

MEMORANDUM

Date: January 17, 2016
To: Peter Chun, City of Oakland
From: Ryan McClain and Teresa Peterson
Subject: Telegraph Avenue Complete Streets Phase 1 – After Implementation Performance Summary

OK15-0049.09

This memorandum summarizes data collected before and after implementation of the first phase of the Telegraph Avenue Complete Streets project. Phase 1 of the project included reduction of vehicle through lanes from two to one in each direction and installation of parking protected bicycle lanes on Telegraph Avenue between 29th Street and 20th Street/Thomas L Berkeley Way in the Koreatown Northgate neighborhood of Oakland. The improvements were implemented as part of roadway resurfacing project and therefore consisted primarily of striping and signing elements. This included green pavement for bicycle lanes and conflict zones, epoxy treatment to define median islands, and vertical delineators at key locations to discourage vehicles from turning into the protected bicycle lanes. Data collected includes pedestrian, bicycle, and vehicle counts, vehicle speeds, and driver yielding rates at crosswalks. Previously, data was collected in the Fall of 2013 for the Telegraph Avenue Complete Streets study and presented in the Existing Conditions Report (CD+A, December 17, 2013)¹. Data was collected again in the Fall of 2016 after implementation of the project.

Average Daily Volume Results

Hourly traffic data was collected for five 24-hour periods at two locations on Telegraph Avenue. The days of data collection for each location are listed below.

¹ The Existing Conditions Report of the Telegraph Avenue Complete Streets Study can be found at <http://www2.oaklandnet.com/oakca1/groups/pwa/documents/report/oak044666.pdf>



- 27th Street and Sycamore Street
 - o Wednesday, September 28th 2016
 - o Thursday, September 29th 2016
 - o Friday, September 30th 2016
 - o Saturday, October 22nd 2016
 - o Sunday, October 9th 2016
- 40th Street and 41st Street
 - o Wednesday, September 28th 2016
 - o Thursday, October 21th 2016
 - o Friday, October 21st 2016
 - o Saturday, October 22nd 2016
 - o Sunday, October 2nd 2016

Table 1 summarizes the data collected for all modes along Telegraph Avenue after implementation of the project.

TABLE 1: 2016 TELEGRAPH VOLUME DATA								
Location	Mode	Daily Volume					Average Volume	
		Wednesday	Thursday	Friday	Saturday	Sunday	Weekday	Weekend
Between 27th Street and Sycamore Street	Bike	1,371	1,279	1,255	1,024	823	1,302	924
	Pedestrians	1,560	1,578	2,041	1,813	1,324	1,726	1,569
	Vehicles	13,268	13,550	14,902	13,247	10,835	13,907	12,041
Between 40th Street and 41st Street	Bike	1,379	1,263	1,235	924	823	1,292	874
	Pedestrians	3,428	3,349	3,497	2,765	2,401	3,425	2,583
	Vehicles	18,033	18,762	19,308	15,971	14,459	18,701	15,215

Source: Fehr & Peers, 2016

Bicycle volumes collected on Telegraph Avenue at 40th Street (outside of the project area) in April 2013 showed an average of 1,203 bicycles on weekdays and 679 bicycles on weekends². When comparing the April 2013 volumes to those shown in **Table 1**, from after implementation of the project, the average daily weekday volumes increased by 7% and the average daily weekend volumes increased by 28% at 40th Street. Daily bicycle volumes were not collected in 2013 within the Phase 1 project area.

² Data from before installation of the project can be found in the Existing Conditions Report of the Telegraph Avenue Complete Streets Study:
<http://www2.oaklandnet.com/oakca1/groups/pwa/documents/report/oak044666.pdf>



Intersection Turning Movement Counts

Intersection peak period turning movement counts for vehicles, bicycles, and pedestrians were collected at each of the signalized intersections along the corridor before and after the Phase 1 project was implemented. Data was collected before the project was implemented³ on Thursday, October 17, 2013 from 7:00 to 9:00 AM and 4:00 to 6:00 PM and again after implementation on Thursday, September 29, 2016 from 7:30 to 9:30 AM and 4:00 to 6:00 PM. Turning movement vehicle counts for the AM and PM peak hours (8:00 to 9:00 AM and 5:00 to 6:00 PM, respectively) are shown on **Figure 1**. Bicycle and pedestrian volumes for the same AM and PM peak hours are shown on **Figure 2**. Vehicle volumes for the major movements on Telegraph Avenue decreased by between 0 and 40 percent in the AM and between 6 and 44 percent in the PM. Bicycle volumes traveling through on Telegraph Avenue increased by between 81 and 186 percent in the southbound direction for the AM peak hour and by between 48 and 190 percent for the northbound direction in the PM peak hour. Pedestrian volumes also increased throughout the corridor, with the highest increase experienced at the south end of the project at 20th street. The total number of pedestrians crossing at the Telegraph Avenue/20th Street intersection increased from 139 to 497 in the AM peak hour and from 150 to 531 in the PM peak hour. The difference in peak hour vehicle, bicycle, and pedestrian intersection volumes for four signalized intersections along the corridor is shown in **Table 2**.

TABLE 2: INTERSECTION PEAK HOUR VOLUME CHANGE BEFORE AND AFTER PROJECT										
Intersection	Peak Hour	Vehicles			Bicycles			Pedestrians		
		2013	2016	% Change	2013	2016	% Change	2013	2016	% Change
Telegraph & 29th	AM	1241	1157	-7%	61	120	97%	28	69	146%
	PM	1648	1419	-14%	100	139	39%	119	106	-11%
Telegraph & 27th	AM	1887	1847	-2%	116	158	36%	68	88	29%
	PM	2495	2423	-3%	128	192	50%	115	149	30%
Telegraph & Grand	AM	2128	2316	9%	59	174	195%	131	143	9%
	PM	2676	2845	6%	101	191	89%	185	314	70%
Telegraph & 20th	AM	1165	1070	-8%	55	158	187%	139	497	258%
	PM	1537	1326	-14%	67	151	125%	150	531	254%

Source: Fehr & Peers, 2016

³ Data from before installation of the project can be found in the Existing Conditions Report of the Telegraph Avenue Complete Streets Study:

<http://www2.oaklandnet.com/oakca1/groups/pwa/documents/report/oak044666.pdf>



Speed Survey Results

Speed data was collected on Telegraph Avenue on July 29, 2014 from 10:00 AM to 11:00 AM and on Thursday, September 29, 2016 from 10:00 AM to 2:00 PM using a calibrated radar speed gun in both the northbound and southbound directions. Speed surveys were conducted at two locations; in the project area between Sycamore Street and 27th Street and north of the project area between 34th Street and 36th Street. The surveys were conducted on a typical weekday to capture average vehicle speeds during off-peak hours while the roadway is in free flow conditions. **Table 3** presents the 85th percentile speed and median speed at the two survey locations. The 85th percentile speed is the speed at which 85 percent of vehicles are traveling less than or equal to.

TABLE 3: SPEED SURVEY RESULTS							
Location	Direction	2014			2016		
		Median Speed	85th Percentile	% Traveling Over Speed Limit	Median Speed	85th Percentile	% Traveling Over Speed Limit
Between Sycamore St and 27th St	Northbound	27	30	64%	25	27	35%
	Southbound	25	29	44%	24	27	32%
Between 34th St and 36th St	Northbound	30	34	83%	29	34	84%
	Southbound	31	35	92%	32	37	87%

Source: Fehr & Peers, 2016

The posted speed limit on Telegraph Avenue in the project area is 25 mph. In the project area (between Sycamore Street and 27th Street), from 2014 to 2016, the percent of vehicles traveling over the 25 mph posted speed limit decreased by 29 percent in the northbound direction and 12 percent in the southbound direction. The 85th percentile speed decreased in the northbound and southbound directions by 3 and 2 mph, respectively. Outside of the project implementation area (between 34th and 36th Street), the percent of vehicles traveling over the speed limit stayed relatively constant.

Pedestrian Yield Rate

Data was collected on the yielding behavior of drivers approaching unsignalized crosswalks when a pedestrian indicated intent to cross the street. For the purposes of this study a pedestrian intending to cross the street was defined as standing at the edge of the curb visibly looking for a gap in cross traffic, stepping off the curb into the parking, travel or bicycle lane, or otherwise entering the marked crosswalk. Pedestrian activity and driver behavior was observed at



uncontrolled crosswalks in the project area before and after the project was implemented. Uncontrolled crosswalks located at 24th Street and 21st Street were observed on Thursday, September 29th, 2016 during the AM and PM peak hours (7:45 AM to 8:45 AM and 5:00 PM to 6:00 PM). On Wednesday, November 6, 2013, the same data was collected at the 24th Street uncontrolled crosswalk only⁴. At each crosswalk observed, the number of cars failing to yield the right-of-way to pedestrians was recorded for each pedestrian crossing event. **Table 4** presents the number of pedestrians observed crossing at each location during the AM and PM peak hours.

TABLE 4: PEDESTRIANS USING THE CROSSWALK DURING THE PEAK HOUR			
Location	Year	Peak Hour Pedestrian Volume	
		AM	PM
24th St	2013	20	30
	2016	35	62
21st St	2016	54	67

Source: Fehr & Peers, 2016

The percentage of vehicles that will yield to a pedestrian is an important metric for understanding driver behavior and pedestrian comfort. This percentage indicates the percentage of drivers that will yield to a pedestrian waiting at the curb to cross a crosswalk or that has entered a crosswalk and started to cross. For example, "20 percent of drivers yielded to pedestrians in the crosswalk." The calculation consists of:

$$\frac{\text{total number of cars that yielded to pedestrians}}{\text{total number of cars that yielded to pedestrians} + \text{total number of cars that did not yield to pedestrians}}$$

The pedestrian yield rates for the two locations on Telegraph Avenue are shown in **Table 5**.

⁴ Data from before installation of the project can be found in the Existing Conditions Report of the Telegraph Avenue Complete Streets Study:
<http://www2.oaklandnet.com/oakca1/groups/pwa/documents/report/oak044666.pdf>



TABLE 5: PEDESTRIAN YIELD RATES			
Location	Year	Pedestrian Yield Rates (Veh Yield/Veh* (Yield+Not Yield))	
		AM	PM
24th St	2013	20%	22%
	2016	40%	67%
21st St	2016	33%	50%

Source: Fehr & Peers, 2016

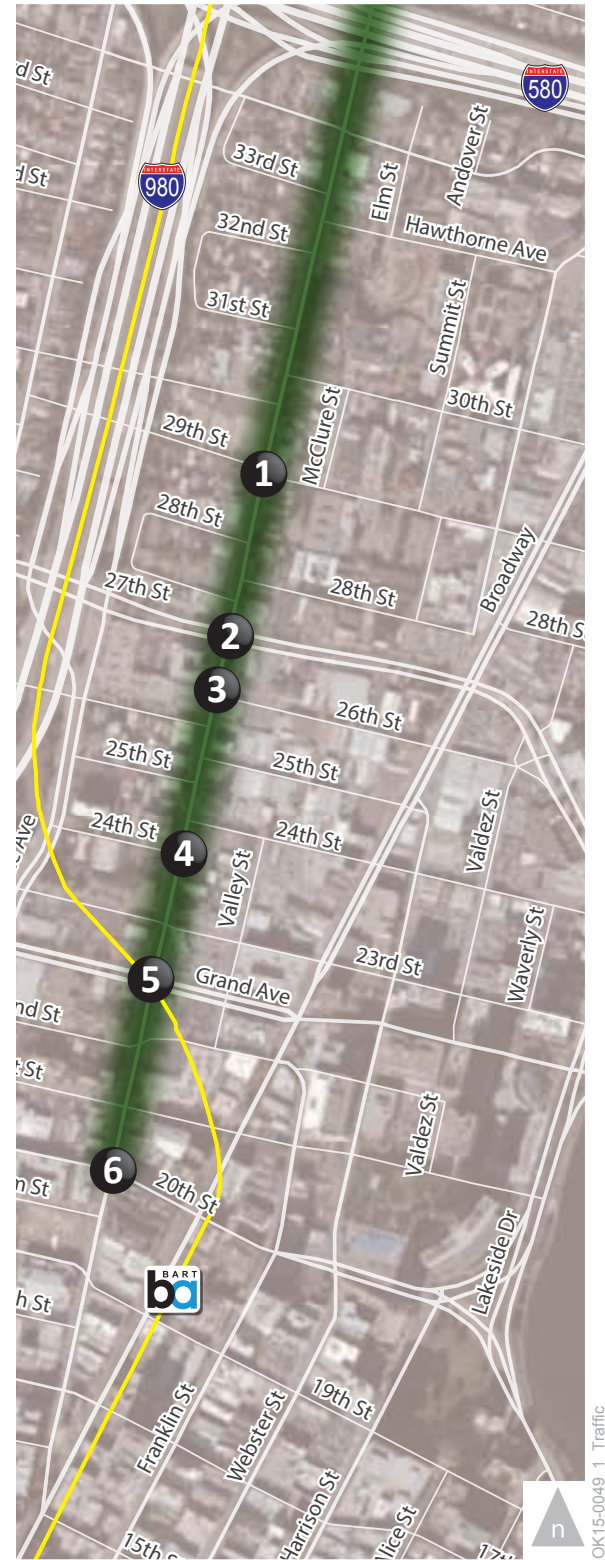
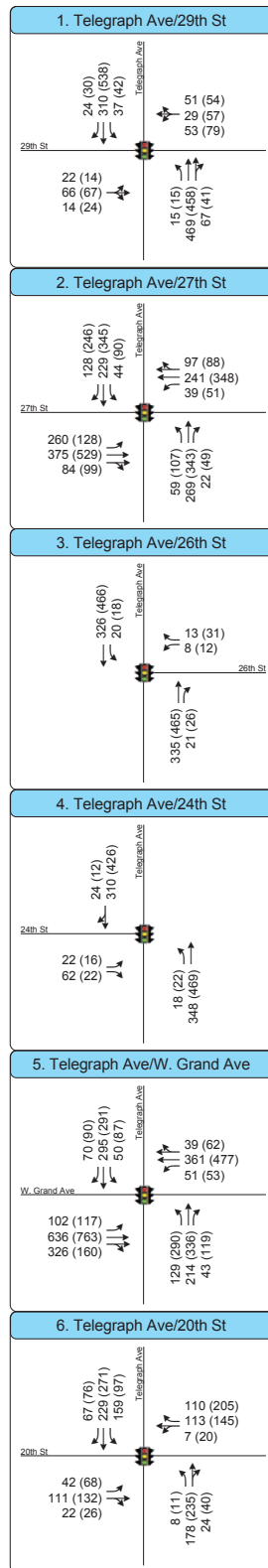
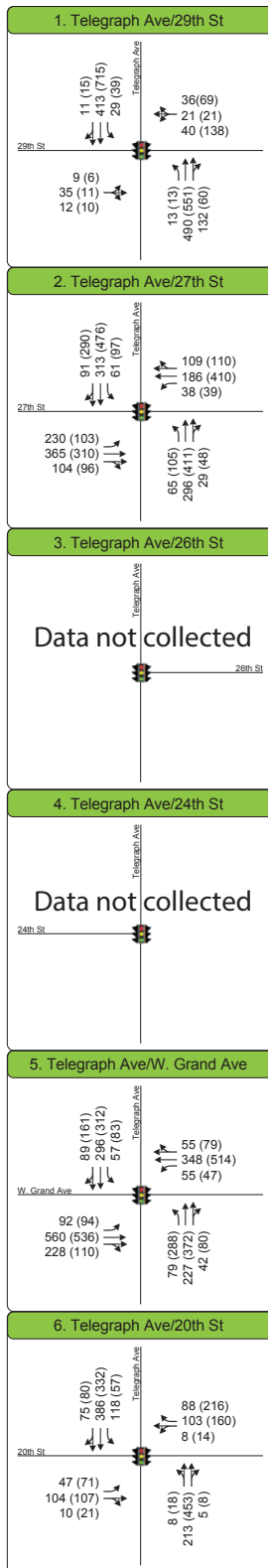
The results show that the crosswalk at 24th Street experienced more pedestrian crossings and a higher rate of vehicles yielding after the project was implemented. Another key metric for understanding driver behavior at uncontrolled crosswalks is the average number of cars failing to yield per pedestrian. This metric indicates the average number of cars that will fail to yield to a pedestrian that is waiting at the curb or has entered the crosswalk. For example, in 2013 at 24th Street, on average during the study period, a pedestrian would wait for more than four cars to pass before a car would stop to let them cross.

Table 6 shows the average number of cars that fail to yield per pedestrian crossing event.

TABLE 6: AVERAGE NUMBER OF CARS FAILING TO YIELD PER PEDESTRIAN			
Location	Year	Average Cars Failing to Yield per Pedestrian	
		AM	PM
24th St	2013	4.05	4.8
	2016	1.10	0.95
21st St	2016	1.76	1.26

This table shows that after the project was implemented, pedestrians waiting to cross will experience less drivers that pass them, failing to yield, and a shorter wait time before a car stops and allows them to cross.

Please contact Ryan McClain or Teresa Peterson with any questions.



LEGEND

XX (YY) AM (PM) Peak Hour
Traffic Volumes



Signalized Intersection

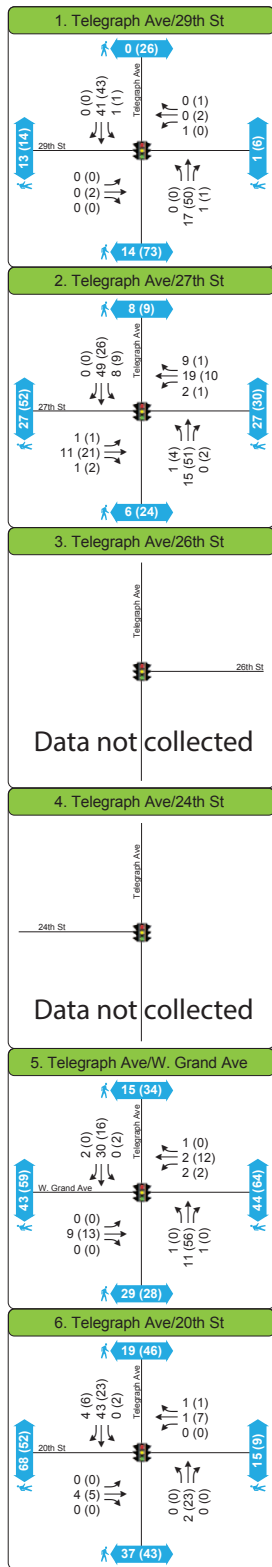


Study Corridor

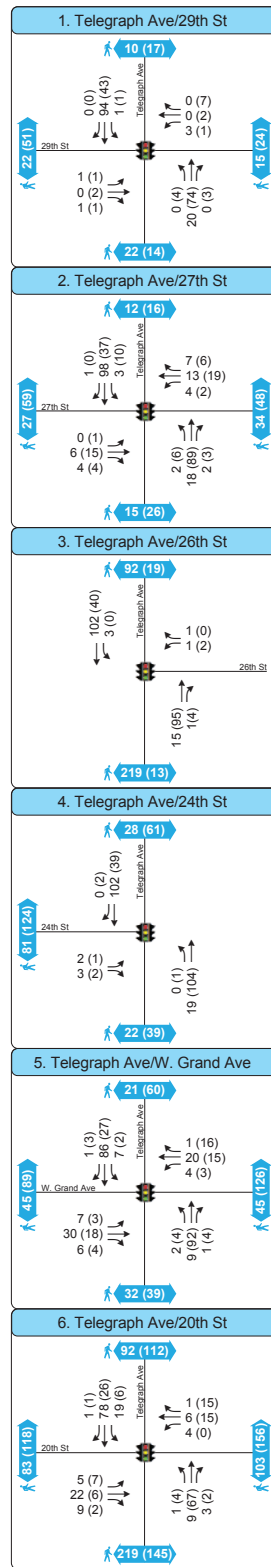
Study Intersection

Figure 1

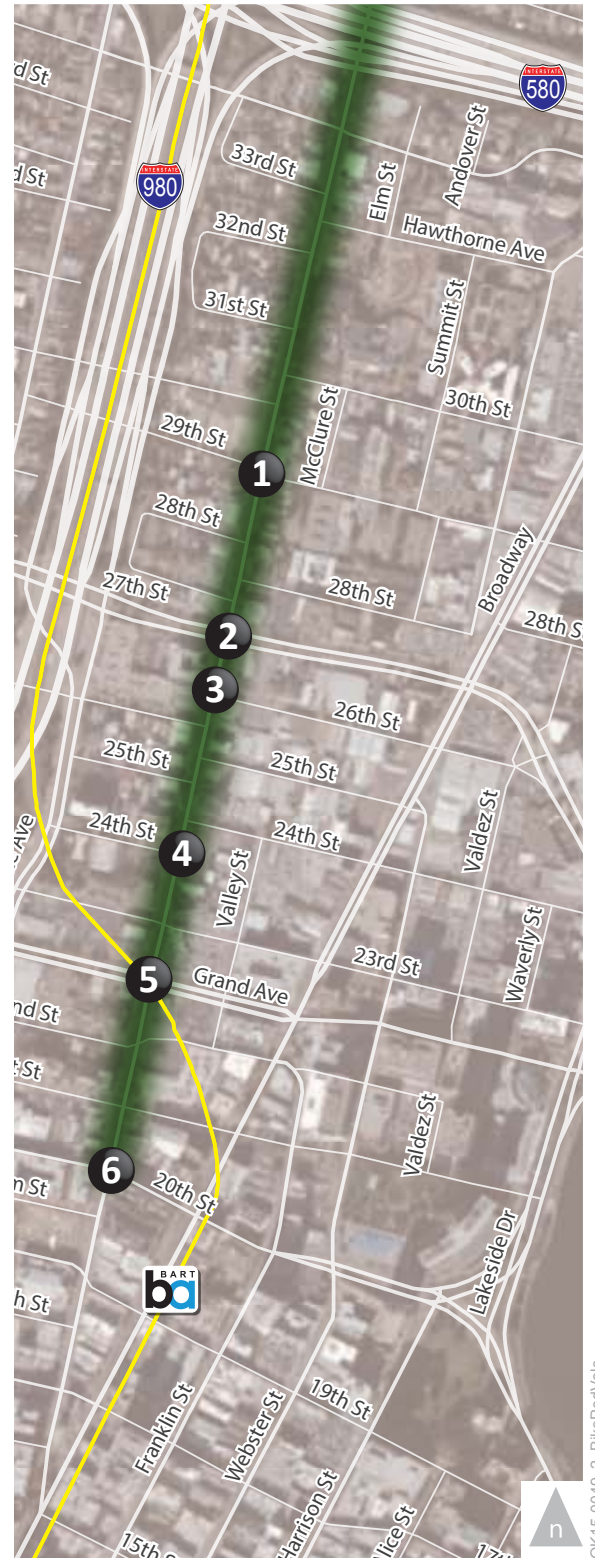
Peak Hour Intersection Traffic Volumes,
Lane Configurations and Traffic Control



2013



2016



LEGEND

X (Y) AM (PM) Peak Hour Bicycle Volumes

(#) AM (PM) Peak Hour Pedestrian Volumes

Signalized Intersection

Study Intersection

Study Corridor

Figure 2

Peak Hour Bicycle and Pedestrian Volumes

VOLUME

Telegraph Ave Bet. 40th St & 41st St

Day: Wednesday

Date: 9/28/2016

City: Oakland

Project #: CA16_7684_001n

DAILY TOTALS					NB	SB						EB	WB	Total	
					8,942	9,091						0	0	18,033	
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL			
00:00	26	32	0	0	58		12:00	142	112	0	0	254			
00:15	28	34	0	0	62		12:15	127	131	0	0	258			
00:30	13	23	0	0	36		12:30	149	142	0	0	291			
00:45	18	85	14	103	0	0	12:45	145	563	159	544	0	0	304	1107
01:00	14	19	0	0	33		13:00	153	178	0	0	331			
01:15	8	18	0	0	26		13:15	148	157	0	0	305			
01:30	13	17	0	0	30		13:30	144	161	0	0	305			
01:45	10	45	7	61	0	0	13:45	143	588	155	651	0	0	298	1239
02:00	10	7	0	0	17		14:00	143	167	0	0	310			
02:15	12	14	0	0	26		14:15	131	135	0	0	266			
02:30	3	8	0	0	11		14:30	164	158	0	0	322			
02:45	12	37	2	31	0	0	14:45	150	588	152	612	0	0	302	1200
03:00	11	13	0	0	24		15:00	163	148	0	0	311			
03:15	6	5	0	0	11		15:15	160	133	0	0	293			
03:30	9	9	0	0	18		15:30	155	161	0	0	316			
03:45	5	31	9	36	0	0	15:45	175	653	158	600	0	0	333	1253
04:00	4	6	0	0	10		16:00	184	158	0	0	342			
04:15	5	8	0	0	13		16:15	187	141	0	0	328			
04:30	6	7	0	0	13		16:30	224	150	0	0	374			
04:45	16	31	14	35	0	0	16:45	184	779	163	612	0	0	347	1391
05:00	13	12	0	0	25		17:00	199	148	0	0	347			
05:15	16	20	0	0	36		17:15	198	157	0	0	355			
05:30	18	25	0	0	43		17:30	218	146	0	0	364			
05:45	22	69	37	94	0	0	17:45	181	796	153	604	0	0	334	1400
06:00	26	49	0	0	75		18:00	186	139	0	0	325			
06:15	26	45	0	0	71		18:15	162	156	0	0	318			
06:30	52	67	0	0	119		18:30	126	159	0	0	285			
06:45	43	147	91	252	0	0	18:45	127	601	137	591	0	0	264	1192
07:00	69	74	0	0	143		19:00	112	132	0	0	244			
07:15	78	93	0	0	171		19:15	114	109	0	0	223			
07:30	95	107	0	0	202		19:30	124	119	0	0	243			
07:45	97	339	135	409	0	0	19:45	92	442	100	460	0	0	192	902
08:00	127	133	0	0	260		20:00	106	97	0	0	203			
08:15	133	146	0	0	279		20:15	89	66	0	0	155			
08:30	135	178	0	0	313		20:30	106	104	0	0	210			
08:45	116	511	170	627	0	0	20:45	98	399	79	346	0	0	177	745
09:00	103	155	0	0	258		21:00	83	93	0	0	176			
09:15	120	166	0	0	286		21:15	80	81	0	0	161			
09:30	133	158	0	0	291		21:30	70	66	0	0	136			
09:45	111	467	114	593	0	0	21:45	73	306	82	322	0	0	155	628
10:00	117	129	0	0	246		22:00	63	74	0	0	137			
10:15	132	132	0	0	264		22:15	52	70	0	0	122			
10:30	123	118	0	0	241		22:30	46	72	0	0	118			
10:45	153	525	144	523	0	0	22:45	52	213	55	271	0	0	107	484
11:00	144	117	0	0	261		23:00	49	44	0	0	93			
11:15	129	144	0	0	273		23:15	44	54	0	0	98			
11:30	142	134	0	0	276		23:30	45	50	0	0	95			
11:45	139	554	142	537	0	0	23:45	35	173	29	177	0	0	64	350
TOTALS	2841	3301			6142		TOTALS	6101	5790			11891			
SPLIT %	46.3%	53.7%			34.1%		SPLIT %	51.3%	48.7%			65.9%			

DAILY TOTALS					NB	SB						EB	WB	Total	
					8,942	9,091						0	0	18,033	
AM Peak Hour	10:45	08:30			08:30		PM Peak Hour	16:30	12:45			16:30			
AM Pk Volume	568	669			1143		PM Pk Volume	805	655			1423			
Pk Hr Factor	0.928	0.940			0.913		Pk Hr Factor	0.898	0.920			0.951			
7 - 9 Volume	850	1036	0	0	1886		4 - 6 Volume	1575	1216	0	0	2791			
7 - 9 Peak Hour	08:00	08:00			08:00		4 - 6 Peak Hour	16:30	16:30			16:30			
7 - 9 Pk Volume	511	627	0	0	1138		4 - 6 Pk Volume	805	618	0	0	1423			
Pk Hr Factor	0.946	0.881	0.000	0.000	0.909		Pk Hr Factor	0.898	0.948	0.000	0.000	0.951			

BICYCLE VOLUME

Telegraph Ave Bet. 40th St & 41st St

Day: Wednesday
Date: 9/28/2016City: Oakland
Project #: CA16_7684_001n

DAILY TOTALS					NB	SB					Total
					655	724					1,379
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL
0:00	0	4			4	12:00	6	9			15
0:15	2	2			4	12:15	4	6			10
0:30	2	0			2	12:30	4	2			6
0:45	1	5	0	6	11	12:45	6	20	8	25	45
1:00	1	1			2	13:00	4	3			7
1:15	1	0			1	13:15	5	6			11
1:30	0	1			1	13:30	5	7			12
1:45	1	3	0	2	5	13:45	8	22	7	23	45
2:00	0	1			1	14:00	7	5			12
2:15	0	1			1	14:15	9	7			16
2:30	1	1			2	14:30	6	5			11
2:45	0	1	1	4	5	14:45	4	26	9	26	52
3:00	2	0			2	15:00	12	16			28
3:15	1	0			1	15:15	9	7			16
3:30	0	1			1	15:30	14	10			24
3:45	0	3	0	1	4	15:45	10	45	10	43	88
4:00	0	0			0	16:00	17	7			24
4:15	2	3			5	16:15	4	14			18
4:30	0	2			2	16:30	16	9			25
4:45	0	2	1	6	8	16:45	17	54	13	43	97
5:00	1	0			1	17:00	15	8			23
5:15	0	2			2	17:15	29	12			41
5:30	1	1			2	17:30	22	7			29
5:45	4	6	4	7	13	17:45	23	89	14	41	130
6:00	0	3			3	18:00	27	4			31
6:15	5	6			11	18:15	27	15			42
6:30	4	9			13	18:30	20	14			34
6:45	3	12	13	31	43	18:45	10	84	4	37	121
7:00	1	12			13	19:00	16	9			25
7:15	5	20			25	19:15	14	9			23
7:30	2	17			19	19:30	11	11			22
7:45	8	16	28	77	93	19:45	7	48	7	36	84
8:00	10	21			31	20:00	11	10			21
8:15	7	25			32	20:15	8	10			18
8:30	9	26			35	20:30	11	2			13
8:45	6	32	29	101	133	20:45	5	35	7	29	64
9:00	10	22			32	21:00	9	6			15
9:15	5	25			30	21:15	11	5			16
9:30	11	11			22	21:30	7	4			11
9:45	7	33	10	68	101	21:45	10	37	8	23	60
10:00	9	8			17	22:00	4	7			11
10:15	10	10			20	22:15	5	7			12
10:30	3	6			9	22:30	0	4			4
10:45	6	28	6	30	58	22:45	3	12	4	22	34
11:00	3	5			8	23:00	9	4			13
11:15	4	11			15	23:15	4	6			10
11:30	8	8			16	23:30	4	3			7
11:45	9	24	5	29	53	23:45	1	18	1	14	32
TOTALS	165	362			527	TOTALS	490	362			852
SPLIT %	31.3%	68.7%			38.2%	SPLIT %	57.5%	42.5%			61.8%

