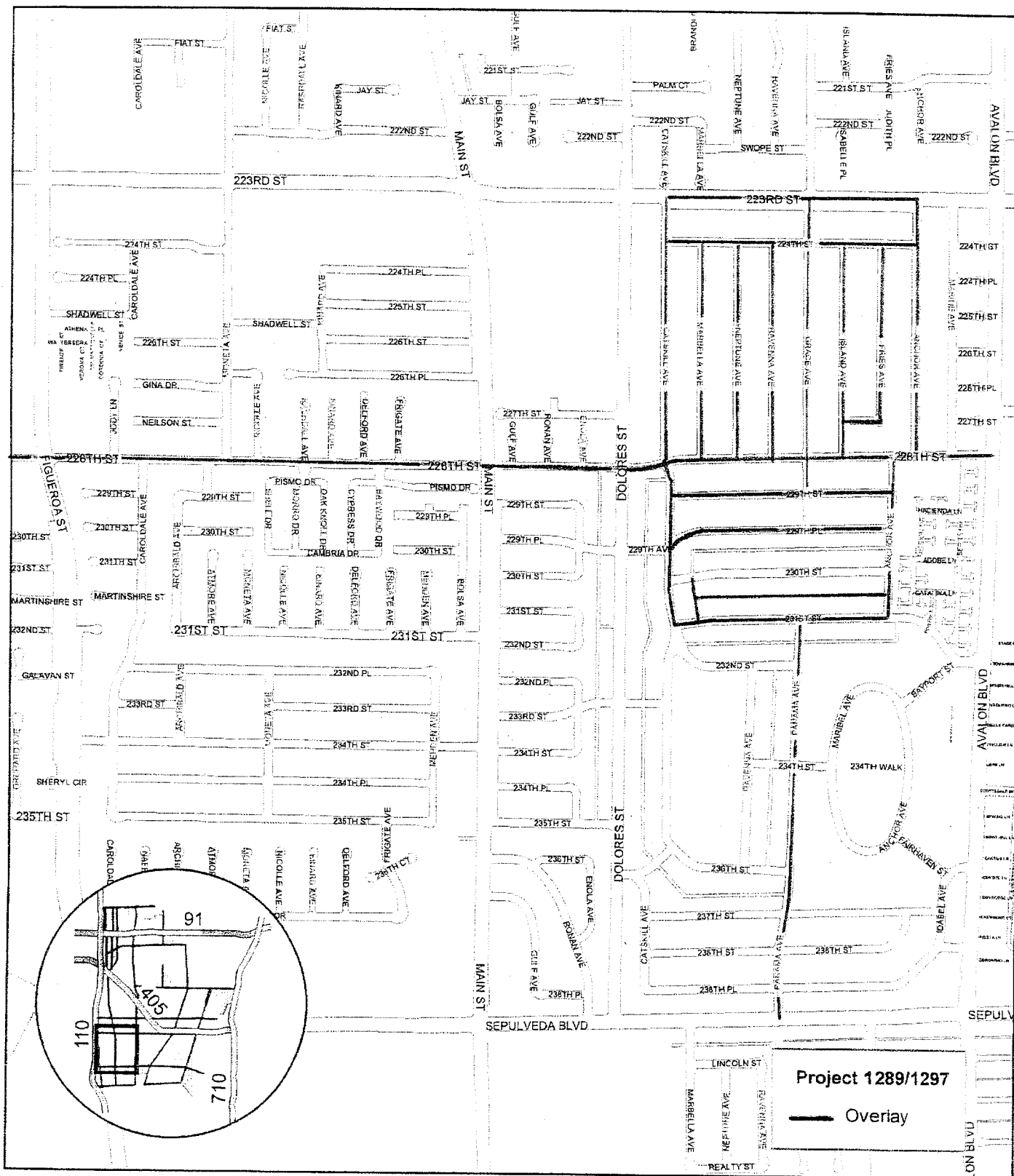
Ayes: Mayor/Agency Chairman/Authority Chairman Dear, Mayor Pro Tem/Agency Vice Chairman/Authority Vice Chairman Ruiz-Raber, Council/Agency Member/Authority Commissioner Davis-Holmes, Council/Agency Member/Authority Commissioner Gipson, and Council/Agency Member/Authority Commissioner Santarina

Noes: None

Abstain: None

Absent: None





Location Map
Project Nos. 1289 and 1297
Citywide Annual Overlay Program and
Annual Concrete Replacement Program

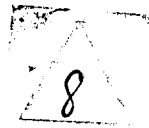
EXHIBIT NO. 2

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Annual Overlay Project No. 1297 - FY 2011 / 12

