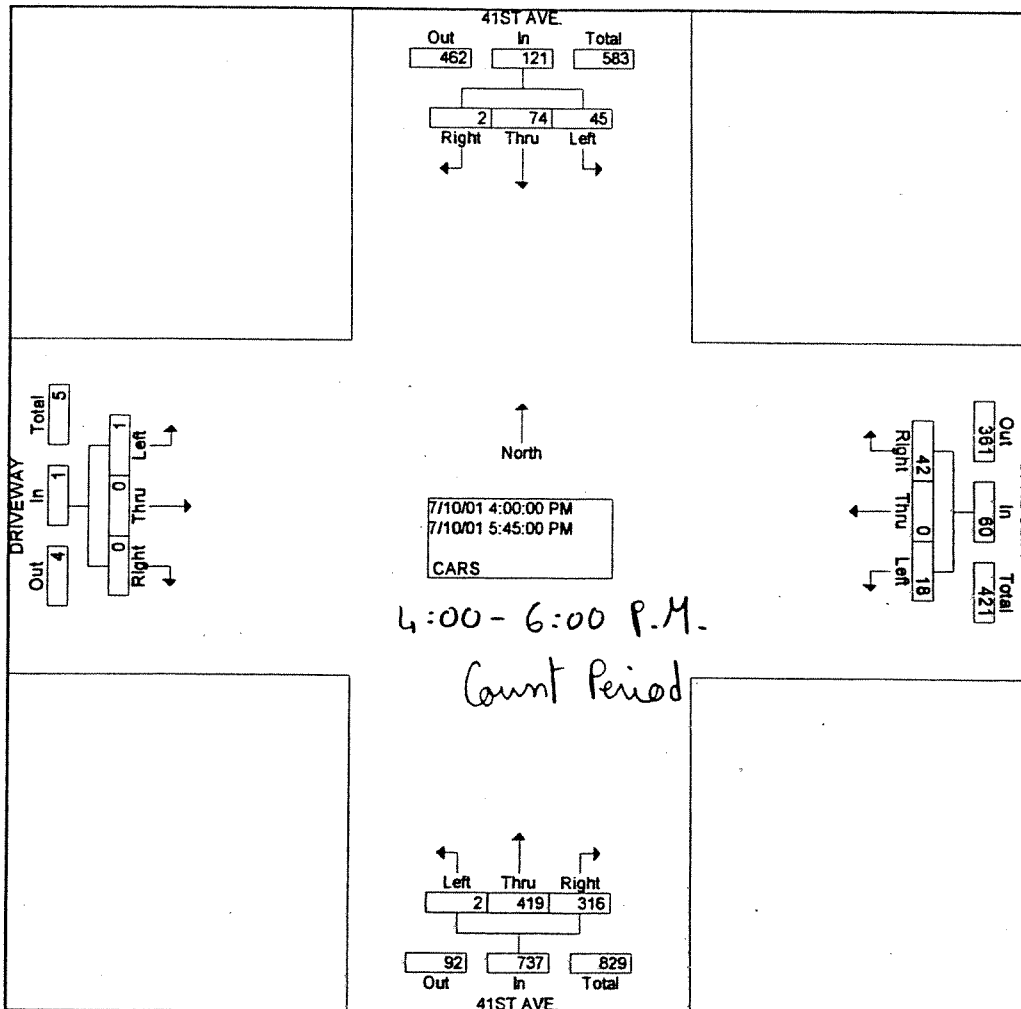

APPENDIX D

TRAFFIC COUNTS

41ST AVENUE / OPAL CLIFF DRIVE

Groups Printed- CARS

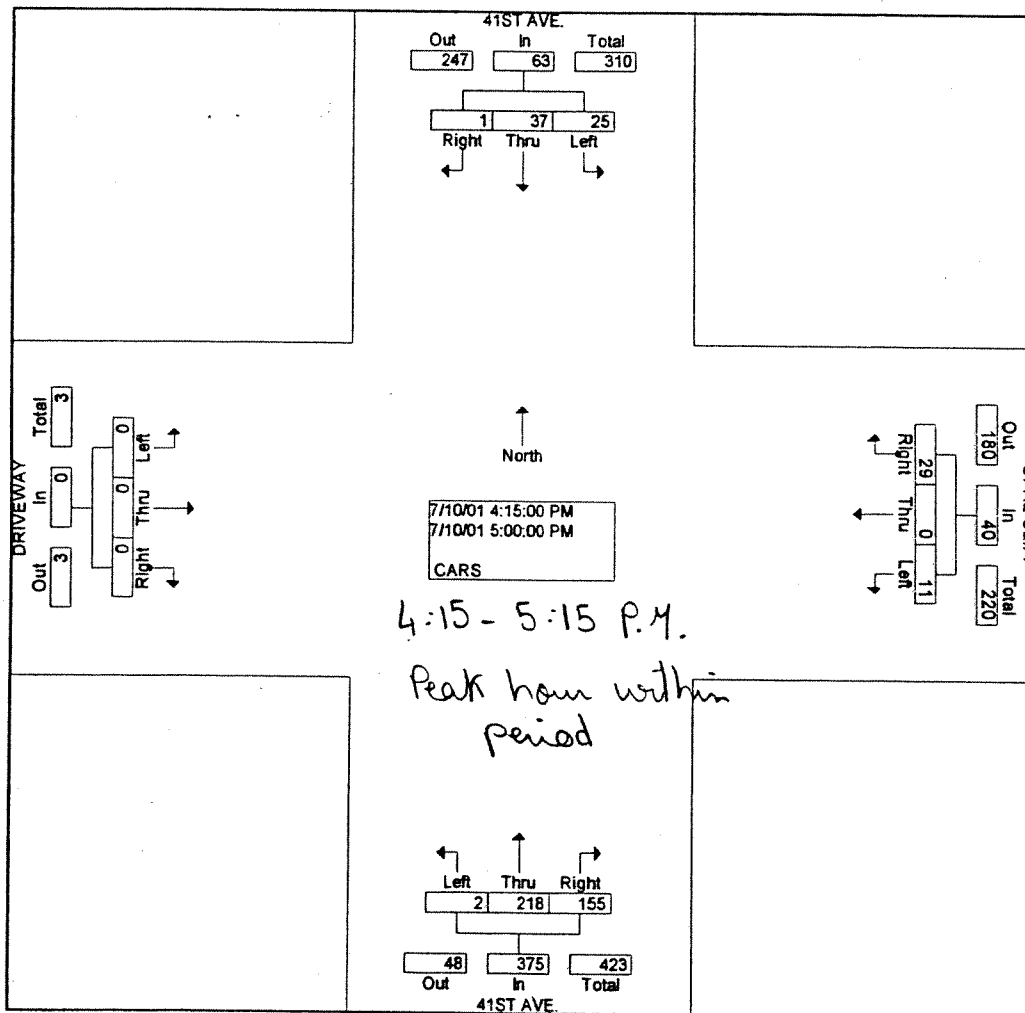
Start Time	41ST AVE. From North				OPAL CLIFF From East				41ST AVE. From South				DRIVEWAY From West				Int. Total
	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	
Factor	1.0	1.0	1.0		1.0	1.0	1.0		1.0	1.0	1.0		1.0	1.0	1.0		
04:00 PM	0	1	9	10	4	0	2	6	36	49	0	85	0	0	0	0	101
04:15 PM	0	8	6	14	3	0	2	5	46	60	0	106	0	0	0	0	125
04:30 PM	0	12	8	20	13	0	3	16	39	52	0	91	0	0	0	0	127
04:45 PM	0	10	7	17	10	0	1	11	36	43	2	81	0	0	0	0	109
Total	0	31	30	61	30	0	8	38	157	204	2	363	0	0	0	0	462
05:00 PM	1	7	4	12	3	0	5	8	34	63	0	97	0	0	0	0	117
05:15 PM	0	10	5	15	6	0	1	7	35	44	0	79	0	0	1	1	102
05:30 PM	1	10	3	14	3	0	1	4	42	61	0	103	0	0	0	0	121
05:45 PM	0	16	3	19	0	0	3	3	48	47	0	95	0	0	0	0	117
Total	2	43	15	60	12	0	10	22	159	215	0	374	0	0	1	1	457
Grand Total	2	74	45	121	42	0	18	60	316	419	2	737	0	0	1	1	919
Apprch %	1.7	61.2	37.2		70.0	0.0	30.0		42.9	56.9	0.3		0.0	0.0	100.0		
Total %	0.2	8.1	4.9	13.2	4.6	0.0	2.0	6.5	34.4	45.6	0.2	80.2	0.0	0.0	0.1	0.1	



Higgins Associates
 1335 First St. Ste. A
 Gilroy, Ca
 95020

File Name : 01-149-B
 Site Code : 00000000
 Start Date : 07/10/2001
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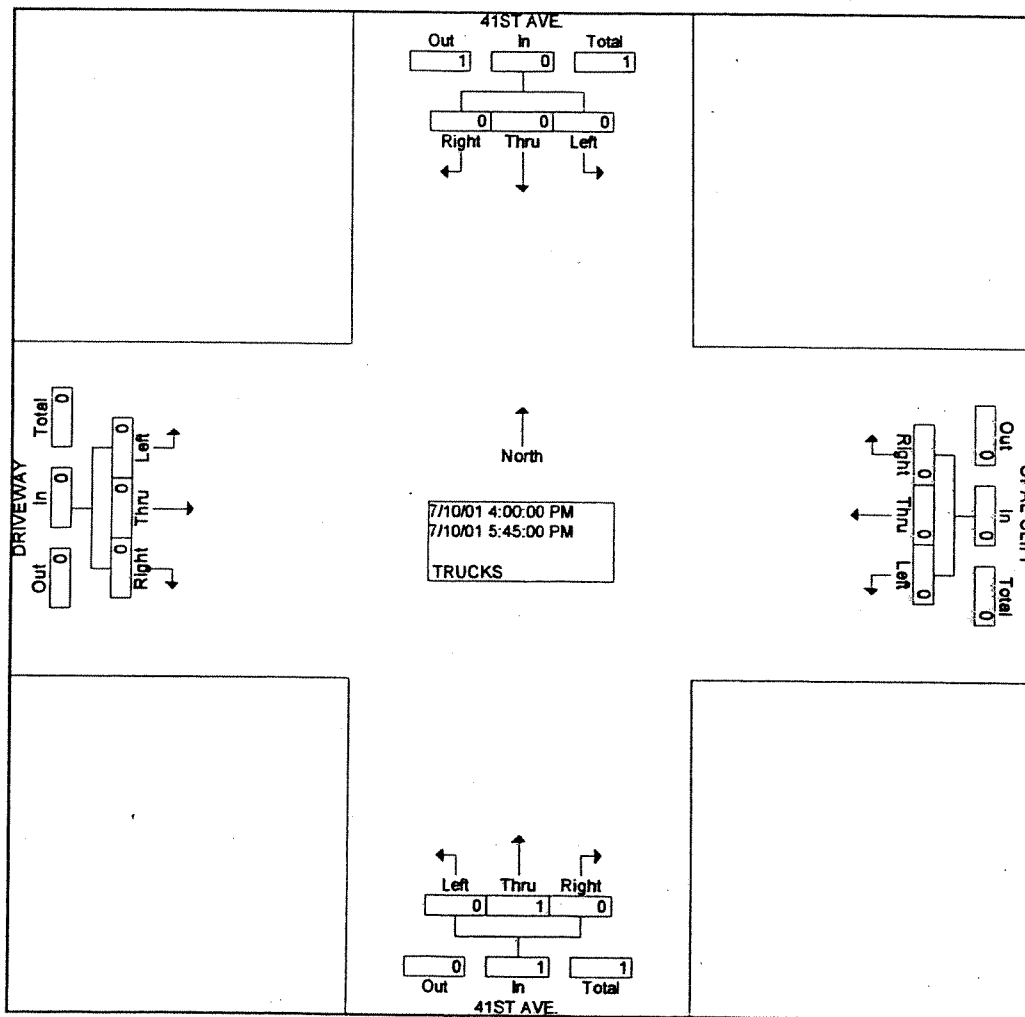
Start Time	41ST AVE. From North				OPAL CLIFF From East				41ST AVE. From South				DRIVEWAY From West				Int. Total
	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	
Peak Hour From 04:00 PM to 05:45 PM - Peak 1 of 1																	
Intersection	04:15 PM																
Volume	1	37	25	63	29	0	11	40	155	218	2	375	0	0	0	0	478
Percent	1.6	58.7	39.7		72.5	0.0	27.5		41.3	58.1	0.5		0.0	0.0	0.0		
04:30																	
Volume	0	12	8	20	13	0	3	16	39	52	0	91	0	0	0	0	127
Peak Factor																	
High Int.	04:30 PM																
Volume	0	12	8	20	13	0	3	16	46	60	0	106	3:45:00 PM				0.941
Peak Factor	0.788				0.625				0.884								



41ST AVENUE / OPAL CLIFF DRIVE

Groups Printed- TRUCKS

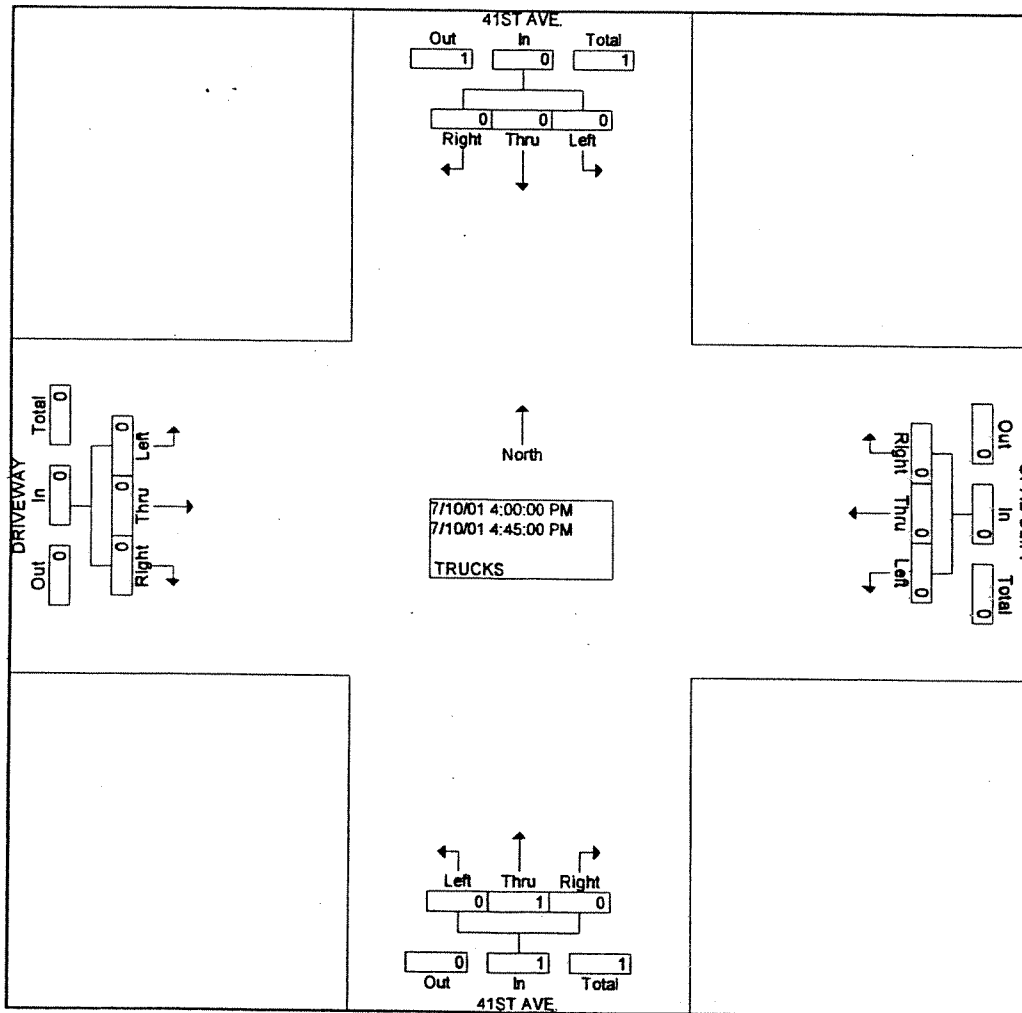
Start Time	41ST AVE. From North				OPAL CLIFF From East				41ST AVE. From South				DRIVEWAY From West				Int. Total
	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	
Factor	1.0	1.0	1.0		1.0	1.0	1.0		1.0	1.0	1.0		1.0	1.0	1.0		
BREAK 04:15 PM ***BREAK***	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	1
Total	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	1
BREAK																	
Grand Total	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	1
Apprch %	0.0	0.0	0.0		0.0	0.0	0.0		0.0	100.0	0.0		0.0	0.0	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	100.0	0.0	0.0	0.0	0.0	