DAILY TOTALS					NB	SB					Total
					655	724					1,379
AM Peak Hour	9:30	8:15		7:45			PM Peak Hour	17:15	17:45		17:45
AM Pk Volume	37	102		134			PM Pk Volume	101	47		144
Pk Hr Factor	0.841	0.879		0.931			Pk Hr Factor	0.871	0.783		0.857
7 - 9 Volume	48	178	0	0	226		4 - 6 Volume	143	84	0	227
7 - 9 Peak Hour	7:45	8:00		7:45			4 - 6 Peak Hour	17:00	16:15		17:00
7 - 9 Pk Volume	34	101	0	0	134		4 - 6 Pk Volume	89	44	0	130
Pk Hr Factor	0.850	0.871	0.000	0.000	0.931		Pk Hr Factor	0.767	0.786	0.000	0.793

PEDESTRIAN VOLUME

Telegraph Ave Bet. 40th St & 41st St

Day: Wednesday

Date: 9/28/2016

City: Oakland

Project #: CA16_7684_001

DAILY TOTALS					NB	SB						EB	WB	Total	
					1,696	1,732						0	0	3,428	
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL			
00:00	8	4			12		12:00	7	14			21			
00:15	3	1			4		12:15	22	23			45			
00:30	2	0			2		12:30	14	23			37			
00:45	3	16	0	5	3	21	12:45	23	66	13	73	36	139		
01:00	1	2			3		13:00	31	21			52			
01:15	0	2			2		13:15	23	27			50			
01:30	0	1			1		13:30	16	27			43			
01:45	1	2	0	5	1	7	13:45	20	90	28	103	48	193		
02:00	0	0			0		14:00	28	25			53			
02:15	0	0			0		14:15	21	14			35			
02:30	1	2			3		14:30	16	16			32			
02:45	0	1	0	2	0	3	14:45	16	81	22	77	38	158		
03:00	0	3			3		15:00	17	23			40			
03:15	1	1			2		15:15	24	32			56			
03:30	0	0			0		15:30	20	23			43			
03:45	0	1	0	4	0	5	15:45	30	91	22	100	52	191		
04:00	0	3			3		16:00	24	21			45			
04:15	1	1			2		16:15	51	20			71			
04:30	2	1			3		16:30	39	58			97			
04:45	0	3	4	9	4	12	16:45	42	156	36	135	78	291		
05:00	2	2			4		17:00	60	25			85			
05:15	1	5			6		17:15	43	22			65			
05:30	4	3			7		17:30	54	20			74			
05:45	1	8	4	14	5	22	17:45	60	217	29	96	89	313		
06:00	1	9			10		18:00	69	31			100			
06:15	2	12			14		18:15	77	26			103			
06:30	4	11			15		18:30	55	23			78			
06:45	3	10	17	49	20	59	18:45	58	259	19	99	77	358		
07:00	7	30			37		19:00	56	33			89			
07:15	7	31			38		19:15	33	33			66			
07:30	12	42			54		19:30	46	24			70			
07:45	15	41	54	157	69	198	19:45	38	173	23	113	61	286		
08:00	20	48			68		20:00	28	25			53			
08:15	21	68			89		20:15	13	9			22			
08:30	20	59			79		20:30	32	15			47			
08:45	13	74	39	214	52	288	20:45	33	106	16	65	49	171		
09:00	14	49			63		21:00	18	17			35			
09:15	25	49			74		21:15	14	8			22			
09:30	10	36			46		21:30	15	6			21			
09:45	15	64	29	163	44	227	21:45	15	62	5	36	20	98		
10:00	5	22			27		22:00	6	15			21			
10:15	17	20			37		22:15	10	12			22			
10:30	11	20			31		22:30	14	9			23			
10:45	18	51	14	76	32	127	22:45	4	34	3	39	7	73		
11:00	9	18			27		23:00	8	5			13			
11:15	7	11			18		23:15	7	3			10			
11:30	20	20			40		23:30	10	4			14			
11:45	28	64	34	83	62	147	23:45	1	26	3	15	4	41		
TOTALS	335	781			1116		TOTALS	1361	951			2312			
SPLIT %	30.0%	70.0%			32.6%		SPLIT %	58.9%	41.1%			67.4%			

DAILY TOTALS					NB	SB						EB	WB	Total	
					1,696	1,732						0	0	3,428	
AM Peak Hour	11:30	07:45			07:45		PM Peak Hour	17:45	16:30			17:45			
AM Pk Volume	77	229			305		PM Pk Volume	261	141			370			
Pk Hr Factor	0.688	0.842			0.857		Pk Hr Factor	0.847	0.608			0.898			
7 - 9 Volume	115	371	0	0	486		4 - 6 Volume	373	231	0	0	604			
7 - 9 Peak Hour	07:45	07:45			07:45		4 - 6 Peak Hour	17:00	16:30			16:15			
7 - 9 Pk Volume	76	229	0	0	305		4 - 6 Pk Volume	217	141	0	0	331			
Pk Hr Factor	0.905	0.842	0.000	0.000	0.857		Pk Hr Factor	0.904	0.608	0.000	0.000	0.853			

VOLUME

Telegraph Ave Bet. 26th St & 27th St

Day: Wednesday

City: Oakland

Date: 9/28/2016

Project #: CA16_7684_002n

DAILY TOTALS					NB	SB						EB	WB	Total	
					6,766	6,502						0	0	13,268	
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL			
00:00	27	25	0	0	52		12:00	102	116	0	0	218			
00:15	15	20	0	0	35		12:15	97	117	0	0	214			
00:30	14	11	0	0	25		12:30	94	111	0	0	205			
00:45	20	76	11	67	0	0	12:45	107	400	97	441	0	0	204	841
01:00	10	9	0	0	19		13:00	97	100	0	0	197			
01:15	11	14	0	0	25		13:15	125	112	0	0	237			
01:30	14	16	0	0	30		13:30	119	118	0	0	237			
01:45	12	47	8	47	0	0	13:45	113	454	120	450	0	0	233	904
02:00	9	6	0	0	15		14:00	106	100	0	0	206			
02:15	9	8	0	0	17		14:15	121	103	0	0	224			
02:30	6	5	0	0	11		14:30	121	114	0	0	235			
02:45	5	29	2	21	0	0	14:45	147	495	129	446	0	0	276	941
03:00	4	1	0	0	5		15:00	122	111	0	0	233			
03:15	6	6	0	0	12		15:15	122	111	0	0	233			
03:30	5	3	0	0	8		15:30	119	117	0	0	236			
03:45	6	21	10	20	0	0	15:45	120	483	119	458	0	0	239	941
04:00	7	10	0	0	17		16:00	135	131	0	0	266			
04:15	6	11	0	0	17		16:15	140	109	0	0	249			
04:30	11	4	0	0	15		16:30	132	95	0	0	227			
04:45	15	39	6	31	0	0	16:45	128	535	121	456	0	0	249	991
05:00	15	11	0	0	26		17:00	130	114	0	0	244			
05:15	16	27	0	0	43		17:15	152	140	0	0	292			
05:30	18	18	0	0	36		17:30	147	125	0	0	272			
05:45	26	75	31	87	0	0	17:45	121	550	114	493	0	0	235	1043
06:00	34	29	0	0	63		18:00	124	106	0	0	230			
06:15	23	31	0	0	54		18:15	112	113	0	0	225			
06:30	46	44	0	0	90		18:30	112	120	0	0	232			
06:45	50	153	25	129	0	0	18:45	111	459	107	446	0	0	218	905
07:00	33	42	0	0	75		19:00	97	117	0	0	214			
07:15	64	63	0	0	127		19:15	95	91	0	0	186			
07:30	69	46	0	0	115		19:30	83	88	0	0	171			
07:45	76	242	76	227	0	0	19:45	77	352	73	369	0	0	150	721
08:00	95	74	0	0	169		20:00	77	85	0	0	162			
08:15	97	91	0	0	188		20:15	81	65	0	0	146			
08:30	81	112	0	0	193		20:30	101	76	0	0	177			
08:45	79	352	100	377	0	0	20:45	76	335	54	280	0	0	130	615
09:00	84	88	0	0	172		21:00	67	54	0	0	121			
09:15	79	90	0	0	169		21:15	62	41	0	0	103			
09:30	88	89	0	0	177		21:30	67	55	0	0	122			
09:45	89	340	91	358	0	0	21:45	57	253	51	201	0	0	108	454
10:00	83	91	0	0	174		22:00	51	51	0	0	102			
10:15	76	85	0	0	161		22:15	47	38	0	0	85			
10:30	87	108	0	0	195		22:30	54	46	0	0	100			
10:45	109	355	105	389	0	0	22:45	44	196	36	171	0	0	80	367
11:00	111	102	0	0	213		23:00	39	34	0	0	73			
11:15	108	105	0	0	213		23:15	29	19	0	0	48			
11:30	82	105	0	0	187		23:30	31	40	0	0	71			
11:45	97	398	98	410	0	0	23:45	28	127	35	128	0	0	63	255
TOTALS	2127	2163			4290		TOTALS	4639	4339			8978			
SPLIT %	49.6%	50.4%			32.3%		SPLIT %	51.7%	48.3%			67.7%			

DAILY TOTALS					NB	SB						EB	WB	Total	
					6,766	6,502						0	0	13,268	
AM Peak Hour	10:30	11:45			10:30		PM Peak Hour	16:45	16:45			16:45			
AM Pk Volume	415	442			835		PM Pk Volume	557	500			1057			
Pk Hr Factor	0.935	0.944			0.975		Pk Hr Factor	0.916	0.893			0.905			
7 - 9 Volume	594	604	0	0	1198		4 - 6 Volume	1085	949	0	0	2034			
7 - 9 Peak Hour	08:00	08:00			08:00		4 - 6 Peak Hour	16:45	16:45			16:45			
7 - 9 Pk Volume	352	377	0	0	729		4 - 6 Pk Volume	557	500	0	0	1057			
Pk Hr Factor	0.907	0.842	0.000	0.000	0.944		Pk Hr Factor	0.916	0.893	0.000	0.000	0.905			

BICYCLE VOLUME

Telegraph Ave Bet. 26th St & 27th St

Day: Wednesday
Date: 9/28/2016City: Oakland
Project #: CA16_7684_002n

DAILY TOTALS					NB	SB	EB					WB	Total
					655	716						0	0
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL		
0:00	1	1			2	12:00	8	9			17		
0:15	1	1			2	12:15	4	2			6		
0:30	1	1			2	12:30	4	3			7		
0:45	2	5	0	3	2	12:45	7	23	5	19	12	42	
1:00	2	2			4	13:00	3	7			10		
1:15	5	1			6	13:15	5	5			10		
1:30	3	1			4	13:30	4	11			15		
1:45	1	11	2	6	3	13:45	13	25	6	29	19	54	
2:00	1	1			2	14:00	8	5			13		
2:15	1	0			1	14:15	4	8			12		
2:30	0	1			1	14:30	7	8			15		
2:45	1	3	1	3	2	14:45	7	26	9	30	16	56	
3:00	0	0			0	15:00	12	5			17		
3:15	0	1			1	15:15	9	6			15		
3:30	2	1			3	15:30	11	6			17		
3:45	0	2	0	2	0	15:45	15	47	14	31	29	78	
4:00	0	0			0	16:00	13	8			21		
4:15	0	4			4	16:15	10	13			23		
4:30	1	1			2	16:30	17	15			32		
4:45	0	1	2	7	2	16:45	19	59	6	42	25	101	
5:00	0	0			0	17:00	21	13			34		
5:15	0	0			0	17:15	35	10			45		
5:30	0	2			2	17:30	23	10			33		
5:45	2	2	1	3	3	17:45	35	114	11	44	46	158	
6:00	0	4			4	18:00	21	17			38		
6:15	1	2			3	18:15	20	14			34		
6:30	0	2			2	18:30	26	14			40		
6:45	0	1	6	14	6	18:45	13	80	10	55	23	135	
7:00	2	5			7	19:00	17	10			27		
7:15	2	13			15	19:15	15	2			17		
7:30	3	13			16	19:30	8	5			13		
7:45	5	12	21	52	26	19:45	10	50	6	23	16	73	
8:00	6	20			26	20:00	13	12			25		
8:15	1	32			33	20:15	10	8			18		
8:30	5	17			22	20:30	5	2			7		
8:45	3	15	38	107	41	20:45	9	37	6	28	15	65	
9:00	6	31			37	21:00	11	6			17		
9:15	6	27			33	21:15	10	4			14		
9:30	9	12			21	21:30	6	4			10		
9:45	7	28	19	89	26	21:45	8	35	5	19	13	54	
10:00	3	11			14	22:00	4	8			12		
10:15	7	12			19	22:15	10	4			14		
10:30	5	12			17	22:30	4	5			9		
10:45	6	21	10	45	16	22:45	7	25	4	21	11	46	
11:00	7	3			10	23:00	0	4			4		
11:15	2	6			8	23:15	3	4			7		
11:30	3	12			15	23:30	4	4			8		
11:45	10	22	9	30	19	23:45	4	11	2	14	6	25	
TOTALS	123	361			484	TOTALS	532	355			887		
SPLIT %	25.4%	74.6%			35.3%	SPLIT %	60.0%	40.0%			64.7%		

DAILY TOTALS					NB	SB					Total
					655	716					1,371
AM Peak Hour	9:00	8:15		8:15	PM Peak Hour	17:00	17:45			17:15	
AM Pk Volume	28	118		133	PM Pk Volume	114	56			162	
Pk Hr Factor	0.778	0.776		0.811	Pk Hr Factor	0.814	0.824			0.880	
7 - 9 Volume	27	159	0	0	4 - 6 Volume	173	86	0	0	259	
7 - 9 Peak Hour	7:45	8:00		8:00	4 - 6 Peak Hour	17:00	16:15			17:00	
7 - 9 Pk Volume	17	107	0	0	4 - 6 Pk Volume	114	47	0	0	158	
Pk Hr Factor	0.708	0.704	0.000	0.000	Pk Hr Factor	0.814	0.783	0.000	0.000	0.859	

PEDESTRIAN VOLUME

Telegraph Ave Bet. 26th St & 27th St

Day: Wednesday
Date: 9/28/2016City: Oakland
Project #: CA16_7684_002

DAILY TOTALS					NB	SB	EBWB					Total
					814	746						0
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL	
00:00	0	2			2	12:00	11	20			31	
00:15	3	3			6	12:15	18	18			36	
00:30	3	2			5	12:30	16	10			26	
00:45	1	7	1	8	215	12:45	10	55	9	57	19112	
01:00	2	3			5	13:00	23	15			38	
01:15	0	0			0	13:15	24	13			37	
01:30	3	0			3	13:30	13	13			26	
01:45	8	13	2	5	1018	13:45	8	68	18	59	26127	
02:00	0	1			1	14:00	6	19			25	
02:15	0	1			1	14:15	10	3			13	
02:30	0	0			0	14:30	17	20			37	
02:45	0	1	3		13	14:45	10	43	9	51	1994	
03:00	2	1			3	15:00	9	13			22	
03:15	1	0			1	15:15	8	9			17	
03:30	1	2			3	15:30	12	9			21	
03:45	1	5	0	3	18	15:45	22	51	10	41	3292	
04:00	0	2			2	16:00	7	15			22	
04:15	0	1			1	16:15	14	8			22	
04:30	2	1			3	16:30	17	14			31	
04:45	0	2	0	4	06	16:45	17	55	13	50	30105	
05:00	0	0			0	17:00	25	11			36	
05:15	2	1			3	17:15	20	16			36	
05:30	1	1			2	17:30	31	10			41	
05:45	0	3	1	3	16	17:45	16	92	8	45	24137	
06:00	1	1			2	18:00	26	11			37	
06:15	1	2			3	18:15	18	12			30	
06:30	1	4			5	18:30	22	16			38	
06:45	3	6	1	8	414	18:45	26	92	21	60	47152	
07:00	3	7			10	19:00	20	10			30	
07:15	3	7			10	19:15	20	8			28	
07:30	3	14			17	19:30	13	13			26	
07:45	7	16	22	50	2966	19:45	16	69	7	38	23107	
08:00	6	13			19	20:00	17	11			28	
08:15	4	12			16	20:15	17	11			28	
08:30	5	7			12	20:30	7	3			10	
08:45	1	16	15	47	1663	20:45	10	51	8	33	1884	
09:00	7	14			21	21:00	6	2			8	
09:15	3	7			10	21:15	14	4			18	
09:30	5	10			15	21:30	2	9			11	
09:45	6	21	12	43	1864	21:45	8	30	7	22	1552	
10:00	7	9			16	22:00	11	5			16	
10:15	13	22			35	22:15	3	4			7	
10:30	11	10			21	22:30	6	3			9	
10:45	10	41	10	51	2092	22:45	6	26	5	17	1143	
11:00	7	14			21	23:00	8	4			12	
11:15	9	7			16	23:15	1	0			1	
11:30	13	8			21	23:30	2	3			5	
11:45	5	34	12	41	1775	23:45	7	18	0	7	725	
TOTALS	164	266			430	TOTALS	650	480			1130	
SPLIT %	38.1%	61.9%			27.6%	SPLIT %	57.5%	42.5%			72.4%	

DAILY TOTALS					NB	SB	EBWB					Total
					814	746						0
AM Peak Hour	11:45	07:30			11:45	PM Peak Hour	16:45	13:15			18:00	
AM Pk Volume	50	61			110	PM Pk Volume	93	63			152	
Pk Hr Factor	0.694	0.693			0.764	Pk Hr Factor	0.750	0.829			0.809	
7 - 9 Volume	32	97	0	0	129	4 - 6 Volume	147	95	0	0	242	
7 - 9 Peak Hour	07:45	07:30			07:30	4 - 6 Peak Hour	16:45	16:30			16:45	
7 - 9 Pk Volume	22	61	0	0	81	4 - 6 Pk Volume	93	54	0	0	143	
Pk Hr Factor	0.786	0.693	0.000	0.000	0.698	Pk Hr Factor	0.750	0.844	0.000	0.000	0.872	

VOLUME

Telegraph Ave Bet. 40th St & 41st St

Day: Thursday
Date: 10/20/2016City: Oakland
Project #: CA16_7684_001n

DAILY TOTALS						NB	SB	EB						WB	Total	
						9,250	9,512							0		
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL					
00:00	33	37	0	0	70	12:00	166	124	0	0	290					
00:15	24	35	0	0	59	12:15	160	167	0	0	327					
00:30	28	23	0	0	51	12:30	151	157	0	0	308					
00:45	20	105	20	115	0	0	152	629	167	615	0	0	319	1244		
01:00	13	22	0	0	35	13:00	175	153	0	0	328					
01:15	18	20	0	0	38	13:15	141	122	0	0	263					
01:30	11	19	0	0	30	13:30	142	175	0	0	317					
01:45	15	57	18	79	0	0	153	611	156	606	0	0	309	1217		
02:00	15	16	0	0	31	14:00	132	155	0	0	287					
02:15	7	9	0	0	16	14:15	135	148	0	0	283					
02:30	8	8	0	0	16	14:30	142	160	0	0	302					
02:45	8	38	7	40	0	0	15	558	154	617	0	0	303	1175		
03:00	5	12	0	0	17	15:00	150	149	0	0	299					
03:15	11	9	0	0	20	15:15	151	152	0	0	303					
03:30	7	13	0	0	20	15:30	170	149	0	0	319					
03:45	5	28	6	40	0	0	11	669	147	597	0	0	345	1266		
04:00	10	7	0	0	17	16:00	170	180	0	0	350					
04:15	8	7	0	0	15	16:15	183	164	0	0	347					
04:30	6	13	0	0	19	16:30	198	151	0	0	349					
04:45	11	35	17	44	0	0	28	742	148	643	0	0	339	1385		
05:00	15	23	0	0	38	17:00	182	162	0	0	344					
05:15	16	22	0	0	38	17:15	167	162	0	0	329					
05:30	20	24	0	0	44	17:30	187	171	0	0	358					
05:45	29	80	52	121	0	0	81	733	175	670	0	0	372	1403		
06:00	32	46	0	0	78	18:00	169	138	0	0	307					
06:15	26	61	0	0	87	18:15	143	146	0	0	289					
06:30	41	65	0	0	106	18:30	155	156	0	0	311					
06:45	55	154	86	258	0	0	141	611	160	600	0	0	304	1211		
07:00	54	73	0	0	127	19:00	148	131	0	0	279					
07:15	71	94	0	0	165	19:15	116	108	0	0	224					
07:30	94	120	0	0	214	19:30	107	119	0	0	226					
07:45	121	340	134	421	0	0	255	761	115	486	95	453	0	0	210	939
08:00	128	159	0	0	287	20:00	100	109	0	0	209					
08:15	132	156	0	0	288	20:15	105	99	0	0	204					
08:30	123	178	0	0	301	20:30	100	97	0	0	197					
08:45	131	514	162	655	0	0	293	1169	95	400	84	389	0	0	179	789
09:00	131	148	0	0	279	21:00	88	92	0	0	180					
09:15	117	153	0	0	270	21:15	85	84	0	0	169					
09:30	126	164	0	0	290	21:30	84	58	0	0	142					
09:45	128	502	146	611	0	0	274	1113	75	332	97	331	0	0	172	663
10:00	113	133	0	0	246	22:00	91	73	0	0	164					
10:15	118	140	0	0	258	22:15	87	67	0	0	154					
10:30	135	110	0	0	245	22:30	81	97	0	0	178					
10:45	122	488	147	530	0	0	269	1018	81	340	59	296	0	0	140	636
11:00	133	129	0	0	262	23:00	77	44	0	0	121					
11:15	133	149	0	0	282	23:15	52	50	0	0	102					
11:30	149	156	0	0	305	23:30	57	62	0	0	119					
11:45	150	565	153	587	0	0	303	1152	47	233	38	194	0	0	85	427
TOTALS	2906		3501		6407		TOTALS	6344		6011		12355				
SPLIT %	45.4%		54.6%		34.1%		SPLIT %	51.3%		48.7%		65.9%				

DAILY TOTALS			NB		SB		EB				WB		Total	
			9,250		9,512		0				0		18,762	
AM Peak Hour	11:45	08:00			11:45	PM Peak Hour	16:15	17:00					17:00	
AM Pk Volume	627	655			1228	PM Pk Volume	754	670					1403	
Pk Hr Factor	0.944	0.920			0.939	Pk Hr Factor	0.952	0.957					0.943	
7 - 9 Volume	854	1076	0	0	1930	4 - 6 Volume	1475	1313	0	0			2788	
7 - 9 Peak Hour	08:00	08:00			08:00	4 - 6 Peak Hour	16:15	17:00					17:00	
7 - 9 Pk Volume	514	655	0	0	1169	4 - 6 Pk Volume	754	670	0	0			1403	
Pk Hr Factor	0.973	0.920	0.000	0.000	0.971	Pk Hr Factor	0.952	0.957	0.000	0.000			0.943	

BICYCLE VOLUME

Telegraph Ave Bet. 40th St & 41st St

Day: Thursday
Date: 10/20/2016City: Oakland
Project #: CA16_7684_001n

DAILY TOTALS					NB	SB						EB	WB	Total	
					613	650						0	0	1,263	
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL			
0:00	3	2			5		12:00	3	7			10			
0:15	4	2			6		12:15	8	8			16			
0:30	2	4			6		12:30	8	4			12			
0:45	3	12	1	9	4	21	12:45	3	22	6	25	9	47		
1:00	1	1			2		13:00	6	5			11			
1:15	0	0			0		13:15	6	2			8			
1:30	2	5			7		13:30	2	9			11			
1:45	1	4	1	7	2	11	13:45	5	19	7	23	12	42		
2:00	0	1			1		14:00	6	7			13			
2:15	0	1			1		14:15	12	4			16			
2:30	1	0			1		14:30	7	4			11			
2:45	0	1	2	4	2	5	14:45	4	29	1	16	5	45		
3:00	0	1			1		15:00	9	8			17			
3:15	1	3			4		15:15	9	4			13			
3:30	1	0			1		15:30	7	4			11			
3:45	2	4	2	6	4	10	15:45	11	36	7	23	18	59		
4:00	0	0			0		16:00	10	8			18			
4:15	0	2			2		16:15	16	14			30			
4:30	3	1			4		16:30	12	7			19			
4:45	1	4	1	4	2	8	16:45	13	51	9	38	22	89		
5:00	1	1			2		17:00	15	13			28			
5:15	0	0			0		17:15	29	13			42			
5:30	4	1			5		17:30	18	10			28			
5:45	1	6	5	7	6	13	17:45	22	84	9	45	31	129		
6:00	0	6			6		18:00	20	12			32			
6:15	1	2			3		18:15	25	18			43			
6:30	3	7			10		18:30	19	7			26			
6:45	1	5	9	24	10	29	18:45	14	78	12	49	26	127		
7:00	6	21			27		19:00	14	11			25			
7:15	4	12			16		19:15	12	7			19			
7:30	4	16			20		19:30	13	9			22			
7:45	7	21	22	71	29	92	19:45	11	50	6	33	17	83		
8:00	7	22			29		20:00	6	10			16			
8:15	6	21			27		20:15	6	8			14			
8:30	7	26			33		20:30	10	5			15			
8:45	12	32	18	87	30	119	20:45	10	32	11	34	21	66		
9:00	7	18			25		21:00	5	6			11			
9:15	7	9			16		21:15	10	4			14			
9:30	4	13			17		21:30	8	6			14			
9:45	5	23	12	52	17	75	21:45	5	28	7	23	12	51		
10:00	4	10			14		22:00	7	5			12			
10:15	5	3			8		22:15	6	1			7			
10:30	6	4			10		22:30	5	4			9			
10:45	1	16	9	26	10	42	22:45	3	21	4	14	7	35		
11:00	2	4			6		23:00	3	2			5			
11:15	1	4			5		23:15	2	3			5			
11:30	10	3			13		23:30	0	1			1			
11:45	14	27	9	20	23	47	23:45	3	8	4	10	7	18		
TOTALS	155	317			472		TOTALS	458	333			791			
SPLIT %	32.8%	67.2%			37.4%		SPLIT %	57.9%	42.1%			62.6%			

DAILY TOTALS					NB	SB						EB	WB	Total	
					613	650						0	0	1,263	
AM Peak Hour	11:30	7:45			8:00		PM Peak Hour	17:15	17:30			17:30			
AM Pk Volume	35	91			119		PM Pk Volume	89	49			134			
Pk Hr Factor	0.625	0.875			0.902		Pk Hr Factor	0.767	0.681			0.779			
7 - 9 Volume	53	158	0	0	211		4 - 6 Volume	135	83	0	0	218			
7 - 9 Peak Hour	8:00	7:45			8:00		4 - 6 Peak Hour	17:00	16:45			17:00			
7 - 9 Pk Volume	32	91	0	0	119		4 - 6 Pk Volume	84	45	0	0	129			
Pk Hr Factor	0.667	0.875	0.000	0.000	0.902		Pk Hr Factor	0.724	0.865	0.000	0.000	0.768			

PEDESTRIAN VOLUME

Telegraph Ave Bet. 40th St & 41st St

Day: Thursday
Date: 10/20/2016City: Oakland
Project #: CA16_7684_001n

DAILY TOTALS					NB	SB	EB					WB	Total
					1,603	1,746						0	0
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL		
0:00	3	1			4	12:00	21	19			40		
0:15	6	6			12	12:15	17	17			34		
0:30	0	0			0	12:30	16	20			36		
0:45	8	17	0	7	8	12:45	20	74	23	79	43		
1:00	0	1			1	13:00	14	21			35		
1:15	2	0			2	13:15	15	20			35		
1:30	1	0			1	13:30	19	20			39		
1:45	1	4	2	3	3	13:45	22	70	22	83	44		
2:00	3	0			3	14:00	11	15			26		
2:15	6	2			8	14:15	15	28			43		
2:30	3	0			3	14:30	15	14			29		
2:45	3	15	0	2	3	14:45	15	56	20	77	35		
3:00	0	1			1	15:00	24	22			46		
3:15	0	1			1	15:15	19	20			39		
3:30	1	4			5	15:30	15	27			42		
3:45	0	1	0	6	0	15:45	31	89	33	102	64		
4:00	0	0			0	16:00	17	40			57		
4:15	0	0			0	16:15	25	24			49		
4:30	1	2			3	16:30	36	19			55		
4:45	0	1	1	3	1	16:45	29	107	24	107	53		
5:00	1	2			3	17:00	40	21			61		
5:15	2	6			8	17:15	58	35			93		
5:30	4	5			9	17:30	84	33			117		
5:45	1	8	4	17	5	17:45	77	259	41	130	118		
6:00	4	7			11	18:00	50	34			84		
6:15	2	13			15	18:15	69	17			86		
6:30	5	14			19	18:30	57	41			98		
6:45	8	19	19	53	27	18:45	56	232	32	124	88		
7:00	7	29			36	19:00	43	33			76		
7:15	15	37			52	19:15	20	24			44		
7:30	5	52			57	19:30	40	22			62		
7:45	10	37	45	163	55	19:45	33	136	24	103	57		
8:00	15	63			78	20:00	30	23			53		
8:15	20	58			78	20:15	22	17			39		
8:30	19	41			60	20:30	22	15			37		
8:45	23	77	50	212	73	20:45	20	94	13	68	33		
9:00	12	47			59	21:00	9	21			30		
9:15	9	42			51	21:15	35	11			46		
9:30	11	26			37	21:30	17	10			27		
9:45	24	56	41	156	65	21:45	16	77	5	47	21		
10:00	10	13			23	22:00	8	9			17		
10:15	8	16			24	22:15	20	7			27		
10:30	12	24			36	22:30	2	5			7		
10:45	16	46	26	79	42	22:45	14	44	6	27	20		
11:00	21	18			39	23:00	18	6			24		
11:15	5	19			24	23:15	12	4			16		
11:30	8	18			26	23:30	1	7			8		
11:45	16	50	22	77	38	23:45	3	34	4	21	7		
TOTALS	331	778			1109	TOTALS	1272	968			2240		
SPLIT %	29.8%	70.2%			33.1%	SPLIT %	56.8%	43.2%			66.9%		

DAILY TOTALS					NB	SB	EBWB					Total
					1,603	1,746						0
AM Peak Hour	8:00	7:30			8:00	PM Peak Hour	17:30	17:15			17:15	
AM Pk Volume	77	218			289	PM Pk Volume	280	143			412	
Pk Hr Factor	0.837	0.865			0.926	Pk Hr Factor	0.833	0.872			0.873	
7 - 9 Volume	114	375	0	0	489	4 - 6 Volume	366	237	0	0	603	
7 - 9 Peak Hour	8:00	7:30			8:00	4 - 6 Peak Hour	17:00	17:00			17:00	
7 - 9 Pk Volume	77	218	0	0	289	4 - 6 Pk Volume	259	130	0	0	389	
Pk Hr Factor	0.837	0.865	0.000	0.000	0.926	Pk Hr Factor	0.771	0.793	0.000	0.000	0.824	