CITY OF CARSON

LEGEND			P= PRIMARY	O= RESIDENTIAL	C= COLLECTOR										
Section NO.	Name	From	To	Existing Surface	Section Rank	Length	Width	True Surface Area	Cold Mill Area (S.F.)	Approx. R&R Area (S.F.)	Approx. Base/F. Course (S.F.)	Manhole Cover (Each)	Valve, Cover (Each)	Speed Hump (Each)	LOOP Detector (EA)
1	223RD STREET ST	CATSKILL AVE	ANCHOR AVE	SS	O	1,740.00	30	52,200	34,800	1,740	1,740	6		2	
2	224TH ST	CATSKILL AVE	ANCHOR AVE	SS	O	1,740.00	36	62,640	45,240	2,262	2,262	9			
3	228TH ST	W. CITY LIMITS	DOLORES ST	SS	C	4,255.00	33	140,415	127,650	5,383	5,383				
4	228TH ST	DOLORES ST	CATSKILL AVE	AC+OK	C	300.00	36	0	0	0	0				
5	228TH ST	CATSKILL AVE	AVANON BLVD	SS	C	750.00	36	27,000	19,500	975	975	29	23		6
6	229TH FL	CATSKILL AV	ANCHOR AV	SS	O	2,165.00	30	64,950	43,300	2,165	2,165	5	0	4	
7	223TH ST	DOLORES ST	ANCHOR AVE	SS	O	1,925.00	30	57,750	38,500	1,925	1,925	4	1	3	
8	230TH ST	CATSKILL AVE	ANCHOR AVE	AC	O	1,550.00	36	55,800	40,300	2,015	2,015			5	
9	231ST ST	CATSKILL AVE	ANCHOR AVE	SS	O	1,510.00	36	54,360	39,280	1,963	1,963	2	6		
10	ANCHOR AVE 231ST ST	ANCHOR AVE	231ST ST	AC	O	750.00	16	12,000	4,500	225	225			2	
11	ANCHOR AVE	231ST ST	228TH ST	SS	O	1,135.00	36	40,860	29,510	1,476	1,476	5	1	5	
12	ANCHOR AVE	228TH ST	224TH ST	AC+OK	O	1,510.00	36	0	0	0	0				
13	CATSKILL AV	231ST ST	223RD ST	SS	O	3,030.00	36	109,080	78,780	3,939	3,939	9	7	4	
14	FRIES AVE	ISLAND AVE	224TH ST	SS	O	1,520.00	32	48,640	33,440	1,672	1,672	4	0		
15	228TH ST	228TH ST	228TH ST	SS	O	230.00	36	8,280	7,680	380	380			4	
16	GRADE AV	228TH ST	224TH ST	AC+OK	O	1,520.00	36	0	0	0	0				
17	GRADE AV	224TH ST	223RD ST	SS	O	285.00	36	10,260	7,410	1,112	1,112			4	
18	ISLAND AVE	FRIES AVE	224TH ST	SS	O	1,495.00	32	47,840	32,890	1,645	1,645	5	0		
19	NEPTUNE AV	226TH ST	224TH ST	SS	O	1,545.00	32	48,440	33,990	1,700	1,700				
19	MARBELLA AV	228TH ST	224TH ST	SS	O	1,545.00	30	46,350	30,900	1,545	1,545	4	0	4	
20	PARADISE AV	SEPULVEDA BL	238TH PL	SS	O	2,936.00	36	105,686	76,336	3,817	3,817	17	10		2
21	RAVENNA AVE	226TH ST	224TH ST	SS	O	1,545.00	32	49,440	33,980	1,700	1,700	4	0		
22															
LEGEND						**Streets with full width 1.5" [Cold milling]									
TOTAL QTY'S						34,981.00		1,043,001	757,886	38,635	38,635	103	48	37	2