Higgins Associates
 1335 First St. Ste. A
 Gilroy, Ca
 95020

File Name : 01-149-B
 Site Code : 00000000
 Start Date : 07/10/2001
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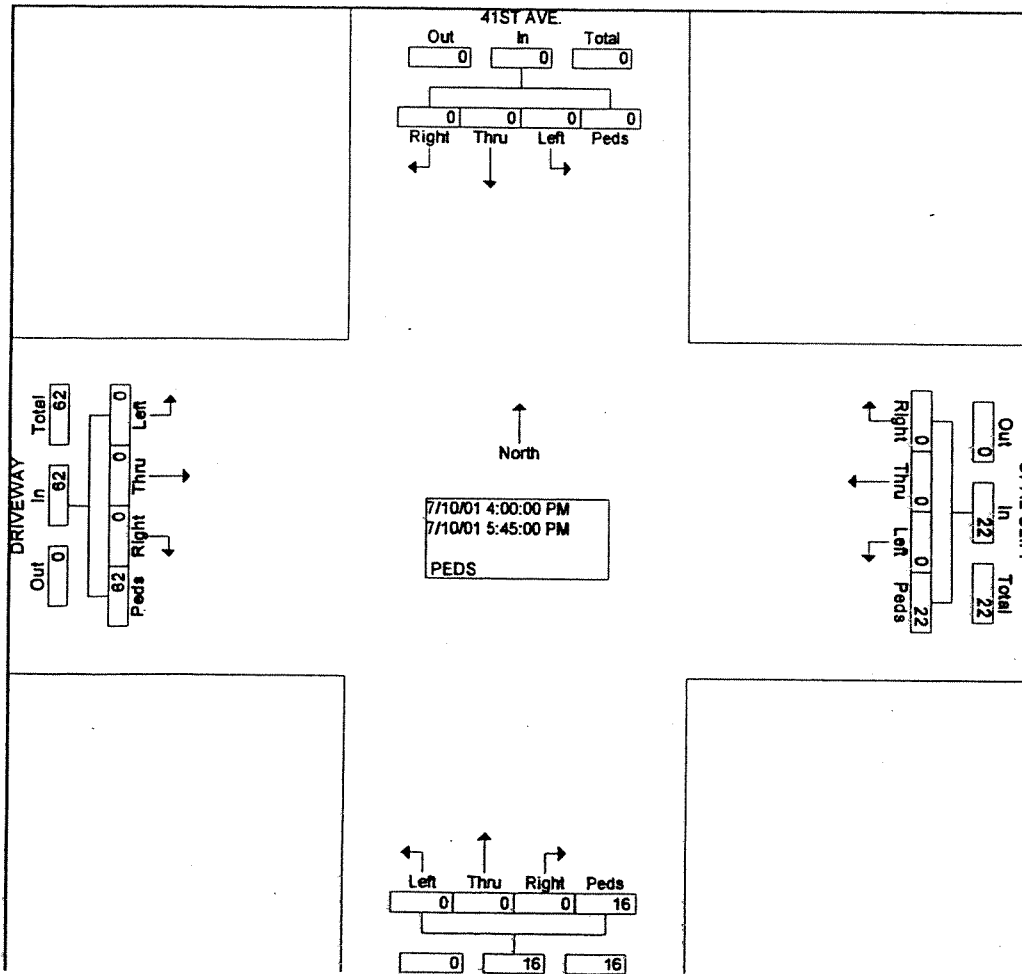
Start Time	41ST AVE. From North				OPAL CLIFF From East				41ST AVE. From South				DRIVEWAY From West				Int. Total
	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	
Peak Hour From 04:00 PM to 05:45 PM - Peak 1 of 1																	
Intersection	04:00 PM																
Volume	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	1
Percent	0.0	0.0	0.0		0.0	0.0	0.0		0.0	100.0	0.0		0.0	0.0	0.0		
04:15	Volume																
Volume	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	1
Peak Factor	High Int. 3:45:00 PM																
Volume	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0.250
Peak Factor	0.250																



41ST AVENUE / OPAL CLIFF DRIVE

Groups Printed- PEDS

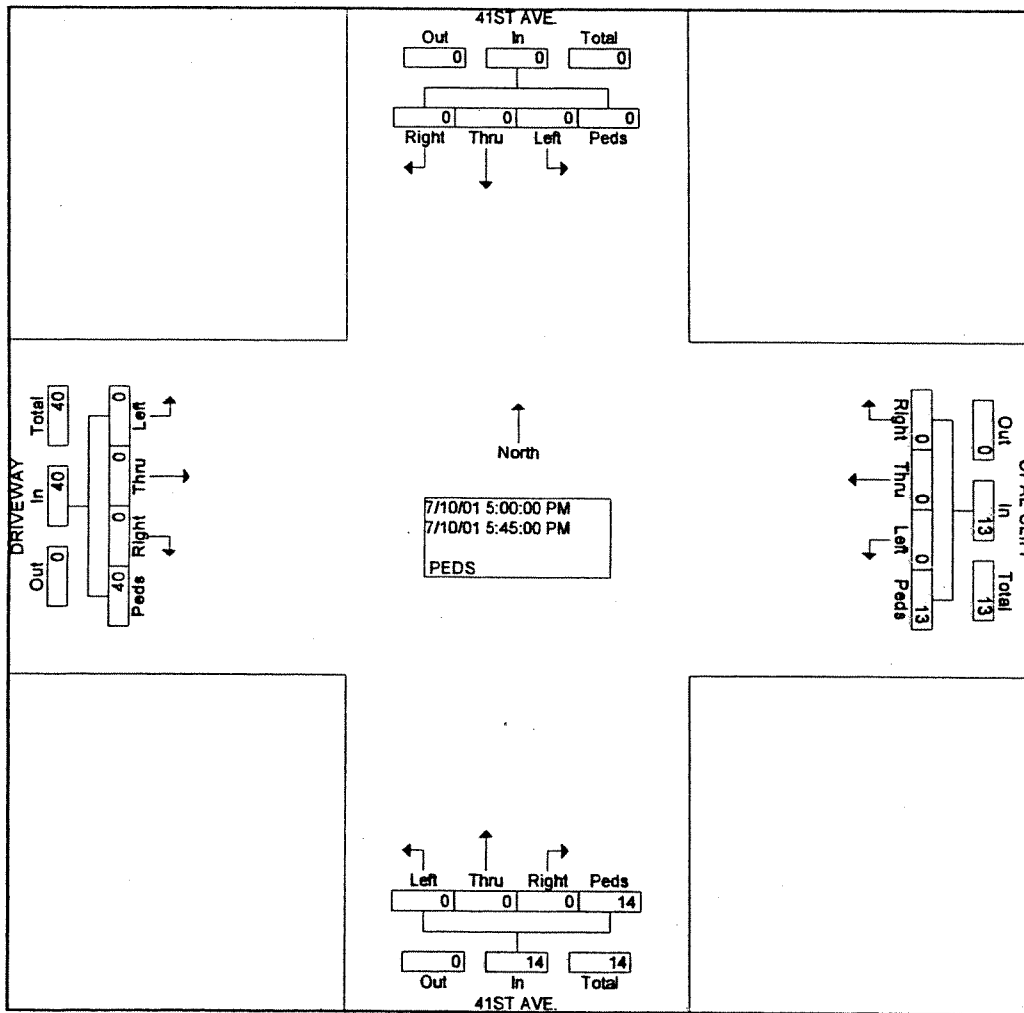
Start Time	41ST AVE. From North					OPAL CLIFF From East					41ST AVE. From South					DRIVEWAY From West					Int. Total
	Rig ht	Thru	Left	Ped s	App. Total	Rig ht	Thru	Left	Ped s	App. Total	Rig ht	Thru	Left	Ped s	App. Total	Rig ht	Thru	Left	Ped s	App. Total	
Factor	1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		
04:00 PM	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	4	4	5
04:15 PM	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	3	3	5
04:30 PM	0	0	0	0	0	0	0	0	5	5	0	0	0	2	2	0	0	0	7	7	14
04:45 PM	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	8	8	9
Total	0	0	0	0	0	0	0	0	9	9	0	0	0	2	2	0	0	0	22	22	33
05:00 PM	0	0	0	0	0	0	0	0	3	3	0	0	0	2	2	0	0	0	15	15	20
05:15 PM	0	0	0	0	0	0	0	0	2	2	0	0	0	5	5	0	0	0	6	6	13
05:30 PM	0	0	0	0	0	0	0	0	3	3	0	0	0	0	0	0	0	0	15	15	18
05:45 PM	0	0	0	0	0	0	0	0	5	5	0	0	0	7	7	0	0	0	4	4	16
Total	0	0	0	0	0	0	0	0	13	13	0	0	0	14	14	0	0	0	40	40	67
Grand Total	0	0	0	0	0	0	0	0	22	22	0	0	0	16	16	0	0	0	62	62	100
Apprch %	0.0	0.0	0.0	0.0		0.0	0.0	0.0	100.0		0.0	0.0	0.0	100.0		0.0	0.0	0.0	100.0		
Total %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.0	22.0	0.0	0.0	0.0	16.0	16.0	0.0	0.0	0.0	62.0	62.0	



Higgins Associates
 1335 First St. Ste. A
 Gilroy, Ca
 95020

File Name : 01-149-B
 Site Code : 00000000
 Start Date : 07/10/2001
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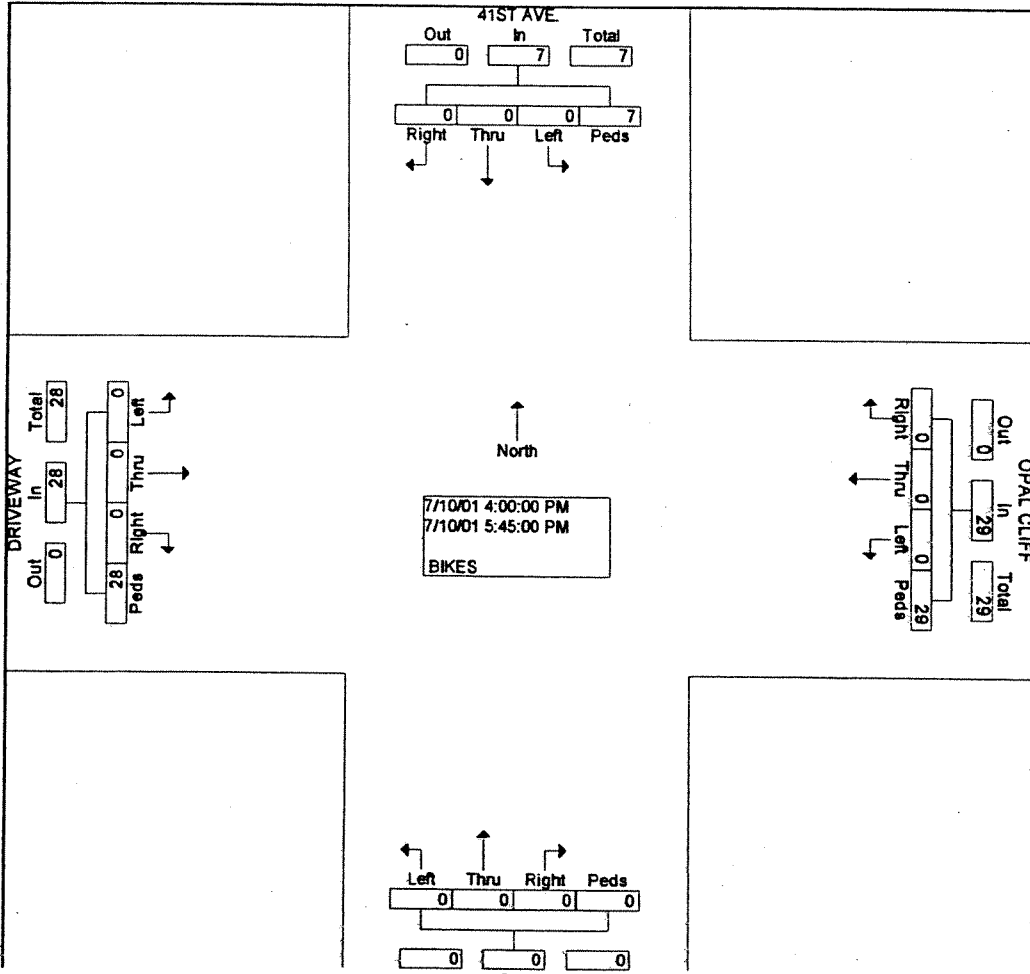
Start Time	41ST AVE. From North					OPAL CLIFF From East					41ST AVE. From South					DRIVEWAY From West					Int. Total
	Rig ht	Thr u	Left	Ped s	App. Total	Rig ht	Thr u	Left	Ped s	App. Total	Rig ht	Thr u	Left	Ped s	App. Total	Rig ht	Thr u	Left	Ped s	App. Total	
Peak Hour From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Intersect on	05:00 PM																				
Volume	0	0	0	0	0	0	0	0	13	13	0	0	0	14	14	0	0	0	40	40	67
Percent	0.0	0.0	0.0	0.0		0.0	0.0	0.0	100		0.0	0.0	0.0	100		0.0	0.0	0.0	100		
05:00 Volume	0	0	0	0	0	0	0	0	3	3	0	0	0	2	2	0	0	0	15	15	20
Peak Factor	0.838																				
High Int. Peak	3:45:00 PM					05:45 PM					05:45 PM					05:00 PM					
Volume	0	0	0	0	0	0	0	0	5	5	0	0	0	7	7	0	0	0	15	15	15
Peak Factor						0.65					0.50					0.66					
						0					0					7					