VOLUME

Telegraph Ave Bet. 26th St & 27th St

Day: Thursday
Date: 9/29/2016City: Oakland
Project #: CA16_7684_002n

DAILY TOTALS					NB	SB						EB	WB	Total	
					7,014	6,536						0	0	13,550	
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL			
00:00	19	20	0	0	39		12:00	91	111	0	0	202			
00:15	35	15	0	0	50		12:15	113	118	0	0	231			
00:30	26	11	0	0	37		12:30	109	114	0	0	223			
00:45	14	94	14	60	0	0	12:45	125	438	122	465	0	0	247	903
01:00	14	11	0	0	25		13:00	126	108	0	0	234			
01:15	12	14	0	0	26		13:15	118	107	0	0	225			
01:30	17	16	0	0	33		13:30	125	83	0	0	208			
01:45	5	48	13	54	0	0	13:45	119	488	120	418	0	0	239	906
02:00	10	5	0	0	15		14:00	115	115	0	0	230			
02:15	8	6	0	0	14		14:15	115	120	0	0	235			
02:30	7	5	0	0	12		14:30	133	110	0	0	243			
02:45	5	30	6	22	0	0	14:45	106	469	99	444	0	0	205	913
03:00	5	4	0	0	9		15:00	132	98	0	0	230			
03:15	6	0	0	0	6		15:15	116	95	0	0	211			
03:30	3	6	0	0	9		15:30	135	111	0	0	246			
03:45	5	19	6	16	0	0	15:45	117	500	109	413	0	0	226	913
04:00	3	5	0	0	8		16:00	114	117	0	0	231			
04:15	10	6	0	0	16		16:15	119	117	0	0	236			
04:30	7	8	0	0	15		16:30	130	125	0	0	255			
04:45	10	30	11	30	0	0	16:45	110	473	113	472	0	0	223	945
05:00	15	9	0	0	24		17:00	119	125	0	0	244			
05:15	14	18	0	0	32		17:15	127	123	0	0	250			
05:30	20	11	0	0	31		17:30	120	119	0	0	239			
05:45	25	74	31	69	0	0	17:45	129	495	120	487	0	0	249	982
06:00	22	27	0	0	49		18:00	119	104	0	0	223			
06:15	35	31	0	0	66		18:15	115	143	0	0	258			
06:30	44	59	0	0	103		18:30	102	116	0	0	218			
06:45	53	154	41	158	0	0	18:45	101	437	111	474	0	0	212	911
07:00	49	41	0	0	90		19:00	95	91	0	0	186			
07:15	62	50	0	0	112		19:15	90	110	0	0	200			
07:30	62	48	0	0	110		19:30	94	104	0	0	198			
07:45	85	258	69	208	0	0	19:45	104	383	82	387	0	0	186	770
08:00	83	87	0	0	170		20:00	82	71	0	0	153			
08:15	83	63	0	0	146		20:15	76	70	0	0	146			
08:30	87	91	0	0	178		20:30	75	65	0	0	140			
08:45	95	348	98	339	0	0	20:45	94	327	77	283	0	0	171	610
09:00	85	91	0	0	176		21:00	72	63	0	0	135			
09:15	85	95	0	0	180		21:15	75	55	0	0	130			
09:30	88	91	0	0	179		21:30	72	53	0	0	125			
09:45	105	363	93	370	0	0	21:45	85	304	52	223	0	0	137	527
10:00	95	100	0	0	195		22:00	143	49	0	0	192			
10:15	101	96	0	0	197		22:15	73	50	0	0	123			
10:30	100	103	0	0	203		22:30	58	42	0	0	100			
10:45	86	382	116	415	0	0	22:45	33	307	33	174	0	0	66	481
11:00	106	101	0	0	207		23:00	45	27	0	0	72			
11:15	104	92	0	0	196		23:15	34	37	0	0	71			
11:30	106	117	0	0	223		23:30	45	36	0	0	81			
11:45	122	438	115	425	0	0	23:45	31	155	30	130	0	0	61	285
TOTALS	2238	2166			4404		TOTALS	4776	4370			9146			
SPLIT %	50.8%	49.2%			32.5%		SPLIT %	52.2%	47.8%			67.5%			

DAILY TOTALS					NB	SB						EB	WB	Total	
					7,014	6,536						0	0	13,550	
AM Peak Hour	11:00	11:30			11:30		PM Peak Hour	15:00	17:00			17:00			
AM Pk Volume	438	461			893		PM Pk Volume	500	487			982			
Pk Hr Factor	0.898	0.977			0.942		Pk Hr Factor	0.926	0.974			0.982			
7 - 9 Volume	606	547	0	0	1153		4 - 6 Volume	968	959	0	0	1927			
7 - 9 Peak Hour	08:00	08:00			08:00		4 - 6 Peak Hour	17:00	17:00			17:00			
7 - 9 Pk Volume	348	339	0	0	687		4 - 6 Pk Volume	495	487	0	0	982			
Pk Hr Factor	0.916	0.865	0.000	0.000	0.890		Pk Hr Factor	0.959	0.974	0.000	0.000	0.982			

BICYCLE VOLUME

Telegraph Ave Bet. 26th St & 27th St

Day: Thursday
Date: 9/29/2016City: Oakland
Project #: CA16_7684_002n

DAILY TOTALS					NB	SB					Total
					628	651					1,279
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL
0:00	5	1			6	12:00	8	7			15
0:15	2	0			2	12:15	3	8			11
0:30	1	1			2	12:30	4	6			10
0:45	0	8	0	2	0 10	12:45	9	24	11	32	20 56
1:00	3	0			3	13:00	7	5			12
1:15	2	0			2	13:15	6	4			10
1:30	4	3			7	13:30	0	9			9
1:45	2	11	0	3	2 14	13:45	6	19	7	25	13 44
2:00	0	0			0	14:00	10	5			15
2:15	1	0			1	14:15	6	9			15
2:30	0	1			1	14:30	11	1			12
2:45	2	3	1	2	3 5	14:45	3	30	8	23	11 53
3:00	0	1			1	15:00	13	5			18
3:15	2	0			2	15:15	10	6			16
3:30	0	1			1	15:30	4	5			9
3:45	0	2	0	2	0 4	15:45	7	34	11	27	18 61
4:00	0	0			0	16:00	14	7			21
4:15	0	4			4	16:15	16	7			23
4:30	1	1			2	16:30	14	8			22
4:45	1	2	2	7	3 9	16:45	18	62	5	27	23 89
5:00	0	0			0	17:00	26	8			34
5:15	0	0			0	17:15	24	11			35
5:30	0	1			1	17:30	28	9			37
5:45	0	1	2		1 2	17:45	27	105	13	41	40 146
6:00	0	3			3	18:00	28	15			43
6:15	2	1			3	18:15	15	10			25
6:30	1	0			1	18:30	20	15			35
6:45	1	4	5	9	6 13	18:45	12	75	14	54	26 129
7:00	3	9			12	19:00	13	13			26
7:15	4	15			19	19:15	12	12			24
7:30	1	15			16	19:30	16	7			23
7:45	4	12	14	53	18 65	19:45	3	44	9	41	12 85
8:00	6	16			22	20:00	8	1			9
8:15	6	24			30	20:15	13	6			19
8:30	3	28			31	20:30	4	3			7
8:45	5	20	37	105	42 125	20:45	15	40	1	11	16 51
9:00	5	24			29	21:00	7	4			11
9:15	3	20			23	21:15	7	6			13
9:30	5	18			23	21:30	14	2			16
9:45	4	17	18	80	22 97	21:45	5	33	3	15	8 48
10:00	3	11			14	22:00	17	7			24
10:15	2	10			12	22:15	15	3			18
10:30	4	7			11	22:30	7	4			11
10:45	3	12	9	37	12 49	22:45	1	40	2	16	3 56
11:00	3	5			8	23:00	5	4			9
11:15	2	9			11	23:15	2	0			2
11:30	6	10			16	23:30	3	1			4
11:45	9	20	7	31	16 51	23:45	1	11	1	6	2 17
TOTALS	111	333			444	TOTALS	517	318			835
SPLIT %	25.0%	75.0%			34.7%	SPLIT %	61.9%	38.1%			65.3%

DAILY TOTALS					NB	SB					Total
					628	651					1,279
AM Peak Hour	11:30	8:15		8:15	PM Peak Hour	17:15	18:00			17:15	
AM Pk Volume	26	113		132	PM Pk Volume	107	54			155	
Pk Hr Factor	0.722	0.764		0.786	Pk Hr Factor	0.955	0.900			0.901	
7 - 9 Volume	32	158	0	0	4 - 6 Volume	167	68	0	0	235	
7 - 9 Peak Hour	8:00	8:00		8:00	4 - 6 Peak Hour	17:00	17:00			17:00	
7 - 9 Pk Volume	20	105	0	0	4 - 6 Pk Volume	105	41	0	0	146	
Pk Hr Factor	0.833	0.709	0.000	0.000	Pk Hr Factor	0.938	0.788	0.000	0.000	0.913	

PEDESTRIAN VOLUME

Telegraph Ave Bet. 26th St & 27th St

Day: Thursday
Date: 9/29/2016City: Oakland
Project #: CA16_7684_002

DAILY TOTALS					NB	SB					EB	WB	Total
					757	821					0	0	1,578
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL		
00:00	4	2			6	12:00	15	19			34		
00:15	5	2			7	12:15	6	19			25		
00:30	6	0			6	12:30	7	16			23		
00:45	2	17	2	6	4	12:45	5	33	10	64	15	97	
01:00	0	0			0	13:00	15	25			40		
01:15	2	1			3	13:15	14	7			21		
01:30	2	3			5	13:30	10	16			26		
01:45	4	8	2	6	6	13:45	14	53	14	62	28	115	
02:00	3	4			7	14:00	10	11			21		
02:15	0	1			1	14:15	6	15			21		
02:30	0	1			1	14:30	17	15			32		
02:45	1	4	0	6	1	14:45	14	47	17	58	31	105	
03:00	1	0			1	15:00	14	18			32		
03:15	0	0			0	15:15	9	13			22		
03:30	2	1			3	15:30	17	16			33		
03:45	1	4	2	3	3	15:45	9	49	3	50	12	99	
04:00	0	0			0	16:00	10	18			28		
04:15	0	1			1	16:15	8	12			20		
04:30	1	0			1	16:30	12	9			21		
04:45	2	3	0	1	2	16:45	18	48	9	48	27	96	
05:00	1	0			1	17:00	12	7			19		
05:15	0	1			1	17:15	18	22			40		
05:30	1	2			3	17:30	30	11			41		
05:45	1	3	1	4	2	17:45	19	79	24	64	43	143	
06:00	0	3			3	18:00	25	27			52		
06:15	3	4			7	18:15	21	12			33		
06:30	1	4			5	18:30	20	9			29		
06:45	4	8	4	15	8	18:45	19	85	13	61	32	146	
07:00	4	13			17	19:00	21	20			41		
07:15	6	7			13	19:15	9	10			19		
07:30	4	9			13	19:30	15	14			29		
07:45	1	15	12	41	13	19:45	10	55	5	49	15	104	
08:00	5	12			17	20:00	17	9			26		
08:15	9	16			25	20:15	12	10			22		
08:30	7	8			15	20:30	6	3			9		
08:45	4	25	10	46	14	20:45	17	52	5	27	22	79	
09:00	5	14			19	21:00	10	7			17		
09:15	6	11			17	21:15	11	5			16		
09:30	3	11			14	21:30	6	0			6		
09:45	5	19	10	46	15	21:45	8	35	4	16	12	51	
10:00	6	15			21	22:00	5	5			10		
10:15	14	16			30	22:15	4	5			9		
10:30	5	13			18	22:30	6	14			20		
10:45	14	39	22	66	36	22:45	7	22	1	25	8	47	
11:00	9	22			31	23:00	4	3			7		
11:15	13	7			20	23:15	7	1			8		
11:30	6	7			13	23:30	7	2			9		
11:45	6	34	14	50	20	23:45	2	20	1	7	3	27	
TOTALS	179	290			469	TOTALS	578	531			1109		
SPLIT %	38.2%	61.8%			29.7%	SPLIT %	52.1%	47.9%			70.3%		

DAILY TOTALS					NB	SB					EB	WB	Total
					757	821					0	0	1,578
AM Peak Hour	10:15	10:15			10:15	PM Peak Hour	17:30	17:15			17:15		
AM Pk Volume	42	73			115	PM Pk Volume	95	84			176		
Pk Hr Factor	0.750	0.830			0.799	Pk Hr Factor	0.792	0.778			0.846		
7 - 9 Volume	40	87	0	0	127	4 - 6 Volume	127	112	0	0	239		
7 - 9 Peak Hour	08:00	07:30			08:00	4 - 6 Peak Hour	17:00	17:00			17:00		
7 - 9 Pk Volume	25	49	0	0	71	4 - 6 Pk Volume	79	64	0	0	143		
Pk Hr Factor	0.694	0.766	0.000	0.000	0.710	Pk Hr Factor	0.658	0.667	0.000	0.000	0.831		

VOLUME

Telegraph Ave Bet. 40th St & 41st St

Day: Friday

City: Oakland

Date: 10/21/2016

Project #: CA16_7684_001n

DAILY TOTALS					NB	SB						EB	WB	Total	
					9,651	9,657						0	0	19,308	
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL			
00:00	42	42	0	0	84		12:00	179	155	0	0	334			
00:15	31	39	0	0	70		12:15	167	135	0	0	302			
00:30	30	30	0	0	60		12:30	171	158	0	0	329			
00:45	16	119	27	138	0	0	12:45	164	681	163	611	0	0	327	1292
01:00	18	27	0	0	45		13:00	153	144	0	0	297			
01:15	20	22	0	0	42		13:15	173	168	0	0	341			
01:30	21	20	0	0	41		13:30	138	196	0	0	334			
01:45	16	75	26	95	0	0	13:45	171	635	156	664	0	0	327	1299
02:00	10	17	0	0	27		14:00	145	152	0	0	297			
02:15	17	23	0	0	40		14:15	177	180	0	0	357			
02:30	12	9	0	0	21		14:30	157	172	0	0	329			
02:45	2	41	13	62	0	0	14:45	172	651	165	669	0	0	337	1320
03:00	7	7	0	0	14		15:00	183	187	0	0	370			
03:15	8	8	0	0	16		15:15	187	138	0	0	325			
03:30	4	13	0	0	17		15:30	194	140	0	0	334			
03:45	13	32	10	38	0	0	15:45	177	741	168	633	0	0	345	1374
04:00	7	10	0	0	17		16:00	210	163	0	0	373			
04:15	10	13	0	0	23		16:15	163	169	0	0	332			
04:30	8	14	0	0	22		16:30	207	178	0	0	385			
04:45	16	41	19	56	0	0	16:45	204	784	145	655	0	0	349	1439
05:00	23	19	0	0	42		17:00	189	158	0	0	347			
05:15	11	27	0	0	38		17:15	188	164	0	0	352			
05:30	23	29	0	0	52		17:30	183	137	0	0	320			
05:45	30	87	39	114	0	0	17:45	186	746	174	633	0	0	360	1379
06:00	26	39	0	0	65		18:00	164	153	0	0	317			
06:15	35	41	0	0	76		18:15	126	146	0	0	272			
06:30	42	58	0	0	100		18:30	132	129	0	0	261			
06:45	51	154	71	209	0	0	18:45	145	567	143	571	0	0	288	1138
07:00	59	79	0	0	138		19:00	145	129	0	0	274			
07:15	78	93	0	0	171		19:15	123	151	0	0	274			
07:30	101	102	0	0	203		19:30	131	138	0	0	269			
07:45	111	349	123	397	0	0	19:45	118	517	107	525	0	0	225	1042
08:00	123	113	0	0	236		20:00	121	115	0	0	236			
08:15	117	158	0	0	275		20:15	92	85	0	0	177			
08:30	118	159	0	0	277		20:30	88	96	0	0	184			
08:45	111	469	169	599	0	0	20:45	89	390	103	399	0	0	192	789
09:00	117	129	0	0	246		21:00	96	98	0	0	194			
09:15	130	174	0	0	304		21:15	82	83	0	0	165			
09:30	143	121	0	0	264		21:30	94	73	0	0	167			
09:45	153	543	133	557	0	0	21:45	83	355	89	343	0	0	172	698
10:00	130	137	0	0	267		22:00	81	78	0	0	159			
10:15	125	147	0	0	272		22:15	103	81	0	0	184			
10:30	135	124	0	0	259		22:30	79	77	0	0	156			
10:45	136	526	154	562	0	0	22:45	62	325	65	301	0	0	127	626
11:00	131	119	0	0	250		23:00	61	73	0	0	134			
11:15	141	161	0	0	302		23:15	56	63	0	0	119			
11:30	143	150	0	0	293		23:30	77	68	0	0	145			
11:45	160	575	137	567	0	0	23:45	54	248	55	259	0	0	109	507
TOTALS	3011	3394			6405		TOTALS	6640	6263			12903			
SPLIT %	47.0%	53.0%			33.2%		SPLIT %	51.5%	48.5%			66.8%			

DAILY TOTALS					NB	SB						EB	WB	Total	
					9,651	9,657						0	0	19,308	
AM Peak Hour	11:45	08:30			11:45		PM Peak Hour	16:30	14:15					16:00	
AM Pk Volume	677	631			1262		PM Pk Volume	788	704					1439	
Pk Hr Factor	0.946	0.907			0.945		Pk Hr Factor	0.952	0.941					0.934	
7 - 9 Volume	818	996	0	0	1814		4 - 6 Volume	1530	1288	0	0			2818	
7 - 9 Peak Hour	07:45	08:00			08:00		4 - 6 Peak Hour	16:30	16:00					16:00	
7 - 9 Pk Volume	469	599	0	0	1068		4 - 6 Pk Volume	788	655	0	0			1439	
Pk Hr Factor	0.953	0.886	0.000	0.000	0.954		Pk Hr Factor	0.952	0.920	0.000	0.000			0.934	

BICYCLE VOLUME

Telegraph Ave Bet. 40th St & 41st St

Day: Friday

Date: 10/21/2016

City: Oakland

Project #: CA16_7684_001n

DAILY TOTALS					NB	SB	EBWB					Total
					576	659						0
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL	
0:00	1	2			3	12:00	11	6			17	
0:15	3	2			5	12:15	10	6			16	
0:30	0	2			2	12:30	1	8			9	
0:45	0	4	2	8	212	12:45	6	28	8	28	1456	
1:00	1	2			3	13:00	6	4			10	
1:15	1	2			3	13:15	3	7			10	
1:30	3	0			3	13:30	5	6			11	
1:45	0	5	1	5	110	13:45	13	27	7	24	2051	
2:00	0	0			0	14:00	8	9			17	
2:15	1	2			3	14:15	6	8			14	
2:30	0	0			0	14:30	5	10			15	
2:45	0	1	0	2	03	14:45	6	25	8	35	1460	
3:00	0	1			1	15:00	6	2			8	
3:15	0	0			0	15:15	4	9			13	
3:30	0	0			0	15:30	8	12			20	
3:45	1	1	0	1	12	15:45	4	22	10	33	1455	
4:00	1	2			3	16:00	12	10			22	
4:15	0	1			1	16:15	10	7			17	
4:30	0	2			2	16:30	13	8			21	
4:45	0	1	0	5	06	16:45	12	47	7	32	1979	
5:00	0	1			1	17:00	23	9			32	
5:15	1	1			2	17:15	24	11			35	
5:30	0	0			0	17:30	15	8			23	
5:45	1	2	2	4	36	17:45	14	76	9	37	23113	
6:00	0	1			1	18:00	15	6			21	
6:15	1	5			6	18:15	23	19			42	
6:30	2	9			11	18:30	15	11			26	
6:45	2	5	10	25	1230	18:45	11	64	7	43	18107	
7:00	3	16			19	19:00	21	14			35	
7:15	2	12			14	19:15	6	10			16	
7:30	5	15			20	19:30	13	3			16	
7:45	10	20	10	53	2073	19:45	6	46	6	33	1279	
8:00	6	17			23	20:00	11	5			16	
8:15	13	18			31	20:15	6	9			15	
8:30	6	21			27	20:30	9	7			16	
8:45	10	35	26	82	36117	20:45	5	31	7	28	1259	
9:00	8	21			29	21:00	3	2			5	
9:15	3	13			16	21:15	7	7			14	
9:30	5	13			18	21:30	4	5			9	
9:45	8	24	11	58	1982	21:45	11	25	7	21	1846	
10:00	3	8			11	22:00	5	7			12	
10:15	8	4			12	22:15	5	7			12	
10:30	6	7			13	22:30	10	6			16	
10:45	8	25	3	22	1147	22:45	2	22	4	24	646	
11:00	3	9			12	23:00	6	7			13	
11:15	5	12			17	23:15	3	5			8	
11:30	4	10			14	23:30	5	0			5	
11:45	11	23	7	38	1861	23:45	3	17	6	18	935	
TOTALS	146	303			449	TOTALS	430	356			786	
SPLIT %	32.5%	67.5%			36.4%	SPLIT %	54.7%	45.3%			63.6%	

DAILY TOTALS					NB	SB	EBWB					Total
					576	659						0
AM Peak Hour	8:15	8:15			8:15		PM Peak Hour	17:00	18:15			18:15
AM Pk Volume	37	86			123		PM Pk Volume	76	51			121
Pk Hr Factor	0.712	0.827			0.854		Pk Hr Factor	0.792	0.671			0.720
7 - 9 Volume	55	135	0	0	190		4 - 6 Volume	123	69	0	0	192
7 - 9 Peak Hour	7:45	8:00			8:00		4 - 6 Peak Hour	17:00	17:00			17:00
7 - 9 Pk Volume	35	82	0	0	117		4 - 6 Pk Volume	76	37	0	0	113
Pk Hr Factor	0.673	0.788	0.000	0.000	0.813		Pk Hr Factor	0.792	0.841	0.000	0.000	0.807

PEDESTRIAN VOLUME

Telegraph Ave Bet. 40th St & 41st St

Day: Friday

Date: 10/21/2016

City: Oakland

Project #: CA16_7684_001n

DAILY TOTALS					NB	SB	EB					WB	Total
					1,742	1,755						0	0
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL		
0:00	8	1			9	12:00	14	17			31		
0:15	5	3			8	12:15	15	19			34		
0:30	2	1			3	12:30	21	18			39		
0:45	3	18	0	5	3	12:45	15	65	13	67	28		
1:00	0	3			3	13:00	23	20			43		
1:15	1	0			1	13:15	22	19			41		
1:30	3	3			6	13:30	11	22			33		
1:45	0	4	2	8	2	13:45	15	71	14	75	29		
2:00	1	0			1	14:00	20	16			36		
2:15	5	0			5	14:15	47	15			62		
2:30	0	1			1	14:30	22	21			43		
2:45	2	8	0	1	2	14:45	18	107	10	62	28		
3:00	1	3			4	15:00	31	22			53		
3:15	0	0			0	15:15	28	33			61		
3:30	0	0			0	15:30	25	32			57		
3:45	0	1	0	3	0	15:45	12	96	27	114	39		
4:00	0	4			4	16:00	14	20			34		
4:15	1	1			2	16:15	25	15			40		
4:30	1	0			1	16:30	35	25			60		
4:45	2	4	4	9	6	16:45	40	114	25	85	65		
5:00	2	7			9	17:00	33	27			60		
5:15	1	4			5	17:15	68	29			97		
5:30	1	3			4	17:30	57	20			77		
5:45	1	5	2	16	3	17:45	64	222	30	106	94		
6:00	2	3			5	18:00	72	38			110		
6:15	1	12			13	18:15	62	33			95		
6:30	1	11			12	18:30	46	28			74		
6:45	6	10	16	42	22	18:45	57	237	26	125	83		
7:00	10	29			39	19:00	69	32			101		
7:15	5	32			37	19:15	49	22			71		
7:30	11	38			49	19:30	51	32			83		
7:45	27	53	46	145	73	19:45	23	192	20	106	43		
8:00	20	60			80	20:00	28	21			49		
8:15	18	56			74	20:15	31	14			45		
8:30	16	53			69	20:30	32	18			50		
8:45	16	70	37	206	53	20:45	25	116	8	61	33		
9:00	12	51			63	21:00	11	18			29		
9:15	12	86			98	21:15	32	12			44		
9:30	25	38			63	21:30	11	9			20		
9:45	14	63	30	205	44	21:45	12	66	20	59	32		
10:00	14	22			36	22:00	8	21			29		
10:15	18	28			46	22:15	21	11			32		
10:30	10	17			27	22:30	8	12			20		
10:45	25	67	17	84	42	22:45	13	50	16	60	29		
11:00	10	24			34	23:00	11	5			16		
11:15	14	15			29	23:15	8	17			25		
11:30	20	16			36	23:30	14	3			17		
11:45	16	60	18	73	34	23:45	10	43	13	38	23		
TOTALS	363	797			1160	TOTALS	1379	958			2337		
SPLIT %	31.3%	68.7%			33.2%	SPLIT %	59.0%	41.0%			66.8%		

DAILY TOTALS					NB	SB	EB	WB	Total
					1,742	1,755	0	0	3,497
AM Peak Hour	7:45	8:30		7:45	PM Peak Hour	17:15	17:45		17:15
AM Pk Volume	81	227		296	PM Pk Volume	261	129		378
Pk Hr Factor	0.750	0.660		0.925	Pk Hr Factor	0.906	0.849		0.859
7 - 9 Volume	123	351	0	0	4 - 6 Volume	336	191	0	0
7 - 9 Peak Hour	7:45	7:45		7:45	4 - 6 Peak Hour	17:00	16:30		17:00
7 - 9 Pk Volume	81	215	0	0	4 - 6 Pk Volume	222	106	0	0
Pk Hr Factor	0.750	0.896	0.000	0.000	Pk Hr Factor	0.816	0.914	0.000	0.000

VOLUME

Telegraph Ave Bet. 26th St & 27th St

Day: Friday

Date: 9/30/2016

City: Oakland

Project #: CA16_7684_002n

DAILY TOTALS						NB	SB	EB						WB	Total
						7,582	7,320							0	0
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL				
00:00	33	21	0	0	54	12:00	113	118	0	0	231				
00:15	25	28	0	0	53	12:15	111	116	0	0	227				
00:30	34	20	0	0	54	12:30	124	124	0	0	248				
00:45	20	112	12	81	0	12:45	116	464	115	473	0	0	231	937	
01:00	19	11	0	0	30	13:00	119	125	0	0	244				
01:15	22	9	0	0	31	13:15	130	130	0	0	260				
01:30	19	21	0	0	40	13:30	116	103	0	0	219				
01:45	22	82	21	62	0	13:45	150	515	96	454	0	0	246	969	
02:00	16	16	0	0	32	14:00	120	109	0	0	229				
02:15	9	16	0	0	25	14:15	110	104	0	0	214				
02:30	7	7	0	0	14	14:30	137	118	0	0	255				
02:45	11	43	10	49	0	14:45	121	488	123	454	0	0	244	942	
03:00	7	6	0	0	13	15:00	125	112	0	0	237				
03:15	5	6	0	0	11	15:15	145	127	0	0	272				
03:30	6	12	0	0	18	15:30	124	134	0	0	258				
03:45	8	26	4	28	0	15:45	128	522	133	506	0	0	261	1028	
04:00	4	9	0	0	13	16:00	115	126	0	0	241				
04:15	10	7	0	0	17	16:15	141	143	0	0	284				
04:30	8	11	0	0	19	16:30	129	130	0	0	259				
04:45	8	30	12	39	0	16:45	132	517	144	543	0	0	276	1060	
05:00	10	17	0	0	27	17:00	144	143	0	0	287				
05:15	19	16	0	0	35	17:15	125	131	0	0	256				
05:30	15	21	0	0	36	17:30	126	104	0	0	230				
05:45	23	67	21	75	0	17:45	138	533	136	514	0	0	274	1047	
06:00	25	26	0	0	51	18:00	126	111	0	0	237				
06:15	28	28	0	0	56	18:15	127	119	0	0	246				
06:30	32	46	0	0	78	18:30	128	117	0	0	245				
06:45	49	134	46	146	0	18:45	107	488	112	459	0	0	219	947	
07:00	38	45	0	0	83	19:00	100	109	0	0	209				
07:15	45	54	0	0	99	19:15	107	120	0	0	227				
07:30	63	51	0	0	114	19:30	106	143	0	0	249				
07:45	96	242	71	221	0	19:45	111	424	117	489	0	0	228	913	
08:00	88	84	0	0	172	20:00	112	102	0	0	214				
08:15	91	81	0	0	172	20:15	84	101	0	0	185				
08:30	104	88	0	0	192	20:30	113	69	0	0	182				
08:45	82	365	110	363	0	20:45	89	398	83	355	0	0	172	753	
09:00	83	97	0	0	180	21:00	92	96	0	0	188				
09:15	93	96	0	0	189	21:15	84	66	0	0	150				
09:30	118	92	0	0	210	21:30	87	72	0	0	159				
09:45	96	390	100	385	0	21:45	98	361	67	301	0	0	165	662	
10:00	114	107	0	0	221	22:00	72	76	0	0	148				
10:15	111	94	0	0	205	22:15	75	84	0	0	159				
10:30	105	110	0	0	215	22:30	62	60	0	0	122				
10:45	111	441	116	427	0	22:45	60	269	55	275	0	0	115	544	
11:00	132	110	0	0	242	23:00	58	41	0	0	99				
11:15	92	104	0	0	196	23:15	63	37	0	0	100				
11:30	107	112	0	0	219	23:30	60	48	0	0	108				
11:45	104	435	121	447	0	23:45	55	236	48	174	0	0	103	410	
TOTALS	2367	2323			4690	TOTALS	5215	4997			10212				
SPLIT %	50.5%	49.5%			31.5%	SPLIT %	51.1%	48.9%			68.5%				

DAILY TOTALS					NB	SB						EB	WB	Total	
					7,582	7,320						0	0	14,902	
AM Peak Hour	10:15	11:45			11:45	PM Peak Hour	16:15	16:15			16:15				
AM Pk Volume	459	479			931	PM Pk Volume	546	560			1106				
Pk Hr Factor	0.869	0.966			0.939	Pk Hr Factor	0.948	0.972			0.963				
7 - 9 Volume	607	584	0	0	1191	4 - 6 Volume	1050	1057	0	0	2107				
7 - 9 Peak Hour	07:45	08:00			08:00	4 - 6 Peak Hour	16:15	16:15			16:15				
7 - 9 Pk Volume	379	363	0	0	728	4 - 6 Pk Volume	546	560	0	0	1106				
Pk Hr Factor	0.911	0.825	0.000	0.000	0.948	Pk Hr Factor	0.948	0.972	0.000	0.000	0.963				