Annual Concrete Replacement Program Project No. 1289

- FY 2011 / 12

CITY OF CARSON

ADDRESS			CONCRETE REPLACEMENT ESTIMATED QUANTITIES										PAVEMENT INVENTORY					
	Street No.	Street Name	CURB & GUTTER (L.F.)	SIDEWALK (S.F.)	DMV APPR. (S.F.)	ACCESS RAMP (EA)	CROSS GUTTER (S.F.)	TREE REMOVAL (EA)	LOCAL R&R (S.F.)	COLD MILL F.W./H.C. (S.F.)	OVERLAY AREA (S.F.)	Manhole Cover (Each)	Valve, Cover (Each)	Speed Hump (EA)	LOOP Detectors (EA)			
1	NW corner	E. 228th St. & Avalon Blvd. (T. Dome Panel only)				1												
2	corner	E. 228th St. & Avalon Blvd. (T. Dome Panel only)																
3	Loops	E. 228th St. & Avalon Blvd.													2			
4	525 NW	E. 228th Street			10.50													
5	corner	E. 228th St. & Martin Ave.				1												
6	N/E corner	E. 228th St. & Martin Ave.				1												
7		E. 228th St. & Anchor (Church)		50.00				1										
8	NW corner	E. 228th St. & Anchor Ave.				1												
9	corner	E. 228th St. & Anchor Ave.				1												
10	corner	E. 228th St. & Island Ave.				1												
11	NW corner	E. 228th St. & Island Ave.				1												
12	418	E. 228th St.	50.00		50.00													
13	408	E. 228th St.	30.00					1										
14	402 NW	E. 228th St.	30.00															
15	corner	E. 228th St. & Grace Ave.				1												
16	N/E corner	E. 228th St. & Grace Ave. (T. Dome Panel only)				1												
17	S/E corner	E. 228th St. & Grace Ave.				1												
18	386	E. 228th St.	30.00		54.00													
19	376	E. 228th St.	30.00	48.00	108.00													
20	379 NW	E. 228th St.			140.00													
21	NW corner	E. 228th St. & Ravenna Ave.				1												
22	corner	E. 228th St. & Ravenna Ave.				1												
23	NW corner	E. 228th St. & Neptune Ave.				1												
24	N/E corner	E. 228th St. & Neptune Ave.				1												
25	326	E. 228th St.	50.00															
26	329 NW	E. 228th St. (Marbella Side)	30.00	48.00	126.00													
27	NW corner	E. 228th St. & Marbella Ave.				1												

CONCRETE QTY'S ESTIMATE

LOCATION LIST - 2

 June 12, 2012
 Printed 7/10/2012


Annual Concrete Replacement Program Project No. 1289 - FY 2011 / 12

CITY OF CARSON

ADDRESS			Street Name	CONCRETE REPLACEMENT ESTIMATED QUANTITIES							PAVEMENT INVENTORY						
	Street No.			CURB & GUTTER (L.F.)	SIDEWALK (S.F.)	DWY APPR (S.F.)	ACCESS RAMP (EA)	CROSS GUTTER (S.F.)	TREE REMOVAL (EA)	LOCAL R&R (S.F.)	COLD MILL F.W./H.C. (S.F.)	OVERLAY AREA (S.F.)	Manhole Cover (Each)	Valve, Cover (Each)	Speed Hump (EA)	LOOP Detectors (EA)	
28	N/E corner	E. 228th St. & Marbella Ave.					1										
29	322 N/W	E. 228th St.	30.00														
30	corner S/W	E. 228th St. & Calskill Ave.					1										
31	corner S/E	E. 228th St. & Calskill Ave.					1										
32	corner N/W	E. 228th St. & Calskill Ave.					1										
33	corner N/E	E. 228th St. & Dolores Ave.					1										
34	corner S/W	E. 228th St. & Dolores Ave.					1										
35	corner S/E	E. 228th St. & Dolores Ave.					1										
36	corner	E. 228th St. & Dolores Ave.					1										
37	254	to 260 E. 228th Street	44.00						1								
38	202 N/E	E. 228th St.	45.00						1								
39	corner N/W	E. 228th St. & Enola Ave.					1										
40	corner	E. 228th St. & Enola Ave.					1										
41	X Gutter	E. 228th St. & Enola Ave.						544.00									
42	22719 N/E	E. Enola Ave (228th St. Side)	66.00	32.00	40.00				1								
43	corner N/W	E. 228th St. & Roman Ave.					1										
44	corner	E. 228th St. & Roman Ave.					1										
45	X Gutter N/E	E. 228th St. & Roman Ave.						544.00									
46	corner N/W	E. 228th St. & Gulf Ave.					1										
47	corner	E. 228th St. & Gulf Ave.					1										
48	X Gutter	E. 228th St. & Gulf Ave.						544.00									
49	22719 N/E	Gulf Ave. (on 228th St. side)	66.00	32.00													
50	corner N/W	E. 228th St. & Main St.					1										
51	corner S/E	E. 228th St. & Main St.					1										
52	corner S/W	E. 228th St. & Main St.					1										
53	corner N/E	E. 228th St. & Main St.					1										
54	corner	E. 228th St. & Main St.	50.00	100.00													

CONCRETE QTY'S ESTIMATE

LOCATION LIST - 3

June 12, 2012
Printed 7/10/2012

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Annual Concrete Replacement Program Project No. 1289