41ST AVENUE / OPAL CLIFF DRIVE

Groups Printed- BIKES

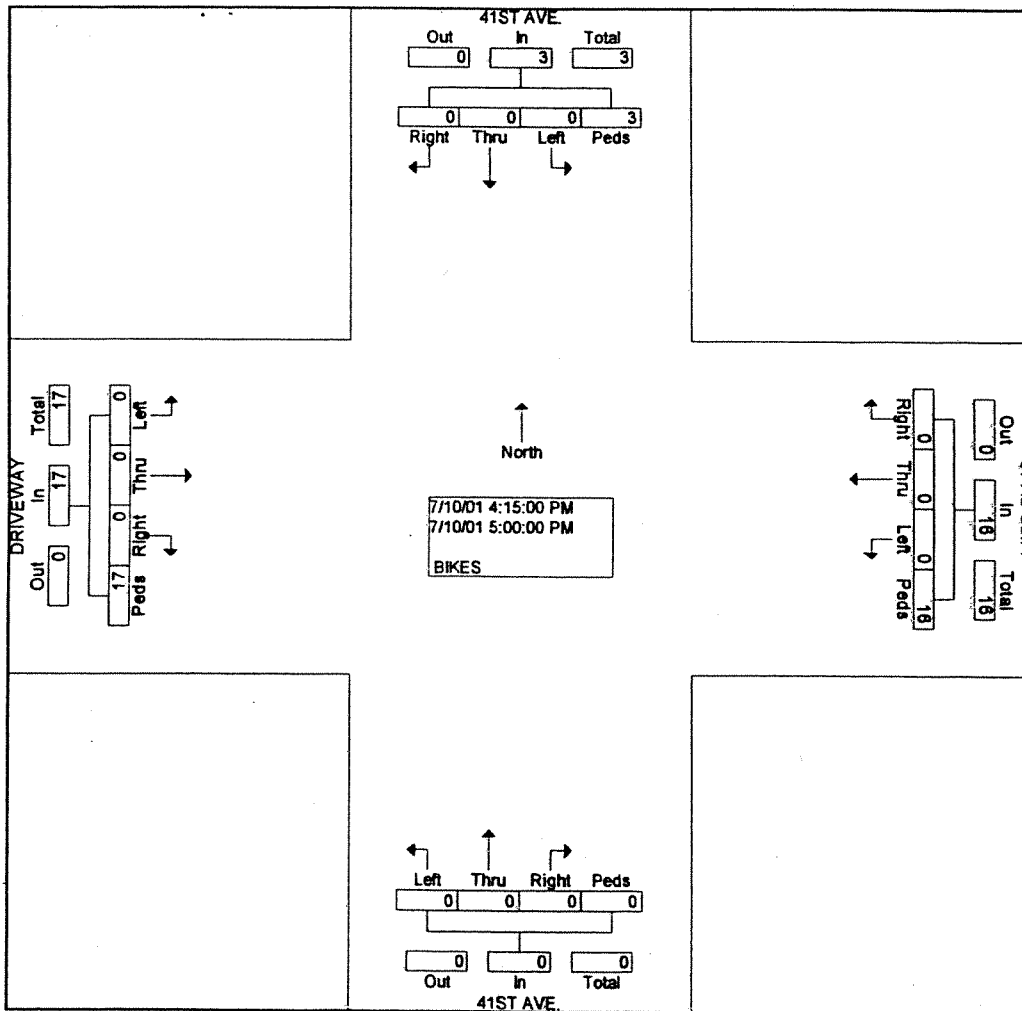
Start Time	41ST AVE. From North					OPAL CLIFF From East					41ST AVE. From South					DRIVEWAY From West					Int. Total
	Rig ht	Thr u	Left	Ped s	App. Total	Rig ht	Thr u	Left	Ped s	App. Total	Rig ht	Thr u	Left	Ped s	App. Total	Rig ht	Thr u	Left	Ped s	App. Total	
Factor	1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		
04:00 PM	0	0	0	0	0	0	0	0	3	3	0	0	0	0	0	0	0	0	1	1	4
04:15 PM	0	0	0	0	0	0	0	0	4	4	0	0	0	0	0	0	0	0	4	4	8
04:30 PM	0	0	0	0	0	0	0	0	4	4	0	0	0	0	0	0	0	0	3	3	7
04:45 PM	0	0	0	1	1	0	0	0	4	4	0	0	0	0	0	0	0	0	5	5	10
Total	0	0	0	1	1	0	0	0	15	15	0	0	0	0	0	0	0	0	13	13	29
05:00 PM	0	0	0	2	2	0	0	0	4	4	0	0	0	0	0	0	0	0	5	5	11
05:15 PM	0	0	0	1	1	0	0	0	2	2	0	0	0	0	0	0	0	0	2	2	5
05:30 PM	0	0	0	2	2	0	0	0	3	3	0	0	0	0	0	0	0	0	4	4	9
05:45 PM	0	0	0	1	1	0	0	0	5	5	0	0	0	0	0	0	0	0	4	4	10
Total	0	0	0	6	6	0	0	0	14	14	0	0	0	0	0	0	0	0	15	15	35
Grand Total	0	0	0	7	7	0	0	0	29	29	0	0	0	0	0	0	0	0	28	28	64
Apprch %	0.0	0.0	0.0	100.0		0.0	0.0	0.0	100.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	100.0		
Total %	0.0	0.0	0.0	10.9	10.9	0.0	0.0	0.0	45.3	45.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43.8	43.8	



Higgins Associates
 1335 First St. Ste. A
 Gilroy, Ca
 95020

File Name : 01-149-B
 Site Code : 00000000
 Start Date : 07/10/2001
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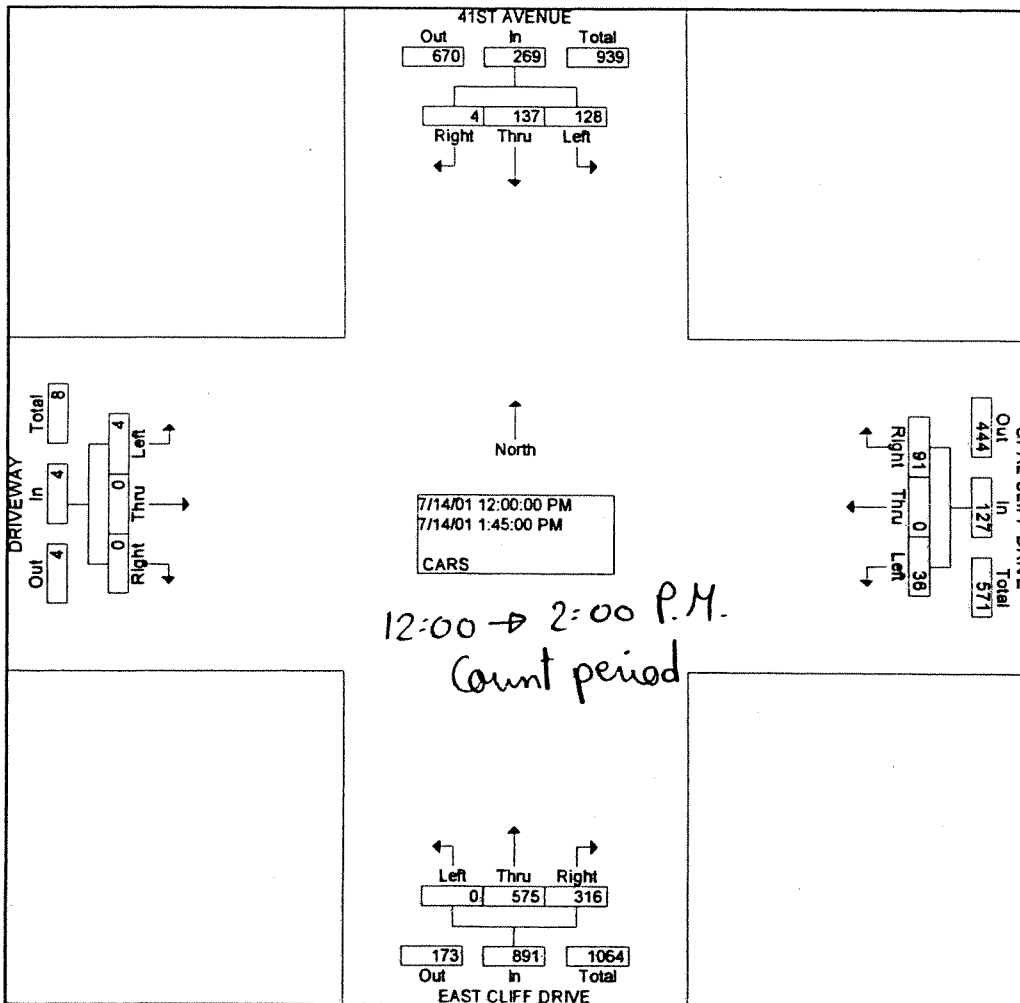
Start Time	41ST AVE. From North					OPAL CLIFF From East					41ST AVE. From South					DRIVEWAY From West					Int. Total
	Rig ht	Thru	Left	Ped s	App. Total	Rig ht	Thru	Left	Ped s	App. Total	Rig ht	Thru	Left	Ped s	App. Total	Rig ht	Thru	Left	Ped s	App. Total	
Peak Hour From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Intersect on	04:15 PM																				
Volume	0	0	0	3	3	0	0	0	16	16	0	0	0	0	0	0	0	0	17	17	36
Percent	0.0	0.0	0.0	100		0.0	0.0	0.0	100		0.0	0.0	0.0	0.0		0.0	0.0	0.0	100		
				.0					.0					.0					.0		
05:00																					
Volume	0	0	0	2	2	0	0	0	4	4	0	0	0	0	0	0	0	0	5	5	11
Peak Factor	0.818																				
High Int. Peak	05:00 PM					04:15 PM					3:45:00 PM					04:45 PM					
Volume	0	0	0	2	2	0	0	0	4	4	0	0	0	0	0	0	0	0	5	5	5
Peak Factor	0.37					1.00					0					0.85					0
	5					0					0					0					0



41ST AVENUE / EAST CLIFF DRIVE / DRIVEWAY / OPAL CLIFF DRIVE

Groups Printed- CARS

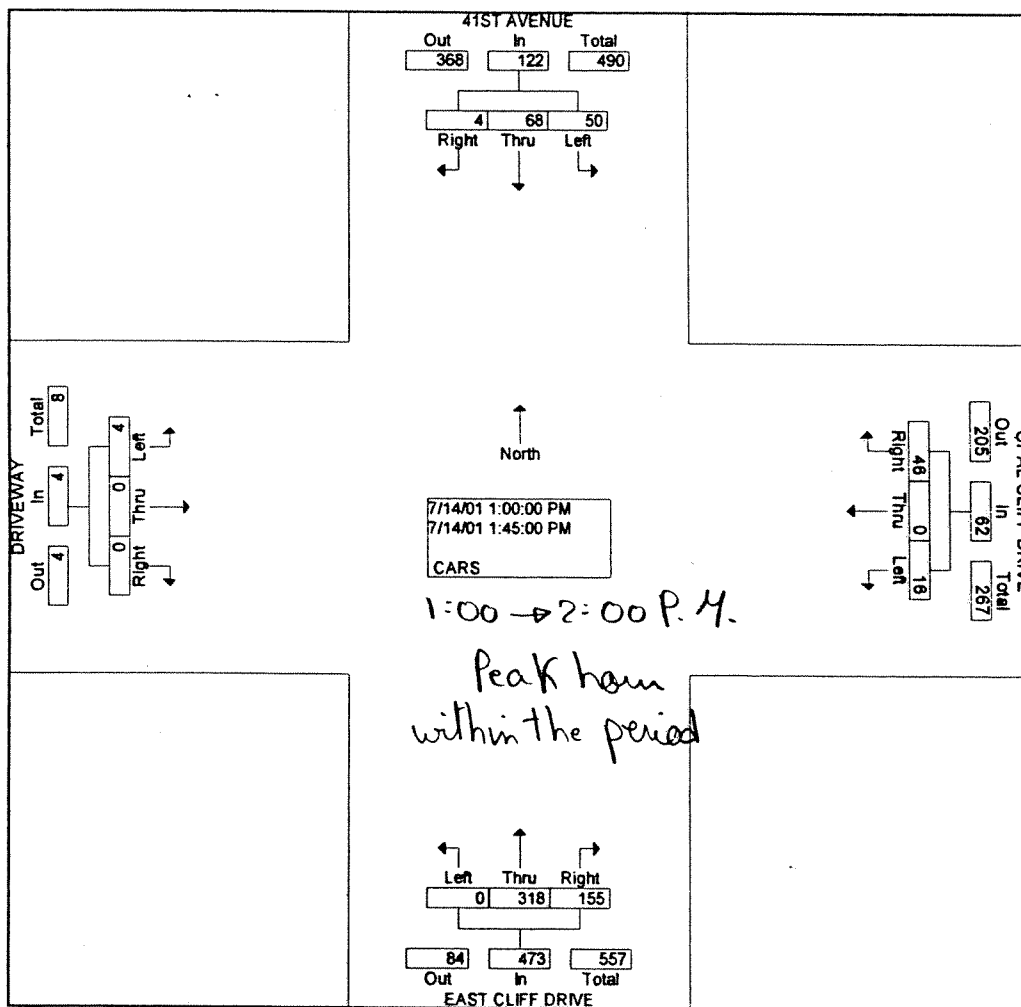
Start Time	41ST AVENUE From North				OPAL CLIFF DRIVE From East				EAST CLIFF DRIVE From South				DRIVEWAY From West				Int. Total
	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	
Factor	1.0	1.0	1.0		1.0	1.0	1.0		1.0	1.0	1.0		1.0	1.0	1.0		
12:00 PM	0	19	18	37	13	0	3	16	35	62	0	97	0	0	0	0	150
12:15 PM	0	16	32	48	12	0	10	22	45	57	0	102	0	0	0	0	172
12:30 PM	0	16	15	31	9	0	2	11	39	65	0	104	0	0	0	0	146
12:45 PM	0	18	13	31	11	0	5	16	42	73	0	115	0	0	0	0	162
Total	0	69	78	147	45	0	20	65	161	257	0	418	0	0	0	0	630
01:00 PM	0	14	12	26	12	0	2	14	32	80	0	112	0	0	1	1	153
01:15 PM	1	16	13	30	6	0	3	9	41	81	0	122	0	0	1	1	162
01:30 PM	2	16	18	36	15	0	8	23	40	81	0	121	0	0	2	2	182
01:45 PM	1	22	7	30	13	0	3	16	42	76	0	118	0	0	0	0	164
Total	4	68	50	122	46	0	16	62	155	318	0	473	0	0	4	4	661
Grand Total	4	137	128	269	91	0	36	127	316	575	0	891	0	0	4	4	1291
Apprch %	1.5	50.9	47.6		71.7	0.0	28.3		35.5	64.5	0.0		0.0	0.0	100.0	0	
Total %	0.3	10.6	9.9	20.8	7.0	0.0	2.8	9.8	24.5	44.5	0.0	69.0	0.0	0.0	0.3	0.3	



Higgins Associates
 1335 First St. Ste. A
 Gilroy, Ca
 95020

File Name : 01-149-C
 Site Code : 00000000
 Start Date : 07/14/2001
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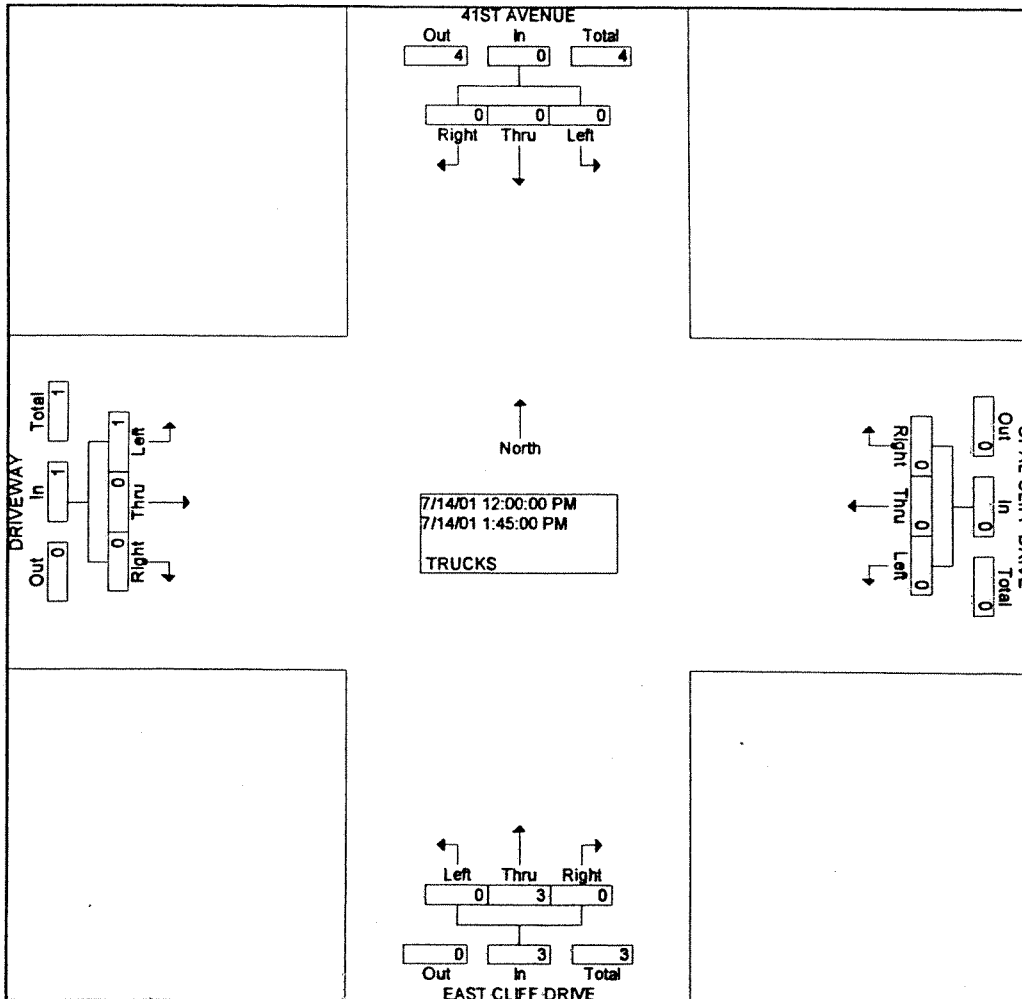
Start Time	41ST AVENUE From North				OPAL CLIFF DRIVE From East				EAST CLIFF DRIVE From South				DRIVEWAY From West				Int. Total
	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	
Peak Hour From 12:00 PM to 01:45 PM - Peak 1 of 1																	
Intersection	01:00 PM																
Volume	4	68	50	122	46	0	16	62	155	318	0	473	0	0	4	4	661
Percent	3.3	55.7	41.0		74.2	0.0	25.8		32.8	67.2	0.0		0.0	0.0	100.0		
01:30 Volume	2	16	18	36	15	0	8	23	40	81	0	121	0	0	2	2	182
Peak Factor	0.908																
High Int.	01:30 PM																
Volume	2	16	18	36	15	0	8	23	41	81	0	122	0	0	2	2	
Peak Factor	0.847				0.674				0.969				0.500				



