



DALZIEL BUILDING . 250 FRANK H. OGAWA PLAZA .

SUITE 4344 .

OAKLAND . CALIFORNIA . 94612

Public Works Agency Transportation Services Division TEL: (510) 238-3466 FAX: (510) 238-6412

Bicycle and Pedestrian Advisory Committee, Monthly Meeting Thursday, July 15, 2010, 5:30-7:30 p.m. Oakland City Hall, Hearing Room 4, Second Floor

## **AGENDA**

Time	Item #	Topic	
5:30	1	Introductions, Appointment of Note Taker (5 minutes)	Ad
5:35	2	Approval of Meeting Minutes (consent item) (5 minutes) Vote on motion to adopt June meeting minutes.	А
5:40	3	San Pablo Ave Bikeway Design Review Attachment (30 minutes)— Staff will share the design for a new arterial bike route on San Pablo Ave, 16 <sup>th</sup> St-32 <sup>nd</sup> St (a project that is pending construction by the end of 2010 as part of a stimulus-funded paving contract), and take comments from the committee.	
6:10	4	<b>Bicycle-Detector Symbol Guidance</b> <u>Link</u> (20 minutes)—Staff will describe recently-adopted guidance for installing the bike detector symbol pavement marking at traffic signal approaches that have been configured to respond to the presence of a bicyclist.	
6:30	5	<b>Broadway Shuttle Update</b> (20 minutes)—Zach Seal, Project Manager in the City's Economic Development Division, will give an update on funding and implementation of the free Broadway Shuttle.	
6:50	6	Oakland Street Car Plan (30 minutes)—Daniel Jacobson, Stanford University undergraduate and author of OaklandStreetcarPlan.com, will give a presentation on his proposed downtown Oakland streetcar line and take questions from BPAC members about transit investments downtown.	ı
7:20	7	Announcements, suggestions for next meeting topics (10 minutes)	А

<sup>\*</sup> Topic Types:

I=informational; A=action item; Ad=administrative





QUANTITY ESTIMATE						
	Description	Qty	Unit	Bid Item		
9	DETAIL 9	2113	LF	4' Stripe w/ RPM		
10	DETAIL 10	-	LF	Detail 10		
21	DETAIL 21	350	LF	Double 4' Stripe		
22	DETAIL 22	•	LF	Double 4' Stripe w/ RPM		
23	DETAIL 23	•	LF	Detail 23		
25A)	DETAIL 25A	1780	LF	4' Stripe w/ RPM		
26	DETAIL 26		LF	Detail 26		

QUANTITY ESTIMATE					
	Description	Qty	Unit	Bid Item	
27B)	DETAIL 27B	615	LF	4' Stripe	
(28)	DETAIL 28	-	LF	Double 4' Stripe	
29	DETAIL 29	-	LF	Double 4" Stripe w/ RPM	
(31)	DETAIL 31	-	LF	Double 4' Stripe	
(32)	DETAIL 32	-	LF	Double 4" Stripe w/ RPM	
(37)	DETAIL 37	-	LF	8' Stripe w/RPM	
(37B)	DETAIL 37B	-	LF	8' Stripe w/ RPM	

	QUANTITY ESTIMATE				
	Description	Qty	Unit	Bid Item	
(38)	DETAIL 38	298	LF	8' Stripe w/RPM	
(39)	DETAIL 39	-	LF	6' Stripe	
(39A)	DETAIL 39A	-	LF	6' Stripe	
40A)	DETAIL 40A	-	LF	Type A Markers	
(41A)	DETAIL 41A	-	LF	Type A Markers	
(IV)	PM TYPE IV ARROW	135	SF	Pavement Markings	
$\overline{\text{(IV)}}$	PM TYPE VI ARROW	-	SF	Pavement Markings	

REFERENCE

QUANTITY ESTIMATE					
	Description	Qty	Unit	Bid Item	
(VII)	PM TYPE VII ARROW	-	SF	Pavement Markings	
FM	FH MARKERS	2	EA	Fire Hydrant Markers	
	LIMIT LINE	182	SF	Pavement Markings	
$\bigcirc$	WHITE CROSSWALK	695	SF	Pavement Markings	
Y	YELLOW CROSSWALK	1 <i>6</i> 0	SF	Pavement Markings	
	PM SYMBOLS	674	SF	Pavement Markings	
	SHOULDER STRIPE	·	LF	4 Stripe	