CITY OF CARSON

- FY 2011 / 12

Item No.	Street Name	ADDRESS	CURB & GUTTER (L.F.)	SIDEWALK (S.F.)	DWY APPR. (S.F.)	ACCESS RAMP (EA)	CROSS GUTTER (S.F.)	TREE REMOVAL (EA)	LOCAL P&R (S.F.)	COLD MILL F.W.H.C. (S.F.)	OVERLAY AREA (S.F.)	Manhole Cover (Each)	Valve, Cover (Each)	Speed Hump (EA)	LOOP Detectors (EA)	PAVEMENT INVENTORY	
55	N/E corner	W. 228th St. & Frigate Ave.				0											
56	N/W corner	W. 228th St. & Frigate Ave.				0											
57	N/W corner	W. 228th St. & Kinard Ave.				0											
58	N/E corner	W. 228th St. & Kinard Ave.				0											
59	N/E corner	W. 228th St. & DeFord Ave.				0											
63	N/E corner	W. 228th St. & Rashidall Ave.				1											
64	N/W corner	W. 228th St. & Rashidall Ave.				1											
65	N/E corner	W. 228th St. & Nicole Ave.				1											
68	N/W corner	W. 228th St. & Nicole Ave.				1											
67	N/E corner	W. 228th St. & Moneta Ave.				1											
68	N/W corner	E. 228th St. & Moneta Ave.				1											
69	S/E corner	W. 228th St. & Almore Ave.				1											
70	S/W corner	W. 228th St. & Almore Ave.				1											
71	S/E corner	W. 228th St. & Carolale Ave.				1											
72	S/W corner	W. 228th St. & Carolale Ave.				1											
73	22158	Jody Lane (on 228th Side)	150.00	64.00													
74	N/E corner	W. 228th St. & Jody Lane				1											
75	N/W corner	W. 228th St. & Jody Lane				1											
76	S/W corner	W. 228th St. & Figueroa St. (T. Dome Panel only)				1											
77	N/W corner	W. 228th St. & Figueroa St. (T. Dome Panel only)				1											
78	X Gutter	W. 228th St. & Figueroa St.					1,216.00										
79	DWY	W. 228th St. & Figueroa St. (Gas DWY)	40.00		360.00												
	Surface	E. 228th St., Avalon Blvd to Dolores St.										9	6				
	Surface	E. 228th St., Dolores St. to Main St.										5	9				
	Surface	W. 228th St., Main St. To Figueroa St.										15	8				

CONCRETE QTY'S ESTIMATE

LOCATION LIST - 4

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Annual Concrete Replacement Program Project No. 1289

CITY OF CARSON

- FY 2011 / 12

ADDRESS		CONCRETE REPLACEMENT ESTIMATED QUANTITIES										PAVEMENT INVENTORY					
Street No	Street Name	CURB & GUTTER (L.F.)	SIDEWALK (S.F.)	DWY APPR. (S.F.)	ACCESS RAMP (EA)	CROSS GUTTER (S.F.)	TREE REMOVAL (EA)	LOCAL R&R (S.F.)	COLD MILL F.W./H.C. (S.F.)	OVERLAY AREA (S.F.)	Manhole Cover (Each)	Valve, Cover (Each)	Speed Hump (EA)	LOOP Detectors (EA)			
80 500	West 228th St.			98.00										8			
81	Loops on E. 228th St. & Main Street																
82 519	E. 228th Street (Anchor Side)		48.00				1										
83 509	E. 228th Street (Anchor Side)		32.00														
84 22702	Anchor Ave	50.00					1										
85 22703	Anchor Ave		64.00														
86 22718	Anchor Ave		32.00														
87 22722	Anchor Ave	50.00											1				
22711	Anchor Ave (Hump)																
88 22711	Anchor Ave.		24.00														
89 22628	Anchor Ave.	50.00															
90 22632	Anchor Ave.		80.00										1				
22619	Anchor Ave (Hump)																
91 22619	Anchor Ave.		32.00														
92 22608	Anchor Ave.	50.00															
93 22533	Anchor Ave.		48.00														
94 22529	Anchor Ave.		48.00										1				
22523	Anchor Ave (Hump)																
95 22513	Anchor Ave.		48.00														
96 22509	Anchor Ave.		32.00														
98 22433	Anchor Ave.		32.00	98.00													
22422	Anchor Ave (Hump)	50.00											1				
99 22423	Anchor Ave.	50.00		98.00													
100 22419	Anchor Ave.	40.00	80.00	98.00													
101 22408	Anchor Ave	50.00											1				
22408	Anchor Ave (Hump)																
102 22402	Anchor Ave.		64.00				1										
103 22432	Anchor Ave.		32.00														