BICYCLE VOLUME

Telegraph Ave Bet. 26th St & 27th St

Day: Friday

Date: 9/30/2016

City: Oakland

Project #: CA16_7684_002n

DAILY TOTALS					NB	SB	EB					WB	Total
					613	642						0	0
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL		
0:00	3	2			5	12:00	2	6			8		
0:15	2	4			6	12:15	9	9			18		
0:30	2	0			2	12:30	2	2			4		
0:45	5	12	0	6	5	12:45	5	18	6	23	11	41	
1:00	0	2			2	13:00	7	5			12		
1:15	3	1			4	13:15	5	4			9		
1:30	1	1			2	13:30	4	9			13		
1:45	0	4	1	5	1	13:45	8	24	6	24	14	48	
2:00	2	0			2	14:00	12	6			18		
2:15	0	0			0	14:15	11	4			15		
2:30	1	0			1	14:30	5	4			9		
2:45	1	4	1	1	2	14:45	12	40	12	26	24	66	
3:00	1	0			1	15:00	10	6			16		
3:15	0	0			0	15:15	9	8			17		
3:30	0	0			0	15:30	8	6			14		
3:45	0	1	2	2	2	15:45	10	37	6	26	16	63	
4:00	0	0			0	16:00	16	11			27		
4:15	0	2			2	16:15	16	11			27		
4:30	1	2			3	16:30	14	8			22		
4:45	1	2	0	4	1	16:45	14	60	12	42	26	102	
5:00	0	0			0	17:00	14	6			20		
5:15	0	0			0	17:15	31	10			41		
5:30	0	0			0	17:30	28	10			38		
5:45	1	1	1	1	2	17:45	15	88	10	36	25	124	
6:00	0	4			4	18:00	27	15			42		
6:15	0	1			1	18:15	18	13			31		
6:30	1	3			4	18:30	24	10			34		
6:45	1	2	5	13	6	18:45	18	87	8	46	26	133	
7:00	0	8			8	19:00	7	5			12		
7:15	6	8			14	19:15	9	5			14		
7:30	1	12			13	19:30	9	8			17		
7:45	2	9	15	43	17	19:45	8	33	7	25	15	58	
8:00	5	14			19	20:00	10	6			16		
8:15	4	18			22	20:15	5	11			16		
8:30	4	29			33	20:30	8	3			11		
8:45	5	18	30	91	35	20:45	7	30	7	27	14	57	
9:00	2	24			26	21:00	7	2			9		
9:15	3	24			27	21:15	9	13			22		
9:30	9	13			22	21:30	4	4			8		
9:45	6	20	14	75	20	21:45	7	27	9	28	16	55	
10:00	3	10			13	22:00	8	3			11		
10:15	4	8			12	22:15	5	5			10		
10:30	1	9			10	22:30	5	1			6		
10:45	5	13	10	37	15	22:45	6	24	2	11	8	35	
11:00	7	5			12	23:00	7	5			12		
11:15	8	10			18	23:15	6	5			11		
11:30	10	11			21	23:30	5	2			7		
11:45	7	32	10	36	17	23:45	9	27	2	14	11	41	
TOTALS	118	314			432	TOTALS	495	328			823		
SPLIT %	27.3%	72.7%			34.4%	SPLIT %	60.1%	39.9%			65.6%		

DAILY TOTALS					NB	SB					Total
					613	642					1,255
AM Peak Hour	11:00	8:30		8:30	PM Peak Hour	17:15	17:30		17:15		
AM Pk Volume	32	107		121	PM Pk Volume	101	48		146		
Pk Hr Factor	0.800	0.892		0.864	Pk Hr Factor	0.815	0.800		0.869		
7 - 9 Volume	27	134	0	0	4 - 6 Volume	148	78	0	0		226
7 - 9 Peak Hour	8:00	8:00		8:00	4 - 6 Peak Hour	17:00	16:00		16:45		
7 - 9 Pk Volume	18	91	0	0	4 - 6 Pk Volume	88	42	0	0		125
Pk Hr Factor	0.900	0.758	0.000	0.000	Pk Hr Factor	0.710	0.875	0.000	0.000		0.762

PEDESTRIAN VOLUME

Telegraph Ave Bet. 26th St & 27th St

Day: Friday

Date: 9/30/2016

City: Oakland

Project #: CA16_7684_002

DAILY TOTALS					NB	SB					EB	WB	Total
					1,041	1,000					0	0	2,041
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL		
00:00	4	1			5	12:00	16	18			34		
00:15	8	2			10	12:15	16	20			36		
00:30	1	2			3	12:30	19	7			26		
00:45	1	14	2	7	3	12:45	15	66	19	64	34	130	
01:00	1	0			1	13:00	19	17			36		
01:15	3	0			3	13:15	20	12			32		
01:30	3	1			4	13:30	12	15			27		
01:45	2	9	2	3	4	13:45	14	65	21	65	35	130	
02:00	0	1			1	14:00	6	22			28		
02:15	3	2			5	14:15	23	14			37		
02:30	0	0			0	14:30	17	21			38		
02:45	1	4	1	4	2	14:45	12	58	19	76	31	134	
03:00	0	0			0	15:00	18	21			39		
03:15	0	0			0	15:15	10	22			32		
03:30	0	0			0	15:30	17	14			31		
03:45	0	1	1		1	15:45	14	59	13	70	27	129	
04:00	1	0			1	16:00	21	17			38		
04:15	0	1			1	16:15	12	25			37		
04:30	0	1			1	16:30	15	20			35		
04:45	3	4	0	2	3	16:45	19	67	17	79	36	146	
05:00	0	3			3	17:00	22	32			54		
05:15	0	0			0	17:15	22	10			32		
05:30	1	0			1	17:30	25	27			52		
05:45	1	2	2	5	3	17:45	26	95	7	76	33	171	
06:00	0	3			3	18:00	17	20			37		
06:15	1	1			2	18:15	14	26			40		
06:30	1	3			4	18:30	23	17			40		
06:45	1	3	1	8	2	18:45	23	77	14	77	37	154	
07:00	3	5			8	19:00	20	21			41		
07:15	3	3			6	19:15	21	10			31		
07:30	0	11			11	19:30	20	15			35		
07:45	3	9	13	32	16	19:45	31	92	8	54	39	146	
08:00	1	14			15	20:00	17	11			28		
08:15	9	11			20	20:15	20	17			37		
08:30	10	13			23	20:30	15	15			30		
08:45	12	32	12	50	24	20:45	20	72	16	59	36	131	
09:00	8	10			18	21:00	20	18			38		
09:15	6	10			16	21:15	18	8			26		
09:30	5	9			14	21:30	12	12			24		
09:45	7	26	15	44	22	21:45	13	63	13	51	26	114	
10:00	11	12			23	22:00	16	6			22		
10:15	6	16			22	22:15	14	17			31		
10:30	10	10			20	22:30	5	9			14		
10:45	9	36	14	52	23	22:45	19	54	8	40	27	94	
11:00	3	9			12	23:00	27	11			38		
11:15	13	12			25	23:15	27	7			34		
11:30	7	15			22	23:30	17	4			21		
11:45	29	52	14	50	43	23:45	11	82	9	31	20	113	
TOTALS	191	258			449	TOTALS	850	742			1592		
SPLIT %	42.5%	57.5%			22.0%	SPLIT %	53.4%	46.6%			78.0%		

DAILY TOTALS					NB	SB					EB	WB	Total
					1,041	1,000					0	0	2,041
AM Peak Hour	11:45	11:30			11:45	PM Peak Hour	17:00	16:15			16:45		
AM Pk Volume	80	67			139	PM Pk Volume	95	94			174		
Pk Hr Factor	0.690	0.838			0.808	Pk Hr Factor	0.913	0.734			0.806		
7 - 9 Volume	41	82	0	0	123	4 - 6 Volume	162	155	0	0	317		
7 - 9 Peak Hour	08:00	07:45			08:00	4 - 6 Peak Hour	17:00	16:15			16:45		
7 - 9 Pk Volume	32	51	0	0	82	4 - 6 Pk Volume	95	94	0	0	174		
Pk Hr Factor	0.667	0.911	0.000	0.000	0.854	Pk Hr Factor	0.913	0.734	0.000	0.000	0.806		

VOLUME

Telegraph Ave Bet. 40th St & 41st St

Day: Saturday
Date: 10/22/2016City: Oakland
Project #: CA16_7684_001n

DAILY TOTALS					NB	SB						EB	WB	Total	
					7,759	8,212						0	0	15,971	
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL			
00:00	59	66	0	0	125		12:00	157	142	0	0	299			
00:15	44	56	0	0	100		12:15	144	132	0	0	276			
00:30	48	39	0	0	87		12:30	118	134	0	0	252			
00:45	35	186	44	205	0	0	12:45	163	582	125	533	0	0	288	1115
01:00	47	41	0	0	88		13:00	147	138	0	0	285			
01:15	22	48	0	0	70		13:15	137	154	0	0	291			
01:30	27	34	0	0	61		13:30	120	149	0	0	269			
01:45	42	138	31	154	0	0	13:45	151	555	135	576	0	0	286	1131
02:00	35	37	0	0	72		14:00	143	156	0	0	299			
02:15	25	39	0	0	64		14:15	146	160	0	0	306			
02:30	20	24	0	0	44		14:30	132	173	0	0	305			
02:45	21	101	19	119	0	0	14:45	129	550	137	626	0	0	266	1176
03:00	13	14	0	0	27		15:00	127	143	0	0	270			
03:15	6	8	0	0	14		15:15	122	157	0	0	279			
03:30	21	15	0	0	36		15:30	150	132	0	0	282			
03:45	12	52	15	52	0	0	15:45	134	533	140	572	0	0	274	1105
04:00	14	9	0	0	23		16:00	148	137	0	0	285			
04:15	14	6	0	0	20		16:15	144	134	0	0	278			
04:30	6	15	0	0	21		16:30	155	129	0	0	284			
04:45	10	44	14	44	0	0	16:45	123	570	180	580	0	0	303	1150
05:00	15	8	0	0	23		17:00	114	111	0	0	225			
05:15	22	17	0	0	39		17:15	108	124	0	0	232			
05:30	8	15	0	0	23		17:30	146	131	0	0	277			
05:45	26	71	20	60	0	0	17:45	109	477	125	491	0	0	234	968
06:00	21	22	0	0	43		18:00	121	129	0	0	250			
06:15	26	22	0	0	48		18:15	117	146	0	0	263			
06:30	21	22	0	0	43		18:30	119	137	0	0	256			
06:45	24	92	43	109	0	0	18:45	118	475	122	534	0	0	240	1009
07:00	33	22	0	0	55		19:00	107	110	0	0	217			
07:15	29	32	0	0	61		19:15	107	120	0	0	227			
07:30	45	46	0	0	91		19:30	89	108	0	0	197			
07:45	49	156	67	167	0	0	19:45	88	391	97	435	0	0	185	826
08:00	47	53	0	0	100		20:00	110	93	0	0	203			
08:15	61	60	0	0	121		20:15	85	96	0	0	181			
08:30	66	65	0	0	131		20:30	102	96	0	0	198			
08:45	80	254	86	264	0	0	20:45	78	375	77	362	0	0	155	737
09:00	78	73	0	0	151		21:00	71	90	0	0	161			
09:15	81	83	0	0	164		21:15	97	95	0	0	192			
09:30	91	101	0	0	192		21:30	79	98	0	0	177			
09:45	92	342	129	386	0	0	21:45	70	317	65	348	0	0	135	665
10:00	114	127	0	0	241		22:00	90	71	0	0	161			
10:15	103	140	0	0	243		22:15	75	85	0	0	160			
10:30	118	126	0	0	244		22:30	66	76	0	0	142			
10:45	128	463	142	535	0	0	22:45	59	290	58	290	0	0	117	580
11:00	113	136	0	0	249		23:00	54	66	0	0	120			
11:15	146	111	0	0	257		23:15	64	45	0	0	109			
11:30	133	129	0	0	262		23:30	53	61	0	0	114			
11:45	137	529	164	540	0	0	23:45	45	216	58	230	0	0	103	446
TOTALS	2428	2635			5063		TOTALS	5331	5577			10908			
SPLIT %	48.0%	52.0%			31.7%		SPLIT %	48.9%	51.1%			68.3%			

DAILY TOTALS					NB	SB						EB	WB	Total	
					7,759	8,212						0	0	15,971	
AM Peak Hour	11:15	11:45			11:30		PM Peak Hour	12:00	14:00			13:45			
AM Pk Volume	573	572			1138		PM Pk Volume	582	626			1196			
Pk Hr Factor	0.912	0.872			0.945		Pk Hr Factor	0.893	0.905			0.977			
7 - 9 Volume	410	431	0	0	841		4 - 6 Volume	1047	1071	0	0	2118			
7 - 9 Peak Hour	08:00	08:00			08:00		4 - 6 Peak Hour	16:00	16:00			16:00			
7 - 9 Pk Volume	254	264	0	0	518		4 - 6 Pk Volume	570	580	0	0	1150			
Pk Hr Factor	0.794	0.767	0.000	0.000	0.780		Pk Hr Factor	0.919	0.806	0.000	0.000	0.949			

BICYCLE VOLUME

Telegraph Ave Bet. 40th St & 41st St

Day: Saturday
Date: 10/22/2016City: Oakland
Project #: CA16_7684_001n

DAILY TOTALS					NB	SB					EB	WB	Total
					460	464					0	0	924
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL		
0:00	8	3			11	12:00	5	7			12		
0:15	5	1			6	12:15	12	7			19		
0:30	0	7			7	12:30	9	5			14		
0:45	4	17	3	14	7	12:45	8	34	8	27	16	61	
1:00	3	2			5	13:00	5	7			12		
1:15	1	3			4	13:15	9	11			20		
1:30	0	4			4	13:30	10	14			24		
1:45	1	5	0	9	1	13:45	16	40	8	40	24	80	
2:00	4	4			8	14:00	8	13			21		
2:15	1	3			4	14:15	9	6			15		
2:30	0	1			1	14:30	0	12			12		
2:45	0	5	0	8	0	14:45	9	26	10	41	19	67	
3:00	0	0			0	15:00	4	8			12		
3:15	0	0			0	15:15	6	14			20		
3:30	3	1			4	15:30	9	15			24		
3:45	0	3	0	1	0	15:45	2	21	12	49	14	70	
4:00	1	1			2	16:00	6	10			16		
4:15	0	0			0	16:15	8	8			16		
4:30	0	0			0	16:30	14	8			22		
4:45	0	1	1	2	1	16:45	6	34	10	36	16	70	
5:00	2	1			3	17:00	7	3			10		
5:15	1	0			1	17:15	15	3			18		
5:30	1	0			1	17:30	11	7			18		
5:45	0	4	0	1	0	17:45	12	45	9	22	21	67	
6:00	1	1			2	18:00	7	6			13		
6:15	1	1			2	18:15	11	8			19		
6:30	1	0			1	18:30	7	5			12		
6:45	1	4	2	4	3	18:45	7	32	3	22	10	54	
7:00	3	2			5	19:00	4	4			8		
7:15	1	1			2	19:15	7	4			11		
7:30	3	4			7	19:30	16	3			19		
7:45	14	21	6	13	20	19:45	5	32	3	14	8	46	
8:00	1	3			4	20:00	4	6			10		
8:15	3	8			11	20:15	3	1			4		
8:30	5	5			10	20:30	3	3			6		
8:45	6	15	9	25	15	20:45	4	14	8	18	12	32	
9:00	1	7			8	21:00	1	4			5		
9:15	8	6			14	21:15	2	2			4		
9:30	6	3			9	21:30	1	3			4		
9:45	7	22	7	23	14	21:45	2	6	8	17	10	23	
10:00	1	6			7	22:00	1	6			7		
10:15	7	4			11	22:15	5	6			11		
10:30	6	4			10	22:30	1	4			5		
10:45	4	18	9	23	13	22:45	5	12	4	20	9	32	
11:00	13	9			22	23:00	5	1			6		
11:15	3	4			7	23:15	4	1			5		
11:30	10	10			20	23:30	4	3			7		
11:45	8	34	6	29	14	23:45	2	15	1	6	3	21	
TOTALS	149	152			301	TOTALS	311	312			623		
SPLIT %	49.5%	50.5%			32.6%	SPLIT %	49.9%	50.1%			67.4%		

DAILY TOTALS					NB	SB					EB	WB	Total
					460	464					0	0	924
AM Peak Hour	11:30	10:45			11:30	PM Peak Hour	17:00	15:15			13:15		
AM Pk Volume	35	32			65	PM Pk Volume	45	51			89		
Pk Hr Factor	0.729	0.800			0.813	Pk Hr Factor	0.750	0.850			0.927		
7 - 9 Volume	36	38	0	0	74	4 - 6 Volume	79	58	0	0	137		
7 - 9 Peak Hour	7:45	8:00			7:45	4 - 6 Peak Hour	17:00	16:00			16:00		
7 - 9 Pk Volume	23	25	0	0	45	4 - 6 Pk Volume	45	36	0	0	70		
Pk Hr Factor	0.411	0.694	0.000	0.000	0.563	Pk Hr Factor	0.750	0.900	0.000	0.000	0.795		

PEDESTRIAN VOLUME

Telegraph Ave Bet. 40th St & 41st St

Day: Saturday
Date: 10/22/2016City: Oakland
Project #: CA16_7684_001

DAILY TOTALS					NB	SB						EB	WB	Total	
					1,373	1,392						0	0	2,765	
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL			
00:00	10	11			21		12:00	23	20			43			
00:15	13	3			16		12:15	15	14			29			
00:30	5	5			10		12:30	27	10			37			
00:45	22	50	3	22	25	72	12:45	19	84	17	61	36	145		
01:00	0	3			3		13:00	16	25			41			
01:15	3	4			7		13:15	17	34			51			
01:30	1	3			4		13:30	16	27			43			
01:45	2	6	6	16	8	22	13:45	29	78	25	111	54	189		
02:00	3	3			6		14:00	32	22			54			
02:15	1	4			5		14:15	19	21			40			
02:30	0	2			2		14:30	21	27			48			
02:45	1	5	0	9	1	14	14:45	23	95	25	95	48	190		
03:00	3	4			7		15:00	22	24			46			
03:15	0	0			0		15:15	20	30			50			
03:30	0	0			0		15:30	23	22			45			
03:45	0	3	0	4	0	7	15:45	40	105	27	103	67	208		
04:00	1	1			2		16:00	32	29			61			
04:15	1	0			1		16:15	12	26			38			
04:30	0	0			0		16:30	32	28			60			
04:45	2	4	4	5	6	9	16:45	29	105	27	110	56	215		
05:00	4	5			9		17:00	44	23			67			
05:15	3	2			5		17:15	26	24			50			
05:30	0	1			1		17:30	25	25			50			
05:45	3	10	2	10	5	20	17:45	17	112	26	98	43	210		
06:00	1	1			2		18:00	31	35			66			
06:15	2	8			10		18:15	36	31			67			
06:30	5	4			9		18:30	29	23			52			
06:45	4	12	3	16	7	28	18:45	27	123	19	108	46	231		
07:00	5	7			12		19:00	23	27			50			
07:15	4	6			10		19:15	17	22			39			
07:30	6	4			10		19:30	23	23			46			
07:45	6	21	11	28	17	49	19:45	8	71	18	90	26	161		
08:00	6	14			20		20:00	16	18			34			
08:15	19	10			29		20:15	17	13			30			
08:30	9	6			15		20:30	20	8			28			
08:45	8	42	21	51	29	93	20:45	14	67	15	54	29	121		
09:00	13	20			33		21:00	23	12			35			
09:15	25	21			46		21:15	14	7			21			
09:30	21	26			47		21:30	5	17			22			
09:45	22	81	22	89	44	170	21:45	13	55	7	43	20	98		
10:00	14	15			29		22:00	12	8			20			
10:15	17	20			37		22:15	12	11			23			
10:30	15	32			47		22:30	12	13			25			
10:45	11	57	25	92	36	149	22:45	4	40	3	35	7	75		
11:00	23	29			52		23:00	17	15			32			
11:15	31	21			52		23:15	9	9			18			
11:30	20	32			52		23:30	15	4			19			
11:45	22	96	24	106	46	202	23:45	10	51	8	36	18	87		
TOTALS	387	448			835		TOTALS	986	944			1930			
SPLIT %	46.3%	53.7%			30.2%		SPLIT %	51.1%	48.9%			69.8%			

DAILY TOTALS					NB	SB						EB	WB	Total	
					1,373	1,392						0	0	2,765	
AM Peak Hour	11:00	10:30			11:00		PM Peak Hour	16:30	17:30			16:30			
AM Pk Volume	96	107			202		PM Pk Volume	131	117			233			
Pk Hr Factor	0.774	0.836			0.971		Pk Hr Factor	0.744	0.836			0.869			
7 - 9 Volume	63	79	0	0	142		4 - 6 Volume	217	208	0	0	425			
7 - 9 Peak Hour	08:00	08:00			08:00		4 - 6 Peak Hour	16:30	16:00			16:30			
7 - 9 Pk Volume	42	51	0	0	93		4 - 6 Pk Volume	131	110	0	0	233			
Pk Hr Factor	0.553	0.607	0.000	0.000	0.802		Pk Hr Factor	0.744	0.948	0.000	0.000	0.869			

VOLUME

Telegraph Ave Bet. 26th St & 27th St

Day: Saturday

Date: 10/22/2016

City: Oakland

Project #: CA16_7684_002n

DAILY TOTALS						NB	SB	EB						WB	Total
						6,649	6,598							0	0
AM Period	NB		SB		EB	WB	TOTAL	PM Period	NB		SB		EB	WB	TOTAL
00:00	64		38		0	0	102	12:00	99		99		0	0	198
00:15	56		48		0	0	104	12:15	87		93		0	0	180
00:30	56		37		0	0	93	12:30	99		114		0	0	213
00:45	47	223	34	157	0	0	81 380	12:45	112	397	109	415	0	0	221 812
01:00	34		39		0	0	73	13:00	110		119		0	0	229
01:15	54		29		0	0	83	13:15	112		98		0	0	210
01:30	48		30		0	0	78	13:30	98		113		0	0	211
01:45	42	178	28	126	0	0	70 304	13:45	105	425	107	437	0	0	212 862
02:00	47		30		0	0	77	14:00	118		93		0	0	211
02:15	29		27		0	0	56	14:15	116		122		0	0	238
02:30	29		26		0	0	55	14:30	120		123		0	0	243
02:45	20	125	17	100	0	0	37 225	14:45	111	465	111	449	0	0	222 914
03:00	15		8		0	0	23	15:00	113		141		0	0	254
03:15	16		10		0	0	26	15:15	102		128		0	0	230
03:30	14		15		0	0	29	15:30	95		107		0	0	202
03:45	13	58	10	43	0	0	23 101	15:45	99	409	120	496	0	0	219 905
04:00	6		5		0	0	11	16:00	87		112		0	0	199
04:15	9		8		0	0	17	16:15	105		106		0	0	211
04:30	12		7		0	0	19	16:30	92		113		0	0	205
04:45	11	38	11	31	0	0	22 69	16:45	113	397	117	448	0	0	230 845
05:00	9		9		0	0	18	17:00	119		128		0	0	247
05:15	11		8		0	0	19	17:15	113		120		0	0	233
05:30	9		9		0	0	18	17:30	95		125		0	0	220
05:45	11	40	14	40	0	0	25 80	17:45	101	428	96	469	0	0	197 897
06:00	18		13		0	0	31	18:00	108		122		0	0	230
06:15	19		13		0	0	32	18:15	122		120		0	0	242
06:30	22		10		0	0	32	18:30	122		125		0	0	247
06:45	23	82	20	56	0	0	43 138	18:45	110	462	158	525	0	0	268 987
07:00	18		15		0	0	33	19:00	97		163		0	0	260
07:15	20		23		0	0	43	19:15	124		124		0	0	248
07:30	24		20		0	0	44	19:30	118		102		0	0	220
07:45	24	86	29	87	0	0	53 173	19:45	99	438	118	507	0	0	217 945
08:00	27		41		0	0	68	20:00	107		96		0	0	203
08:15	43		40		0	0	83	20:15	78		90		0	0	168
08:30	47		44		0	0	91	20:30	93		84		0	0	177
08:45	52	169	58	183	0	0	110 352	20:45	87	365	82	352	0	0	169 717
09:00	51		68		0	0	119	21:00	73		77		0	0	150
09:15	74		65		0	0	139	21:15	98		75		0	0	173
09:30	64		50		0	0	114	21:30	85		77		0	0	162
09:45	84	273	94	277	0	0	178 550	21:45	73	329	53	282	0	0	126 611
10:00	67		74		0	0	141	22:00	68		55		0	0	123
10:15	88		92		0	0	180	22:15	66		47		0	0	113
10:30	85		104		0	0	189	22:30	67		64		0	0	131
10:45	74	314	86	356	0	0	160 670	22:45	78	279	54	220	0	0	132 499
11:00	98		81		0	0	179	23:00	107		40		0	0	147
11:15	100		97		0	0	197	23:15	60		40		0	0	100
11:30	94		96		0	0	190	23:30	47		43		0	0	90
11:45	106	398	96	370	0	0	202 768	23:45	57	271	49	172	0	0	106 443
TOTALS	1984		1826				3810	TOTALS	4665		4772				9437
SPLIT %	52.1%		47.9%				28.8%	SPLIT %	49.4%		50.6%				71.2%

DAILY TOTALS						NB	SB							Total
						6,649	6,598							13,247
AM Peak Hour	11:15	11:45			11:45	PM Peak Hour	14:00	18:30			18:30			
AM Pk Volume	399	402			793	PM Pk Volume	465	570			1023			
Pk Hr Factor	0.941	0.882			0.931	Pk Hr Factor	0.969	0.874			0.954			
7 - 9 Volume	255	270	0	0	525	4 - 6 Volume	825	917	0	0	1742			
7 - 9 Peak Hour	08:00	08:00			08:00	4 - 6 Peak Hour	16:45	16:45			16:45			
7 - 9 Pk Volume	169	183	0	0	352	4 - 6 Pk Volume	440	490	0	0	930			
Pk Hr Factor	0.813	0.789	0.000	0.000	0.800	Pk Hr Factor	0.924	0.957	0.000	0.000	0.941			

BICYCLE VOLUME

Telegraph Ave Bet. 26th St & 27th St

Day: Saturday
Date: 10/22/2016City: Oakland
Project #: CA16_7684_002n

DAILY TOTALS					NB	SB						EB	WB	Total	
					523	501						0	0	1,024	
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL			
0:00	7	4			11		12:00	7	8			15			
0:15	13	0			13		12:15	10	7			17			
0:30	7	4			11		12:30	5	6			11			
0:45	3	30	2	10	5	40	12:45	8	30	2	23	10	53		
1:00	2	2			4		13:00	7	6			13			
1:15	1	0			1		13:15	6	6			12			
1:30	1	2			3		13:30	11	12			23			
1:45	3	7	0	4	3	11	13:45	8	32	8	32	16	64		
2:00	5	2			7		14:00	8	10			18			
2:15	4	1			5		14:15	6	7			13			
2:30	1	4			5		14:30	7	15			22			
2:45	0	10	0	7	0	17	14:45	6	27	10	42	16	69		
3:00	2	0			2		15:00	7	14			21			
3:15	1	0			1		15:15	10	10			20			
3:30	1	0			1		15:30	6	11			17			
3:45	0	4	0		0	4	15:45	11	34	17	52	28	86		
4:00	0	1			1		16:00	11	13			24			
4:15	0	0			0		16:15	9	8			17			
4:30	1	0			1		16:30	15	10			25			
4:45	0	1	1	2	1	3	16:45	9	44	13	44	22	88		
5:00	0	0			0		17:00	16	9			25			
5:15	0	0			0		17:15	14	7			21			
5:30	0	3			3		17:30	16	11			27			
5:45	1	1	0	3	1	4	17:45	10	56	11	38	21	94		
6:00	0	1			1		18:00	7	5			12			
6:15	4	3			7		18:15	16	12			28			
6:30	0	1			1		18:30	11	6			17			
6:45	1	5	0	5	1	10	18:45	5	39	2	25	7	64		
7:00	0	1			1		19:00	7	4			11			
7:15	1	0			1		19:15	10	11			21			
7:30	2	1			3		19:30	9	14			23			
7:45	3	6	4	6	7	12	19:45	7	33	10	39	17	72		
8:00	2	5			7		20:00	4	9			13			
8:15	1	5			6		20:15	9	5			14			
8:30	2	8			10		20:30	1	2			3			
8:45	2	7	6	24	8	31	20:45	7	21	6	22	13	43		
9:00	2	2			4		21:00	9	3			12			
9:15	7	2			9		21:15	7	5			12			
9:30	4	6			10		21:30	5	4			9			
9:45	1	14	15	25	16	39	21:45	9	30	1	13	10	43		
10:00	3	6			9		22:00	11	7			18			
10:15	8	5			13		22:15	14	4			18			
10:30	2	4			6		22:30	2	7			9			
10:45	2	15	6	21	8	36	22:45	5	32	5	23	10	55		
11:00	9	6			15		23:00	2	9			11			
11:15	3	7			10		23:15	6	2			8			
11:30	4	8			12		23:30	6	2			8			
11:45	12	28	6	27	18	55	23:45	3	17	1	14	4	31		
TOTALS	128	134			262		TOTALS	395	367			762			
SPLIT %	48.9%	51.1%			25.6%		SPLIT %	51.8%	48.2%			74.4%			

DAILY TOTALS					NB	SB						EB	WB	Total	
					523	501						0	0	1,024	
AM Peak Hour	11:45	9:30			11:30		PM Peak Hour	17:00	15:00			16:45			
AM Pk Volume	34	32			62		PM Pk Volume	56	52			95			
Pk Hr Factor	0.708	0.533			0.861		Pk Hr Factor	0.875	0.765			0.880			
7 - 9 Volume	13	30	0	0	43		4 - 6 Volume	100	82	0	0	182			
7 - 9 Peak Hour	7:15	8:00			8:00		4 - 6 Peak Hour	17:00	16:00			16:45			
7 - 9 Pk Volume	8	24	0	0	31		4 - 6 Pk Volume	56	44	0	0	95			
Pk Hr Factor	0.667	0.750	0.000	0.000	0.775		Pk Hr Factor	0.875	0.846	0.000	0.000	0.880			