## PLANS FOR THE VARIOUS STREETS AND ROADS PREVENTIVE MAINTENANCE

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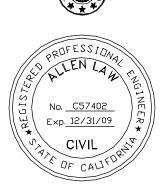
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	DESIGNED BY	JIMMY MACH			
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STRIPING PLAN	OE.
STRIPING PLAN AN PABLO AVE • 16TH STREET TO 36TH STREET	ЭГ

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36 OF 41



SUPERVISING CIVIL ENGINEER

QUANTITY ESTIMATE					
	Description	Qty	Unit	Bid Item	
9	DETAIL 9	1679	LF	4' Stripe w/ RPM	
10	DETAIL 10	•	LF	Detail 10	
21	DETAIL 21	250	LF	Double 4' Stripe	
22	DETAIL 22	•	LF	Double 4' Stripe w/ RPM	
23)	DETAIL 23	-	LF	Detail 23	
25A)	DETAIL 25A	1558	LF	4' Stripe w/ RPM	
26	DETAIL 26	-	LF	Detail 26	

QUANTITY ESTIMATE				
	Description	Qty	Unit	Bid Item
27B	DETAIL 27B	1069	LF	4' Stripe
28)	DETAIL 28	-	LF	Double 4' Stripe
29	DETAIL 29	-	LF	Double 4' Stripe v/ RPM
(31)	DETAIL 31	-	LF	Double 4' Stripe
(32)	DETAIL 32	370	LF	Double 4" Stripe w/ RPM
(37)	DETAIL 37	-	LF	8' Stripe w/ RPM
(37B)	DETAIL 37B	50	LF	8' Stripe w/ RPM

	Description	Qty	Unit	Bid Item
(38)	DETAIL 38	474	LF	8' Stripe w/RPM
(39)	DETAIL 39	-	LF	6' Stripe
(39A)	DETAIL 39A	-	LF	6' Stripe
40)	DETAIL 40	238	LF	4' Stripe
40A)	DETAIL 40A	-	LF	Type A Markers
(IV)	PM TYPE IV ARROW	195	SF	Pavement Markings
(V)	PM TYPE VI ARROW	-	SF	Pavement Markings

QUANTITY ESTIMATE							
	Description	Qty	Unit	Bid Item			
VII	PM TYPE VII ARROW	•	SF	Pavement Markings			
FM	FH MARKERS	3	EA	Fire Hydrant Markers			
(LL)	LIMIT LINE	129	SF	Pavement Markings			
W	WHITE CROSSWALK	1016	SF	Pavement Markings			
Y	YELLOW CROSSWALK	-	SF	Pavement Markings			
	PM SYMBOLS	110	SF	Pavement Markings			
	SHOULDER STRIPE	=	LF	4' Stripe			

PLANS FOR THE VARIOUS STREETS AND ROADS PREVENTIVE MAINTENANCE



CITY OF OAKLAND	ı
DEPARTMENT OF ENGINEERING AND CONSTRUCTION SERVICES	3
, 250 FRANK OGAWA PLAZA, SUITE 4314 * CAKLAND, CA9/6/2 (510) 238-3437 * FAX (510) 238-7227	
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STRIPING PLAN N PABLO AVE - 16TH STREET TO 36TH STREET

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QUANTITY ESTIMATE								
	Description	Qty	Unit	Bid Hem				
9	DETAIL 9	1696	LF	4' Stripe w/ RPM				
10	DETAIL 10	-	LF	Detail 10				
21	DETAIL 21	250	LF	Double 4' Stripe				
(22)	DETAIL 22	-	LF	Double 4' Stripe w/ RPM				
23)	DETAIL 23	-	LF	Detail 23				
25A)	DETAIL 25A	1520	LF	4' Stripe w/ RPM				
(26)	DETAIL 26	-	LF	Detail 26				