CONCRETE QTY'S ESTIMATE

LOCATION LIST - 5

June 12, 2012
Printed 7/10/2012

Annual Concrete Replacement Program Project No. 1289

CITY OF CARSON

- FY 2011 / 12

ADDRESS		CONCRETE REPLACEMENT ESTIMATED QUANTITIES										PAVEMENT INVENTORY					
	Street No.	Street Name	CURB & GUTTER (L.F.)	SIDEWALK (S.F.)	DWY APPR. (S.F.)	ACCESS RAMP (EA)	CROSS GUTTER (S.F.)	TREE REMOVAL (EA)	LOCAL R&R (S.F.)	COLD MILL F.W/H.C. (S.F.)	OVERLAY AREA (S.F.)	Manhole Cover (Each)	Valve, Cover (Each)	Speed Hump (EA)	LOOP Defectors (EA)		
104	568	E. 224th St. (Anchor Side), 50%	20.00		49.00												
105	569	E. 224th St. (Anchor Side)		32.00	98.00												
106	22318	Anchor Ave.	50.00														
107	22302	Anchor Ave.	20.00	32.00													
	Surface	Anchor Ave., 231st St. to 228th Street										5	1				
108	corner	E. 223rd St. & Anchor Ave.				1											
	N/E																
109	corner	E. 223rd St. & Anchor Ave.				1											
110	552	E. 223rd St.		32.00													
111	538	E. 223rd St.			98.00												
112	522	E. 223rd St.			98.00												
113	508	E. 223rd St.			98.00												
	Surface	E. 223rd St., Catskill Ave. to Anchor Ave.										6	0		10		
114	Loops	E. 223rd St. & Grace Ave.															
	N/W																
115	corner	E. 223rd St. & Grace Ave.				1											
	N/E																
116	corner	E. 223rd St. & Grace Ave.				1											
	428	E. 223rd Street (Hump)												1			
117	412	E. 223rd St.		64.00													
	360	E. 223rd Street (Hump)												1			
118	246	E. 223rd St.			112.00												
119	330	E. 223rd St.			98.00												
	N/E	E. 223rd St. & Catskill Ave. (T. Dome Panel only)				1											
120	Corner	Catskill Ave. S/O E. 223rd St. (T. Dome Panel only)				1											
121	Mid block/E																
	S/E																
122	corner	Island Ave. & Fries Ave.				1											
	N/E																
123	corner	Island Ave. & Fries Ave.				1											
124	22628	to 22708 Fries Ave.	200.00														
125	22745	Fries Ave. on Island side	50.00														

CONCRETE QTY'S ESTIMATE

LOCATION LIST - 6

June 12, 2012
Printed 7/10/2012

Annual Concrete Replacement Program Project No. 1289

CITY OF CARSON

- FY 2011 / 12

ADDRESS		CURB & GUTTER (L.F.)	SIDEWALK (S.F.)	DWY APPR. (S.F.)	ACCESS RAMP (EA)	CROSS GUTTER (S.F.)	TREE REMOVAL (EA)	LOCAL R&R (S.F.)	COLD MILL F.W./H.C. (S.F.)	OVERLAY AREA (S.F.)	Manhole Cover (Each)	Valve, Cover (Each)	Speed Hump (EA)	LOOP Detectors (EA)	
Street No.	Street Name														
CONCRETE REPLACEMENT ESTIMATED QUANTITIES															
126	22630	to 22632 Fries Ave.	75.00												
127	22702	Fries Ave.	40.00												
128	22708	Fries Ave.	40.00												
129	22622	Fries Ave.	30.00	32.00	98.00										
130	22623	Fries Ave.			98.00										
131	22612	Fries Ave.	30.00												
132	22608	Fries Ave.	30.00												
134	22609	Fries Ave.		32.00	98.00										
135	22523	Fries Ave.	40.00												
136	22519	Fries Ave.	40.00												
137	22518	Fries Ave.	30.00												
138	22512	Fries Ave.	30.00	32.00											
140	22508	Fries Ave.			98.00										
144	22502	Fries Ave.	30.00	32.00											
145	22429	Fries Ave.	30.00												
146	22428	Fries Ave.	50.00												
147	22432	Fries Ave.	50.00												
148	22418	Fries Ave.			98.00										
149	22419	Fries Ave.			49.00										
150	22413	Fries Ave.		32.00											
151	22412	Fries Ave.	40.00	32.00											
	Surface	224th St., Catskill Ave. to Anchor Ave.									9	0			
	Surface	Fries Ave. 224th St. to Island Ave.									4	0			
152	S/E corner	E. 224th St. & Fries Ave.				1									
153	S/W corner	E. 224th St. & Fries Ave.					1								
154	S/E corner	E. 224th St. & Island Ave.													