41ST AVENUE / EAST CLIFF DRIVE / DRIVEWAY / OPAL CLIFF DRIVE

Groups Printed- TRUCKS

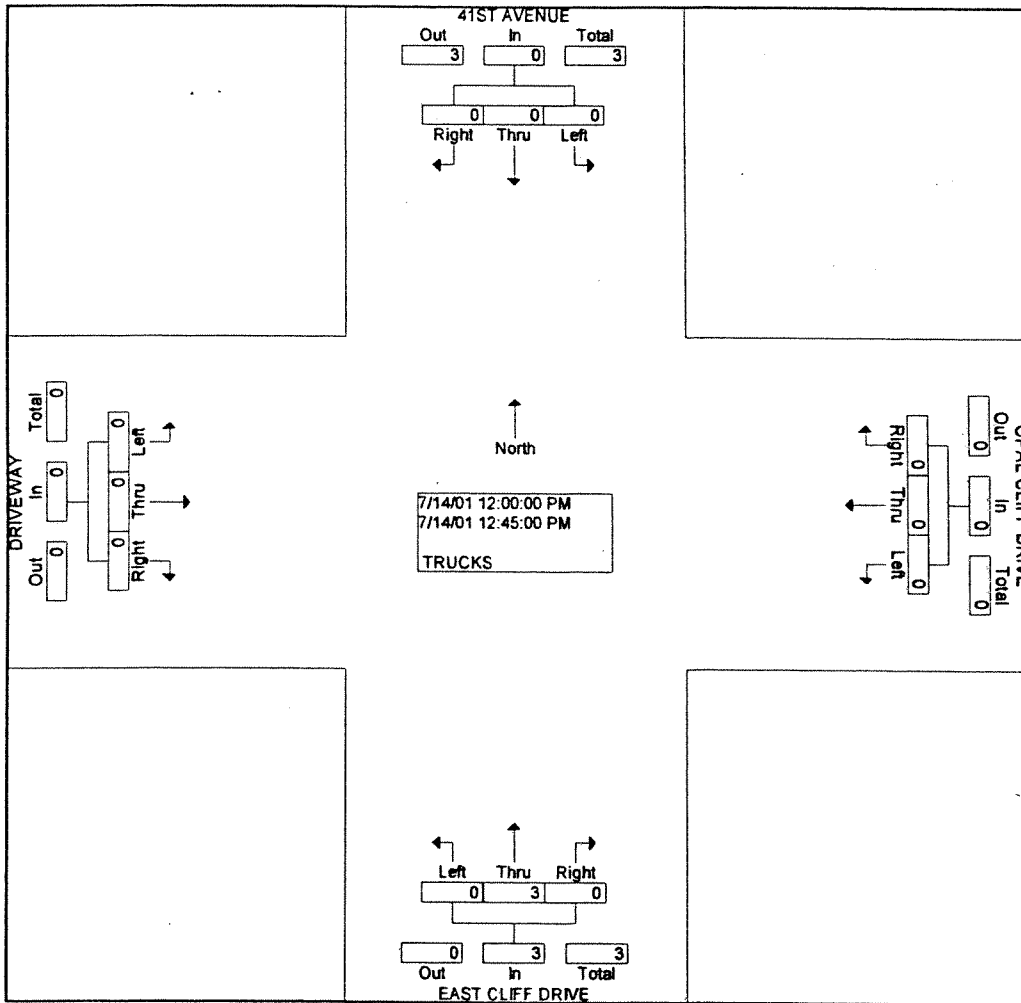
Start Time	41ST AVENUE From North				OPAL CLIFF DRIVE From East				EAST CLIFF DRIVE From South				DRIVEWAY From West				Int. Total
	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	
Factor	1.0	1.0	1.0		1.0	1.0	1.0		1.0	1.0	1.0		1.0	1.0	1.0		
12:00 PM	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	1
12:15 PM	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	1
12:30 PM	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	1
BREAK																	
Total	0	0	0	0	0	0	0	0	0	3	0	3	0	0	0	0	3
BREAK																	
01:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
BREAK																	
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
Grand Total	0	0	0	0	0	0	0	0	0	3	0	3	0	0	1	1	4
Apprch %	0.0	0.0	0.0		0.0	0.0	0.0		0.0	100.0	0.0		0.0	0.0	100.0		
Total %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	75.0	0.0	75.0	0.0	0.0	25.0	25.0	



Higgins Associates
 1335 First St. Ste. A
 Gilroy, Ca
 95020

File Name : 01-149-C
 Site Code : 00000000
 Start Date : 07/14/2001
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Start Time	41ST AVENUE From North				OPAL CLIFF DRIVE From East				EAST CLIFF DRIVE From South				DRIVEWAY From West				Int. Total	
	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total		
Peak Hour From 12:00 PM to 01:45 PM - Peak 1 of 1																		
Intersection	12:00 PM																	
Volume	0	0	0	0	0	0	0	0	0	3	0	3	0	0	0	0	0	3
Percent	0.0	0.0	0.0		0.0	0.0	0.0		0.0	100.0	0.0		0.0	0.0	0.0			
12:30 Volume	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	1
Peak Factor	0.750																	
High Int.	11:45:00 AM				11:45:00 AM				12:00 PM				11:45:00 AM					
Volume	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	1
Peak Factor	0.750																	



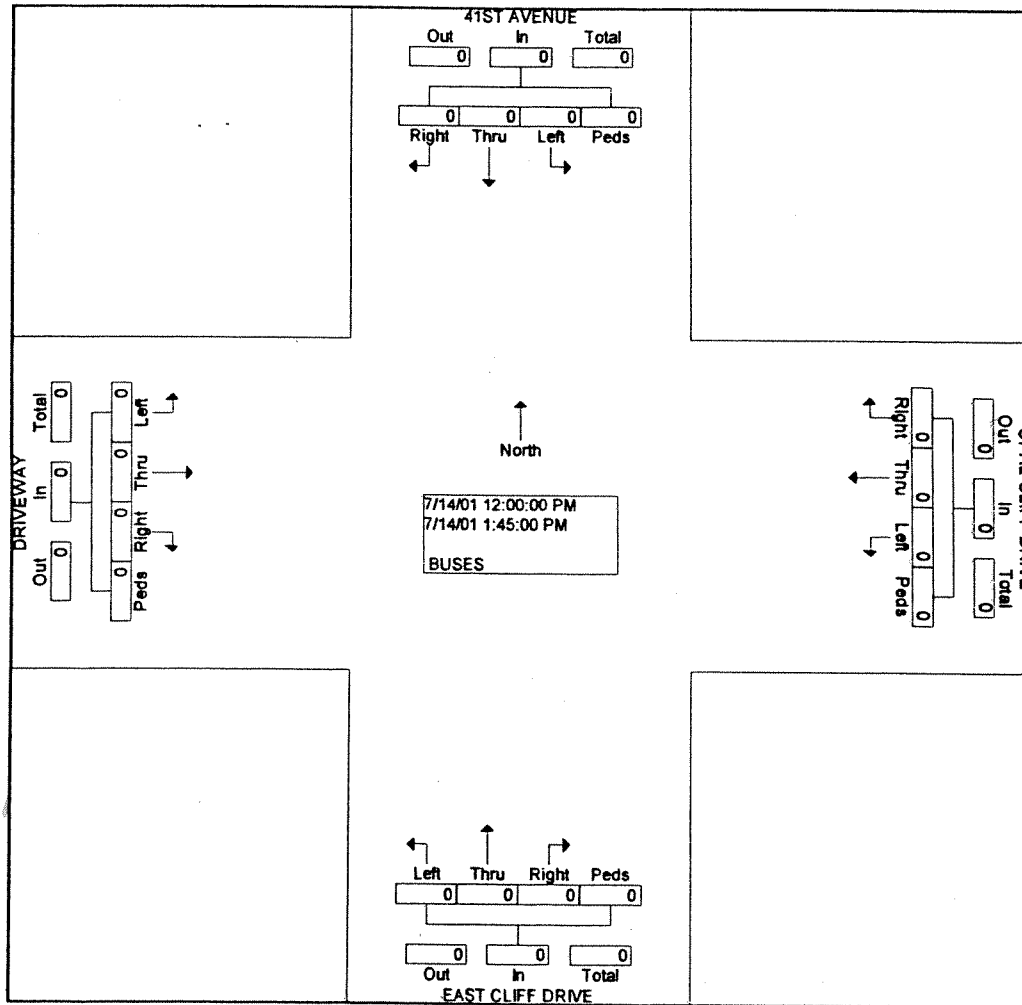
41ST AVENUE / EAST CLIFF DRIVE / DRIVEWAY / OPAL CLIFF DRIVE

Groups Printed- BUSES

Start Time	41ST AVENUE From North					OPAL CLIFF DRIVE From East					EAST CLIFF DRIVE From South					DRIVEWAY From West					Int. Total
	Rig ht	Thru	Left	Ped s	App. Total	Rig ht	Thru	Left	Ped s	App. Total	Rig ht	Thru	Left	Ped s	App. Total	Rig ht	Thru	Left	Ped s	App. Total	
Factor	1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		

BREAK

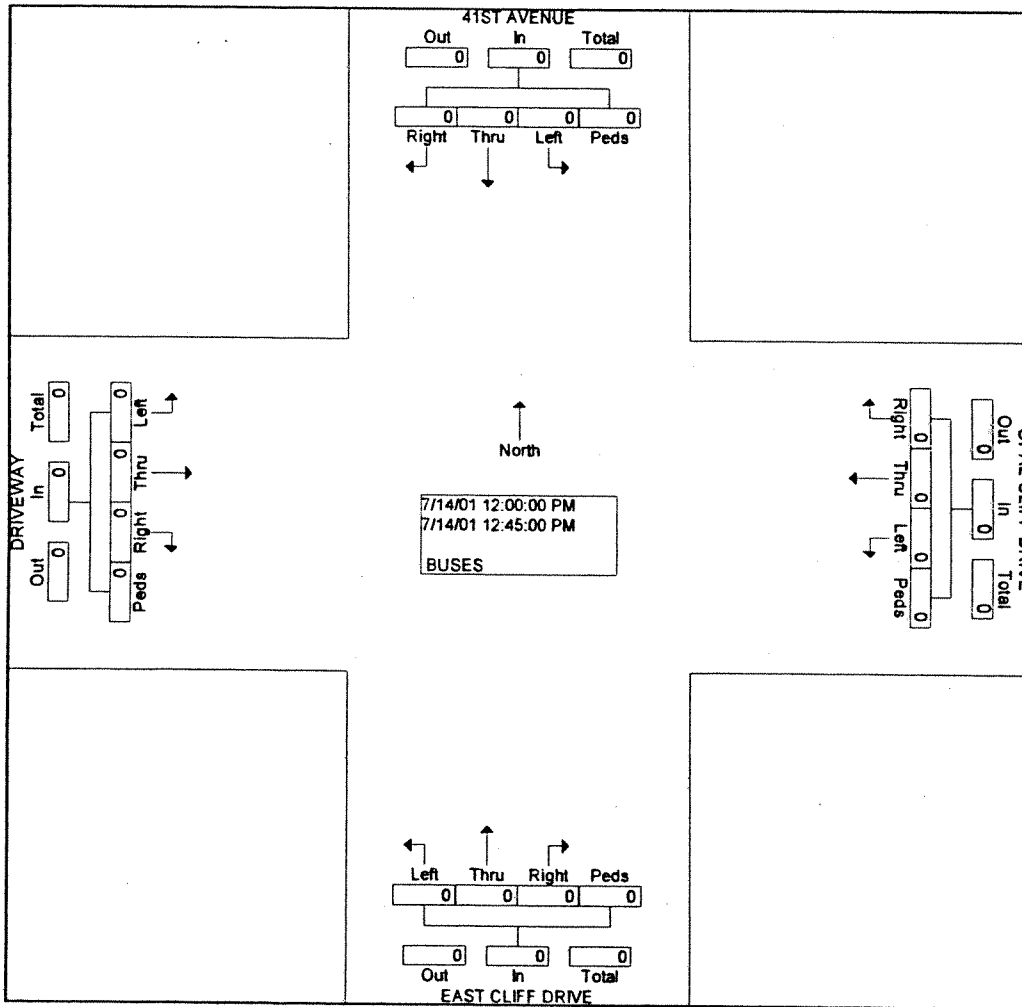
Grand Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Apprch % Total %	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		



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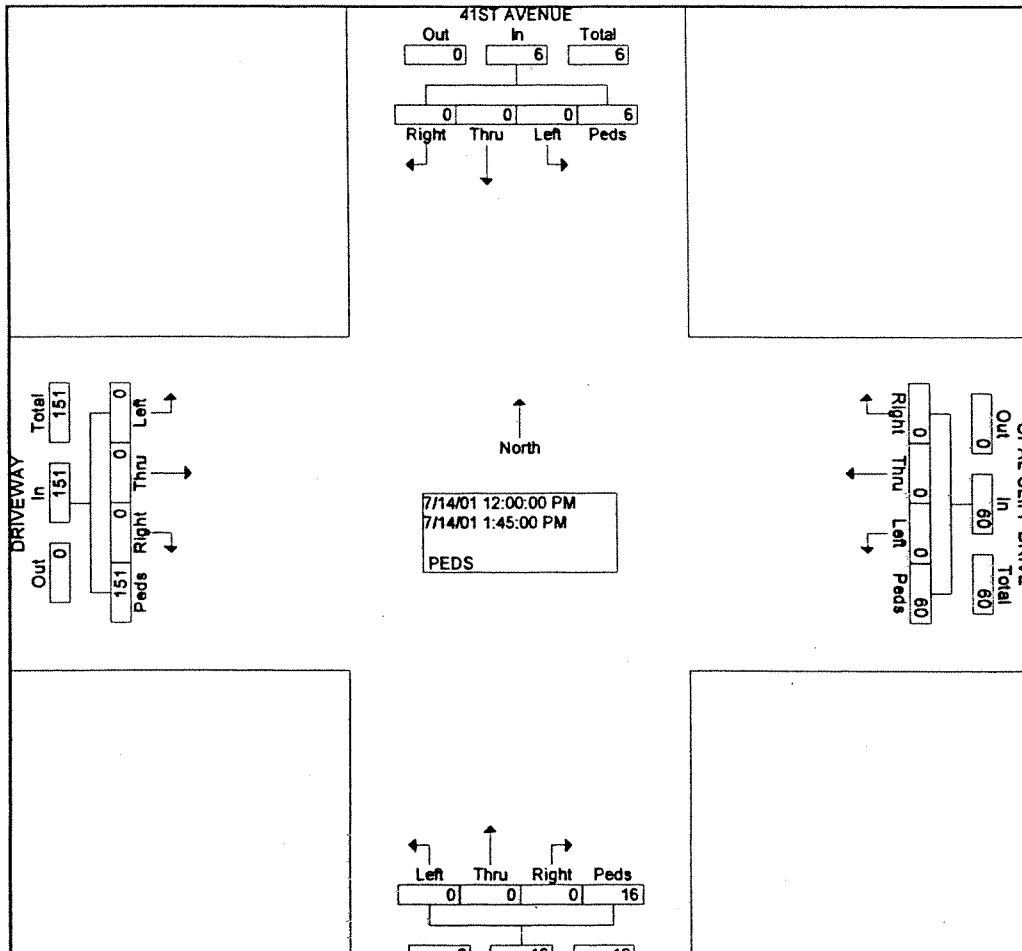
Start Time	41ST AVENUE From North					OPAL CLIFF DRIVE From East					EAST CLIFF DRIVE From South					DRIVEWAY From West					Int. Total	
	Rig ht	Thr u	Left	Ped s	App. Total	Rig ht	Thr u	Left	Ped s	App. Total	Rig ht	Thr u	Left	Ped s	App. Total	Rig ht	Thr u	Left	Ped s	App. Total		
Peak Hour From 12:00 PM to 01:45 PM - Peak 1 of 1																						
Intersect on	12:00 PM																					
Volume	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Percent	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Volume 12:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Peak Factor																					0.000	
High Int. Volume Peak	11:45:00 AM					11:45:00 AM					11:45:00 AM					11:45:00 AM						
Peak Factor																						