QUANTITY ESTIMATE						
Description	Qty	Unit	Bid Hem			
DETAIL 27B	1205	LF	4' Stripe			
DETAIL 28	-	LF	Double 4' Stripe			
DETAIL 29	-	LF	Double 4' Stripe w/ RPM			
DETAIL 31	-	LF	Double 4' Stripe			
DETAIL 32	-	LF	Double 4' Stripe w/ RPM			
DETAIL 37	-	LF	8' Stripe w/ RPM			
DETAIL 37B	-	LF	8' Stripe w/ RPM			
	Description  DETAIL 27B  DETAIL 28  DETAIL 29  DETAIL 31  DETAIL 32  DETAIL 37	Description         Qty           DETAIL 27B         1205           DETAIL 28         -           DETAIL 29         -           DETAIL 31         -           DETAIL 32         -           DETAIL 37         -	Description         Qty         Unit           DETAIL 27B         1205         LF           DETAIL 28         -         LF           DETAIL 29         -         LF           DETAIL 31         -         LF           DETAIL 32         -         LF           DETAIL 37         -         LF			

	QUANTITY ESTIMATE							
	Description	Qty	Unit	Bid Item				
38)	DETAIL 38	125	LF	8' Stripe w/RPM				
(39)	DETAIL 39	-	LF	6' Stripe				
(39A)	DETAIL 39A	-	LF	6' Stripe				
40A)	DETAIL 40A	304	LF	Type A Markers				
	PM TYPE I ARROW	-	SF	Pavement Markings				
(IV)	PM TYPE IV ARROW	135	SF	Pavement Markings				
(VI)	PM TYPE VI ARROW	-	SF	Pavement Markings				

QUANTITY ESTIMATE						
	Description	Qty	Unit	Bid Item		
VII	PM TYPE VII ARROW	-	SF	Pavement Markings		
FM	FH MARKERS	4	EA	Fire Hydrant Markers		
(LL)	LIMIT LINE	113	SF	Pavement Markings		
W	WHITE CROSSWALK	482	SF	Pavement Markings		
Y	YELLOW CROSSWALK	570	SF	Pavement Markings		
	PM SYMBOLS	280	SF	Pavement Markings		
	SHOULDER STRIPE	-	LF	4' Stripe		

PLANS FOR THE VARIOUS STREETS AND ROADS PREVENTIVE MAINTENANCE



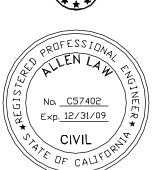
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	DESIGNED BY	JIMMY MACH					
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STRIPING PLAN N PABLO AVE - 16TH STREET TO 36TH STREET

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SUPERVISING CIVIL ENGINEER

QUANTITY ESTIMATE							
	Description	Qty	Unit	Bid Item			
9	DETAIL 9	2076	LF	4' Stripe w/ RPM			
10	DETAIL 10	-	LF	Detail 10			
21	DETAIL 21	100	LF	Double 4' Stripe			
22	DETAIL 22	230	LF	Double 4' Stripe w/ RPM			
23)	DETAIL 23	-	LF	Detail 23			
25A)	DETAIL 25A	1428	LF	4' Stripe w/ RPM			
26	DETAIL 26	-	LF	Detail 26			

QUANTITY ESTIMATE							
Description	Qty	Unit	Bid Hem				
DETAIL 27B	1617	LF	4' Stripe				
DETAIL 28	-	LF	Double 4' Stripe				
DETAIL 29	-	LF	Double 4' Stripe w/ RPM				
DETAIL 31	-	LF	Double 4' Stripe				
DETAIL 32	-	LF	Double 4' Stripe w/ RPM				
DETAIL 37	-	LF	8' Stripe w/ RPM				
DETAIL 37B	-	LF	8' Stripe w/ RPM				
	Description  DETAIL 27B  DETAIL 28  DETAIL 29  DETAIL 31  DETAIL 32  DETAIL 37	Description         Qty           DETAIL 27B         1617           DETAIL 28         -           DETAIL 29         -           DETAIL 31         -           DETAIL 32         -           DETAIL 37         -	Description         Qty         Unit           DETAIL 27B         1617         LF           DETAIL 28         -         LF           DETAIL 29         -         LF           DETAIL 31         -         LF           DETAIL 32         -         LF           DETAIL 37         -         LF				