PAVEMENT INVENTORY

CONCRETE QTY'S ESTIMATE

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Street No.	Street Name	CURB & GUTTER (L.F.)	SIDEWALK (S.F.)	DWY APPR. (S.F.)	ACCESS RAMP (EA)	CROSS GUTTER (S.F.)	TREE REMOVAL (EA)	LOCAL R&R (S.F.)	COLD MILL F.W./H.C. (S.F.)	OVERLAY AREA (S.F.)	Manhole Cover (Each)	Valve, Cover (Each)	Speed Hump (EA)	LOOP Detectors (EA)		
155 SW corner	E. 224th St. & Island Ave.				1											
22418	Island Ave (Hump)												1			
156 22428	Island Ave.		32.00													
157 22513	Island Ave.			98.00												
22512	Island Ave (Hump)												1			
158 22519	Island Ave.	50.00														
159 22523	Island Ave.			98.00												
160 22533	Island Ave.		16.00	49.00												
22512	Island Ave (Hump)												1			
162 22622	Island Ave.		16.00													
163 22703	Island Ave.		32.00	112.00												
164 22702	Island Ave.	50.00	16.00													
22702	Island Ave (Hump)												1			
165 22709	Island Ave.	50.00														
Surface SW	Island Ave. 224th St., to 228th St.										5	0				
166 corner NW	E. 224th St. & Anchor Ave.				1											
167 corner	E. 224th St. & Anchor Ave.				1											
169 548	E. 224th Street	50.00		98.00												
171 538	E. 224th Street		32.00													
172 533 SW	E. 224th Street	50.00	32.00													
174 corner S/E	E. 224th St. & Island Ave.				1											
175 corner S/E	E. 224th St. & Island Ave.				1											
176 corner SW	E. 224th St. & Grace Ave.				1											
177 corner N/E	E. 224th St. & Grace Ave.				1											
178 corner	E. 224th St. & Grace Ave.				1											
179 NW corner	E. 224th St. & Grace Ave.				1											
181 433	E. 224th Street		32.00													
182 439	E. 224th Street		32.00	98.00												

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Street No.	House No.	Street Name	CURB & GUTTER (L.F.)	SIDEWALK (S.F.)	DWY APPR. (S.F.)	ACCESS RAMP (EA)	CROSS GUTTER (S.F.)	TREE REMOVAL (EA)	LOCAL R&R (S.F.)	COLD MILL F.W./H.C. (S.F.)	OVERLAY AREA (S.F.)	Manhole Cover (Each)	Valve, Cover (Each)	Speed Hump (EA)	LOOP Detectors (EA)			
183	429	E. 224th Street		32.00														
184	S/E corner	E. 224th St. & Ravenna Ave.				1												
185	SW corner	E. 224th St. & Ravenna Ave.					1											
187	419	E. 224th Street		32.00														
188	413	E. 224th Street		32.00														
189	377 SW	E. 224th Street	30.00	48.00				1										
191	S/E corner	E. 224th St. & Neptune Ave.				1												
192	SW corner	E. 224th St. & Neptune Ave.					1											
194	370	E. 224th Street	50.00	32.00				1										
196	361 SW	E. 224th Street	30.00	32.00				1										
197	S/E corner	E. 224th St. & Marbella Ave.				1												
198	S/E corner	E. 224th St. & Marbella Ave. (T. Dome Panel only)				1												
199	347	E. 224th Street		48.00														
200	344	E. 224th Street		32.00														
201	340	E. 224th Street		32.00														
202	337	E. 224th Street		48.00														
203	331 N/E	E. 224th Street		64.00														
204	SW corner	E. 224th St. & Catskill Ave.				1												
205	S/E corner	E. 224th St. & Catskill Ave.					1											
206	328	E. 224th Street		48.00														
207	442	E. 224th Street, Grace Side		48.00				1										
	22422	Grace Ave (Hump)												1				
208	22500	Grace Street		32.00														
209	22509	Grace Street		32.00														
	22518	Grace Ave (Hump)												1				
210	22528	Grace Street		48.00														
211	22603	Grace Street	50.00		112.00													

CONCRETE QTY'S ESTIMATE

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ADDRESS	CONCRETE REPLACEMENT ESTIMATED QUANTITIES															PAVEMENT INVENTORY				
	Street No.	Street Name	CURB & GUTTER (L.F.)	SIDEWALK (S.F.)	DWY APPR. ACCESS (S.F.)	ACCESS RAMP (EA)	CROSS GUTTER (S.F.)	TREE REMOVAL (EA)	LOCAL R&R (S.F.)	COLD MILL F.W./H.C. (S.F.)	OVERLAY AREA (S.F.)	Manhole Cover (Each)	Valve, Cover (Each)	Speed Hump (EA)	LOOP Detectors (EA)					
	22618	Grace Ave (Hump)												1						
212	22619	Grace Street		32.00																
213	22713	Grace Street		32.00										1						
	22718	Grace Ave (Hump)																		
214	22732	Ravenna Ave.	30.00																	
215	22603	Ravenna Ave.		32.00										1						
	22729	Ravenna Ave (Hump)																		
216	22703	Ravenna Ave.		32.00										1						
	22629	Ravenna Ave (Hump)																		
217	22622	Ravenna Ave.		32.00																
218	22603	Ravenna Ave.	50.00	64.00																
219	22529	Ravenna Ave.		48.00										1						
	22523	Ravenna Ave (Hump)																		
220	22428	Ravenna Ave.		32.00										1						
	22419	Ravenna Ave (Hump)																		
		Ravenna Ave. from E. 224th St. to E.228th St.										4	0							
	Surface																			
221	22412	Ravenna Ave.		32.00																
222	370	E. 224th Street (Neptune Ave. Side)		48.00																
223	22513	Neptune Ave.	50.00	48.00	98.00															
224	22521	Neptune Ave.	40.00	48.00	98.00															
225	22528	Neptune Ave.	50.00																	
226	22602	Neptune Ave.	50.00		98.00															
227	22623	Neptune Ave.	40.00																	
228	22628	Neptune Ave.	40.00																	
229	22702	Neptune Ave.	40.00																	
230	22709	Neptune Ave.		32.00																
231	22732	Neptune Ave.	50.00	32.00				1												
232	22722	to 22728 Marbella Ave.	100.00					2												
233	22612	Neptune Ave.		48.00																