PEDESTRIAN VOLUME

Telegraph Ave Bet. 26th St & 27th St

Day: Saturday
Date: 10/22/2016City: Oakland
Project #: CA16_7684_002

DAILY TOTALS					NB	SB					Total
					902	911					1,813
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL
00:00	12	1			13	12:00	22	14			36
00:15	2	2			4	12:15	21	17			38
00:30	8	12			20	12:30	7	14			21
00:45	0	22	1	16	1	12:45	13	63	20	65	33
01:00	7	2			9	13:00	7	13			20
01:15	2	0			2	13:15	6	16			22
01:30	5	0			5	13:30	10	12			22
01:45	5	19	5	7	10	13:45	10	33	7	48	17
02:00	3	1			4	14:00	5	11			16
02:15	9	1			10	14:15	9	13			22
02:30	5	1			6	14:30	10	14			24
02:45	2	19	0	3	2	14:45	17	41	18	56	35
03:00	2	0			2	15:00	14	22			36
03:15	1	1			2	15:15	20	20			40
03:30	0	1			1	15:30	16	21			37
03:45	2	5	0	2	2	15:45	17	67	16	79	33
04:00	0	1			1	16:00	9	20			29
04:15	0	0			0	16:15	14	15			29
04:30	0	0			0	16:30	14	12			26
04:45	0	0	1		0	16:45	16	53	16	63	32
05:00	1	1			2	17:00	18	23			41
05:15	0	2			2	17:15	24	26			50
05:30	1	3			4	17:30	25	16			41
05:45	0	2	2	8	2	17:45	12	79	24	89	36
06:00	1	2			3	18:00	23	13			36
06:15	2	2			4	18:15	16	16			32
06:30	2	3			5	18:30	16	27			43
06:45	2	7	2	9	4	18:45	16	71	20	76	36
07:00	2	0			2	19:00	18	16			34
07:15	2	11			13	19:15	14	22			36
07:30	2	1			3	19:30	23	18			41
07:45	3	9	5	17	8	19:45	22	77	19	75	41
08:00	5	1			6	20:00	15	16			31
08:15	6	6			12	20:15	14	14			28
08:30	1	5			6	20:30	10	9			19
08:45	6	18	7	19	13	20:45	7	46	9	48	16
09:00	6	13			19	21:00	28	16			44
09:15	6	5			11	21:15	27	2			29
09:30	4	5			9	21:30	9	7			16
09:45	15	31	10	33	25	21:45	10	74	13	38	23
10:00	4	9			13	22:00	6	13			19
10:15	10	6			16	22:15	14	9			23
10:30	14	14			28	22:30	12	16			28
10:45	5	33	7	36	12	22:45	12	44	12	50	24
11:00	11	10			21	23:00	12	11			23
11:15	8	18			26	23:15	14	9			23
11:30	6	11			17	23:30	24	6			30
11:45	5	30	7	46	12	23:45	9	59	1	27	10
TOTALS	195	197			392	TOTALS	707	714			1421
SPLIT %	49.7%	50.3%			21.6%	SPLIT %	49.8%	50.2%			78.4%

DAILY TOTALS					NB	SB					Total
					902	911					1,813
AM Peak Hour	11:45	11:45			11:45	PM Peak Hour	17:15	17:00			17:00
AM Pk Volume	55	52			107	PM Pk Volume	84	89			168
Pk Hr Factor	0.625	0.765			0.704	Pk Hr Factor	0.840	0.856			0.840
7 - 9 Volume	27	36	0	0	63	4 - 6 Volume	132	152	0	0	284
7 - 9 Peak Hour	08:00	08:00			08:00	4 - 6 Peak Hour	16:45	17:00			17:00
7 - 9 Pk Volume	18	19	0	0	37	4 - 6 Pk Volume	83	89	0	0	168
Pk Hr Factor	0.750	0.679	0.000	0.000	0.712	Pk Hr Factor	0.830	0.856	0.000	0.000	0.840

VOLUME

Telegraph Ave Bet. 40th St & 41st St

Day: Sunday

City: Oakland

Date: 10/2/2016

Project #: CA16_7684_001n

DAILY TOTALS					NB	SB						EB	WB	Total	
					7,026	7,433						0	0	14,459	
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL			
00:00	51	53	0	0	104		12:00	116	138	0	0	254			
00:15	50	54	0	0	104		12:15	153	122	0	0	275			
00:30	30	48	0	0	78		12:30	128	141	0	0	269			
00:45	47	178	52	207	0	0	12:45	153	550	134	535	0	0	287	1085
01:00	47	41	0	0	88		13:00	119	137	0	0	256			
01:15	26	35	0	0	61		13:15	125	162	0	0	287			
01:30	31	33	0	0	64		13:30	130	157	0	0	287			
01:45	24	128	31	140	0	0	13:45	157	531	160	616	0	0	317	1147
02:00	32	30	0	0	62		14:00	149	140	0	0	289			
02:15	20	28	0	0	48		14:15	136	152	0	0	288			
02:30	30	26	0	0	56		14:30	122	146	0	0	268			
02:45	13	95	23	107	0	0	14:45	129	536	135	573	0	0	264	1109
03:00	12	21	0	0	33		15:00	139	131	0	0	270			
03:15	19	26	0	0	45		15:15	122	127	0	0	249			
03:30	11	16	0	0	27		15:30	120	141	0	0	261			
03:45	11	53	16	79	0	0	15:45	125	506	116	515	0	0	241	1021
04:00	11	12	0	0	23		16:00	115	125	0	0	240			
04:15	7	8	0	0	15		16:15	122	127	0	0	249			
04:30	2	10	0	0	12		16:30	101	135	0	0	236			
04:45	8	28	11	41	0	0	16:45	120	458	132	519	0	0	252	977
05:00	8	6	0	0	14		17:00	129	125	0	0	254			
05:15	10	12	0	0	22		17:15	149	138	0	0	287			
05:30	8	10	0	0	18		17:30	116	109	0	0	225			
05:45	11	37	6	34	0	0	17:45	117	511	120	492	0	0	237	1003
06:00	12	22	0	0	34		18:00	123	112	0	0	235			
06:15	9	16	0	0	25		18:15	137	116	0	0	253			
06:30	20	21	0	0	41		18:30	96	112	0	0	208			
06:45	21	62	26	85	0	0	18:45	101	457	105	445	0	0	206	902
07:00	26	20	0	0	46		19:00	109	108	0	0	217			
07:15	28	31	0	0	59		19:15	120	108	0	0	228			
07:30	35	47	0	0	82		19:30	86	109	0	0	195			
07:45	33	122	43	141	0	0	19:45	99	414	113	438	0	0	212	852
08:00	45	55	0	0	100		20:00	73	96	0	0	169			
08:15	59	52	0	0	111		20:15	77	90	0	0	167			
08:30	69	70	0	0	139		20:30	77	58	0	0	135			
08:45	72	245	75	252	0	0	20:45	71	298	64	308	0	0	135	606
09:00	67	83	0	0	150		21:00	69	60	0	0	129			
09:15	81	86	0	0	167		21:15	67	66	0	0	133			
09:30	83	84	0	0	167		21:30	76	58	0	0	134			
09:45	94	325	104	357	0	0	21:45	55	267	52	236	0	0	107	503
10:00	104	119	0	0	223		22:00	63	54	0	0	117			
10:15	112	97	0	0	209		22:15	57	54	0	0	111			
10:30	81	101	0	0	182		22:30	46	49	0	0	95			
10:45	117	414	141	458	0	0	22:45	40	206	39	196	0	0	79	402
11:00	98	130	0	0	228		23:00	29	42	0	0	71			
11:15	124	107	0	0	231		23:15	43	51	0	0	94			
11:30	127	122	0	0	249		23:30	35	47	0	0	82			
11:45	118	467	121	480	0	0	23:45	31	138	39	179	0	0	70	317
TOTALS	2154	2381			4535		TOTALS	4872	5052			9924			
SPLIT %	47.5%	52.5%			31.4%		SPLIT %	49.1%	50.9%			68.6%			

DAILY TOTALS					NB	SB						EB	WB	Total	
					7,026	7,433						0	0	14,459	
AM Peak Hour	11:45	11:45			11:45		PM Peak Hour	13:30	13:15			13:30			
AM Pk Volume	515	522			1037		PM Pk Volume	572	619			1181			
Pk Hr Factor	0.842	0.926			0.943		Pk Hr Factor	0.911	0.955			0.931			
7 - 9 Volume	367	393	0	0	760		4 - 6 Volume	969	1011	0	0	1980			
7 - 9 Peak Hour	08:00	08:00			08:00		4 - 6 Peak Hour	16:45	16:30			16:30			
7 - 9 Pk Volume	245	252	0	0	497		4 - 6 Pk Volume	514	530	0	0	1029			
Pk Hr Factor	0.851	0.840	0.000	0.000	0.845		Pk Hr Factor	0.862	0.960	0.000	0.000	0.896			

BICYCLE VOLUME

Telegraph Ave Bet. 40th St & 41st St

Day: Sunday

Date: 10/2/2016

City: Oakland

Project #: CA16_7684_001n

DAILY TOTALS					NB	SB					EB	WB	Total
					394	429					0	0	823
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL		
0:00	8	4			12	12:00	11	6			17		
0:15	5	3			8	12:15	2	7			9		
0:30	8	4			12	12:30	5	5			10		
0:45	2	23	2	13	4	12:45	6	24	10	28	16	52	
1:00	1	0			1	13:00	5	9			14		
1:15	3	1			4	13:15	10	6			16		
1:30	2	3			5	13:30	4	7			11		
1:45	0	6	1	5	1	13:45	7	26	6	28	13	54	
2:00	0	2			2	14:00	8	11			19		
2:15	1	3			4	14:15	7	6			13		
2:30	1	1			2	14:30	7	4			11		
2:45	0	2	1	7	1	14:45	8	30	7	28	15	58	
3:00	0	0			0	15:00	5	12			17		
3:15	0	0			0	15:15	9	5			14		
3:30	0	0			0	15:30	7	4			11		
3:45	0	0			0	15:45	7	28	10	31	17	59	
4:00	0	0			0	16:00	6	6			12		
4:15	0	0			0	16:15	11	11			22		
4:30	0	0			0	16:30	6	9			15		
4:45	0	0			0	16:45	4	27	7	33	11	60	
5:00	0	0			0	17:00	4	10			14		
5:15	1	0			1	17:15	10	5			15		
5:30	2	0			2	17:30	8	7			15		
5:45	0	3	2	2	2	17:45	6	28	11	33	17	61	
6:00	0	0			0	18:00	5	7			12		
6:15	1	0			1	18:15	9	13			22		
6:30	0	2			2	18:30	6	6			12		
6:45	0	1	1	3	1	18:45	5	25	8	34	13	59	
7:00	0	2			2	19:00	2	8			10		
7:15	4	1			5	19:15	2	5			7		
7:30	0	1			1	19:30	5	6			11		
7:45	2	6	1	5	3	19:45	11	20	5	24	16	44	
8:00	1	4			5	20:00	4	3			7		
8:15	2	1			3	20:15	6	3			9		
8:30	3	4			7	20:30	3	5			8		
8:45	3	9	2	11	5	20:45	1	14	3	14	4	28	
9:00	6	1			7	21:00	4	3			7		
9:15	9	2			11	21:15	3	5			8		
9:30	3	5			8	21:30	11	2			13		
9:45	3	21	7	15	10	21:45	3	21	5	15	8	36	
10:00	3	7			10	22:00	7	7			14		
10:15	1	11			12	22:15	7	3			10		
10:30	4	14			18	22:30	4	1			5		
10:45	4	12	8	40	12	22:45	7	25	3	14	10	39	
11:00	7	10			17	23:00	1	5			6		
11:15	13	10			23	23:15	3	3			6		
11:30	10	3			13	23:30	2	3			5		
11:45	6	36	10	33	16	23:45	1	7	2	13	3	20	
TOTALS	119	134			253	TOTALS	275	295			570		
SPLIT %	47.0%	53.0%			30.7%	SPLIT %	48.2%	51.8%			69.3%		

DAILY TOTALS					NB	SB					EB	WB	Total
					394	429					0	0	823
AM Peak Hour	11:15	10:15			10:30	PM Peak Hour	15:30	17:30			15:45		
AM Pk Volume	40	43			70	PM Pk Volume	31	38			66		
Pk Hr Factor	0.769	0.768			0.761	Pk Hr Factor	0.705	0.731			0.750		
7 - 9 Volume	15	16	0	0	31	4 - 6 Volume	55	66	0	0	121		
7 - 9 Peak Hour	8:00	8:00			8:00	4 - 6 Peak Hour	17:00	16:15			16:15		
7 - 9 Pk Volume	9	11	0	0	20	4 - 6 Pk Volume	28	37	0	0	62		
Pk Hr Factor	0.750	0.688	0.000	0.000	0.714	Pk Hr Factor	0.700	0.841	0.000	0.000	0.705		

PEDESTRIAN VOLUME

Telegraph Ave Bet. 40th St & 41st St

Day: Sunday

Date: 10/2/2016

City: Oakland

Project #: CA16_7684_001

DAILY TOTALS					NB	SB					EB	WB	Total
					1,219	1,182					0	0	2,401
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL		
00:00	9	8			17	12:00	12	28			40		
00:15	15	5			20	12:15	24	19			43		
00:30	5	10			15	12:30	22	25			47		
00:45	7	36	3	26	10	12:45	15	73	28	100	43	173	
01:00	1	0			1	13:00	15	24			39		
01:15	1	0			1	13:15	28	32			60		
01:30	1	1			2	13:30	27	18			45		
01:45	1	4	1	2	2	13:45	24	94	39	113	63	207	
02:00	1	2			3	14:00	23	19			42		
02:15	0	1			1	14:15	31	32			63		
02:30	0	0			0	14:30	19	42			61		
02:45	3	4	0	3	3	14:45	17	90	20	113	37	203	
03:00	1	2			3	15:00	17	15			32		
03:15	2	0			2	15:15	21	26			47		
03:30	0	0			0	15:30	39	19			58		
03:45	2	5	2	4	4	15:45	25	102	30	90	55	192	
04:00	1	0			1	16:00	17	20			37		
04:15	0	0			0	16:15	10	23			33		
04:30	1	2			3	16:30	32	13			45		
04:45	2	4	5	7	7	16:45	19	78	26	82	45	160	
05:00	4	0			4	17:00	29	25			54		
05:15	1	0			1	17:15	22	27			49		
05:30	1	2			3	17:30	27	13			40		
05:45	6	12	2	4	8	17:45	25	103	11	76	36	179	
06:00	1	0			1	18:00	24	20			44		
06:15	2	3			5	18:15	38	28			66		
06:30	6	6			12	18:30	25	13			38		
06:45	1	10	1	10	2	18:45	32	119	22	83	54	202	
07:00	2	0			2	19:00	10	8			18		
07:15	1	3			4	19:15	17	15			32		
07:30	3	3			6	19:30	11	23			34		
07:45	4	10	7	13	11	19:45	11	49	12	58	23	107	
08:00	3	13			16	20:00	8	13			21		
08:15	7	9			16	20:15	18	12			30		
08:30	10	13			23	20:30	27	12			39		
08:45	17	37	12	47	29	20:45	15	68	10	47	25	115	
09:00	9	7			16	21:00	9	8			17		
09:15	16	13			29	21:15	11	8			19		
09:30	14	24			38	21:30	5	7			12		
09:45	25	64	17	61	42	21:45	4	29	10	33	14	62	
10:00	23	9			32	22:00	3	7			10		
10:15	27	23			50	22:15	8	5			13		
10:30	24	34			58	22:30	7	7			14		
10:45	21	95	14	80	35	22:45	9	27	6	25	15	52	
11:00	19	24			43	23:00	4	5			9		
11:15	24	23			47	23:15	7	2			9		
11:30	19	24			43	23:30	6	3			9		
11:45	21	83	21	92	42	23:45	6	23	3	13	9	36	
TOTALS	364	349			713	TOTALS	855	833			1688		
SPLIT %	51.1%	48.9%			29.7%	SPLIT %	50.7%	49.3%			70.3%		

DAILY TOTALS					NB	SB					EB	WB	Total
					1,219	1,182					0	0	2,401
AM Peak Hour	09:45	11:15			10:15	PM Peak Hour	18:00	13:45			13:45		
AM Pk Volume	99	96			186	PM Pk Volume	119	132			229		
Pk Hr Factor	0.917	0.857			0.802	Pk Hr Factor	0.783	0.786			0.909		
7 - 9 Volume	47	60	0	0	107	4 - 6 Volume	181	158	0	0	339		
7 - 9 Peak Hour	08:00	08:00			08:00	4 - 6 Peak Hour	17:00	16:30			16:30		
7 - 9 Pk Volume	37	47	0	0	84	4 - 6 Pk Volume	103	91	0	0	193		
Pk Hr Factor	0.544	0.904	0.000	0.000	0.724	Pk Hr Factor	0.888	0.843	0.000	0.000	0.894		

VOLUME

Telegraph Ave Bet. 26th St & 27th St

Day: Sunday

Date: 10/9/2016

City: Oakland

Project #: CA16_7684_002n

DAILY TOTALS					NB	SB						EB	WB	Total	
					5,458	5,377						0	0	10,835	
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL			
00:00	54	44	0	0	98		12:00	81	99	0	0	180			
00:15	38	34	0	0	72		12:15	99	91	0	0	190			
00:30	49	31	0	0	80		12:30	85	81	0	0	166			
00:45	42	183	23	132	0	0	12:45	115	380	124	395	0	0	239	775
01:00	30	36	0	0	66		13:00	85	103	0	0	188			
01:15	53	33	0	0	86		13:15	111	95	0	0	206			
01:30	38	29	0	0	67		13:30	102	93	0	0	195			
01:45	32	153	20	118	0	0	13:45	105	403	102	393	0	0	207	796
02:00	16	25	0	0	41		14:00	97	114	0	0	211			
02:15	17	20	0	0	37		14:15	96	95	0	0	191			
02:30	19	18	0	0	37		14:30	103	97	0	0	200			
02:45	22	74	19	82	0	0	14:45	104	400	93	399	0	0	197	799
03:00	14	6	0	0	20		15:00	97	136	0	0	233			
03:15	10	10	0	0	20		15:15	90	92	0	0	182			
03:30	70	45	0	0	115		15:30	104	101	0	0	205			
03:45	65	159	35	96	0	0	15:45	93	384	89	418	0	0	182	802
04:00	11	9	0	0	20		16:00	86	106	0	0	192			
04:15	10	6	0	0	16		16:15	77	89	0	0	166			
04:30	7	8	0	0	15		16:30	94	86	0	0	180			
04:45	10	38	4	27	0	0	16:45	93	350	107	388	0	0	200	738
05:00	5	9	0	0	14		17:00	107	92	0	0	199			
05:15	10	6	0	0	16		17:15	85	121	0	0	206			
05:30	9	14	0	0	23		17:30	93	94	0	0	187			
05:45	11	35	7	36	0	0	17:45	102	387	98	405	0	0	200	792
06:00	11	10	0	0	21		18:00	101	114	0	0	215			
06:15	20	6	0	0	26		18:15	94	80	0	0	174			
06:30	21	19	0	0	40		18:30	76	88	0	0	164			
06:45	16	68	21	56	0	0	18:45	76	347	73	355	0	0	149	702
07:00	17	14	0	0	31		19:00	83	73	0	0	156			
07:15	19	12	0	0	31		19:15	63	71	0	0	134			
07:30	19	32	0	0	51		19:30	76	65	0	0	141			
07:45	43	98	18	76	0	0	19:45	81	303	92	301	0	0	173	604
08:00	31	32	0	0	63		20:00	81	57	0	0	138			
08:15	39	33	0	0	72		20:15	72	66	0	0	138			
08:30	34	41	0	0	75		20:30	65	56	0	0	121			
08:45	38	142	42	148	0	0	20:45	57	275	70	249	0	0	127	524
09:00	49	48	0	0	97		21:00	64	70	0	0	134			
09:15	40	60	0	0	100		21:15	45	53	0	0	98			
09:30	40	84	0	0	124		21:30	57	46	0	0	103			
09:45	60	189	67	259	0	0	21:45	49	215	50	219	0	0	99	434
10:00	72	79	0	0	151		22:00	47	32	0	0	79			
10:15	77	76	0	0	153		22:15	48	29	0	0	77			
10:30	57	69	0	0	126		22:30	32	28	0	0	60			
10:45	81	287	68	292	0	0	22:45	35	162	31	120	0	0	66	282
11:00	70	65	0	0	135		23:00	28	32	0	0	60			
11:15	79	84	0	0	163		23:15	21	29	0	0	50			
11:30	90	82	0	0	172		23:30	32	20	0	0	52			
11:45	85	324	71	302	0	0	23:45	21	102	30	111	0	0	51	213
TOTALS	1750	1624			3374		TOTALS	3708	3753			7461			
SPLIT %	51.9%	48.1%			31.1%		SPLIT %	49.7%	50.3%			68.9%			

DAILY TOTALS					NB	SB						EB	WB	Total	
					5,458	5,377						0	0	10,835	
AM Peak Hour	11:30	11:30			11:30		PM Peak Hour	13:15	17:15			12:45			
AM Pk Volume	355	343			698		PM Pk Volume	415	427			828			
Pk Hr Factor	0.896	0.866			0.918		Pk Hr Factor	0.935	0.882			0.866			
7 - 9 Volume	240	224	0	0	464		4 - 6 Volume	737	793	0	0	1530			
7 - 9 Peak Hour	07:45	08:00			08:00		4 - 6 Peak Hour	17:00	16:45			16:45			
7 - 9 Pk Volume	147	148	0	0	290		4 - 6 Pk Volume	387	414	0	0	792			
Pk Hr Factor	0.855	0.881	0.000	0.000	0.906		Pk Hr Factor	0.904	0.855	0.000	0.000	0.961			

BICYCLE VOLUME

Telegraph Ave Bet. 26th St & 27th St

Day: Sunday

Date: 10/9/2016

City: Oakland

Project #: CA16_7684_002n

DAILY TOTALS					NB	SB	EB					WB	Total
					419	404	0					0	823
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL		
0:00	5	2			7	12:00	6	5			11		
0:15	2	1			3	12:15	1	7			8		
0:30	4	1			5	12:30	8	10			18		
0:45	5	16	3	7	8	12:45	6	21	5	27	11	48	
1:00	5	1			6	13:00	1	9			10		
1:15	5	2			7	13:15	9	8			17		
1:30	1	2			3	13:30	7	11			18		
1:45	4	15	0	5	4	13:45	9	26	5	33	14	59	
2:00	1	1			2	14:00	7	13			20		
2:15	0	0			0	14:15	8	3			11		
2:30	0	1			1	14:30	6	9			15		
2:45	2	3	1	3	3	14:45	9	30	8	33	17	63	
3:00	1	2			3	15:00	12	3			15		
3:15	0	0			0	15:15	7	10			17		
3:30	5	5			10	15:30	8	3			11		
3:45	6	12	3	10	9	15:45	8	35	7	23	15	58	
4:00	0	1			1	16:00	5	3			8		
4:15	0	2			2	16:15	11	8			19		
4:30	0	0			0	16:30	5	8			13		
4:45	0	0	3		0	16:45	6	27	10	29	16	56	
5:00	1	0			1	17:00	11	4			15		
5:15	0	1			1	17:15	12	14			26		
5:30	0	0			0	17:30	8	21			29		
5:45	2	3	2	3	4	17:45	11	42	10	49	21	91	
6:00	0	3			3	18:00	4	5			9		
6:15	0	0			0	18:15	6	5			11		
6:30	0	0			0	18:30	13	5			18		
6:45	0	2	5		2	18:45	3	26	4	19	7	45	
7:00	1	1			2	19:00	5	5			10		
7:15	4	3			7	19:15	4	5			9		
7:30	0	0			0	19:30	10	3			13		
7:45	2	7	1	5	3	19:45	7	26	6	19	13	45	
8:00	1	2			3	20:00	8	4			12		
8:15	2	4			6	20:15	8	5			13		
8:30	3	6			9	20:30	3	7			10		
8:45	2	8	3	15	5	20:45	5	24	4	20	9	44	
9:00	2	3			5	21:00	7	2			9		
9:15	4	6			10	21:15	10	3			13		
9:30	4	5			9	21:30	4	11			15		
9:45	5	15	12	26	17	21:45	0	21	2	18	2	39	
10:00	4	1			5	22:00	1	1			2		
10:15	6	3			9	22:15	4	0			4		
10:30	3	6			9	22:30	0	1			1		
10:45	5	18	6	16	11	22:45	2	7	5	7	7	14	
11:00	6	5			11	23:00	1	4			5		
11:15	6	10			16	23:15	3	1			4		
11:30	7	6			13	23:30	2	0			2		
11:45	11	30	2	23	13	23:45	1	7	1	6	2	13	
TOTALS	127	121			248	TOTALS	292	283			575		
SPLIT %	51.2%	48.8%			30.1%	SPLIT %	50.8%	49.2%			69.9%		

DAILY TOTALS					NB	SB					Total
					419	404					823
AM Peak Hour	11:00	10:30			11:00	PM Peak Hour	17:00	17:15			17:00
AM Pk Volume	30	27			53	PM Pk Volume	42	50			91
Pk Hr Factor	0.682	0.675			0.828	Pk Hr Factor	0.875	0.595			0.784
7 - 9 Volume	15	20	0	0	35	4 - 6 Volume	69	78	0	0	147
7 - 9 Peak Hour	7:45	8:00			8:00	4 - 6 Peak Hour	17:00	16:45			17:00
7 - 9 Pk Volume	8	15	0	0	23	4 - 6 Pk Volume	42	49	0	0	91
Pk Hr Factor	0.667	0.625	0.000	0.000	0.639	Pk Hr Factor	0.875	0.583	0.000	0.000	0.784

PEDESTRIAN VOLUME

Telegraph Ave Bet. 26th St & 27th St

Day: Sunday

Date: 10/9/2016

City: Oakland

Project #: CA16_7684_002

DAILY TOTALS					NB	SB					EB	WB	Total
					720	604					0	0	1,324
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL		
00:00	5	5			10	12:00	10	16			26		
00:15	11	0			11	12:15	13	15			28		
00:30	12	2			14	12:30	12	17			29		
00:45	12	40	4	11	16	12:45	8	43	20	68	28	111	
01:00	18	1			19	13:00	11	15			26		
01:15	9	3			12	13:15	8	10			18		
01:30	5	1			6	13:30	3	16			19		
01:45	2	34	0	5	2	13:45	11	33	7	48	18	81	
02:00	2	3			5	14:00	14	19			33		
02:15	1	2			3	14:15	7	8			15		
02:30	0	1			1	14:30	18	6			24		
02:45	1	4	0	6	1	14:45	11	50	8	41	19	91	
03:00	0	0			0	15:00	14	2			16		
03:15	2	0			2	15:15	9	14			23		
03:30	8	3			11	15:30	12	13			25		
03:45	14	24	7	10	21	15:45	9	44	4	33	13	77	
04:00	1	0			1	16:00	8	5			13		
04:15	0	1			1	16:15	5	7			12		
04:30	0	1			1	16:30	9	4			13		
04:45	0	1	1	3	1	16:45	3	25	8	24	11	49	
05:00	1	0			1	17:00	19	7			26		
05:15	1	0			1	17:15	24	11			35		
05:30	0	2			2	17:30	11	19			30		
05:45	2	4	0	2	2	17:45	9	63	9	46	18	109	
06:00	2	3			5	18:00	16	16			32		
06:15	0	1			1	18:15	16	9			25		
06:30	3	1			4	18:30	17	9			26		
06:45	2	7	0	5	2	18:45	6	55	11	45	17	100	
07:00	2	0			2	19:00	5	1			6		
07:15	2	3			5	19:15	6	9			15		
07:30	3	2			5	19:30	15	6			21		
07:45	3	10	1	6	4	19:45	16	42	11	27	27	69	
08:00	3	3			6	20:00	11	2			13		
08:15	2	7			9	20:15	5	5			10		
08:30	12	8			20	20:30	6	11			17		
08:45	9	26	8	26	17	20:45	10	32	6	24	16	56	
09:00	7	12			19	21:00	5	3			8		
09:15	10	6			16	21:15	8	4			12		
09:30	6	13			19	21:30	8	6			14		
09:45	14	37	27	58	41	21:45	5	26	1	14	6	40	
10:00	12	12			24	22:00	9	4			13		
10:15	6	6			12	22:15	7	3			10		
10:30	19	12			31	22:30	3	5			8		
10:45	5	42	9	39	14	22:45	5	24	0	12	5	36	
11:00	8	9			17	23:00	5	6			11		
11:15	7	17			24	23:15	4	0			4		
11:30	7	7			14	23:30	5	7			12		
11:45	10	32	2	35	12	23:45	8	22	3	16	11	38	
TOTALS	261	206			467	TOTALS	459	398			857		
SPLIT %	55.9%	44.1%			35.3%	SPLIT %	53.6%	46.4%			64.7%		

DAILY TOTALS					NB	SB	EBWB					Total	
					720	604						0	0
AM Peak Hour	00:15	09:00					09:45	PM Peak Hour	17:00	12:00			17:15
AM Pk Volume	53	58					108	PM Pk Volume	63	68			115
Pk Hr Factor	0.736	0.537					0.659	Pk Hr Factor	0.656	0.850			0.821
7 - 9 Volume	36	32	0	0			68	4 - 6 Volume	88	70	0	0	158
7 - 9 Peak Hour	08:00	08:00					08:00	4 - 6 Peak Hour	17:00	17:00			17:00
7 - 9 Pk Volume	26	26	0	0			52	4 - 6 Pk Volume	63	46	0	0	109
Pk Hr Factor	0.542	0.813	0.000	0.000			0.650	Pk Hr Factor	0.656	0.605	0.000	0.000	0.779

ALL TRAFFIC DATA

City of Oakland
All Vehicles & Uturns On Unshifted
Bikes & Peds On Bank 1
Heavy Trucks On Bank 2

(916) 771-8700
orders@atdtraffic.com

File Name : 16-7683-001 Telegraph Ave & Thomas L Berkley Way (20th St)
Date : 9/29/2016

Unshifted Count = All Vehicles & Uturns

	Telegraph Ave Southbound					Thomas L Berkley Way (20th St) Westbound					Telegraph Ave Northbound					Thomas L Berkley Way (20th St) Eastbound					Total	Uturns Total
START TIME	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL		
7:30	31	25	16	0	72	3	22	21	0	46	3	46	3	0	52	9	20	3	0	32	202	0
7:45	28	66	14	0	108	7	23	17	0	47	3	74	6	0	83	18	24	4	0	46	284	0
8:00	43	65	15	0	123	3	23	25	0	51	3	57	12	0	72	18	35	9	0	62	308	0
8:15	33	49	16	0	98	3	34	28	0	65	1	42	4	0	47	11	23	7	0	41	251	0
Total	135	205	61	0	401	16	102	91	0	209	10	219	25	0	254	56	102	23	0	181	1045	0
8:30	36	57	20	0	113	0	28	31	0	59	2	41	5	0	48	7	30	1	0	38	258	0
8:45	47	58	16	0	121	1	28	26	0	55	2	38	3	0	43	6	23	5	0	34	253	0
9:00	45	45	13	0	103	4	32	33	0	69	4	38	4	0	46	9	22	4	0	35	253	0
9:15	37	56	13	0	106	2	20	26	0	48	3	43	9	0	55	3	22	5	0	30	239	0
Total	165	216	62	0	443	7	108	116	0	231	11	160	21	0	192	25	97	15	0	137	1003	0
16:00	22	63	17	0	102	5	25	44	0	74	5	71	6	0	82	11	23	4	0	38	296	0
16:15	21	69	13	0	103	4	23	38	0	65	0	60	7	0	67	9	26	5	0	40	275	0
16:30	29	80	24	0	133	7	32	37	0	76	6	60	5	0	71	7	33	5	0	45	325	0
16:45	18	62	20	0	100	2	35	34	0	71	4	74	8	0	86	18	25	4	0	47	304	0
Total	90	274	74	0	438	18	115	153	0	286	15	265	26	0	306	45	107	18	0	170	1200	0
17:00	31	57	24	0	112	3	41	49	0	93	5	59	3	0	67	8	38	3	0	49	321	0
17:15	22	74	15	0	111	3	37	62	0	102	3	62	12	0	77	14	29	7	0	50	340	0
17:30	26	61	17	0	104	4	32	37	0	73	1	57	11	0	69	23	36	7	0	66	312	0
17:45	18	79	20	0	117	10	35	57	0	102	2	57	14	0	73	23	29	9	0	61	353	0
Total	97	271	76	0	444	20	145	205	0	370	11	235	40	0	286	68	132	26	0	226	1326	0
Grand Total	487	966	273	0	1726	61	470	565	0	1096	47	879	112	0	1038	194	438	82	0	714	4574	0
Apprch %	28.2%	56.0%	15.8%	0.0%		5.6%	42.9%	51.6%	0.0%		4.5%	84.7%	10.8%	0.0%		27.2%	61.3%	11.5%	0.0%			
Total %	10.6%	21.1%	6.0%	0.0%	37.7%	1.3%	10.3%	12.4%	0.0%	24.0%	1.0%	19.2%	2.4%	0.0%	22.7%	4.2%	9.6%	1.8%	0.0%	15.6%	100.0%	