QUANTITY ESTIMATE						
	Description	Qty	Unit	Bid Item		
(38)	DETAIL 38	453	LF	8' Stripe w/RPM		
(39)	DETAIL 39	-	LF	6' Stripe		
(39A)	DETAIL 39A	-	LF	6' Stripe		
40A)	DETAIL 40A	-	LF	Type A Markers		
$\overline{(1)}$	PM TYPE I ARROW	-	SF	Pavement Markings		
(IV)	PM TYPE IV ARROW	150	SF	Pavement Markings		
(VI)	PM TYPE VI ARROW	-	SF	Pavement Markings		

	QUANTITY ESTIMATE						
	Description	Qty	Unit	Bid Item			
VII	PM TYPE VII ARROW	-	SF	Pavement Markings			
FM	FH MARKERS	1	EA	Fire Hydrant Markers			
(LL)	LIMIT LINE	-	SF	Pavement Markings			
W	WHITE CROSSWALK	1518	SF	Pavement Markings			
Ŷ	YELLOW CROSSWALK	-	SF	Pavement Markings			
	PM SYMBOLS	266	SF	Pavement Markings			
	SHOULDER STRIPE	-	LF	4 'Stripe			

PLANS FOR THE VARIOUS STREETS AND ROADS
PREVENTIVE MAINTENANCE



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QUANTITY ESTIMATE						
	Description	Qty	Unit	Bid Item		
9	DETAIL 9	1625	LF	4' Stripe w/ RPM		
10	DETAIL 10	-	LF	Detail 10		
21)	DETAIL 21	18	LF	Double 4' Stripe		
22	DETAIL 22	126	LF	Double 4' Stripe w/ RPM		
23)	DETAIL 23	-	LF	Detail 23		
25A)	DETAIL 25A	1612	LF	4' Stripe w/ RPM		
(26)	DETAIL 26	-	LF	Detail 26		

QUANTITY ESTIMATE					
Description	Qty	Unit	Bid Item		
DETAIL 27B	1028	LF	4' Stripe		
DETAIL 28	-	LF	Double 4' Stripe		
DETAIL 29	-	LF	Double 4' Stripe w/ RPM		
DETAIL 31	-	LF	Double 4' Stripe		
DETAIL 32	-	LF	Double 4' Stripe w/ RPM		
DETAIL 37	-	LF	8' Stripe w/ RPM		
DETAIL 37B	90	LF	8' Stripe w/ RPM		
	DETAIL 27B  DETAIL 28  DETAIL 29  DETAIL 31  DETAIL 32  DETAIL 37	DETAIL 278 1028  DETAIL 28 -  DETAIL 29 -  DETAIL 31 -  DETAIL 32 -  DETAIL 37 -	DETAIL 27B 1028 LF  DETAIL 28 - LF  DETAIL 29 - LF  DETAIL 31 - LF  DETAIL 32 - LF  DETAIL 37 - LF		

	Description	Qty	Unit	Bid Item
(38)	DETAIL 38	274	LF	8' Stripe vv/RPM
(39)	DETAIL 39	-	LF	6'Stripe
(39A)	DETAIL 39A	-	LF	6'Stripe
40	DETAIL 40	468	LF	4' Stripe
<b>(41)</b>	DETAIL 41	195	LF	4' Stripe
(IV)	PM TYPE IV ARROW	75	SF	Pavement Markings
(VI)	PM TYPE VI ARROW	-	SF	Pavement Markings

QUANTITY ESTIMATE						
	Description	Qty	Unit	Bid Item		
VII	PM TYPE VII ARROW	-	SF	Pavement Markings		
FM	FH MARKERS	4	EA	Fire Hydrant Markers		
(LL)	LIMIT LINE	143	SF	Pavement Markings		
W	WHITE CROSSWALK	1104	SF	Pavement Markings		
Y	YELLOW CROSSWALK	703	SF	Pavement Markings		
	PM SYMBOLS	190	SF	Pavement Markings		
	SHOULDER STRIPE	92	LF	4' Stripe		