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Signal No.	CONCRETE REPLACEMENT ESTIMATED QUANTITIES														PAVEMENT INVENTORY				
234	22532	Nephtune Ave.		80.00															
235	22732	Marbella Ave.		32.00															
236	22728	Marbella Ave.		32.00															
237	22722	Marbella Ave.		32.00															
238	22532	Marbella Ave.		32.00			1												
239	22523	Marbella Ave.		32.00			1												
240	22722	Marbella Ave.		32.00			1												
241	22702	Marbella Ave.		32.00			1												
242	22612	Marbella Ave.		32.00															
243	22532	Marbella Ave.		32.00															
244	344	E. 224th St. on Marbella Ave. Neptune Ave. from 224th St. To 228th St.		64.00							4	0							
		Surface																	
245	329	E. 228th St. on Marbella Ave.	40.00		126.00								1						
	22428	Catskill Ave (Hump)																	
246	22508	Catskill Ave.	30.00																
247	22508	Catskill Ave.	30.00																
248	22518	Catskill Ave.	20.00										1						
	22523	Catskill Ave (Hump)																	
249	22608	Catskill Ave.	50.00										1						
	22618	Catskill Ave (Hump)																	
250	School	Across St. from 22618 Catskill		160.00									1						
	22712	Catskill Ave (Hump)																	
251	22718	Catskill Ave.		32.00															
252	22722	Catskill Ave.		32.00			1												
	Surface	Catskill Ave. from 224th St. To 228th St.									9	7							
253	22732	Catskill Ave.		48.00															
254	362	to 336 of E. 228th street	200.00																
	N/S	From Encina Ave. to Dolores	200.00																
	2258th																		

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	Street No	Street Name	CURB & GUTTER (L.F.)	SIDEWALK (S.F.)	DWY APPR. (S.F.)	ACCESS RAMP (EA)	CROSS GUTTER (S.F.)	TREE REMOVAL (EA)	LOCAL R&R (S.F.)	COLD MILL F.W./H.C. (S.F.)	OVERLAY AREA (S.F.)	Manhole Cover (Each)	Valve Cover (Each)	Speed Hump (EA)	LOOP Detectors (EA)		
256	138	to 218 of E. 228th Street	100.00														
257	NW corner	Anchor Ave. & 229th St.				1											
258	SW corner	Anchor Ave. & 229th St.				1											
	438	E. 229th Street (Hump)												1			
	410	E. 229th Street (Hump)												1			
259	NW corner	Grace Ave. & 229th St.				1											
	N/E corner	Grace Ave. & 229th St.				1											
260	corner	Grace Ave. & 229th St.				1								1			
	376	E. 229th Street (Hump)															
261	376	E. 229th Street		32.00													
262	342	E. 229th Street	30.00														
	320	E. 229th Street (Hump)												1			
	Surface	229th St. from Anchor Ave. Catskill Ave.										4	1				
263	376	E. 229th street	45.00			1											
264	433	to 437 229th Place	75.00														
265	N/E corner	Catskill Ave. & 229th St.				1											
	S/E corner	Catskill Ave. & 229th St.				1											
266	corner	Catskill Ave. & 229th St.				1											
	N/E corner	Catskill Ave. & 229th P.L.				0											
267	S/E corner	Catskill Ave. & 229th P.L.				0											
268	corner	Catskill Ave. & 229th P.L.				0											
	N/E corner	Catskill Ave. & 230th St.				0											
269	S/E corner	Catskill Ave. & 230th St.				0											
270	corner	Catskill Ave. & 230th St.				0											
	N/E corner	Catskill Ave. & 231th St.				0											
271	S/E corner	Catskill Ave. & 231th St.				0											
272	corner	Catskill Ave. & 231th St.				0											
	376	E. 231th Street (Hump)												1			
	338	E. 231th Street (Hump)												1			
	360	E. 231th Street (Hump)												1			
273	418	E. 231th Street		32.00													
	419	E. 231th Street (Hump)												1			
	437	E. 231th Street (Hump)												1			