AM PEAK HOUR	Telegraph Ave Southbound					Thomas L Berkley Way (20th St) Westbound					Telegraph Ave Northbound					Thomas L Berkley Way (20th St) Eastbound					Total
START TIME	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	
Peak Hour Analysis From 07:45 to 08:45																					
Peak Hour For Entire Intersection Begins at 07:45																					
7:45	28	66	14	0	108	7	23	17	0	47	3	74	6	0	83	18	24	4	0	46	284
8:00	43	65	15	0	123	3	23	25	0	51	3	57	12	0	72	18	35	9	0	62	308
8:15	33	49	16	0	98	3	34	28	0	65	1	42	4	0	47	11	23	7	0	41	251
8:30	36	57	20	0	113	0	28	31	0	59	2	41	5	0	48	7	30	1	0	38	258
Total Volume	140	237	65	0	442	13	108	101	0	222	9	214	27	0	250	54	112	21	0	187	1101
% App Total	31.7%	53.6%	14.7%	0.0%		5.9%	48.6%	45.5%	0.0%		3.6%	85.6%	10.8%	0.0%		28.9%	59.9%	11.2%	0.0%		
PHF	.814	.898	.813	.000	.898	.464	.794	.815	.000	.854	.750	.723	.563	.000	.753	.750	.800	.583	.000	.754	.894

PM PEAK HOUR	Telegraph Ave Southbound					Thomas L Berkley Way (20th St) Westbound					Telegraph Ave Northbound					Thomas L Berkley Way (20th St) Eastbound					Total
START TIME	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	
Peak Hour Analysis From 17:00 to 18:00																					
Peak Hour For Entire Intersection Begins at 17:00																					
17:00	31	57	24	0	112	3	41	49	0	93	5	59	3	0	67	8	38	3	0	49	321
17:15	22	74	15	0	111	3	37	62	0	102	3	62	12	0	77	14	29	7	0	50	340
17:30	26	61	17	0	104	4	32	37	0	73	1	57	11	0	69	23	36	7	0	66	312
17:45	18	79	20	0	117	10	35	57	0	102	2	57	14	0	73	23	29	9	0	61	353
Total Volume	97	271	76	0	444	20	145	205	0	370	11	235	40	0	286	68	132	26	0	226	1326
% App Total	21.8%	61.0%	17.1%	0.0%		5.4%	39.2%	55.4%	0.0%		3.8%	82.2%	14.0%	0.0%		30.1%	58.4%	11.5%	0.0%		
PHF	.782	.858	.792	.000	.949	.500	.884	.827	.000	.907	.550	.948	.714	.000	.929	.739	.868	.722	.000	.856	.939

ALL TRAFFIC DATA

City of Oakland
All Vehicles & Uturns On Unshifted
Bikes & Peds On Bank 1
Heavy Trucks On Bank 2

(916) 771-8700
orders@atdtraffic.com

File Name : 16-7683-001 Telegraph Ave & Thomas L Berkley Way (20th St)
Date : 9/29/2016

Bank 1 Count = Bikes & Peds

	Telegraph Ave Southbound					Thomas L Berkley Way (20th St) Westbound					Telegraph Ave Northbound					Thomas L Berkley Way (20th St) Eastbound					Total	Peds Total
START TIME	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	LEFT	THRU	RIGHT	PEDS	APP.TOTAL		
7:30	5	11	2	18	18	0	1	0	19	1	0	1	0	50	1	0	1	0	17	1	21	104
7:45	1	10	2	21	13	0	2	1	27	3	1	2	0	51	3	0	3	1	30	4	23	129
8:00	4	18	0	27	22	1	3	0	31	4	0	1	1	44	2	4	2	3	19	9	37	121
8:15	3	15	0	15	18	2	1	0	27	3	1	3	2	76	6	0	7	3	22	10	37	140
Total	13	54	4	81	71	3	7	1	104	11	2	7	3	221	12	4	13	7	88	24	118	494
8:30	5	18	0	26	23	0	2	0	21	2	0	3	0	49	3	0	9	2	21	11	39	117
8:45	7	27	1	24	35	1	0	1	24	2	0	2	0	50	2	1	4	1	21	6	45	119
9:00	8	16	0	21	24	0	1	0	17	1	0	3	1	41	4	1	3	0	25	4	33	104
9:15	7	14	1	20	22	0	1	2	19	3	0	2	0	46	2	0	1	1	17	2	29	102
Total	27	75	2	91	104	1	4	3	81	8	0	10	1	186	11	2	17	4	84	23	146	442
16:00	1	10	1	24	12	0	5	0	15	5	1	7	0	36	8	1	0	0	37	1	26	112
16:15	2	2	3	32	7	0	2	0	25	2	1	12	1	44	14	0	0	0	46	0	23	147
16:30	0	7	3	25	10	1	2	5	36	8	0	9	0	36	9	1	0	1	38	2	29	135
16:45	0	6	1	22	7	0	2	0	33	2	1	10	0	39	11	0	2	0	31	2	22	125
Total	3	25	8	103	36	1	11	5	109	17	3	38	1	155	42	2	2	1	152	5	100	519
17:00	3	4	0	21	7	0	4	5	35	9	1	15	1	35	17	5	3	0	24	8	41	115
17:15	1	7	0	37	8	0	6	2	47	8	0	16	0	32	16	2	1	0	30	3	35	146
17:30	1	9	0	20	10	0	2	6	31	8	0	23	0	37	23	0	2	1	29	3	44	117
17:45	1	6	1	34	8	0	3	2	43	5	3	13	1	41	17	0	0	1	35	1	31	153
Total	6	26	1	112	33	0	15	15	156	30	4	67	2	145	73	7	6	2	118	15	151	531
Grand Total	49	180	15	387	244	5	37	24	450	66	9	122	7	707	138	15	38	14	442	67	515	1986
Apprch %	20.1%	73.8%	6.1%			7.6%	56.1%	36.4%			6.5%	88.4%	5.1%			22.4%	56.7%	20.9%				
Total %	9.5%	35.0%	2.9%		47.4%	1.0%	7.2%	4.7%		12.8%	1.7%	23.7%	1.4%		26.8%	2.9%	7.4%	2.7%		13.0%	100.0%	

AM PEAK HOUR	Telegraph Ave Southbound					Thomas L Berkley Way (20th St) Westbound					Telegraph Ave Northbound					Thomas L Berkley Way (20th St) Eastbound					Total
START TIME	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	
Peak Hour Analysis From 07:45 to 08:45																					
Peak Hour For Entire Intersection Begins at 07:45																					
7:45	1	10	2	21	13	0	2	1	27	3	1	2	0	51	3	0	3	1	30	4	23
8:00	4	18	0	27	22	1	3	0	31	4	0	1	1	44	2	4	2	3	19	9	37
8:15	3	15	0	15	18	2	1	0	27	3	1	3	2	76	6	0	7	3	22	10	37
8:30	5	18	0	26	23	0	2	0	21	2	0	3	0	49	3	0	9	2	21	11	39
Total Volume	13	61	2	89	76	3	8	1	106	12	2	9	3	220	14	4	21	9	92	34	136
% App Total	17.1%	80.3%	2.6%			25.0%	66.7%	8.3%			14.3%	64.3%	21.4%			11.8%	61.8%	26.5%			
PHF	.650	.847	.250		.826	.375	.667	.250		.750	.500	.750	.375		.583	.250	.583	.750		.773	.872

PM PEAK HOUR	Telegraph Ave Southbound					Thomas L Berkley Way (20th St) Westbound					Telegraph Ave Northbound					Thomas L Berkley Way (20th St) Eastbound					Total
START TIME	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	
Peak Hour Analysis From 17:00 to 18:00																					
Peak Hour For Entire Intersection Begins at 17:00																					
17:00	3	4	0	21	7	0	4	5	35	9	1	15	1	35	17	5	3	0	24	8	41
17:15	1	7	0	37	8	0	6	2	47	8	0	16	0	32	16	2	1	0	30	3	35
17:30	1	9	0	20	10	0	2	6	31	8	0	23	0	37	23	0	2	1	29	3	44
17:45	1	6	1	34	8	0	3	2	43	5	3	13	1	41	17	0	0	1	35	1	31
Total Volume	6	26	1	112	33	0	15	15	156	30	4	67	2	145	73	7	6	2	118	15	151
% App Total	18.2%	78.8%	3.0%			0.0%	50.0%	50.0%			5.5%	91.8%	2.7%			46.7%	40.0%	13.3%			
PHF	.500	.722	.250		.825	.000	.625	.625		.833	.333	.728	.500		.793	.350	.500	.500		.469	.858

ALL TRAFFIC DATA

City of Oakland
All Vehicles & Uturns On Unshifted
Bikes & Peds On Bank 1
Heavy Trucks On Bank 2

(916) 771-8700

orders@atdtraffic.com

File Name : 16-7683-002 Telegraph Ave & W Grand Ave

Date : 9/29/2016

Unshifted Count = All Vehicles & Uturns

	Telegraph Ave Southbound					W Grand Ave Westbound					Telegraph Ave Northbound					W Grand Ave Eastbound					Total	Uturns Total
START TIME	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL		
7:30	13	42	11	0	66	10	82	9	1	102	29	38	9	0	76	15	108	60	0	183	427	1
7:45	9	57	19	0	85	13	85	11	0	109	39	46	13	0	98	31	112	57	1	201	493	1
8:00	10	69	20	0	99	13	94	9	0	116	43	44	18	0	105	20	153	85	3	261	581	3
8:15	9	60	16	0	85	12	101	7	0	120	37	57	7	0	101	27	147	64	2	240	546	2
Total	41	228	66	0	335	48	362	36	1	447	148	185	47	0	380	93	520	266	6	885	2047	7
8:30	14	75	14	0	103	8	92	14	2	116	25	53	7	0	85	18	155	68	4	245	549	6
8:45	17	91	20	0	128	15	74	9	1	99	24	60	11	0	95	25	181	109	3	318	640	4
9:00	17	64	17	0	98	13	92	9	1	115	39	47	9	0	95	22	160	53	1	236	544	2
9:15	17	74	17	0	108	17	76	8	2	103	35	49	9	0	93	24	133	55	2	214	518	4
Total	65	304	68	0	437	53	334	40	6	433	123	209	36	0	368	89	629	285	10	1013	2251	16
16:00	18	62	23	0	103	13	110	10	2	135	70	79	36	0	185	26	144	33	6	209	632	8
16:15	22	67	33	0	122	6	109	13	3	131	73	77	16	0	166	23	121	26	9	179	598	12
16:30	23	68	25	0	116	13	103	12	3	131	84	84	14	0	182	23	164	41	1	229	658	4
16:45	26	76	25	0	127	9	126	17	3	155	76	75	29	0	180	24	183	29	4	240	702	7
Total	89	273	106	0	468	41	448	52	11	552	303	315	95	0	713	96	612	129	20	857	2590	31
17:00	17	72	22	0	111	11	139	15	3	168	88	84	29	0	201	25	175	29	8	237	717	11
17:15	31	77	19	0	127	11	125	11	2	149	57	82	30	0	169	28	201	36	5	270	715	7
17:30	21	73	27	0	121	8	106	15	2	131	77	91	29	0	197	20	173	46	5	244	693	7
17:45	18	69	22	0	109	14	107	21	2	144	68	79	31	0	178	20	214	49	6	289	720	8
Total	87	291	90	0	468	44	477	62	9	592	290	336	119	0	745	93	763	160	24	1040	2845	33
Grand Total	282	1096	330	0	1708	186	1621	190	27	2024	864	1045	297	0	2206	371	2524	840	60	3795	9733	87
Apprch %	16.5%	64.2%	19.3%	0.0%		9.2%	80.1%	9.4%	1.3%		39.2%	47.4%	13.5%	0.0%		9.8%	66.5%	22.1%	1.6%			
Total %	2.9%	11.3%	3.4%	0.0%	17.5%	1.9%	16.7%	2.0%	0.3%	20.8%	8.9%	10.7%	3.1%	0.0%	22.7%	3.8%	25.9%	8.6%	0.6%	39.0%	100.0%	

AM PEAK HOUR	Telegraph Ave Southbound					W Grand Ave Westbound					Telegraph Ave Northbound					W Grand Ave Eastbound					Total
START TIME	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	
Peak Hour Analysis From 08:00 to 09:00																					
Peak Hour For Entire Intersection Begins at 08:00																					
8:00	10	69	20	0	99	13	94	9	0	116	43	44	18	0	105	20	153	85	3	261	581
8:15	9	60	16	0	85	12	101	7	0	120	37	57	7	0	101	27	147	64	2	240	546
8:30	14	75	14	0	103	8	92	14	2	116	25	53	7	0	85	18	155	68	4	245	549
8:45	17	91	20	0	128	15	74	9	1	99	24	60	11	0	95	25	181	109	3	318	640
Total Volume	50	295	70	0	415	48	361	39	3	451	129	214	43	0	386	90	636	326	12	1064	2316
% App Total	12.0%	71.1%	16.9%	0.0%		10.6%	80.0%	8.6%	0.7%		33.4%	55.4%	11.1%	0.0%		8.5%	59.8%	30.6%	1.1%		
PHF	.735	.810	.875	.000	.811	.800	.894	.696	.375	.940	.750	.892	.597	.000	.919	.833	.878	.748	.750	.836	.905

PM PEAK HOUR	Telegraph Ave Southbound					W Grand Ave Westbound					Telegraph Ave Northbound					W Grand Ave Eastbound					Total
START TIME	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	
Peak Hour Analysis From 17:00 to 18:00																					
Peak Hour For Entire Intersection Begins at 17:00																					
17:00	17	72	22	0	111	11	139	15	3	168	88	84	29	0	201	25	175	29	8	237	717
17:15	31	77	19	0	127	11	125	11	2	149	57	82	30	0	169	28	201	36	5	270	715
17:30	21	73	27	0	121	8	106	15	2	131	77	91	29	0	197	20	173	46	5	244	693
17:45	18	69	22	0	109	14	107	21	2	144	68	79	31	0	178	20	214	49	6	289	720
Total Volume	87	291	90	0	468	44	477	62	9	592	290	336	119	0	745	93	763	160	24	1040	2845
% App Total	18.6%	62.2%	19.2%	0.0%		7.4%	80.6%	10.5%	1.5%		38.9%	45.1%	16.0%	0.0%		8.9%	73.4%	15.4%	2.3%		
PHF	.702	.945	.833	.000	.921	.786	.858	.738	.750	.881	.824	.923	.960	.000	.927	.830	.891	.816	.750	.900	.988

ALL TRAFFIC DATA

City of Oakland
All Vehicles & Uturns On Unshifted
Bikes & Peds On Bank 1
Heavy Trucks On Bank 2

(916) 771-8700

orders@atdtraffic.com

File Name : 16-7683-002 Telegraph Ave & W Grand Ave

Date : 9/29/2016

Bank 1 Count = Bikes & Peds

	Telegraph Ave Southbound					W Grand Ave Westbound					Telegraph Ave Northbound					W Grand Ave Eastbound					Total	Peds Total
START TIME	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	LEFT	THRU	RIGHT	PEDS	APP.TOTAL		
7:30	0	15	0	10	15	2	1	1	9	4	0	0	0	1	0	0	2	0	11	2	21	31
7:45	0	15	1	15	16	0	2	1	15	3	2	2	1	8	5	0	6	1	8	7	31	46
8:00	0	12	0	6	12	0	3	0	9	3	0	3	0	12	3	1	5	1	15	7	25	42
8:15	3	21	0	5	24	3	4	1	18	8	2	1	1	9	4	0	7	2	13	9	45	45
Total	3	63	1	36	67	5	10	3	51	18	4	6	2	30	12	1	20	4	47	25	122	164
8:30	3	21	0	2	24	0	9	0	6	9	0	1	0	8	1	3	10	3	8	16	50	24
8:45	1	32	1	8	34	1	4	0	12	5	0	4	0	3	4	3	8	0	9	11	54	32
9:00	2	19	2	5	23	1	4	0	14	5	0	4	0	8	4	0	3	3	23	6	38	50
9:15	1	21	0	5	22	1	2	0	12	3	1	2	0	6	3	0	5	2	26	7	35	49
Total	7	93	3	20	103	3	19	0	44	22	1	11	0	25	12	6	26	8	66	40	177	155
16:00	1	7	1	13	9	2	2	1	11	5	0	8	1	11	9	2	3	1	21	6	29	56
16:15	4	2	0	5	6	2	4	2	13	8	1	11	0	8	12	1	7	0	19	8	34	45
16:30	3	10	0	8	13	0	4	1	23	5	0	12	0	7	12	1	3	0	18	4	34	56
16:45	1	5	0	15	6	0	3	7	35	10	1	15	0	10	16	0	9	2	30	11	43	90
Total	9	24	1	41	34	4	13	11	82	28	2	46	1	36	49	4	22	3	88	29	140	247
17:00	0	9	1	14	10	2	5	4	35	11	0	26	0	8	26	1	3	1	19	5	52	76
17:15	1	7	2	21	10	0	4	5	26	9	1	18	4	8	23	0	6	0	15	6	48	70
17:30	0	8	0	14	8	0	2	3	32	5	3	27	0	11	30	1	5	2	30	8	51	87
17:45	1	3	0	11	4	1	4	4	33	9	0	21	0	12	21	1	4	1	25	6	40	81
Total	2	27	3	60	32	3	15	16	126	34	4	92	4	39	100	3	18	4	89	25	191	314
Grand Total	21	207	8	157	236	15	57	30	303	102	11	155	7	130	173	14	86	19	290	119	630	880
Apprch %	8.9%	87.7%	3.4%			14.7%	55.9%	29.4%			6.4%	89.6%	4.0%			11.8%	72.3%	16.0%				
Total %	3.3%	32.9%	1.3%		37.5%	2.4%	9.0%	4.8%		16.2%	1.7%	24.6%	1.1%		27.5%	2.2%	13.7%	3.0%		18.9%	100.0%	

AM PEAK HOUR	Telegraph Ave Southbound					W Grand Ave Westbound					Telegraph Ave Northbound					W Grand Ave Eastbound					Total
START TIME	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	
Peak Hour Analysis From 08:00 to 09:00																					
Peak Hour For Entire Intersection Begins at 08:00																					
8:00	0	12	0	6	12	0	3	0	9	3	0	3	0	12	3	1	5	1	15	7	25
8:15	3	21	0	5	24	3	4	1	18	8	2	1	1	9	4	0	7	2	13	9	45
8:30	3	21	0	2	24	0	9	0	6	9	0	1	0	8	1	3	10	3	8	16	50
8:45	1	32	1	8	34	1	4	0	12	5	0	4	0	3	4	3	8	0	9	11	54
Total Volume	7	86	1	21	94	4	20	1	45	25	2	9	1	32	12	7	30	6	45	43	174
% App Total	7.4%	91.5%	1.1%			16.0%	80.0%	4.0%			16.7%	75.0%	8.3%			16.3%	69.8%	14.0%			
PHF	.583	.672	.250		.691	.333	.556	.250		.694	.250	.563	.250		.750	.583	.750	.500		.672	.806

PM PEAK HOUR	Telegraph Ave Southbound					W Grand Ave Westbound					Telegraph Ave Northbound					W Grand Ave Eastbound					Total
START TIME	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	
Peak Hour Analysis From 17:00 to 18:00																					
Peak Hour For Entire Intersection Begins at 17:00																					
17:00	0	9	1	14	10	2	5	4	35	11	0	26	0	8	26	1	3	1	19	5	52
17:15	1	7	2	21	10	0	4	5	26	9	1	18	4	8	23	0	6	0	15	6	48
17:30	0	8	0	14	8	0	2	3	32	5	3	27	0	11	30	1	5	2	30	8	51
17:45	1	3	0	11	4	1	4	4	33	9	0	21	0	12	21	1	4	1	25	6	40
Total Volume	2	27	3	60	32	3	15	16	126	34	4	92	4	39	100	3	18	4	89	25	191
% App Total	6.3%	84.4%	9.4%			8.8%	44.1%	47.1%			4.0%	92.0%	4.0%			12.0%	72.0%	16.0%			
PHF	.500	.750	.375		.800	.375	.750	.800		.773	.333	.852	.250		.833	.750	.750	.500		.781	.918

ALL TRAFFIC DATA

City of Oakland
All Vehicles & Uturns On Unshifted
Bikes & Peds On Bank 1
Heavy Trucks On Bank 2

(916) 771-8700
orders@atdtraffic.com

File Name : 16-7683-003 Telegraph Ave & 24th St
Date : 9/29/2016

Unshifted Count = All Vehicles & Uturns

	Telegraph Ave Southbound					24th St Westbound					Telegraph Ave Northbound					24th St Eastbound					Total	Uturns Total
START TIME	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL		
7:30	0	55	0	0	55	0	0	0	0	0	1	62	0	0	63	1	0	7	0	8	126	0
7:45	0	65	5	0	70	0	0	0	0	0	1	78	0	0	79	4	0	6	0	10	159	0
8:00	0	78	6	0	84	0	0	0	0	0	5	81	0	0	86	8	0	19	0	27	197	0
8:15	0	66	3	0	69	0	0	0	0	0	1	91	0	0	92	6	0	7	0	13	174	0
Total	0	264	14	0	278	0	0	0	0	0	8	312	0	0	320	19	0	39	0	58	656	0
8:30	0	78	5	0	83	0	0	0	0	0	4	90	0	0	94	5	0	18	0	23	200	0
8:45	0	88	10	0	98	0	0	0	0	0	8	86	0	0	94	3	0	18	0	21	213	0
9:00	0	75	5	0	80	0	0	0	0	0	2	83	0	0	85	6	0	8	0	14	179	0
9:15	0	86	10	0	96	0	0	0	0	0	6	78	0	0	84	2	0	9	0	11	191	0
Total	0	327	30	0	357	0	0	0	0	0	20	337	0	0	357	16	0	53	0	69	783	0
16:00	0	96	5	0	101	0	0	0	0	0	3	113	0	1	117	7	0	2	0	9	227	1
16:15	0	106	8	0	114	0	0	0	0	0	4	112	0	0	116	7	0	7	0	14	244	0
16:30	0	110	5	0	115	0	0	0	0	0	6	110	0	0	116	2	0	3	0	5	236	0
16:45	0	110	1	0	111	0	0	0	0	0	5	116	0	0	121	6	0	5	1	12	244	1
Total	0	422	19	0	441	0	0	0	0	0	18	451	0	1	470	22	0	17	1	40	951	2
17:00	0	101	2	0	103	0	0	0	0	0	9	117	0	0	126	1	0	6	0	7	236	0
17:15	0	113	5	0	118	0	0	0	0	0	5	119	0	0	124	4	0	3	0	7	249	0
17:30	0	101	3	0	104	0	0	0	0	0	3	116	0	0	119	2	0	6	0	8	231	0
17:45	0	111	2	0	113	0	0	0	0	0	5	117	0	0	122	9	0	7	0	16	251	0
Total	0	426	12	0	438	0	0	0	0	0	22	469	0	0	491	16	0	22	0	38	967	0
Grand Total	0	1439	75	0	1514	0	0	0	0	0	68	1569	0	1	1638	73	0	131	1	205	3357	2
Apprch %	0.0%	95.0%	5.0%	0.0%		0.0%	0.0%	0.0%	0.0%		4.2%	95.8%	0.0%	0.1%		35.6%	0.0%	63.9%	0.5%			
Total %	0.0%	42.9%	2.2%	0.0%	45.1%	0.0%	0.0%	0.0%	0.0%	0.0%	2.0%	46.7%	0.0%	0.0%	48.8%	2.2%	0.0%	3.9%	0.0%	6.1%	100.0%	

AM PEAK HOUR	Telegraph Ave Southbound					24th St Westbound					Telegraph Ave Northbound					24th St Eastbound					Total
START TIME	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	
Peak Hour Analysis From 08:30 to 09:30																					
Peak Hour For Entire Intersection Begins at 08:30																					
8:30	0	78	5	0	83	0	0	0	0	0	4	90	0	0	94	5	0	18	0	23	200
8:45	0	88	10	0	98	0	0	0	0	0	8	86	0	0	94	3	0	18	0	21	213
9:00	0	75	5	0	80	0	0	0	0	0	2	83	0	0	85	6	0	8	0	14	179
9:15	0	86	10	0	96	0	0	0	0	0	6	78	0	0	84	2	0	9	0	11	191
Total Volume	0	327	30	0	357	0	0	0	0	0	20	337	0	0	357	16	0	53	0	69	783
% App Total	0.0%	91.6%	8.4%	0.0%		0.0%	0.0%	0.0%	0.0%		5.6%	94.4%	0.0%	0.0%		23.2%	0.0%	76.8%	0.0%		
PHF	.000	.929	.750	.000	.911	.000	.000	.000	.000	.000	.625	.936	.000	.000	.949	.667	.000	.736	.000	.750	.919

PM PEAK HOUR	Telegraph Ave Southbound					24th St Westbound					Telegraph Ave Northbound					24th St Eastbound					Total
START TIME	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	
Peak Hour Analysis From 17:00 to 18:00																					
Peak Hour For Entire Intersection Begins at 17:00																					
17:00	0	101	2	0	103	0	0	0	0	0	9	117	0	0	126	1	0	6	0	7	236
17:15	0	113	5	0	118	0	0	0	0	0	5	119	0	0	124	4	0	3	0	7	249
17:30	0	101	3	0	104	0	0	0	0	0	3	116	0	0	119	2	0	6	0	8	231
17:45	0	111	2	0	113	0	0	0	0	0	5	117	0	0	122	9	0	7	0	16	251
Total Volume	0	426	12	0	438	0	0	0	0	0	22	469	0	0	491	16	0	22	0	38	967
% App Total	0.0%	97.3%	2.7%	0.0%		0.0%	0.0%	0.0%	0.0%		4.5%	95.5%	0.0%	0.0%		42.1%	0.0%	57.9%	0.0%		
PHF	.000	.942	.600	.000	.928	.000	.000	.000	.000	.000	.611	.985	.000	.000	.974	.444	.000	.786	.000	.594	.963

ALL TRAFFIC DATA

City of Oakland
All Vehicles & Uturns On Unshifted
Bikes & Peds On Bank 1
Heavy Trucks On Bank 2

(916) 771-8700
orders@atdtraffic.com

File Name : 16-7683-003 Telegraph Ave & 24th St
Date : 9/29/2016

Bank 1 Count = Bikes & Peds

	Telegraph Ave Southbound					24th St Westbound					Telegraph Ave Northbound					24th St Eastbound					Total	Peds Total
START TIME	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	LEFT	THRU	RIGHT	PEDS	APP.TOTAL		
7:30	0	16	0	6	16	0	0	0	0	0	0	1	0	2	1	0	0	0	17	0	17	25
7:45	0	16	0	1	16	0	0	0	0	0	0	4	0	4	4	0	0	0	18	0	20	23
8:00	0	11	0	8	11	0	0	0	0	0	0	4	0	6	4	1	0	0	24	1	16	38
8:15	0	22	0	6	22	0	0	0	0	0	0	4	0	5	4	1	0	2	22	3	29	33
Total	0	65	0	21	65	0	0	0	0	0	0	13	0	17	13	2	0	2	81	4	82	119
8:30	0	25	0	0	25	0	0	0	0	0	0	3	0	4	3	0	0	1	13	1	29	17
8:45	0	32	0	14	32	0	0	0	0	0	0	8	0	7	8	0	0	0	22	0	40	43
9:00	0	26	0	6	26	0	0	0	0	0	0	4	0	5	4	0	0	1	27	1	31	38
9:15	0	21	0	9	21	0	0	0	0	0	0	4	0	2	4	0	0	0	25	0	25	36
Total	0	104	0	29	104	0	0	0	0	0	0	19	0	18	19	0	0	2	87	2	125	134
16:00	0	11	0	6	11	0	0	0	0	0	1	12	0	10	13	0	0	0	31	0	24	47
16:15	0	7	0	11	7	0	0	0	0	0	0	13	0	6	13	0	0	0	30	0	20	47
16:30	0	12	0	13	12	0	0	0	0	0	0	15	0	1	15	0	0	1	22	1	28	36
16:45	0	5	0	11	5	0	0	0	0	0	2	16	0	6	18	0	0	1	22	1	24	39
Total	0	35	0	41	35	0	0	0	0	0	3	56	0	23	59	0	0	2	105	2	96	169
17:00	0	13	1	26	14	0	0	0	0	0	0	22	0	8	22	0	0	0	30	0	36	64
17:15	0	8	0	6	8	0	0	0	0	0	1	24	0	9	25	1	0	2	28	3	36	43
17:30	0	11	0	11	11	0	0	0	0	0	0	33	0	11	33	0	0	0	29	0	44	51
17:45	0	7	1	18	8	0	0	0	0	0	0	25	0	11	25	0	0	0	37	0	33	66
Total	0	39	2	61	41	0	0	0	0	0	1	104	0	39	105	1	0	2	124	3	149	224
Grand Total	0	243	2	152	245	0	0	0	0	0	4	192	0	97	196	3	0	8	397	11	452	646
Apprch %	0.0%	99.2%	0.8%			0.0%	0.0%	0.0%			2.0%	98.0%	0.0%			27.3%	0.0%	72.7%				
Total %	0.0%	53.8%	0.4%		54.2%	0.0%	0.0%	0.0%		0.0%	0.9%	42.5%	0.0%		43.4%	0.7%	0.0%	1.8%		2.4%	100.0%	

AM PEAK HOUR	Telegraph Ave Southbound					24th St Westbound					Telegraph Ave Northbound					24th St Eastbound					Total
START TIME	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	
Peak Hour Analysis From 08:30 to 09:30																					
Peak Hour For Entire Intersection Begins at 08:30																					
8:30	0	25	0	0	25	0	0	0	0	0	0	3	0	4	3	0	0	1	13	1	29
8:45	0	32	0	14	32	0	0	0	0	0	0	8	0	7	8	0	0	0	22	0	40
9:00	0	26	0	6	26	0	0	0	0	0	0	4	0	5	4	0	0	1	27	1	31
9:15	0	21	0	9	21	0	0	0	0	0	0	4	0	2	4	0	0	0	25	0	25
Total Volume	0	104	0	29	104	0	0	0	0	0	0	19	0	18	19	0	0	2	87	2	125
% App Total	0.0%	100.0%	0.0%			0.0%	0.0%	0.0%			0.0%	100.0%	0.0%			0.0%	0.0%	100.0%			
PHF	.000	.813	.000		.813	.000	.000	.000		.000	.000	.594	.000	.000	.594	.000	.000	.500		.500	.781