41ST AVENUE / EAST CLIFF DRIVE / DRIVEWAY / OPAL CLIFF DRIVE

Groups Printed- PEDS

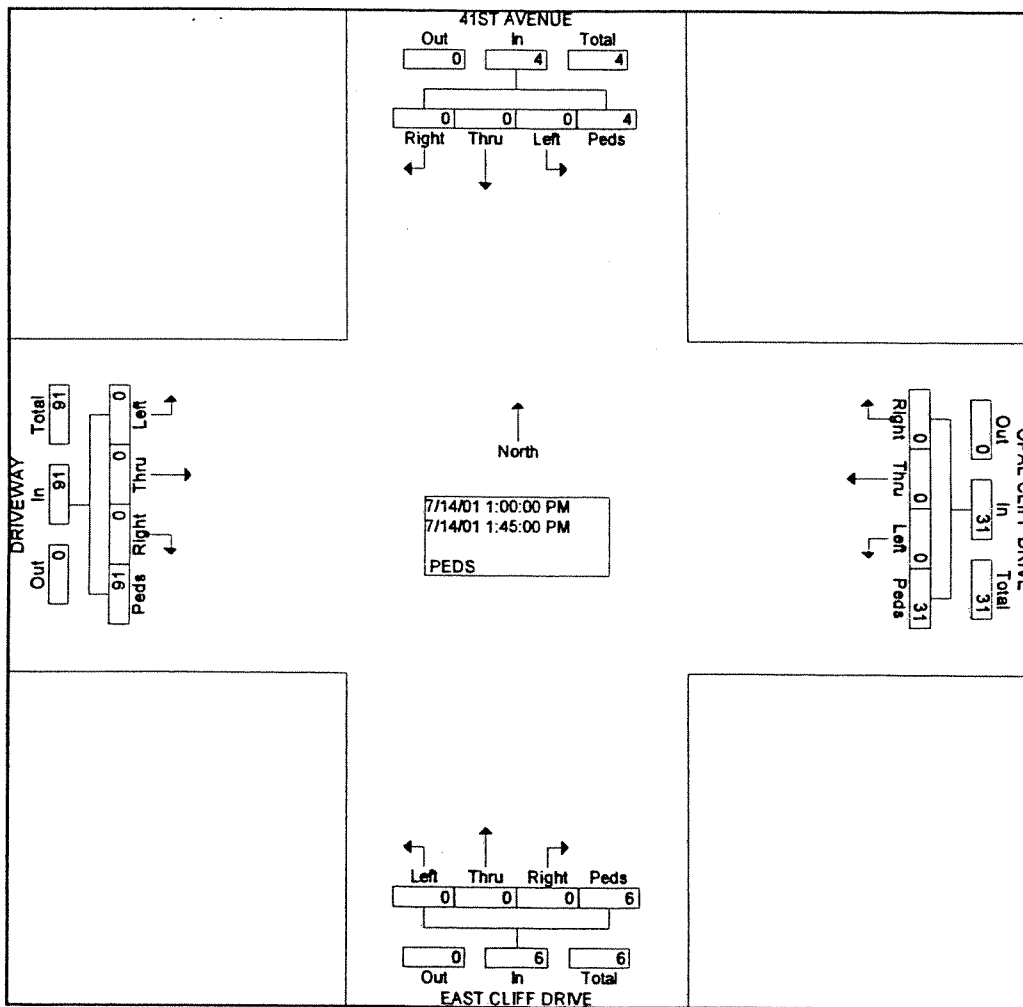
Start Time	41ST AVENUE From North					OPAL CLIFF DRIVE From East					EAST CLIFF DRIVE From South					DRIVEWAY From West					Int. Total
	Rig ht	Thru	Left	Ped s	App. Total	Rig ht	Thru	Left	Ped s	App. Total	Rig ht	Thru	Left	Ped s	App. Total	Rig ht	Thru	Left	Ped s	App. Total	
Factor	1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		
12:00 PM	0	0	0	0	0	0	0	0	2	2	0	0	0	1	1	0	0	0	25	25	28
12:15 PM	0	0	0	2	2	0	0	0	11	11	0	0	0	3	3	0	0	0	13	13	29
12:30 PM	0	0	0	0	0	0	0	0	3	3	0	0	0	6	6	0	0	0	10	10	19
12:45 PM	0	0	0	0	0	0	0	0	13	13	0	0	0	0	0	0	0	0	12	12	25
Total	0	0	0	2	2	0	0	0	29	29	0	0	0	10	10	0	0	0	60	60	101
01:00 PM	0	0	0	0	0	0	0	0	7	7	0	0	0	0	0	0	0	0	23	23	30
01:15 PM	0	0	0	0	0	0	0	0	6	6	0	0	0	2	2	0	0	0	16	16	24
01:30 PM	0	0	0	4	4	0	0	0	12	12	0	0	0	0	0	0	0	0	28	28	44
01:45 PM	0	0	0	0	0	0	0	0	6	6	0	0	0	4	4	0	0	0	24	24	34
Total	0	0	0	4	4	0	0	0	31	31	0	0	0	6	6	0	0	0	91	91	132
Grand Total	0	0	0	6	6	0	0	0	60	60	0	0	0	16	16	0	0	0	151	151	233
Apprch %	0.0	0.0	0.0	100		0.0	0.0	0.0	100		0.0	0.0	0.0	100		0.0	0.0	0.0	100		
Total %	0.0	0.0	0.0	2.6	2.6	0.0	0.0	0.0	25.8	25.8	0.0	0.0	0.0	6.9	6.9	0.0	0.0	0.0	64.8	64.8	



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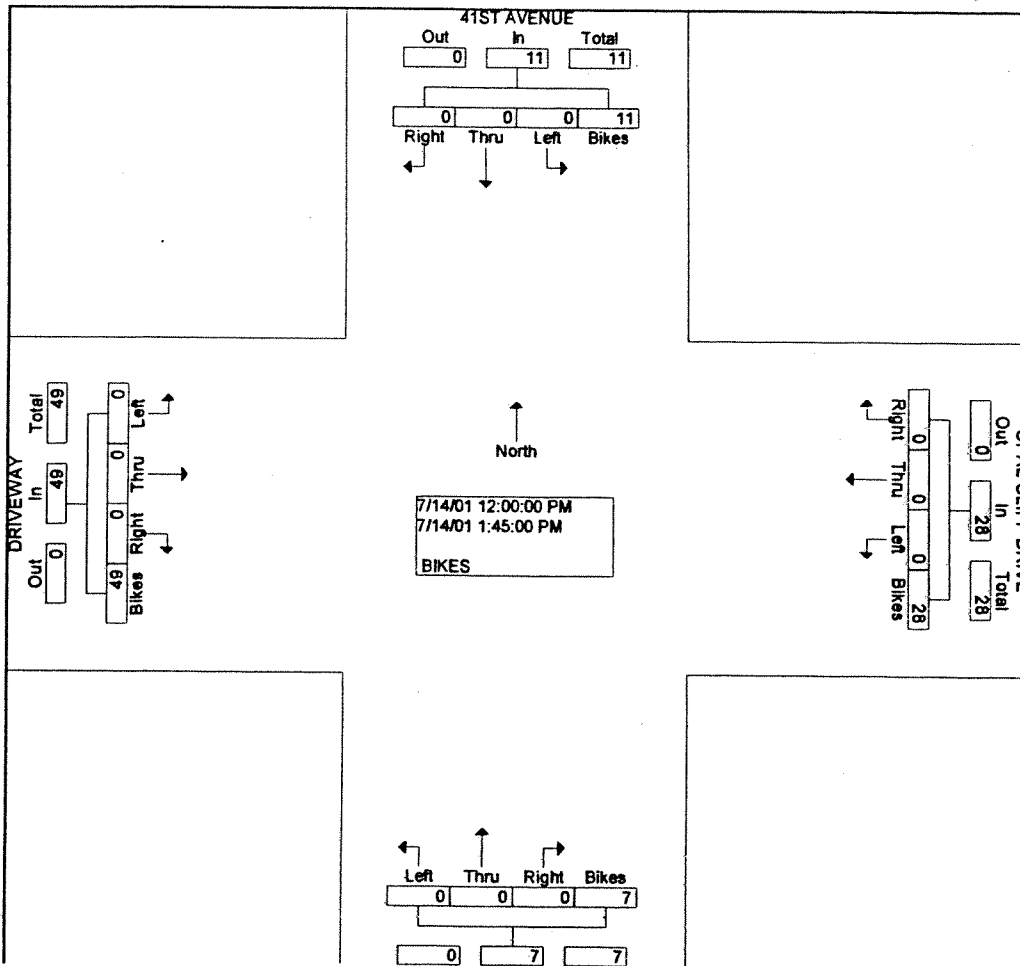
Start Time	41ST AVENUE From North					OPAL CLIFF DRIVE From East					EAST CLIFF DRIVE From South					DRIVEWAY From West					Int. Total
	Rig ht	Thr u	Left	Ped s	App. Total	Rig ht	Thr u	Left	Ped s	App. Total	Rig ht	Thr u	Left	Ped s	App. Total	Rig ht	Thr u	Left	Ped s	App. Total	
Peak Hour From 12:00 PM to 01:45 PM - Peak 1 of 1																					
Intersect on	01:00 PM																				
Volume	0	0	0	4	4	0	0	0	31	31	0	0	0	6	6	0	0	0	91	91	132
Percent	0.0	0.0	0.0	100		0.0	0.0	0.0	100		0.0	0.0	0.0	100		0.0	0.0	0.0	100		
				.0					.0					.0					.0		
01:30 Volume	0	0	0	4	4	0	0	0	12	12	0	0	0	0	0	0	0	0	28	28	44
Peak Factor	0.750																				
High Int. Volume	01:30 PM					01:30 PM					01:45 PM					01:30 PM					
Peak Factor	0	0	0	4	4	0	0	0	12	12	0	0	0	4	4	0	0	0	28	28	0.81
					0.25					0.64					0.37						0.81
					0					6					5						3



41ST AVENUE / EAST CLIFF DRIVE / DRIVEWAY / OPAL CLIFF DRIVE

Groups Printed- BIKES

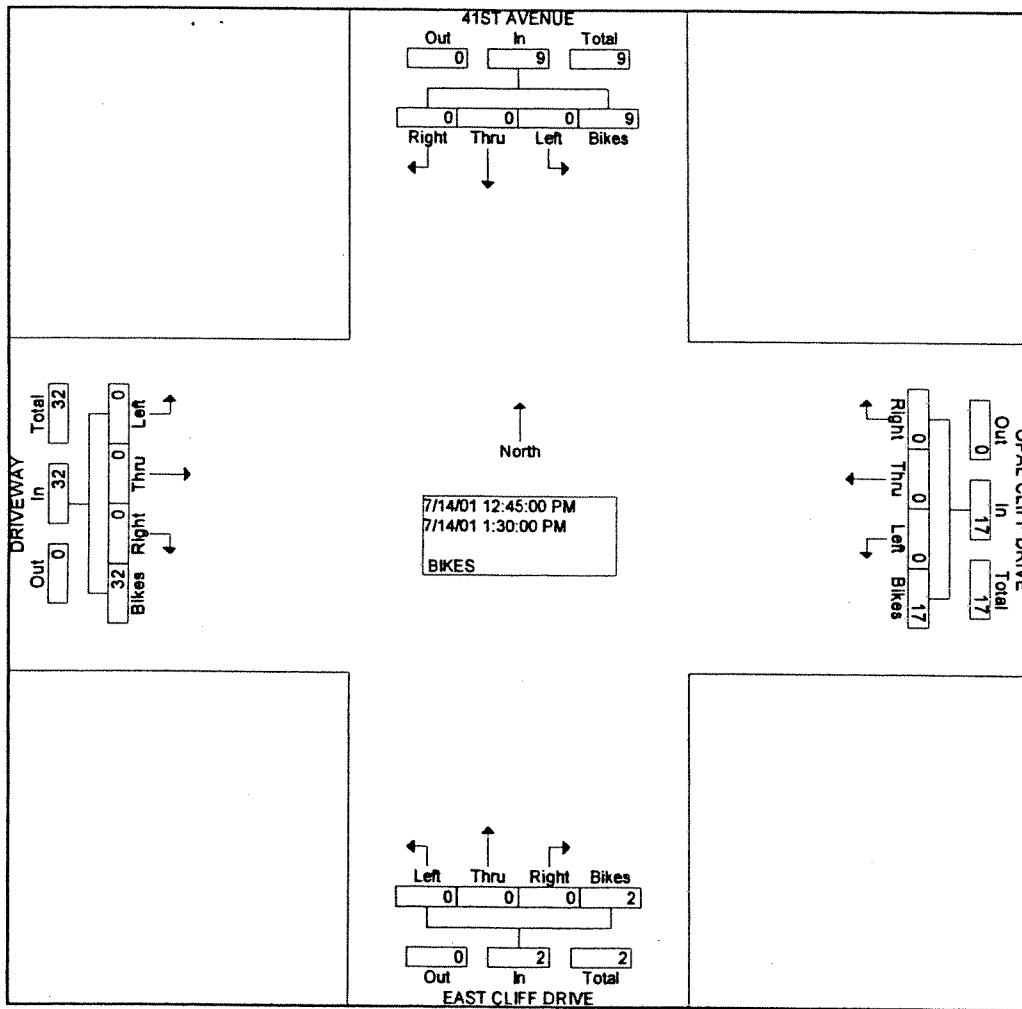
Start Time	41ST AVENUE From North					OPAL CLIFF DRIVE From East					EAST CLIFF DRIVE From South					DRIVEWAY From West					Int. Total
	Rig ht	Thr u	Left	Bik es	App. Total	Rig ht	Thr u	Left	Bik es	App. Total	Rig ht	Thr u	Left	Bik es	App. Total	Rig ht	Thr u	Left	Bik es	App. Total	
Factor	1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		
12:00 PM	0	0	0	0	0	0	0	0	2	2	0	0	0	2	2	0	0	0	6	6	10
12:15 PM	0	0	0	2	2	0	0	0	5	5	0	0	0	0	0	0	0	0	7	7	14
12:30 PM	0	0	0	0	0	0	0	0	3	3	0	0	0	0	0	0	0	0	2	2	5
12:45 PM	0	0	0	0	0	0	0	0	4	4	0	0	0	1	1	0	0	0	7	7	12
Total	0	0	0	2	2	0	0	0	14	14	0	0	0	3	3	0	0	0	22	22	41
01:00 PM	0	0	0	7	7	0	0	0	2	2	0	0	0	0	0	0	0	0	6	6	15
01:15 PM	0	0	0	1	1	0	0	0	2	2	0	0	0	0	0	0	0	0	10	10	13
01:30 PM	0	0	0	1	1	0	0	0	9	9	0	0	0	1	1	0	0	0	9	9	20
01:45 PM	0	0	0	0	0	0	0	0	1	1	0	0	0	3	3	0	0	0	2	2	6
Total	0	0	0	9	9	0	0	0	14	14	0	0	0	4	4	0	0	0	27	27	54
Grand Total	0	0	0	11	11	0	0	0	28	28	0	0	0	7	7	0	0	0	49	49	95
Apprch %	0.0	0.0	0.0	100		0.0	0.0	0.0	100		0.0	0.0	0.0	100		0.0	0.0	0.0	100		
Total %	0.0	0.0	0.0	11.6		0.0	0.0	0.0	29.5		0.0	0.0	0.0	7.4		0.0	0.0	0.0	51.6		



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Start Time	41ST AVENUE From North					OPAL CLIFF DRIVE From East					EAST CLIFF DRIVE From South					DRIVEWAY From West					Int. Total
	Rig ht	Thr u	Left	Bik es	App. Total	Rig ht	Thr u	Left	Bik es	App. Total	Rig ht	Thr u	Left	Bik es	App. Total	Rig ht	Thr u	Left	Bik es	App. Total	
Peak Hour From 12:00 PM to 01:45 PM - Peak 1 of 1																					
Intersect on	12:45 PM																				
Volume	0	0	0	9	9	0	0	0	17	17	0	0	0	2	2	0	0	0	32	32	60
Percent	0.0	0.0	0.0	100.0		0.0	0.0	0.0	100.0		0.0	0.0	0.0	100.0		0.0	0.0	0.0	100.0		
01:30 Volume	0	0	0	1	1	0	0	0	9	9	0	0	0	1	1	0	0	0	9	9	20
Peak Factor	0.750																				
High Int. Volume	01:00 PM					01:30 PM					12:45 PM					01:15 PM					
Peak Factor	0.32					0.47					0.50					0.80					0