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Sheet No.	ADDRESS	CONCRETE REPLACEMENT ESTIMATED QUANTITIES										PAVEMENT INVENTORY				
		Street Name	23th St. from Calehill Ave. to Anchor Ave.	CURB & GUTTER (L.F.)	SIDEWALK (S.F.)	DWY APPR. (S.F.)	ACCESS RAMP (EA)	CROSS GUTTER (S.F.)	TREE REMOVAL (EA)	LOCAL R&R (S.F.)	COLD MILL F.W./H.C. (S.F.)	OVERLAY AREA (S.F.)	Manhole Cover (Each)	Valve, Cover (Each)	Speed Hump (EA)	LOOP Detectors (EA)
274	456	E. 231th Street			48.00								2	6		
275	NW corner	Anchor Ave. & 231th St.					1									
276	SW corner	Anchor Ave. & 231th St.					1						2			
277	Alley	Entrance to from Anchor Ave.						299.00								
278	X Gutter	on 229th Pl. and Anchor Ave.						312.50								
279	X Gutter	on 229th Pl. and Anchor Ave.						144.00							1	
280	22908	Anchor Ave. (Hump)													1	
281	22816	Anchor Ave. (Hump)														
282	340	to 334 E. 229 Place.		50.00												
283	470	E. 229th Place		30.00												
284	373	E. 229th Place		30.00												
285	351	E. 229th Place			32.00								5	0		
286	Surface	229th Pl. from Anchor Ave. to Calehill Ave.														
287	X Gutter	on 230th St. to North Alley						145.00							1	
288	325	230th Street (Hump)														
289	364	E. 230th St.													1	
290	364	230th Street (Hump)													1	
291	436	230th Street (Hump)														
292	437	E. 230th St.			32.00											
293	453	E. 230th St.			48.00											
294	453	E. 230th St.		30.00												
295	X Gutter	Panama Ave. To WIS Alley						322.00								
296	W/S	Panama Ave. from 234th to 236th St.			32.00											
297	E/S	Panama Ave. from 234th to 236th St.			48.00											
298	E/S	Panama Ave. from 234th to 236th St.		30.00	30.00											
299	NW corner	Panama Ave. & 234th St.					1									
300	N/E	Panama Ave. & 234th St.					1									

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Street No.	Street Name	ADDRESS	CURB & GUTTER (L.F.)	SIDEWALK (S.F.)	DWY APPR. (S.F.)	ACCESS RAMP (EA)	CROSS GUTTER (S.F.)	TREE REMOVAL (EA)	LOCAL R&R (S.F.)	COLD MILL F.W./H.C. (S.F.)	OVERLAY AREA (S.F.)	Manhole Cover (Each)	Valve, Cover (Each)	Speed Hump (EA)	LOOP Detectors (EA)
CONCRETE REPLACEMENT ESTIMATED QUANTITIES															
296	SW corner	Panama Ave. & 234th St.				1									
297	S/E corner	Panama Ave. & 234th St.				1									
298	E/S	Panama Ave. from 234th to 236th St.		32.00											
299	E/S	Panama Ave. from 234th to 236th St.	30.00					1							
300	E/S	Panama Ave. from 236th to 237th St.	30.00					1							
301	23619 NW	Panama Ave.		32.00											
302	corner	Panama Ave. & 237th St.				1									
303	corner	Panama Ave. & 237th St.				1									
304	corner	Panama Ave. & 237th St.				1									
305	corner	Panama Ave. & 237th St.				1									
306	23619	Panama Ave.		32.00											
307	23619	Panama Ave.		32.00											
308	23707	Panama Ave.	30.00												
309	23719	Panama Ave.		32.00											
310	403 NW	E. 238th Street (Panama Slide)	50.00												
311	corner	Panama Ave. & 238th St.				1									
312	corner	Panama Ave. & 238th St.				1									
313	corner	Panama Ave. & 238th St.				1									
314	corner	Panama Ave. & 238th St.				1									
315	corner	Panama Ave. & Sepulveda Ave				1									
316	corner	Panama Ave. & Sepulveda Ave				1									
317	Loops	Panama Ave. & Sepulveda Blvd.										15	10		2
318	BERM	Panama Ave. from 231st St. to Sepulveda Blvd.													
319	612	W. 228th St. From 2734 To Figueroa Ave.													
		E. 226th Pl.	30.00		130.00										
		TOTAL QTY'S	1,165.00	4,092.00	3,695.50	102	4,070.50	22				193	48	37	22

CONCRETE QTY'S ESTIMATE

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