PM PEAK HOUR	Telegraph Ave Southbound					24th St Westbound					Telegraph Ave Northbound					24th St Eastbound					Total
START TIME	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	
Peak Hour Analysis From 17:00 to 18:00																					
Peak Hour For Entire Intersection Begins at 17:00																					
17:00	0	13	1	26	14	0	0	0	0	0	0	22	0	8	22	0	0	0	30	0	36
17:15	0	8	0	6	8	0	0	0	0	0	1	24	0	9	25	1	0	2	28	3	36
17:30	0	11	0	11	11	0	0	0	0	0	0	33	0	11	33	0	0	0	29	0	44
17:45	0	7	1	18	8	0	0	0	0	0	0	25	0	11	25	0	0	0	37	0	33
Total Volume	0	39	2	61	41	0	0	0	0	0	1	104	0	39	105	1	0	2	124	3	149
% App Total	0.0%	95.1%	4.9%			0.0%	0.0%	0.0%			1.0%	99.0%	0.0%			33.3%	0.0%	66.7%			
PHF	.000	.750	.500		.732	.000	.000	.000		.000	.250	.788	.000		.795	.250	.000	.250		.250	.847

ALL TRAFFIC DATA

City of Oakland
All Vehicles & Uturns On Unshifted
Bikes & Peds On Bank 1
Heavy Trucks On Bank 2

(916) 771-8700

orders@atdtraffic.com

File Name : 16-7683-004 Telegraph Ave & 26th St

Date : 9/29/2016

Unshifted Count = All Vehicles & Uturns

	Telegraph Ave Southbound					26th St Westbound					Telegraph Ave Northbound					26th St Eastbound					Total	Uturns Total
START TIME	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL		
7:30	0	47	0	0	47	2	0	5	0	7	0	58	7	0	65	0	0	0	0	0	119	0
7:45	6	63	0	0	69	1	0	7	0	8	0	78	2	1	81	0	0	0	0	0	158	1
8:00	7	84	0	0	91	3	0	3	0	6	0	81	3	0	84	0	0	0	0	0	181	0
8:15	4	59	0	0	63	4	0	2	0	6	0	81	11	0	92	0	0	0	0	0	161	0
Total	17	253	0	0	270	10	0	17	0	27	0	298	23	1	322	0	0	0	0	0	619	1
8:30	4	89	0	0	93	1	0	3	0	4	0	84	5	1	90	0	0	0	0	0	187	1
8:45	5	94	0	0	99	0	0	5	0	5	0	89	2	1	92	0	0	0	0	0	196	1
9:00	3	87	0	0	90	2	0	0	0	2	0	88	5	0	93	0	0	0	0	0	185	0
9:15	4	91	0	0	95	1	0	5	0	6	0	80	1	0	81	0	0	0	0	0	182	0
Total	16	361	0	0	377	4	0	13	0	17	0	341	13	2	356	0	0	0	0	0	750	2
16:00	7	109	0	2	118	1	0	9	0	10	0	109	2	2	113	0	0	0	0	0	241	4
16:15	6	112	0	0	118	1	0	8	0	9	0	114	4	1	119	0	0	0	0	0	246	1
16:30	6	120	0	0	126	1	0	5	0	6	0	124	8	0	132	0	0	0	0	0	264	0
16:45	4	110	0	0	114	3	0	8	0	11	0	104	7	1	112	0	0	0	0	0	237	1
Total	23	451	0	2	476	6	0	30	0	36	0	451	21	4	476	0	0	0	0	0	988	6
17:00	6	118	0	0	124	2	0	8	0	10	0	112	5	0	117	0	0	0	0	0	251	0
17:15	4	121	0	0	125	5	0	9	0	14	0	118	4	0	122	0	0	0	0	0	261	0
17:30	4	112	0	0	116	3	0	5	0	8	0	115	8	0	123	0	0	0	0	0	247	0
17:45	4	115	0	0	119	2	0	9	0	11	0	120	9	0	129	0	0	0	0	0	259	0
Total	18	466	0	0	484	12	0	31	0	43	0	465	26	0	491	0	0	0	0	0	1018	0
Grand Total	74	1531	0	2	1607	32	0	91	0	123	0	1555	83	7	1645	0	0	0	0	0	3375	9
Apprch %	4.6%	95.3%	0.0%	0.1%		26.0%	0.0%	74.0%	0.0%		0.0%	94.5%	5.0%	0.4%		0.0%	0.0%	0.0%	0.0%			
Total %	2.2%	45.4%	0.0%	0.1%	47.6%	0.9%	0.0%	2.7%	0.0%	3.6%	0.0%	46.1%	2.5%	0.2%	48.7%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	

AM PEAK HOUR	Telegraph Ave Southbound					26th St Westbound					Telegraph Ave Northbound					26th St Eastbound					Total
START TIME	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	
Peak Hour Analysis From 08:30 to 09:30																					
Peak Hour For Entire Intersection Begins at 08:30																					
8:30	4	89	0	0	93	1	0	3	0	4	0	84	5	1	90	0	0	0	0	0	187
8:45	5	94	0	0	99	0	0	5	0	5	0	89	2	1	92	0	0	0	0	0	196
9:00	3	87	0	0	90	2	0	0	0	2	0	88	5	0	93	0	0	0	0	0	185
9:15	4	91	0	0	95	1	0	5	0	6	0	80	1	0	81	0	0	0	0	0	182
Total Volume	16	361	0	0	377	4	0	13	0	17	0	341	13	2	356	0	0	0	0	0	750
% App Total	4.2%	95.8%	0.0%	0.0%		23.5%	0.0%	76.5%	0.0%		0.0%	95.8%	3.7%	0.6%		0.0%	0.0%	0.0%	0.0%		
PHF	.800	.960	.000	.000	.952	.500	.000	.650	.000	.708	.000	.958	.650	.500	.957	.000	.000	.000	.000	.000	.957

PM PEAK HOUR	Telegraph Ave Southbound					26th St Westbound					Telegraph Ave Northbound					26th St Eastbound					Total
START TIME	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	
Peak Hour Analysis From 17:00 to 18:00																					
Peak Hour For Entire Intersection Begins at 17:00																					
17:00	6	118	0	0	124	2	0	8	0	10	0	112	5	0	117	0	0	0	0	0	251
17:15	4	121	0	0	125	5	0	9	0	14	0	118	4	0	122	0	0	0	0	0	261
17:30	4	112	0	0	116	3	0	5	0	8	0	115	8	0	123	0	0	0	0	0	247
17:45	4	115	0	0	119	2	0	9	0	11	0	120	9	0	129	0	0	0	0	0	259
Total Volume	18	466	0	0	484	12	0	31	0	43	0	465	26	0	491	0	0	0	0	0	1018
% App Total	3.7%	96.3%	0.0%	0.0%		27.9%	0.0%	72.1%	0.0%		0.0%	94.7%	5.3%	0.0%		0.0%	0.0%	0.0%	0.0%		
PHF	.750	.963	.000	.000	.968	.600	.000	.861	.000	.768	.000	.969	.722	.000	.952	.000	.000	.000	.000	.000	.975

ALL TRAFFIC DATA

City of Oakland
All Vehicles & Uturns On Unshifted
Bikes & Peds On Bank 1
Heavy Trucks On Bank 2

(916) 771-8700
orders@atdtraffic.com

File Name : 16-7683-004 Telegraph Ave & 26th St
Date : 9/29/2016

Bank 1 Count = Bikes & Peds

	Telegraph Ave Southbound					26th St Westbound					Telegraph Ave Northbound					26th St Eastbound					Total	Peds Total
START TIME	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	LEFT	THRU	RIGHT	PEDS	APP.TOTAL		
7:30	0	15	0	0	15	2	0	0	8	2	0	1	0	0	1	0	0	0	0	0	18	8
7:45	0	13	0	2	13	0	0	0	6	0	0	4	0	5	4	0	0	0	0	0	17	13
8:00	0	16	0	0	16	0	0	0	10	0	0	5	0	5	5	0	0	0	0	0	21	15
8:15	2	21	0	3	23	0	0	0	11	0	0	3	0	1	3	0	0	0	0	0	26	15
Total	2	65	0	5	67	2	0	0	35	2	0	13	0	11	13	0	0	0	0	0	82	51
8:30	0	28	0	3	28	0	0	1	8	1	0	2	0	1	2	0	0	0	0	0	31	12
8:45	1	37	0	0	38	1	0	0	7	1	0	5	1	0	6	0	0	0	0	0	45	7
9:00	0	23	0	0	23	2	0	0	9	2	0	5	0	1	5	0	0	0	0	0	30	10
9:15	0	20	0	0	20	1	0	0	6	1	0	3	0	0	3	0	0	0	0	0	24	6
Total	1	108	0	3	109	4	0	1	30	5	0	15	1	2	16	0	0	0	0	0	130	35
16:00	0	19	0	4	19	0	0	0	16	0	0	9	0	6	9	0	0	0	0	0	28	26
16:15	0	2	0	3	2	1	0	1	8	2	0	15	1	3	16	0	0	0	0	0	20	14
16:30	0	8	0	4	8	1	0	1	10	2	0	13	1	9	14	0	0	0	0	0	24	23
16:45	1	5	0	1	6	0	0	0	20	0	0	18	0	3	18	0	0	0	0	0	24	24
Total	1	34	0	12	35	2	0	2	54	4	0	55	2	21	57	0	0	0	0	0	96	87
17:00	0	9	0	2	9	0	0	1	6	1	0	24	2	3	26	0	0	0	0	0	36	11
17:15	0	11	0	4	11	0	0	1	20	1	0	23	0	5	23	0	0	0	0	0	35	29
17:30	0	7	0	9	7	0	0	0	25	0	0	29	1	2	30	0	0	0	0	0	37	36
17:45	0	13	0	4	13	0	0	0	12	0	0	19	1	3	20	0	0	0	0	0	33	19
Total	0	40	0	19	40	0	0	2	63	2	0	95	4	13	99	0	0	0	0	0	141	95
Grand Total	4	247	0	39	251	8	0	5	182	13	0	178	7	47	185	0	0	0	0	0	449	268
Apprch %	1.6%	98.4%	0.0%			61.5%	0.0%	38.5%			0.0%	96.2%	3.8%			0.0%	0.0%	0.0%				
Total %	0.9%	55.0%	0.0%		55.9%	1.8%	0.0%	1.1%		2.9%	0.0%	39.6%	1.6%		41.2%	0.0%	0.0%	0.0%		0.0%	100.0%	

AM PEAK HOUR	Telegraph Ave Southbound					26th St Westbound					Telegraph Ave Northbound					26th St Eastbound					Total
START TIME	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	
Peak Hour Analysis From 08:30 to 09:30																					
Peak Hour For Entire Intersection Begins at 08:30																					
8:30	0	28	0	3	28	0	0	1	8	1	0	2	0	1	2	0	0	0	0	0	31
8:45	1	37	0	0	38	1	0	0	7	1	0	5	1	0	6	0	0	0	0	0	45
9:00	0	23	0	0	23	2	0	0	9	2	0	5	0	1	5	0	0	0	0	0	30
9:15	0	20	0	0	20	1	0	0	6	1	0	3	0	0	3	0	0	0	0	0	24
Total Volume	1	108	0	3	109	4	0	1	30	5	0	15	1	2	16	0	0	0	0	0	130
% App Total	0.9%	99.1%	0.0%			80.0%	0.0%	20.0%			0.0%	93.8%	6.3%			0.0%	0.0%	0.0%			
PHF	.250	.730	.000		.717	.500	.000	.250		.625	.000	.750	.250		.667	.000	.000	.000		.000	.722

PM PEAK HOUR	Telegraph Ave Southbound					26th St Westbound					Telegraph Ave Northbound					26th St Eastbound					Total
START TIME	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	
Peak Hour Analysis From 17:00 to 18:00																					
Peak Hour For Entire Intersection Begins at 17:00																					
17:00	0	9	0	2	9	0	0	1	6	1	0	24	2	3	26	0	0	0	0	0	36
17:15	0	11	0	4	11	0	0	1	20	1	0	23	0	5	23	0	0	0	0	0	35
17:30	0	7	0	9	7	0	0	0	25	0	0	29	1	2	30	0	0	0	0	0	37
17:45	0	13	0	4	13	0	0	0	12	0	0	19	1	3	20	0	0	0	0	0	33
Total Volume	0	40	0	19	40	0	0	2	63	2	0	95	4	13	99	0	0	0	0	0	141
% App Total	0.0%	100.0%	0.0%			0.0%	0.0%	100.0%			0.0%	96.0%	4.0%			0.0%	0.0%	0.0%			
PHF	.000	.769	.000		.769	.000	.000	.500		.500	.000	.819	.500		.825	.000	.000	.000		.000	.953

ALL TRAFFIC DATA

City of Oakland
All Vehicles & Uturns On Unshifted
Bikes & Peds On Bank 1
Heavy Trucks On Bank 2

(916) 771-8700

orders@atdtraffic.com

File Name : 16-7683-005 Telegraph Ave & 27th St

Date : 9/29/2016

Unshifted Count = All Vehicles & Uturns

	Telegraph Ave Southbound					27th St Westbound					Telegraph Ave Northbound					27th St Eastbound					Total	Uturns Total
START TIME	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL		
7:30	8	35	30	0	73	3	25	8	0	36	7	50	2	0	59	55	58	11	1	125	293	1
7:45	6	44	28	0	78	5	34	19	3	61	12	67	10	0	89	58	70	23	1	152	380	4
8:00	11	57	33	0	101	9	70	15	3	97	13	63	5	0	81	63	86	18	1	168	447	4
8:15	7	45	28	0	80	3	64	27	3	97	16	65	5	0	86	54	79	18	2	153	416	5
Total	32	181	119	0	332	20	193	69	9	291	48	245	22	0	315	230	293	70	5	598	1536	14
8:30	14	64	26	0	104	7	53	30	1	91	16	64	5	0	85	65	117	20	2	204	484	3
8:45	12	63	41	0	116	8	54	25	5	92	14	77	7	0	98	72	93	28	1	194	500	6
9:00	12	66	32	0	110	5	59	23	4	91	15	59	14	0	88	55	91	20	0	166	455	4
9:15	9	56	26	0	91	14	66	15	5	100	13	62	6	0	81	53	84	29	2	168	440	7
Total	47	249	125	0	421	34	232	93	15	374	58	262	32	0	352	245	385	97	5	732	1879	20
16:00	21	84	74	0	179	4	106	20	4	134	33	72	12	0	117	39	89	23	3	154	584	7
16:15	27	83	60	0	170	15	79	22	7	123	22	87	10	0	119	30	87	20	1	138	550	8
16:30	21	102	71	0	194	9	103	30	4	146	27	94	14	0	135	29	79	26	1	135	610	5
16:45	20	73	69	0	162	7	94	23	5	129	13	78	16	0	107	44	111	29	2	186	584	7
Total	89	342	274	0	705	35	382	95	20	532	95	331	52	0	478	142	366	98	7	613	2328	27
17:00	27	87	87	0	201	13	100	17	4	134	25	86	11	1	123	26	95	27	1	149	607	6
17:15	11	86	62	0	159	9	107	19	3	138	30	88	8	0	126	33	144	32	2	211	634	5
17:30	29	84	51	0	164	4	79	31	2	116	20	77	19	0	116	34	164	22	0	220	616	2
17:45	23	88	46	0	157	16	62	21	0	99	31	92	11	0	134	30	126	18	2	176	566	2
Total	90	345	246	0	681	42	348	88	9	487	106	343	49	1	499	123	529	99	5	756	2423	15
Grand Total	258	1117	764	0	2139	131	1155	345	53	1684	307	1181	155	1	1644	740	1573	364	22	2699	8166	76
Apprch %	12.1%	52.2%	35.7%	0.0%		7.8%	68.6%	20.5%	3.1%		18.7%	71.8%	9.4%	0.1%		27.4%	58.3%	13.5%	0.8%			
Total %	3.2%	13.7%	9.4%	0.0%	26.2%	1.6%	14.1%	4.2%	0.6%	20.6%	3.8%	14.5%	1.9%	0.0%	20.1%	9.1%	19.3%	4.5%	0.3%	33.1%	100.0%	

AM PEAK HOUR	Telegraph Ave Southbound					27th St Westbound					Telegraph Ave Northbound					27th St Eastbound					Total
START TIME	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	
Peak Hour Analysis From 08:30 to 09:30																					
Peak Hour For Entire Intersection Begins at 08:30																					
8:30	14	64	26	0	104	7	53	30	1	91	16	64	5	0	85	65	117	20	2	204	484
8:45	12	63	41	0	116	8	54	25	5	92	14	77	7	0	98	72	93	28	1	194	500
9:00	12	66	32	0	110	5	59	23	4	91	15	59	14	0	88	55	91	20	0	166	455
9:15	9	56	26	0	91	14	66	15	5	100	13	62	6	0	81	53	84	29	2	168	440
Total Volume	47	249	125	0	421	34	232	93	15	374	58	262	32	0	352	245	385	97	5	732	1879
% App Total	11.2%	59.1%	29.7%	0.0%		9.1%	62.0%	24.9%	4.0%		16.5%	74.4%	9.1%	0.0%		33.5%	52.6%	13.3%	0.7%		
PHF	.839	.943	.762	.000	.907	.607	.879	.775	.750	.935	.906	.851	.571	.000	.898	.851	.823	.836	.625	.897	.940

PM PEAK HOUR	Telegraph Ave Southbound					27th St Westbound					Telegraph Ave Northbound					27th St Eastbound					Total
START TIME	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	
Peak Hour Analysis From 16:45 to 17:45																					
Peak Hour For Entire Intersection Begins at 16:45																					
16:45	20	73	69	0	162	7	94	23	5	129	13	78	16	0	107	44	111	29	2	186	584
17:00	27	87	87	0	201	13	100	17	4	134	25	86	11	1	123	26	95	27	1	149	607
17:15	11	86	62	0	159	9	107	19	3	138	30	88	8	0	126	33	144	32	2	211	634
17:30	29	84	51	0	164	4	79	31	2	116	20	77	19	0	116	34	164	22	0	220	616
Total Volume	87	330	269	0	686	33	380	90	14	517	88	329	54	1	472	137	514	110	5	766	2441
% App Total	12.7%	48.1%	39.2%	0.0%		6.4%	73.5%	17.4%	2.7%		18.6%	69.7%	11.4%	0.2%		17.9%	67.1%	14.4%	0.7%		
PHF	.750	.948	.773	.000	.853	.635	.888	.726	.700	.937	.733	.935	.711	.250	.937	.778	.784	.859	.625	.870	.963

ALL TRAFFIC DATA

City of Oakland
All Vehicles & Uturns On Unshifted
Bikes & Peds On Bank 1
Heavy Trucks On Bank 2

(916) 771-8700

orders@atdtraffic.com

File Name : 16-7683-005 Telegraph Ave & 27th St

Date : 9/29/2016

Bank 1 Count = Bikes & Peds

	Telegraph Ave Southbound					27th St Westbound					Telegraph Ave Northbound					27th St Eastbound					Total	Peds Total
START TIME	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	LEFT	THRU	RIGHT	PEDS	APP.TOTAL		
7:30	0	13	0	1	13	0	6	4	9	10	0	1	0	2	1	0	0	1	1	1	25	13
7:45	1	14	0	6	15	0	5	3	1	8	1	3	1	3	5	1	1	0	10	2	30	20
8:00	0	14	0	5	14	2	4	2	7	8	0	6	0	4	6	0	2	1	6	3	31	22
8:15	0	24	0	0	24	0	5	3	11	8	0	6	0	5	6	0	1	1	9	2	40	25
Total	1	65	0	12	66	2	20	12	28	34	1	16	1	14	18	1	4	3	26	8	126	80
8:30	0	25	1	2	26	0	2	1	9	3	1	1	1	2	3	0	0	1	6	1	33	19
8:45	3	35	0	5	38	2	2	1	7	5	1	5	1	4	7	0	3	1	6	4	54	22
9:00	0	20	0	6	20	0	2	0	13	2	0	6	0	3	6	0	0	2	8	2	30	30
9:15	1	20	1	3	22	0	4	2	4	6	0	3	0	2	3	0	2	0	9	2	33	18
Total	4	100	2	16	106	2	10	4	33	16	2	15	2	11	19	0	5	4	29	9	150	89
16:00	1	4	0	7	5	1	0	0	13	1	2	11	0	9	13	0	0	0	15	0	19	44
16:15	3	5	0	1	8	1	4	1	3	6	2	12	1	2	15	2	3	1	6	6	35	12
16:30	0	8	0	2	8	0	3	3	2	6	3	11	0	8	14	0	1	1	12	2	30	24
16:45	0	4	0	3	4	0	3	6	10	9	0	15	0	3	15	0	1	0	10	1	29	26
Total	4	21	0	13	25	2	10	10	28	22	7	49	1	22	57	2	5	2	43	9	113	106
17:00	2	8	0	3	10	0	3	1	9	4	2	22	0	5	24	1	2	1	7	4	42	24
17:15	4	9	0	4	13	0	4	1	22	5	2	21	2	5	25	0	4	1	16	5	48	47
17:30	1	7	0	4	8	1	7	2	10	10	0	25	0	11	25	0	2	2	20	4	47	45
17:45	3	13	0	5	16	1	5	2	7	8	2	21	1	5	24	0	7	0	16	7	55	33
Total	10	37	0	16	47	2	19	6	48	27	6	89	3	26	98	1	15	4	59	20	192	149
Grand Total	19	223	2	57	244	8	59	32	137	99	16	169	7	73	192	4	29	13	157	46	581	424
Apprch %	7.8%	91.4%	0.8%			8.1%	59.6%	32.3%			8.3%	88.0%	3.6%			8.7%	63.0%	28.3%				
Total %	3.3%	38.4%	0.3%		42.0%	1.4%	10.2%	5.5%		17.0%	2.8%	29.1%	1.2%		33.0%	0.7%	5.0%	2.2%		7.9%	100.0%	

AM PEAK HOUR	Telegraph Ave Southbound					27th St Westbound					Telegraph Ave Northbound					27th St Eastbound					Total
START TIME	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	
Peak Hour Analysis From 08:30 to 09:30																					
Peak Hour For Entire Intersection Begins at 08:30																					
8:30	0	25	1	2	26	0	2	1	9	3	1	1	1	2	3	0	0	1	6	1	33
8:45	3	35	0	5	38	2	2	1	7	5	1	5	1	4	7	0	3	1	6	4	54
9:00	0	20	0	6	20	0	2	0	13	2	0	6	0	3	6	0	0	2	8	2	30
9:15	1	20	1	3	22	0	4	2	4	6	0	3	0	2	3	0	2	0	9	2	33
Total Volume	4	100	2	16	106	2	10	4	33	16	2	15	2	11	19	0	5	4	29	9	150
% App Total	3.8%	94.3%	1.9%			12.5%	62.5%	25.0%			10.5%	78.9%	10.5%			0.0%	55.6%	44.4%			
PHF	.333	.714	.500		.697	.250	.625	.500		.667	.500	.625	.500		.679	.000	.417	.500		.563	.694

PM PEAK HOUR	Telegraph Ave Southbound					27th St Westbound					Telegraph Ave Northbound					27th St Eastbound					Total
START TIME	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	LEFT	THRU	RIGHT	PEDS	APP.TOTAL	
Peak Hour Analysis From 16:45 to 17:45																					
Peak Hour For Entire Intersection Begins at 16:45																					
16:45	0	4	0	3	4	0	3	6	10	9	0	15	0	3	15	0	1	0	10	1	29
17:00	2	8	0	3	10	0	3	1	9	4	2	22	0	5	24	1	2	1	7	4	42
17:15	4	9	0	4	13	0	4	1	22	5	2	21	2	5	25	0	4	1	16	5	48
17:30	1	7	0	4	8	1	7	2	10	10	0	25	0	11	25	0	2	2	20	4	47
Total Volume	7	28	0	14	35	1	17	10	51	28	4	83	2	24	89	1	9	4	53	14	166
% App Total	20.0%	80.0%	0.0%			3.6%	60.7%	35.7%			4.5%	93.3%	2.2%			7.1%	64.3%	28.6%			
PHF	.438	.778	.000		.673	.250	.607	.417		.700	.500	.830	.250		.890	.250	.563	.500		.700	.865

ALL TRAFFIC DATA

City of Oakland
All Vehicles & Uturns On Unshifted
Bikes & Peds On Bank 1
Heavy Trucks On Bank 2

(916) 771-8700
orders@atdtraffic.com

File Name : 16-7683-006 Telegraph Ave & 29th St
Date : 9/29/2016

Unshifted Count = All Vehicles & Uturns

	Telegraph Ave Southbound					29th St Westbound					Telegraph Ave Northbound					29th St Eastbound					Total	Uturns Total
START TIME	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL		
7:30	6	61	2	0	69	3	4	13	0	20	3	88	8	0	99	3	3	2	0	8	196	0
7:45	3	63	0	0	66	7	6	14	0	27	3	128	13	0	144	3	11	6	0	20	257	0
8:00	4	73	6	0	83	16	6	13	0	35	3	105	17	0	125	4	15	4	2	25	268	2
8:15	12	63	4	0	79	12	6	14	0	32	4	116	21	0	141	5	13	4	0	22	274	0
Total	25	260	12	0	297	38	22	54	0	114	13	437	59	0	509	15	42	16	2	75	995	2
8:30	11	83	6	0	100	12	4	10	1	27	2	127	13	0	142	7	19	4	0	30	299	1
8:45	10	91	8	0	109	12	13	14	0	39	6	121	16	0	143	4	19	2	0	25	316	0
9:00	9	84	3	0	96	13	4	12	0	29	4	113	16	0	133	0	16	5	1	22	280	1
9:15	8	72	4	0	84	9	13	13	0	35	1	102	13	0	116	8	10	5	0	23	258	0
Total	38	330	21	0	389	46	34	49	1	130	13	463	58	0	534	19	64	16	1	100	1153	2
16:00	9	136	8	0	153	22	16	20	0	58	8	105	8	0	121	3	10	4	0	17	349	0
16:15	14	134	10	0	158	14	12	17	0	43	2	111	10	0	123	3	10	5	0	18	342	0
16:30	9	137	11	0	157	21	15	23	0	59	5	122	9	0	136	3	11	6	0	20	372	0
16:45	5	139	5	0	149	25	12	5	0	42	5	118	15	0	138	6	12	1	0	19	348	0
Total	37	546	34	0	617	82	55	65	0	202	20	456	42	0	518	15	43	16	0	74	1411	0
17:00	8	144	14	0	166	30	19	16	0	65	4	103	9	0	116	4	16	7	0	27	374	0
17:15	7	141	1	0	149	16	15	12	1	44	3	125	11	0	139	3	17	6	0	26	358	1
17:30	11	131	6	0	148	15	13	16	2	46	4	115	10	0	129	3	17	2	0	22	345	2
17:45	16	122	9	0	147	15	10	10	0	35	4	115	11	0	130	4	17	9	0	30	342	0
Total	42	538	30	0	610	76	57	54	3	190	15	458	41	0	514	14	67	24	0	105	1419	3
Grand Total	142	1674	97	0	1913	242	168	222	4	636	61	1814	200	0	2075	63	216	72	3	354	4978	7
Apprch %	7.4%	87.5%	5.1%	0.0%		38.1%	26.4%	34.9%	0.6%		2.9%	87.4%	9.6%	0.0%		17.8%	61.0%	20.3%	0.8%			
Total %	2.9%	33.6%	1.9%	0.0%	38.4%	4.9%	3.4%	4.5%	0.1%	12.8%	1.2%	36.4%	4.0%	0.0%	41.7%	1.3%	4.3%	1.4%	0.1%	7.1%	100.0%	

AM PEAK HOUR	Telegraph Ave Southbound					29th St Westbound					Telegraph Ave Northbound					29th St Eastbound					Total
START TIME	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	
Peak Hour Analysis From 08:15 to 09:15																					
Peak Hour For Entire Intersection Begins at 08:15																					
8:15	12	63	4	0	79	12	6	14	0	32	4	116	21	0	141	5	13	4	0	22	274
8:30	11	83	6	0	100	12	4	10	1	27	2	127	13	0	142	7	19	4	0	30	299
8:45	10	91	8	0	109	12	13	14	0	39	6	121	16	0	143	4	19	2	0	25	316
9:00	9	84	3	0	96	13	4	12	0	29	4	113	16	0	133	0	16	5	1	22	280
Total Volume	42	321	21	0	384	49	27	50	1	127	16	477	66	0	559	16	67	15	1	99	1169
% App Total	10.9%	83.6%	5.5%	0.0%		38.6%	21.3%	39.4%	0.8%		2.9%	85.3%	11.8%	0.0%		16.2%	67.7%	15.2%	1.0%		
PHF	.875	.882	.656	.000	.881	.942	.519	.893	.250	.814	.667	.939	.786	.000	.977	.571	.882	.750	.250	.825	.925

PM PEAK HOUR	Telegraph Ave Southbound					29th St Westbound					Telegraph Ave Northbound					29th St Eastbound					Total
START TIME	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	
Peak Hour Analysis From 16:30 to 17:30																					
Peak Hour For Entire Intersection Begins at 16:30																					
16:30	9	137	11	0	157	21	15	23	0	59	5	122	9	0	136	3	11	6	0	20	372
16:45	5	139	5	0	149	25	12	5	0	42	5	118	15	0	138	6	12	1	0	19	348
17:00	8	144	14	0	166	30	19	16	0	65	4	103	9	0	116	4	16	7	0	27	374
17:15	7	141	1	0	149	16	15	12	1	44	3	125	11	0	139	3	17	6	0	26	358
Total Volume	29	561	31	0	621	92	61	56	1	210	17	468	44	0	529	16	56	20	0	92	1452
% App Total	4.7%	90.3%	5.0%	0.0%		43.8%	29.0%	26.7%	0.5%		3.2%	88.5%	8.3%	0.0%		17.4%	60.9%	21.7%	0.0%		
PHF	.806	.974	.554	.000	.935	.767	.803	.609	.250	.808	.850	.936	.733	.000	.951	.667	.824	.714	.000	.852	.971