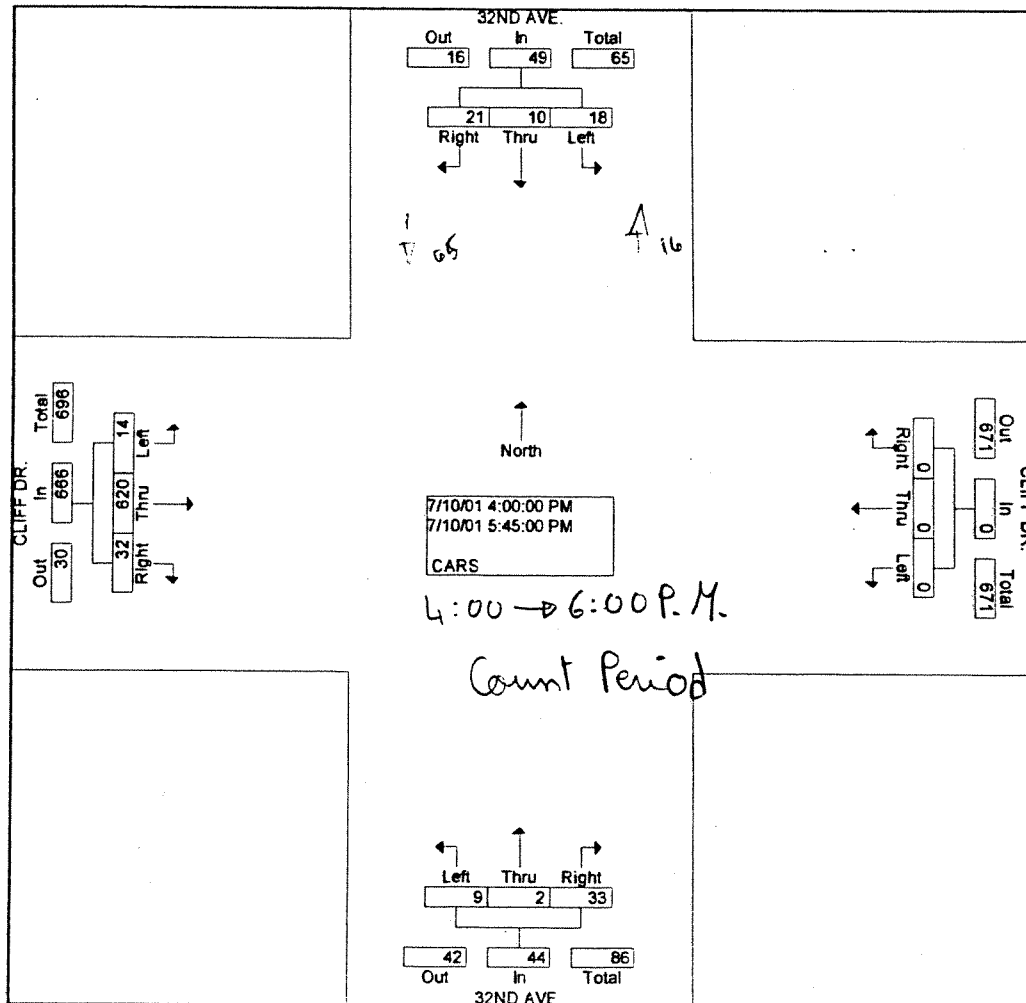
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File Name : 01-149-A
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32ND AVENUE / CLIFF DRIVE

Groups Printed- CARS

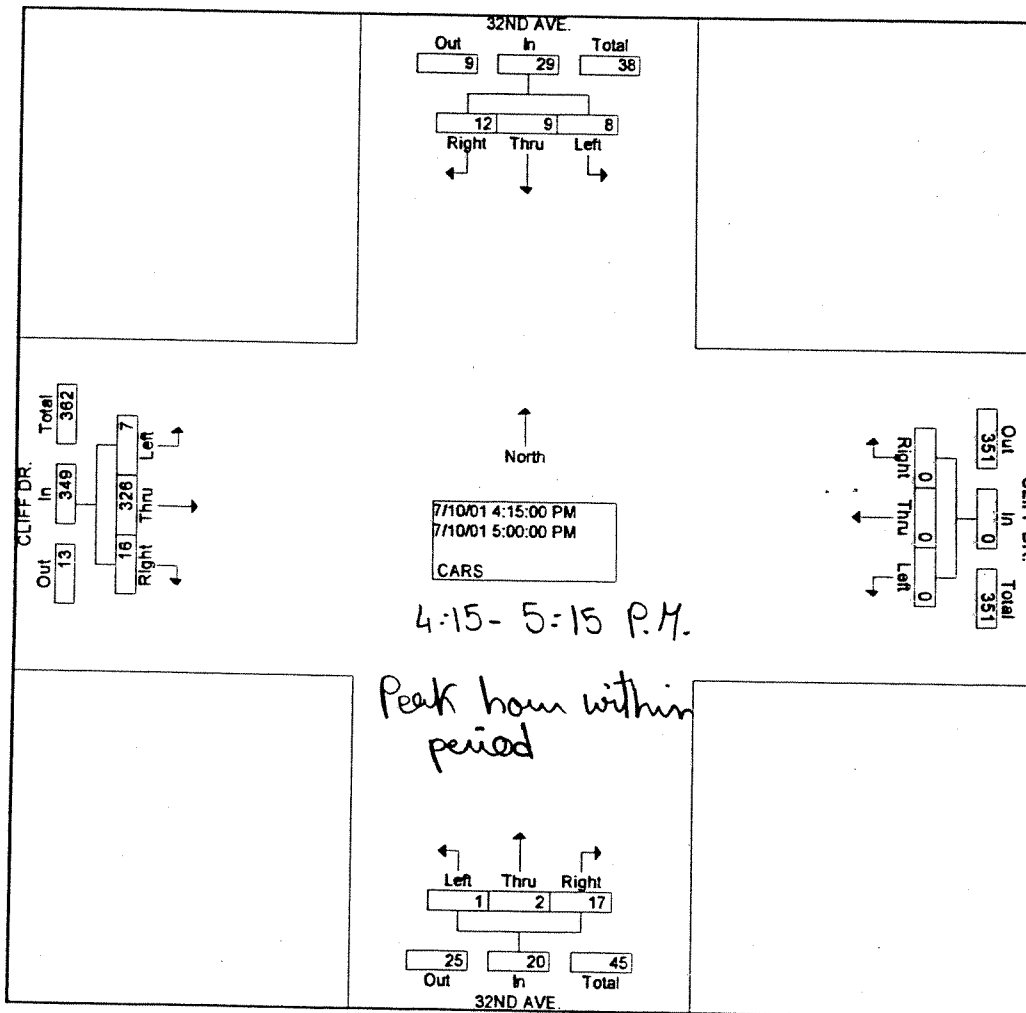
Start Time	32ND AVE. From North				CLIFF DR. From East				32ND AVE. From South				CLIFF DR. From West				Int. Total
	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	
Factor	1.0	1.0	1.0		1.0	1.0	1.0		1.0	1.0	1.0		1.0	1.0	1.0		
04:00 PM	2	0	4	6	0	0	0	0	7	0	1	8	6	67	0	73	87
04:15 PM	3	3	0	6	0	0	0	0	4	0	0	4	5	87	2	94	104
04:30 PM	3	1	4	8	0	0	0	0	5	0	0	5	3	78	3	84	97
04:45 PM	3	2	1	6	0	0	0	0	3	1	0	4	3	83	2	88	98
Total	11	6	9	26	0	0	0	0	19	1	1	21	17	315	7	339	386
05:00 PM	3	3	3	9	0	0	0	0	5	1	1	7	5	78	0	83	99
05:15 PM	3	0	2	5	0	0	0	0	6	0	3	9	3	83	3	89	103
05:30 PM	2	0	2	4	0	0	0	0	2	0	1	3	5	75	2	82	89
05:45 PM	2	1	2	5	0	0	0	0	1	0	3	4	2	69	2	73	82
Total	10	4	9	23	0	0	0	0	14	1	8	23	15	305	7	327	373
Grand Total	21	10	18	49	0	0	0	0	33	2	9	44	32	620	14	666	759
Apprch %	42.9	20.4	36.7		0.0	0.0	0.0		75.0	4.5	20.5		4.8	93.1	2.1		
Total %	2.8	1.3	2.4	6.5	0.0	0.0	0.0	0.0	4.3	0.3	1.2	5.8	4.2	81.7	1.8	87.7	



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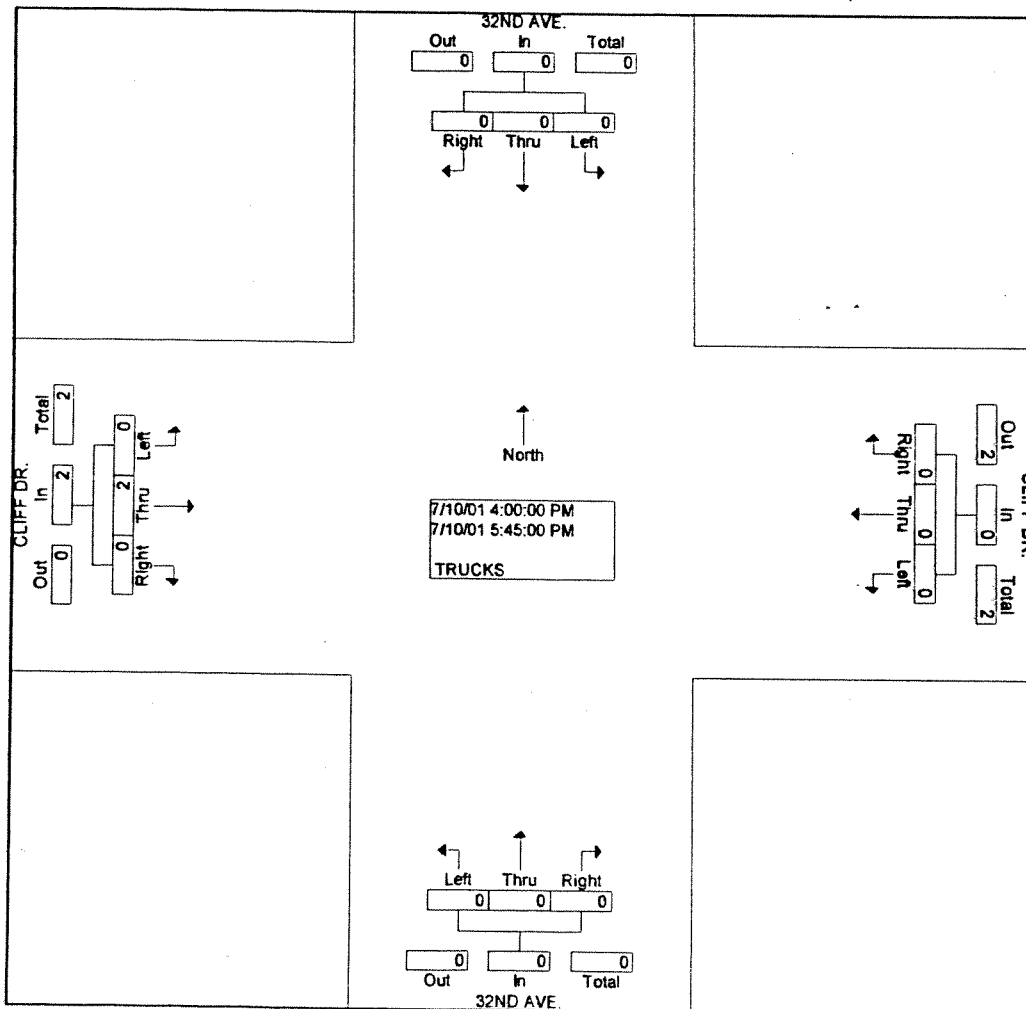
Start Time	32ND AVE. From North				CLIFF DR. From East				32ND AVE. From South				CLIFF DR. From West				Int. Total
	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	
Peak Hour From 04:00 PM to 05:45 PM - Peak 1 of 1																	
Intersection	04:15 PM																
Volume	12	9	8	29	0	0	0	0	17	2	1	20	16	326	7	349	398
Percent	41.4	31.0	27.6		0.0	0.0	0.0		85.0	10.0	5.0		4.6	93.4	2.0		
04:15																	
Volume	3	3	0	6	0	0	0	0	4	0	0	4	5	87	2	94	104
Peak Factor																	
High Int.	05:00 PM																
Volume	3	3	3	9	3:45:00 PM				05:00 PM				04:15 PM				0.957
Peak Factor	0.806								0.714				0.928				



32ND AVENUE / CLIFF DRIVE

Groups Printed- TRUCKS

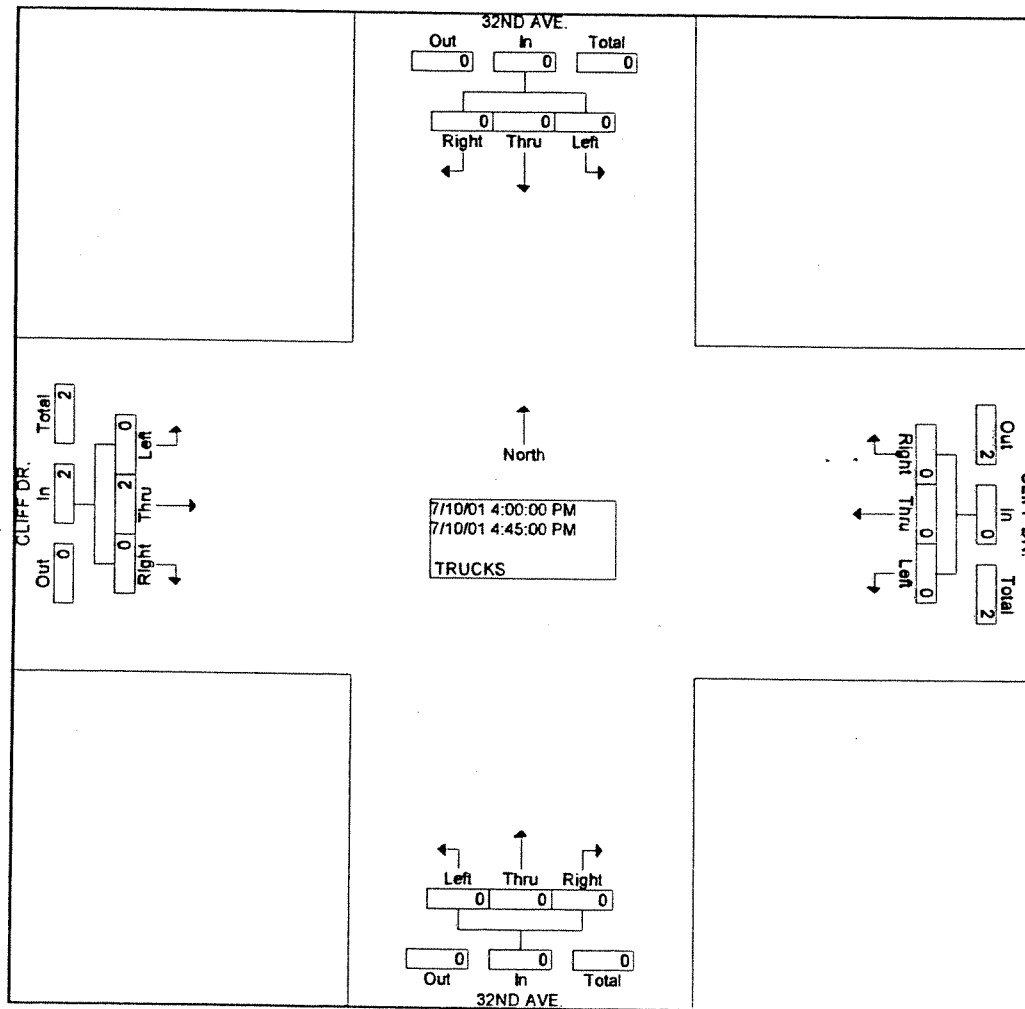
Start Time	32ND AVE. From North				CLIFF DR. From East				32ND AVE. From South				CLIFF DR. From West				Int. Total
	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	
Factor	1.0	1.0	1.0		1.0	1.0	1.0		1.0	1.0	1.0		1.0	1.0	1.0		
BREAK																	
04:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
BREAK																	
04:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	2
BREAK																	
Grand Total	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	2
Apprch %	0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0		0.0	100.0	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	100.0	