PLANS FOR THE VARIOUS STREETS AND ROADS PREVENTIVE MAINTENANCE

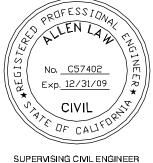


CITY OF OAKLAND EPARTMENT OF ENGINEERING AND CONSTRUCTION SERVICE PROJECT NO. \_\_\_\_C388010\_ FEDERAL PROJECT NO. ESPL-5012(101)

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:	CHECKED BY	TAWHIC HALABY					SAN
	DESIGNED BY	JIMMY MACH					
	DRAWN BY	JIMMY MACH					

STRIPING PLAN AN PABLO AVE - 16TH STREET TO 36TH STREET SP-06

SCALE: = 40 VERT. DATE: OCT 21,2009 SHEET NO. 40 <sub>OF</sub> 41



QUANTITY ESTIMATE						
Description	Qty	Unit	Bid Item			
DETAIL 9	217	LF	4' Stripe w/ RPM			
DETAIL 10	-	LF	Detail 10			
DETAIL 21	50	LF	Double 4' Stripe			
DETAIL 22	179	LF	Double 4' Stripe w/ RPM			
DETAIL 23	-	LF	Detail 23			
DETAIL 25A	817	LF	4' Stripe w/ RPM			
DETAIL 26	-	LF	Detail 26			
	Description  DETAIL 9  DETAIL 10  DETAIL 21  DETAIL 22  DETAIL 23  DETAIL 25A	Description         Qty           DETAIL 9         217           DETAIL 10         -           DETAIL 21         50           DETAIL 22         179           DETAIL 23         -           DETAIL 25A         817	Description         Qty         Unit           DETAIL 9         217         LF           DETAIL 10         -         LF           DETAIL 21         50         LF           DETAIL 22         179         LF           DETAIL 23         -         LF           DETAIL 25A         817         LF			

QUANTITY ESTIMATE				
	Description	Qty	Unit	Bid Item
27B)	DETAIL 27B	551	LF	4" Stripe
28)	DETAIL 28	-	LF	Double 4' Stripe
29	DETAIL 29	-	LF	Double 4' Stripe w/ RPM
(31)	DETAIL 31	-	LF	Double 4' Stripe
(32)	DETAIL 32	-	LF	Double 4' Stripe w/ RPM
(37)	DETAIL 37	-	LF	8' Stripe w/RPM
(37B)	DETAIL 37B	82	LF	8' Stripe w/RPM

	Description	Qty	Unit	Bid Item
38)	DETAIL 38	415	LF	8' Stripe w/RPM
(39)	DETAIL 39	-	LF	6' Stripe
(39A)	DETAIL 39A	-	LF	6' Stripe
40A)	DETAIL 40A	345	LF	Type A Markers
$\overline{\bigcirc}$	PM TYPE I ARROW	-	SF	Pavement Markings
(IV)	PM TYPE IV ARROW	135	SF	Pavement Markings
(VI)	PM TYPE VI ARROW	-	SF	Pavement Markings

REFERENCE

QUANTITY ESTIMATE						
	Description	Qty	Unit	Bid Item		
VII	PM TYPE VII ARROW	27	SF	Pavement Markings		
FM	FH MARKERS	4	EA	Fire Hydrant Markers		
(LL)	LIMIT LINE	55	SF	Pavement Markings		
W	WHITE CROSSWALK	-	SF	Pavement Markings		
Y	YELLOW CROSSWALK	1404	SF	Pavement Markings		
	PM SYMBOLS	356	SF	Pavement Markings		
	SHOULDER STRIPE	1472	LF	4' Stripe		

PLANS FOR THE VARIOUS STREETS AND ROADS PREVENTIVE MAINTENANCE



CITY OF OAKLAND EPARTMENT OF ENGINEERING AND CONSTRUCTION SERVICE: PROJECT NO. \_\_\_C388010\_ FEDERAL PROJECTNO. ESPL-5012(101)

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	DESIGNED BY	JIMMY MACH			
	DRAWN BY	JIMMY MACH			

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STRIPING PLAN SAN PABLO AVE - 16TH STREET TO 36TH STREET

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