ALL TRAFFIC DATA

(916) 771-3700

orders@aidtraffic.com

Bank 1 Count = Bikes & Peds

Telegraph Ave Southbound						29th St Westbound						Telegraph Ave Northbound						29th St Eastbound					
START TIME	LEFT	THRU	RIGHT	PEDS	APP TOTAL	LEFT	THRU	RIGHT	PEDS	APP TOTAL	LEFT	THRU	RIGHT	PEDS	APP TOTAL	LEFT	THRU	RIGHT	PEDS	APP TOTAL	Total	Peds Total	
7:30	1	13	0	3	14	0	0	1	8	1	0	6	0	6	6	0	0	1	6	1	22	23	
7:45	0	13	0	4	13	0	0	0	1	0	0	6	0	2	6	0	0	1	14	1	20	21	
8:00	0	16	0	3	16	0	0	0	5	0	0	5	0	6	5	0	0	0	5	0	21	19	
8:15	0	17	0	0	17	0	0	0	7	0	0	6	0	5	6	1	0	0	10	1	24	22	
Total	1	59	0	10	60	0	0	1	21	1	0	23	0	19	23	1	0	2	35	3	87	85	
8:30	1	25	0	4	26	2	0	0	1	2	0	6	0	5	6	0	0	0	4	0	34	14	
8:45	0	36	0	3	36	1	0	0	2	1	0	3	0	6	3	0	0	1	3	1	41	14	
9:00	0	18	0	2	18	0	0	0	8	0	0	9	1	2	10	0	1	0	7	1	29	19	
9:15	0	20	0	4	20	0	0	0	6	0	0	6	0	3	6	0	0	0	5	0	26	18	
Total	1	99	0	13	100	3	0	0	17	3	0	24	1	16	25	0	1	1	19	2	130	65	
16:00	0	6	0	10	6	1	0	0	9	1	2	9	0	3	11	0	0	0	14	0	18	36	
16:15	0	6	0	9	6	0	0	0	22	0	1	13	0	6	14	0	0	1	16	1	21	53	
16:30	0	8	1	3	9	1	0	0	5	1	0	11	0	3	11	0	1	0	6	1	22	17	
16:45	1	3	0	2	4	0	1	0	9	1	0	15	0	4	15	0	0	0	12	0	20	27	
Total	1	23	1	24	25	2	1	0	45	3	3	48	0	16	51	0	1	1	48	2	81	133	
17:00	1	11	0	1	12	1	1	4	5	6	0	16	2	6	18	0	1	0	10	1	37	22	
17:15	0	13	0	3	13	0	1	1	10	2	1	22	0	3	23	0	1	0	14	1	39	30	
17:30	0	7	0	5	7	0	0	2	4	2	2	20	0	3	22	0	0	0	10	0	31	22	
17:45	0	12	0	8	12	0	0	0	5	0	1	16	1	2	18	1	0	2	17	3	33	32	
Total	1	43	0	17	44	1	2	7	24	10	4	74	3	14	81	1	2	2	51	5	140	106	
Grand Total	4	224	1	64	229	6	3	8	107	17	7	169	4	65	180	2	4	6	153	12	438	389	
Apprch %	1.7%	97.8%	0.4%			35.3%	17.6%	47.1%		3.9%	1.6%	93.9%	2.2%		41.1%	16.7%	33.3%	50.0%			2.7%		
Total %	0.9%	51.1%	0.2%		52.3%	1.4%	0.7%	1.8%		3.9%		38.6%	0.9%			0.5%	0.9%	1.4%			100.0%		

AM PEAK HOUR		Telegraph Ave Southbound					29th St Westbound					Telegraph Ave Northbound					29th St Eastbound				
START TIME	LEFT	THRU	RIGHT	PEDS	APP TOTAL	LEFT	THRU	RIGHT	PEDS	APP TOTAL	LEFT	THRU	RIGHT	PEDS	APP TOTAL	LEFT	THRU	RIGHT	PEDS	APP TOTAL	Total
Peak Hour For Entire Intersection Begins at 08:15																					
8:15	0	17	0	0	17	0	0	0	7	0	0	6	0	5	6	1	0	0	10	1	24
8:30	1	25	0	4	26	2	0	0	1	2	0	6	0	5	6	0	0	0	4	0	34
8:45	0	36	0	3	36	1	0	0	2	1	0	3	0	6	3	0	0	1	3	1	41
9:00	0	18	0	2	18	0	0	0	8	0	0	9	1	2	10	0	1	0	7	1	29
Total Volume	1	96	0	9	97	3	0	0	18	3	0	24	1	18	25	1	1	1	24	3	128
% App Total	1.0%	99.0%	0.0%		100.0%	3.75	.000	0.0%	.000	.375	.000	96.0%	4.0%		.625	33.3%	33.3%	33.3%			
PHF	.250	.667	.000		.674	.375	.000	.000		.375	.000	.667	.250		.625	.250	.250	.250		.750	.780
PM PEAK HOUR		Telegraph Ave Southbound					29th St Westbound					Telegraph Ave Northbound					29th St Eastbound				
START TIME	LEFT	THRU	RIGHT	PEDS	APP TOTAL	LEFT	THRU	RIGHT	PEDS	APP TOTAL	LEFT	THRU	RIGHT	PEDS	APP TOTAL	LEFT	THRU	RIGHT	PEDS	APP TOTAL	Total
Peak Hour Analysis From 16:30 to 17:30																					
Peak Hour For Entire Intersection Begins at 16:30																					
16:30	0	8	1	3	9	1	0	0	5	1	0	11	0	3	11	0	1	0	6	1	22
16:45	1	3	0	2	4	0	1	0	9	1	0	15	0	4	15	0	0	0	12	0	20
17:00	1	11	0	1	12	1	1	4	5	6	0	16	2	6	18	0	1	0	10	1	37
17:15	0	13	0	3	13	0	1	0	10	2	1	22	0	3	23	0	1	0	14	1	39
Total Volume	2	35	1	9	38	2	3	5	29	10	1	64	2	16	67	0	3	0	42	3	118
% App Total	5.3%	92.1%	2.6%		50.0%	20.0%	30.0%	50.0%		1.5%	1.5%	95.5%	3.0%		100.0%	0.0%	100.0%	0.0%			
PHF	.500	.673	.250		.731	.500	.750	.313		.417	.250	.727	.250		.728	.000	.750	.000		.750	.756

Spot Speed Study

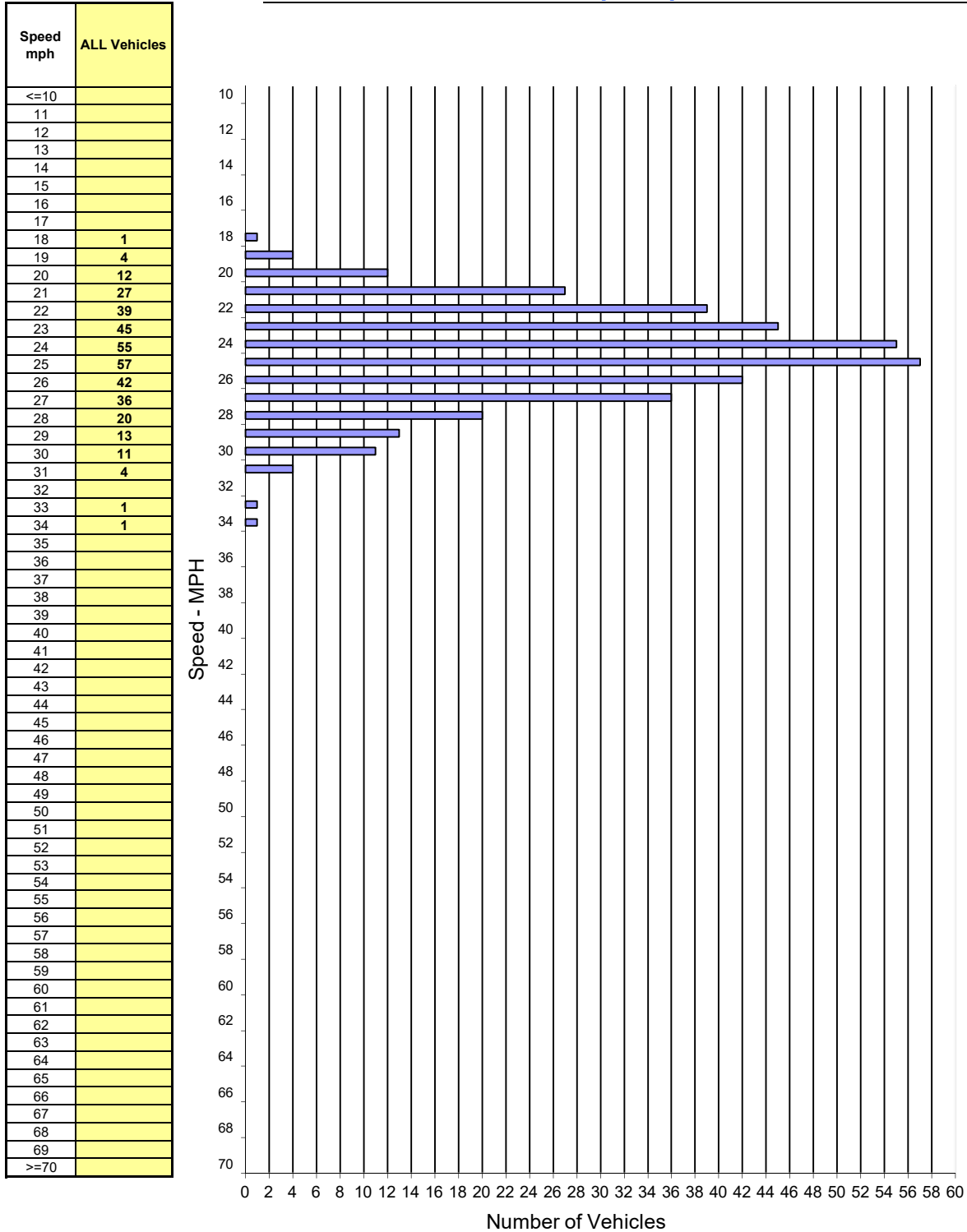
Prepared by: National Data & Surveying Services

City of Oakland

DATE: 9/29/2016
DAY: Thursday

Location: Telegraph Ave Bet. Sycamore St & 27th St
Posted Speed: None
Project #: 16-7685-001

Northbound Spot Speeds



SPEED PARAMETERS										
Class	Count	Average Speed	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	368	24.6	18 - 34	25 mph	27 mph	20 - 29	346	94%	1% / 5	5% / 17

Spot Speed Study

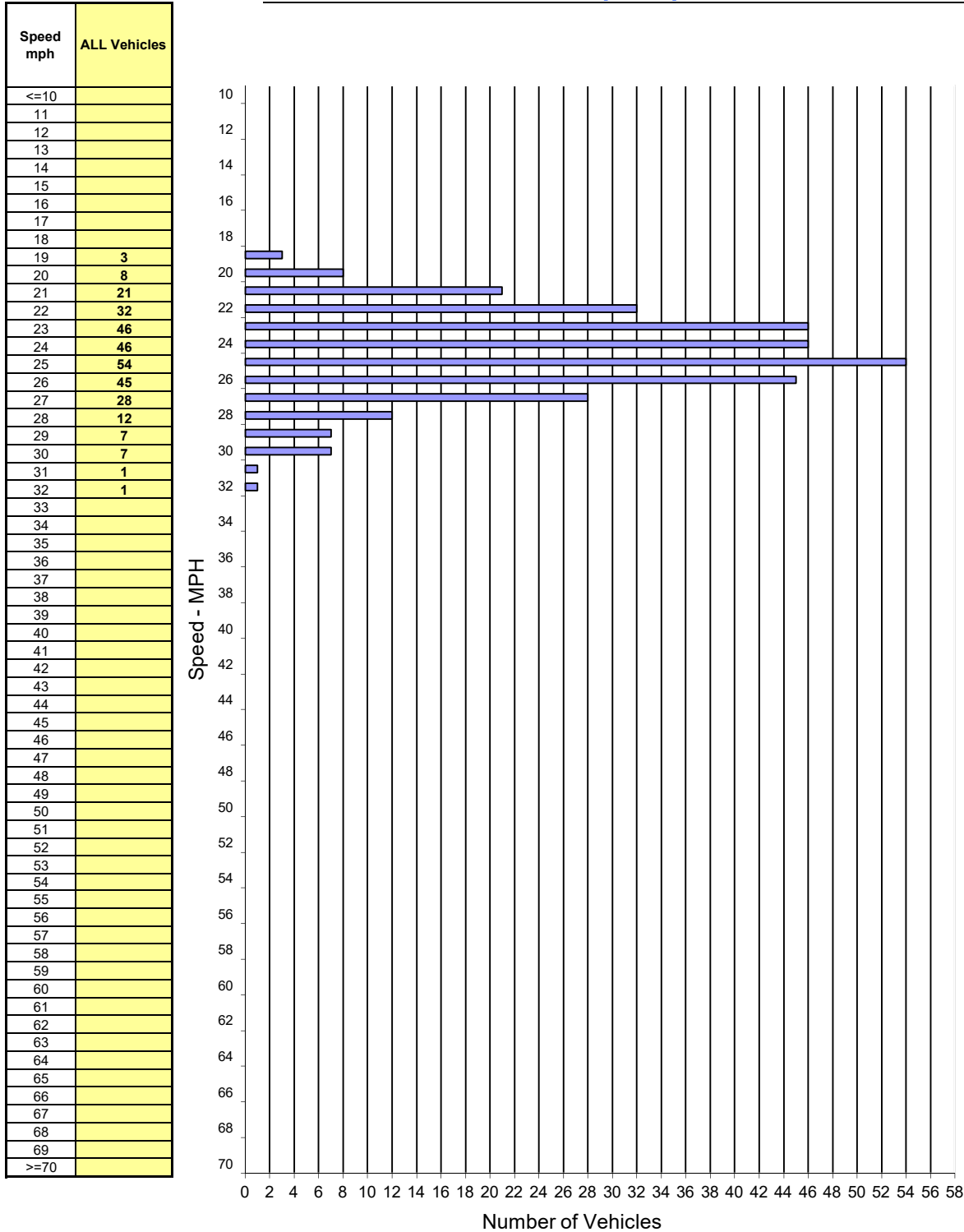
Prepared by: National Data & Surveying Services

City of Oakland

DATE: 9/29/2016
DAY: Thursday

Location: Telegraph Ave Bet. Sycamore St & 27th St
Posted Speed: None
Project #: 16-7685-001

Southbound Spot Speeds



SPEED PARAMETERS										
Class	Count	Average Speed	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	311	24.5	19 - 32	24 mph	27 mph	20 - 29	299	96%	0% / 3	3% / 9

Spot Speed Study

Prepared by: National Data & Surveying Services

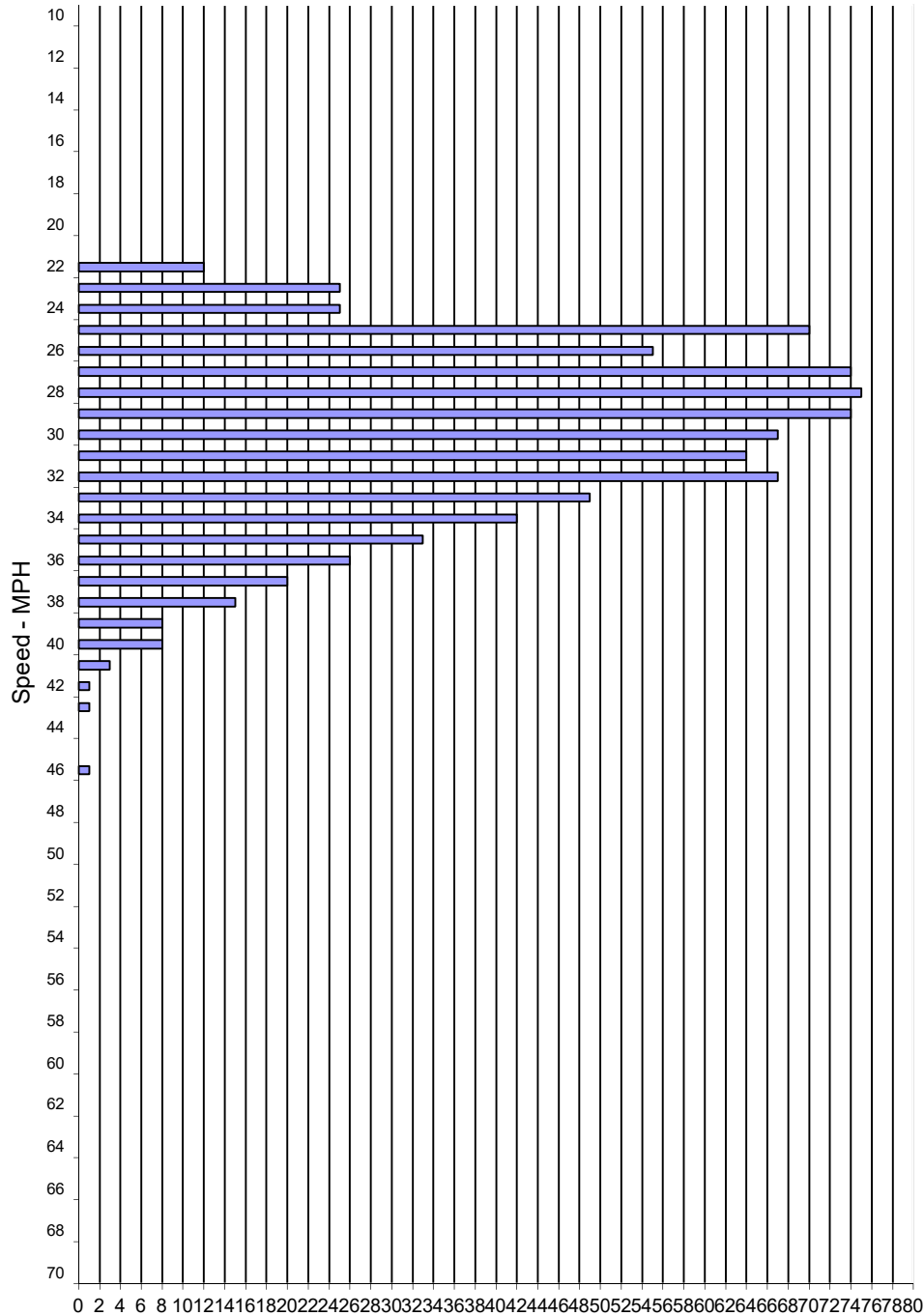
City of Oakland

DATE: 9/29/2016
DAY: Thursday

Location: Telegraph Ave Bet. 34th St & 36th St
Posted Speed: 25 MPH
Project #: 16-7685-002

Northbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	12
23	25
24	25
25	70
26	55
27	74
28	75
29	74
30	67
31	64
32	67
33	49
34	42
35	33
36	26
37	20
38	15
39	8
40	8
41	3
42	1
43	1
44	
45	
46	1
47	
48	
49	
50	
51	
52	
53	
54	
55	
56	
57	
58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



Number of Vehicles

SPEED PARAMETERS										
Class	Count	Average Speed	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	815	29.9	22 - 46	29 mph	34 mph	25 - 34	637	78%	7% / 62	15% / 116

Spot Speed Study

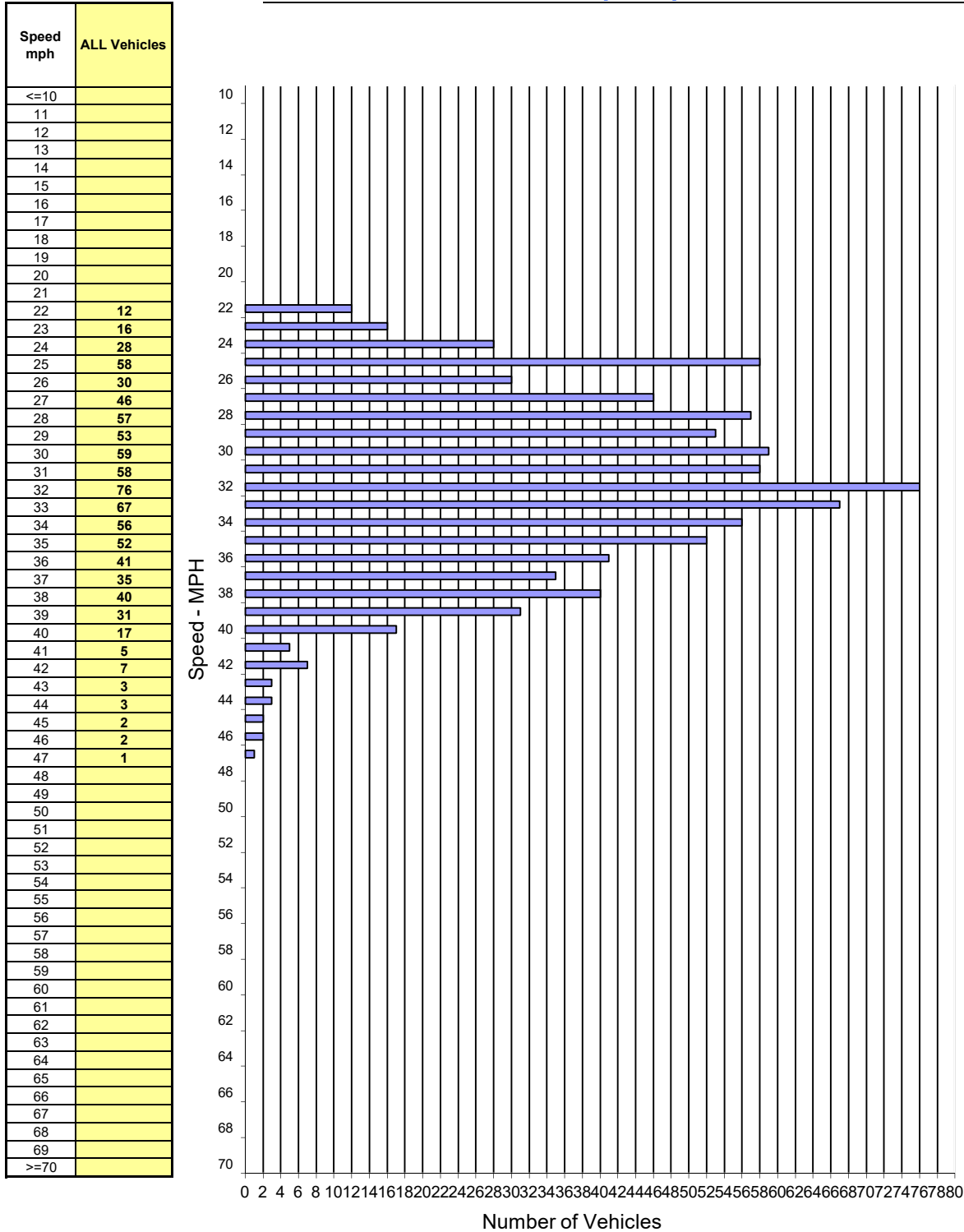
Prepared by: National Data & Surveying Services

City of Oakland

DATE: 9/29/2016
DAY: Thursday

Location: Telegraph Ave Bet. 34th St & 36th St
Posted Speed: 25 MPH
Project #: 16-7685-002

Southbound Spot Speeds



SPEED PARAMETERS										
Class	Count	Average Speed	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	855	31.6	22 - 47	32 mph	37 mph	27 - 36	565	66%	16% / 144	18% / 146

Spot Speed Study

Prepared by: National Data & Surveying Services

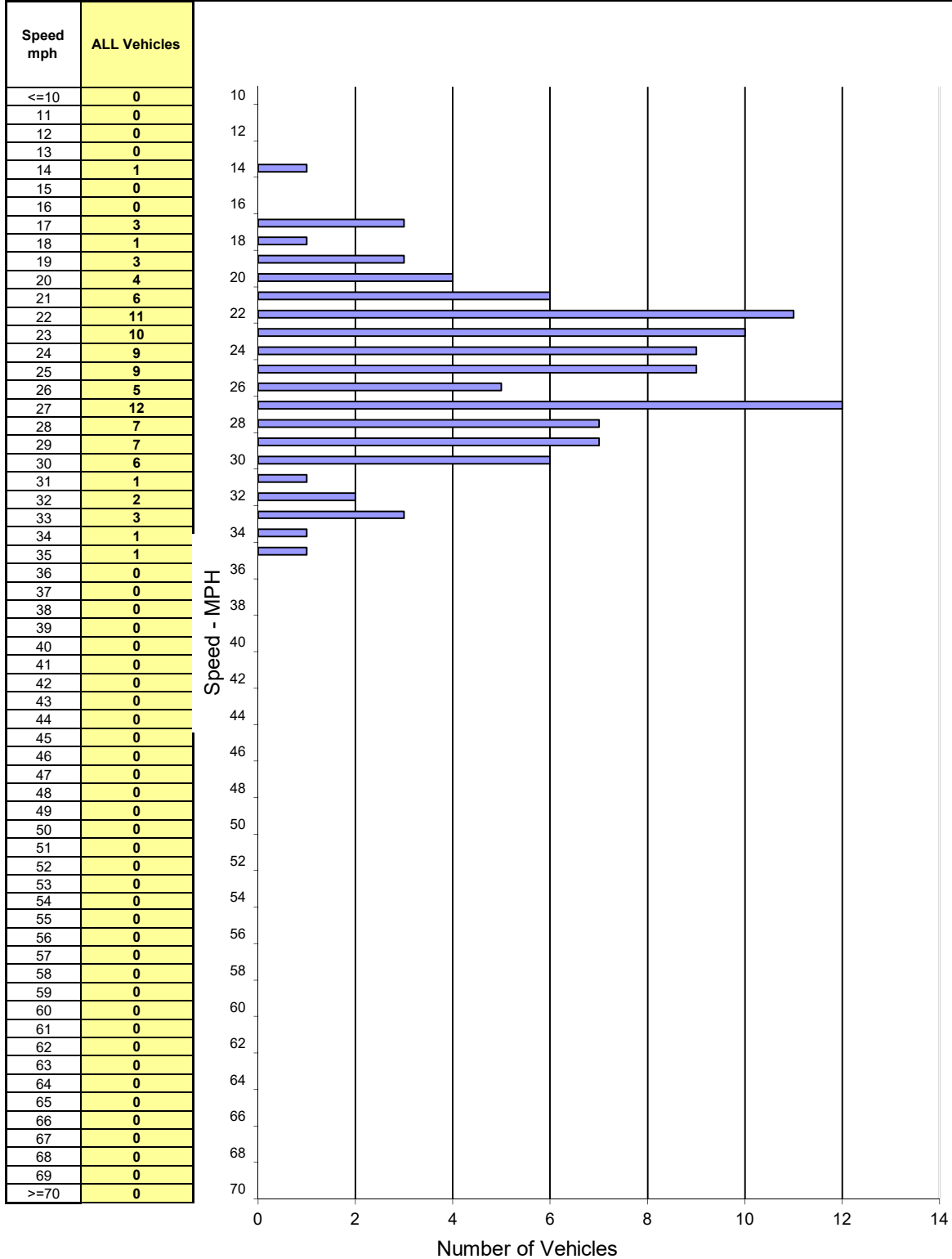
City of Oakland

Survey Time: 10:00-11:00
DATE: 7/29/2014
DAY: Tuesday

Street Width: 70 Ft
Location: 2601 Telegraph Avenue
Posted Speed: 25 MPH

Project #: 14-7481-002

Southbound Spot Speeds



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	102	14-35	25 mph	29 mph	21 - 30	82	80%	11% / 12	8% / 8

Spot Speed Study

Prepared by: National Data & Surveying Services

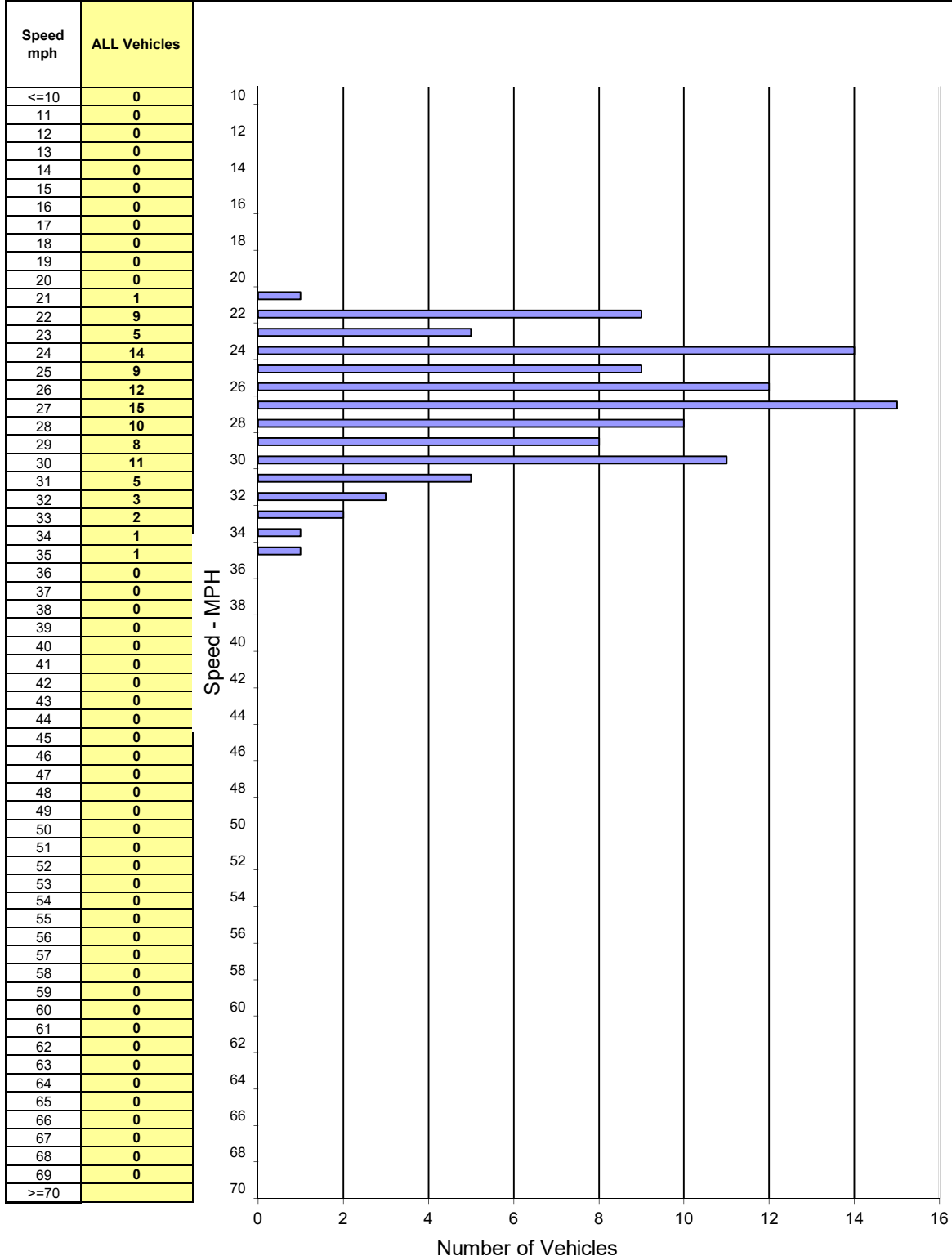
City of Oakland

Survey Time: 10:00-11:00
DATE: 7/29/2014
DAY: Tuesday

Street Width: 70 Ft
Location: 2601 Telegraph Avenue
Posted Speed: 25 MPH

Project #: 14-7481-002

Northbound Spot Speeds



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	106	21-35	27 mph	30 mph	22 - 31	98	92%	0% / 1	7% / 7