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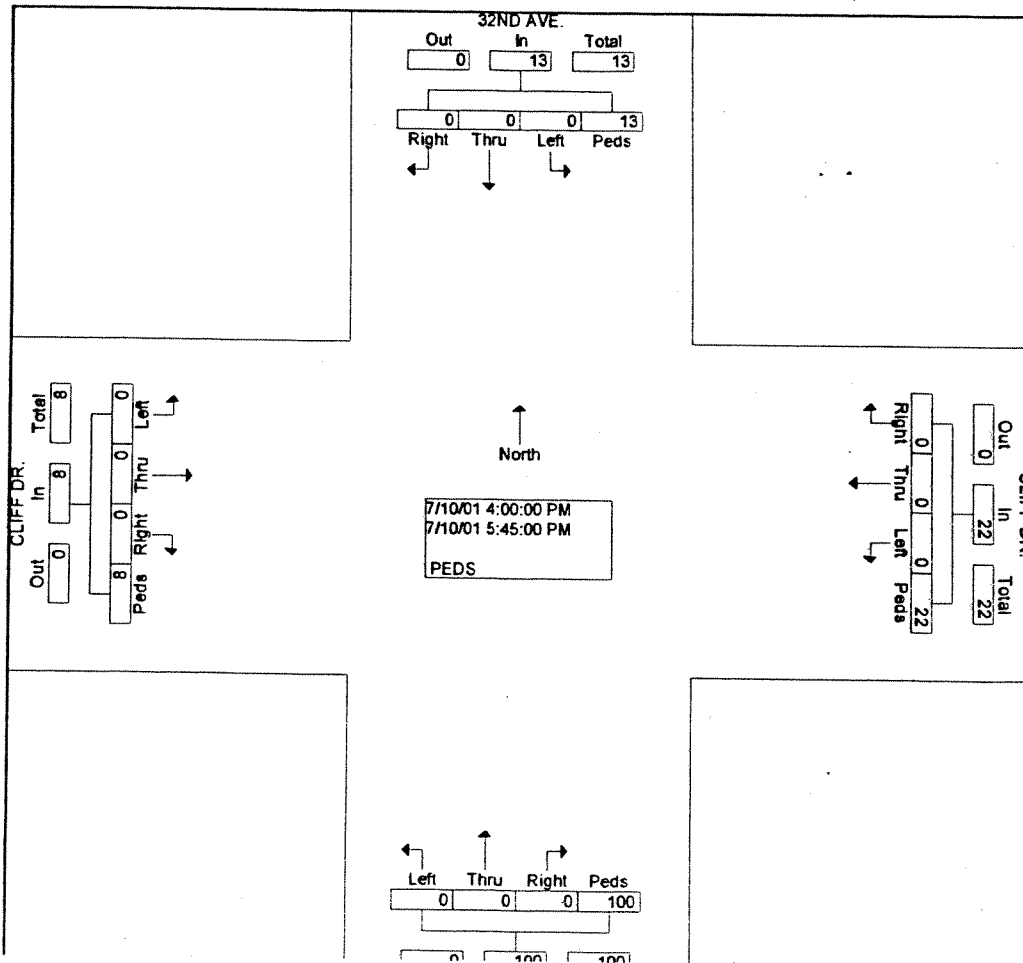
Start Time	32ND AVE. From North				CLIFF DR. From East				32ND AVE. From South				CLIFF DR. From West				Int. Total
	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	
Peak Hour From 04:00 PM to 05:45 PM - Peak 1 of 1																	
Intersection	04:00 PM																
Volume	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	2
Percent	0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0		0.0	100.0	0.0		
04:45																	
Volume	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
Peak Factor																	
High Int.	3:45:00 PM																
Volume	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0.500
Peak Factor																	



32ND AVENUE / CLIFF DRIVE

Groups Printed- PEDS

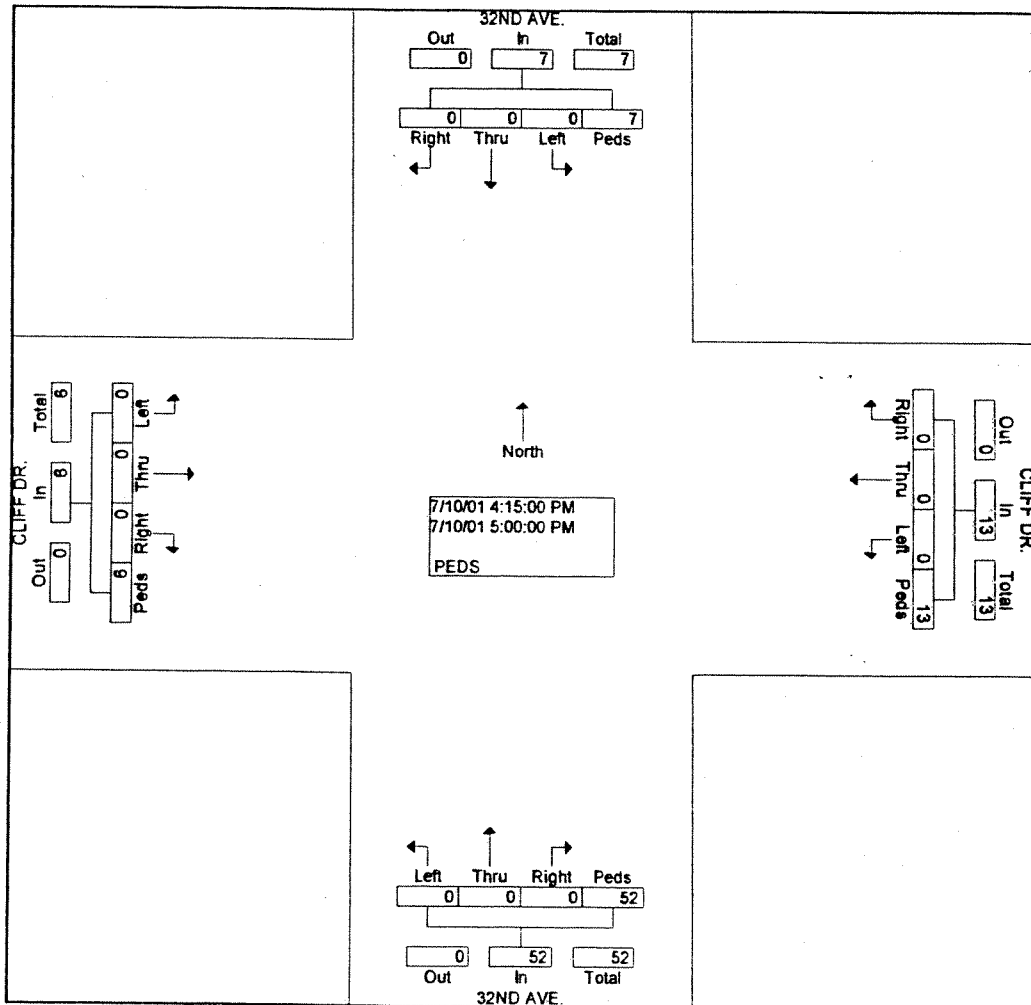
Start Time	32ND AVE. From North					CLIFF DR. From East					32ND AVE. From South					CLIFF DR. From West					Int. Total
	Rig ht	Thr u	Left	Ped s	App. Total	Rig ht	Thr u	Left	Ped s	App. Total	Rig ht	Thr u	Left	Ped s	App. Total	Rig ht	Thr u	Left	Ped s	App. Total	
Factor	1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		
04:00 PM	0	0	0	2	2	0	0	0	0	0	0	0	0	20	20	0	0	0	1	1	23
04:15 PM	0	0	0	3	3	0	0	0	0	0	0	0	0	17	17	0	0	0	3	3	23
04:30 PM	0	0	0	1	1	0	0	0	4	4	0	0	0	5	5	0	0	0	0	0	10
04:45 PM	0	0	0	1	1	0	0	0	2	2	0	0	0	15	15	0	0	0	0	0	18
Total	0	0	0	7	7	0	0	0	6	6	0	0	0	57	57	0	0	0	4	4	74
05:00 PM	0	0	0	2	2	0	0	0	7	7	0	0	0	15	15	0	0	0	3	3	27
05:15 PM	0	0	0	3	3	0	0	0	4	4	0	0	0	7	7	0	0	0	0	0	14
05:30 PM	0	0	0	1	1	0	0	0	4	4	0	0	0	11	11	0	0	0	1	1	17
05:45 PM	0	0	0	0	0	0	0	0	1	1	0	0	0	10	10	0	0	0	0	0	11
Total	0	0	0	6	6	0	0	0	16	16	0	0	0	43	43	0	0	0	4	4	69
Grand Total	0	0	0	13	13	0	0	0	22	22	0	0	0	100	100	0	0	0	8	8	143
Apprch %	0.0	0.0	0.0	100.0		0.0	0.0	0.0	100.0		0.0	0.0	0.0	100.0		0.0	0.0	0.0	100.0		
Total %	0.0	0.0	0.0	9.1	9.1	0.0	0.0	0.0	15.4	15.4	0.0	0.0	0.0	69.9	69.9	0.0	0.0	0.0	5.6	5.6	



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Start Time	32ND AVE. From North					CLIFF DR. From East					32ND AVE. From South					CLIFF DR. From West					Int. Total
	Rig ht	Thr u	Left	Ped s	App. Total	Rig ht	Thr u	Left	Ped s	App. Total	Rig ht	Thr u	Left	Ped s	App. Total	Rig ht	Thr u	Left	Ped s	App. Total	
Peak Hour From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Intersect on																					
Volume	0	0	0	7	7	0	0	0	13	13	0	0	0	52	52	0	0	0	6	6	78
Percent	0.0	0.0	0.0	100		0.0	0.0	0.0	100		0.0	0.0	0.0	100		0.0	0.0	0.0	100		
05:00 Volume	0	0	0	2	2	0	0	0	7	7	0	0	0	15	15	0	0	0	3	3	27
Peak Factor																					0.722
High Int. Volume	0	0	0	3	3	0	0	0	7	7	0	0	0	17	17	0	0	0	3	3	
Peak Factor																					0.50
																					0



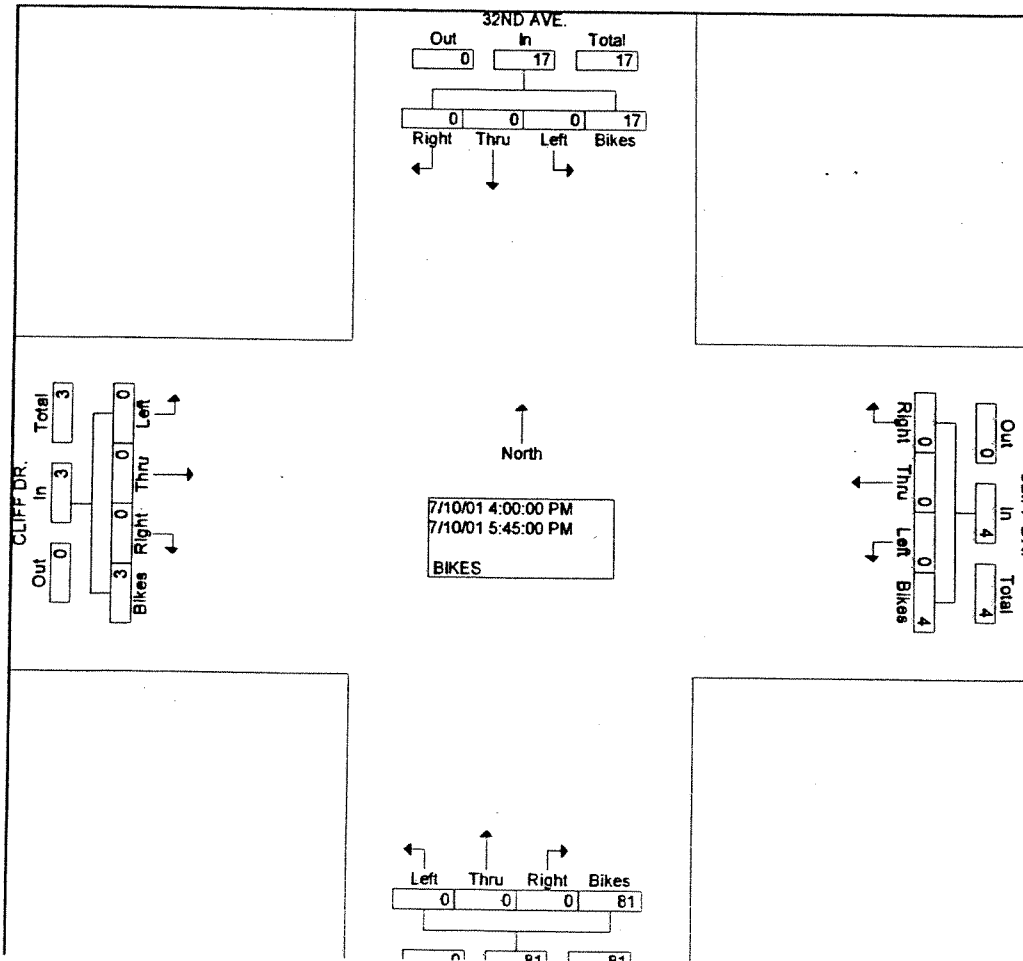
Higgins Associates
 1335 First St. Ste. A
 Gilroy, Ca
 95020

File Name : 01-149-A
 Site Code : 00000000
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32ND AVENUE / CLIFF DRIVE

Groups Printed- BIKES

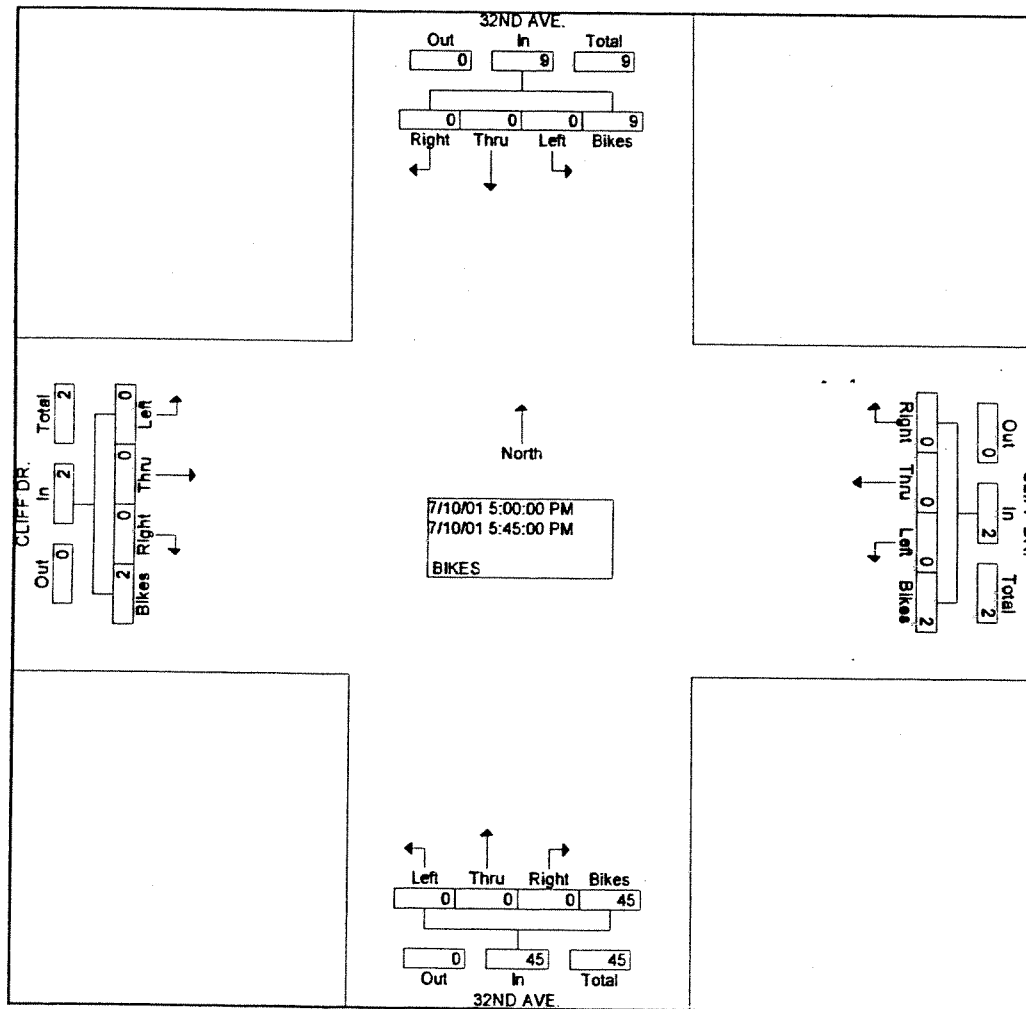
Start Time	32ND AVE. From North					CLIFF DR. From East					32ND AVE. From South					CLIFF DR. From West					Int. Total
	Rig ht	Thru	Left	Bik es	App. Total	Rig ht	Thru	Left	Bik es	App. Total	Rig ht	Thru	Left	Bik es	App. Total	Rig ht	Thru	Left	Bik es	App. Total	
Factor	1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		
04:00 PM	0	0	0	2	2	0	0	0	0	0	0	0	0	8	8	0	0	0	0	0	0
04:15 PM	0	0	0	0	0	0	0	0	1	1	0	0	0	15	15	0	0	0	1	1	1
04:30 PM	0	0	0	1	1	0	0	0	0	0	0	0	0	7	7	0	0	0	0	0	0
04:45 PM	0	0	0	5	5	0	0	0	1	1	0	0	0	6	6	0	0	0	0	0	0
Total	0	0	0	8	8	0	0	0	2	2	0	0	0	36	36	0	0	0	1	1	1
05:00 PM	0	0	0	3	3	0	0	0	1	1	0	0	0	12	12	0	0	0	1	1	1
05:15 PM	0	0	0	3	3	0	0	0	0	0	0	0	0	9	9	0	0	0	1	1	1
05:30 PM	0	0	0	2	2	0	0	0	0	0	0	0	0	11	11	0	0	0	0	0	0
05:45 PM	0	0	0	1	1	0	0	0	1	1	0	0	0	13	13	0	0	0	0	0	0
Total	0	0	0	9	9	0	0	0	2	2	0	0	0	45	45	0	0	0	2	2	2
Grand Total	0	0	0	17	17	0	0	0	4	4	0	0	0	81	81	0	0	0	3	3	105
Apprch %	0.0	0.0	0.0	100.0		0.0	0.0	0.0	100.0		0.0	0.0	0.0	100.0		0.0	0.0	0.0	100.0		
Total %	0.0	0.0	0.0	16.2	16.2	0.0	0.0	0.0	3.8	3.8	0.0	0.0	0.0	77.1	77.1	0.0	0.0	0.0	2.9	2.9	



Higgins Associates
 1335 First St. Ste. A
 Gilroy, Ca
 95020

File Name : 01-149-A
 Site Code : 00000000
 Start Date : 07/10/2001
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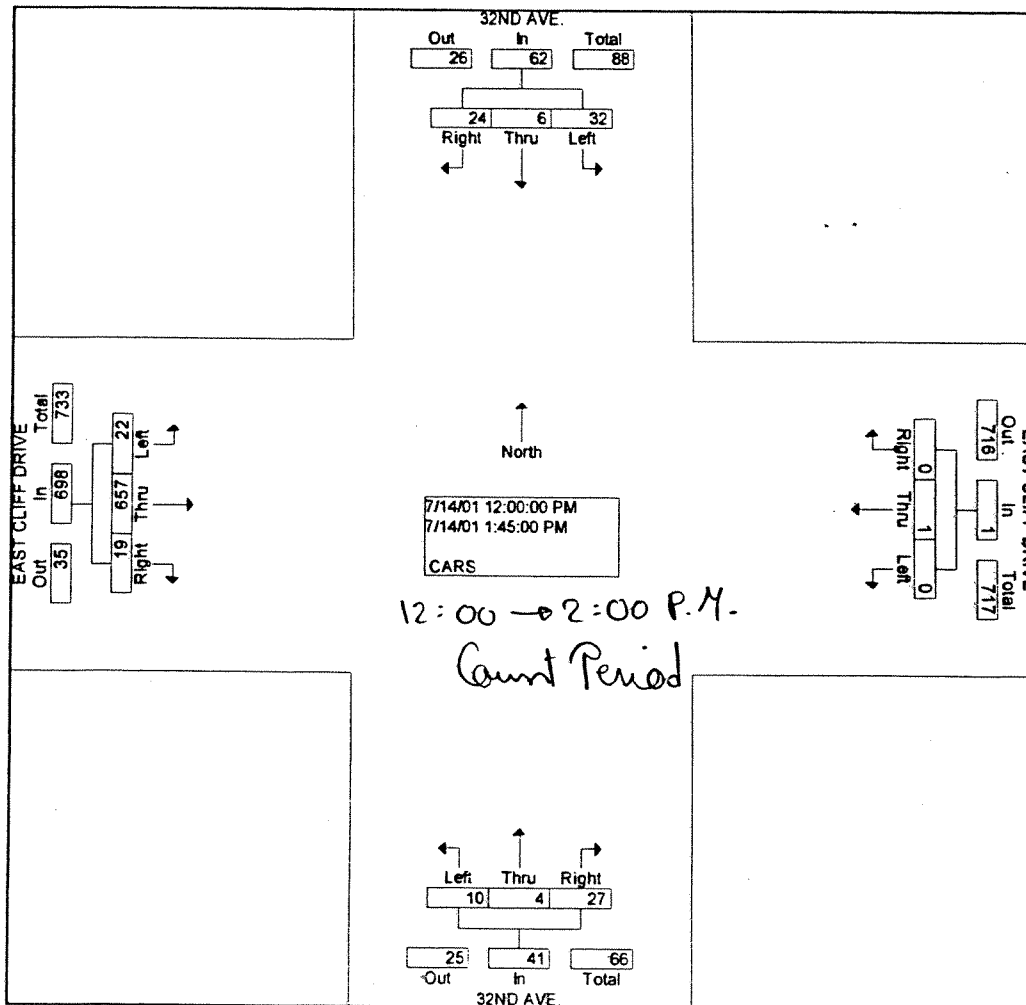
Start Time	32ND AVE. From North					CLIFF DR. From East					32ND AVE. From South					CLIFF DR. From West					Int. Total
	Rig ht	Thru	Left	Bik es	App. Total	Rig ht	Thru	Left	Bik es	App. Total	Rig ht	Thru	Left	Bik es	App. Total	Rig ht	Thru	Left	Bik es	App. Total	
Peak Hour From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Intersect on	05:00 PM																				
Volume	0	0	0	9	9	0	0	0	2	2	0	0	0	45	45	0	0	0	2	2	58
Percent	0.0	0.0	0.0	100	.0	0.0	0.0	0.0	100	.0	0.0	0.0	0.0	100	.0	0.0	0.0	0.0	100	.0	
05:00 Volume	0	0	0	3	3	0	0	0	1	1	0	0	0	12	12	0	0	0	1	1	17
Peak Factor	0.853																				
High Int. Volume	05:00 PM					05:00 PM					05:45 PM					05:00 PM					
Peak Factor	0	0	0	3	0.75	0	0	0	1	0.50	0	0	0	13	0.86	0	0	0	1	0.50	0



32ND AVENUE/ EAST CLIFF DRIVE

Groups Printed- CARS

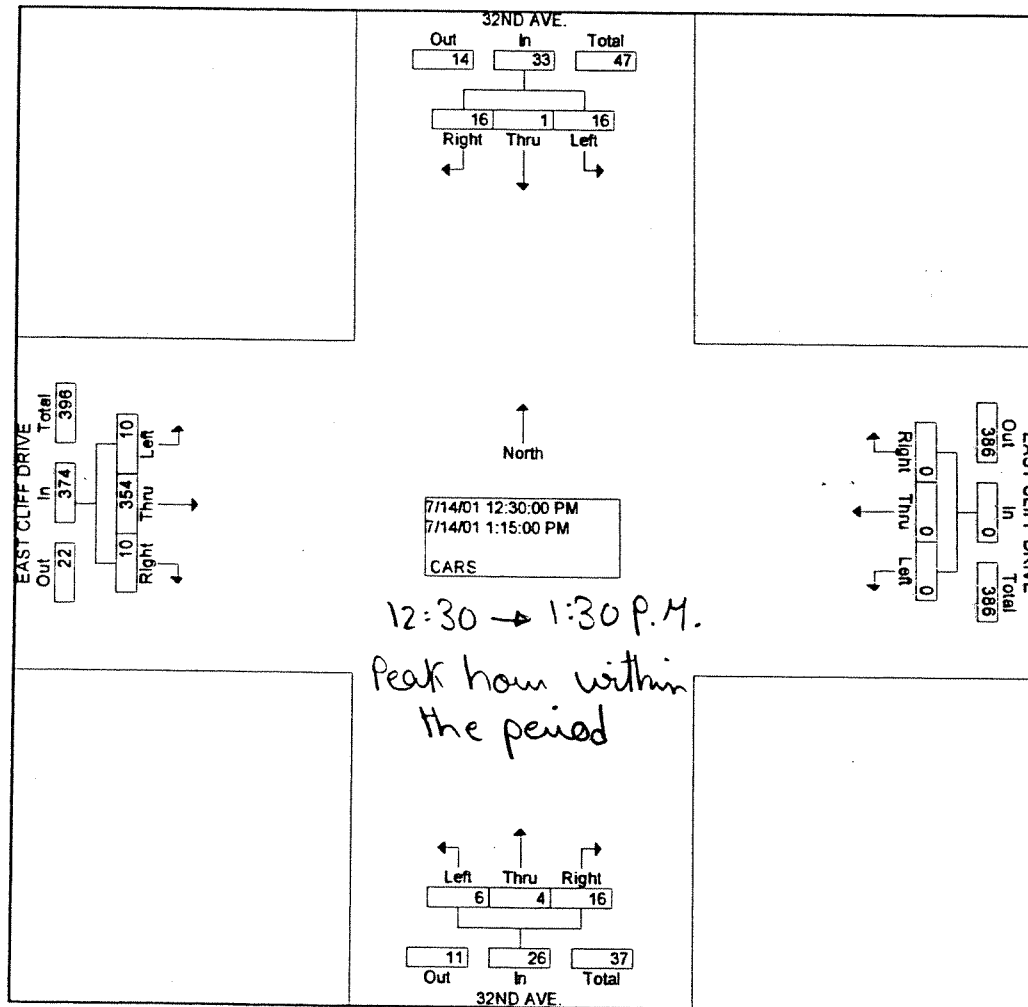
Start Time	32ND AVE. From North				EAST CLIFF DRIVE From East				32ND AVE. From South				EAST CLIFF DRIVE From West				Int. Total
	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	
Factor	1.0	1.0	1.0		1.0	1.0	1.0		1.0	1.0	1.0		1.0	1.0	1.0		
12:00 PM	2	0	0	2	0	0	0	0	2	0	1	3	2	74	4	80	85
12:15 PM	4	0	4	8	0	0	0	0	4	0	0	4	2	82	3	87	99
12:30 PM	2	0	2	4	0	0	0	0	5	1	1	7	3	84	3	90	101
12:45 PM	4	0	5	9	0	0	0	0	4	1	2	7	1	92	0	93	109
Total	12	0	11	23	0	0	0	0	15	2	4	21	8	332	10	350	394
01:00 PM	8	1	5	14	0	0	0	0	4	1	2	7	3	86	1	90	111
01:15 PM	2	0	4	6	0	0	0	0	3	1	1	5	3	92	6	101	112
01:30 PM	0	2	5	7	0	0	0	0	4	0	1	5	4	73	3	80	92
01:45 PM	2	3	7	12	0	1	0	1	1	0	2	3	1	74	2	77	93
Total	12	6	21	39	0	1	0	1	12	2	6	20	11	325	12	348	408
Grand Total	24	6	32	62	0	1	0	1	27	4	10	41	19	657	22	698	802
Apprch %	38.7	9.7	51.6		0.0	100.0	0.0		65.9	9.8	24.4		2.7	94.1	3.2		
Total %	3.0	0.7	4.0	7.7	0.0	0.1	0.0	0.1	3.4	0.5	1.2	5.1	2.4	81.9	2.7	87.0	



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 95020

File Name : 01-149-D
 Site Code : 00000000
 Start Date : 07/14/2001
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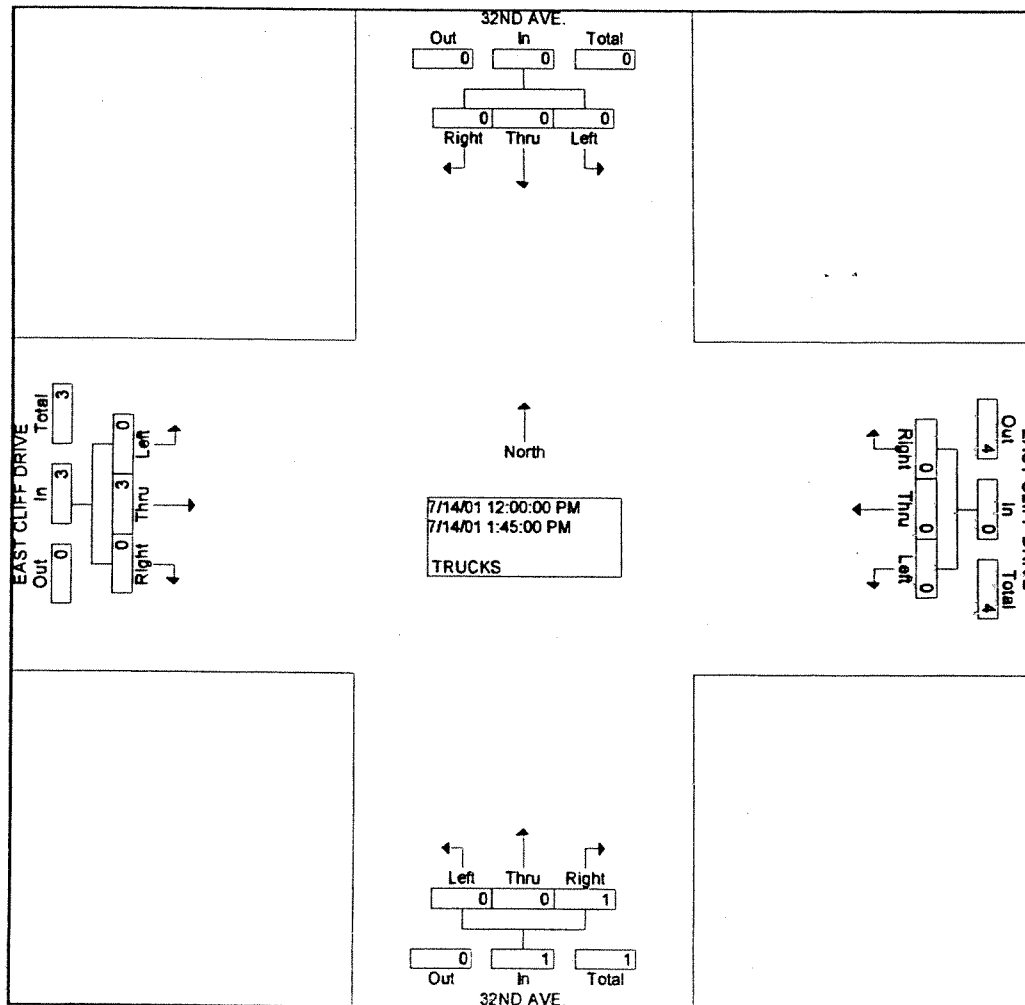
Start Time	32ND AVE. From North				EAST CLIFF DRIVE From East				32ND AVE. From South				EAST CLIFF DRIVE From West				Int. Total
	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	
Peak Hour From 12:00 PM to 01:45 PM - Peak 1 of 1																	
Intersection	12:30 PM																
Volume	16	1	16	33	0	0	0	0	16	4	6	26	10	354	10	374	433
Percent	48.5	3.0	48.5		0.0	0.0	0.0		61.5	15.4	23.1		2.7	94.7	2.7		
01:15																	
Volume	2	0	4	6	0	0	0	0	3	1	1	5	3	92	6	101	112
Peak Factor																	
High Int.	01:00 PM																
Volume	8	1	5	14	11:45:00 AM				12:30 PM				01:15 PM				0.967
Peak Factor	0.589								0.929								



32ND AVENUE/ EAST CLIFF DRIVE

Groups Printed- TRUCKS

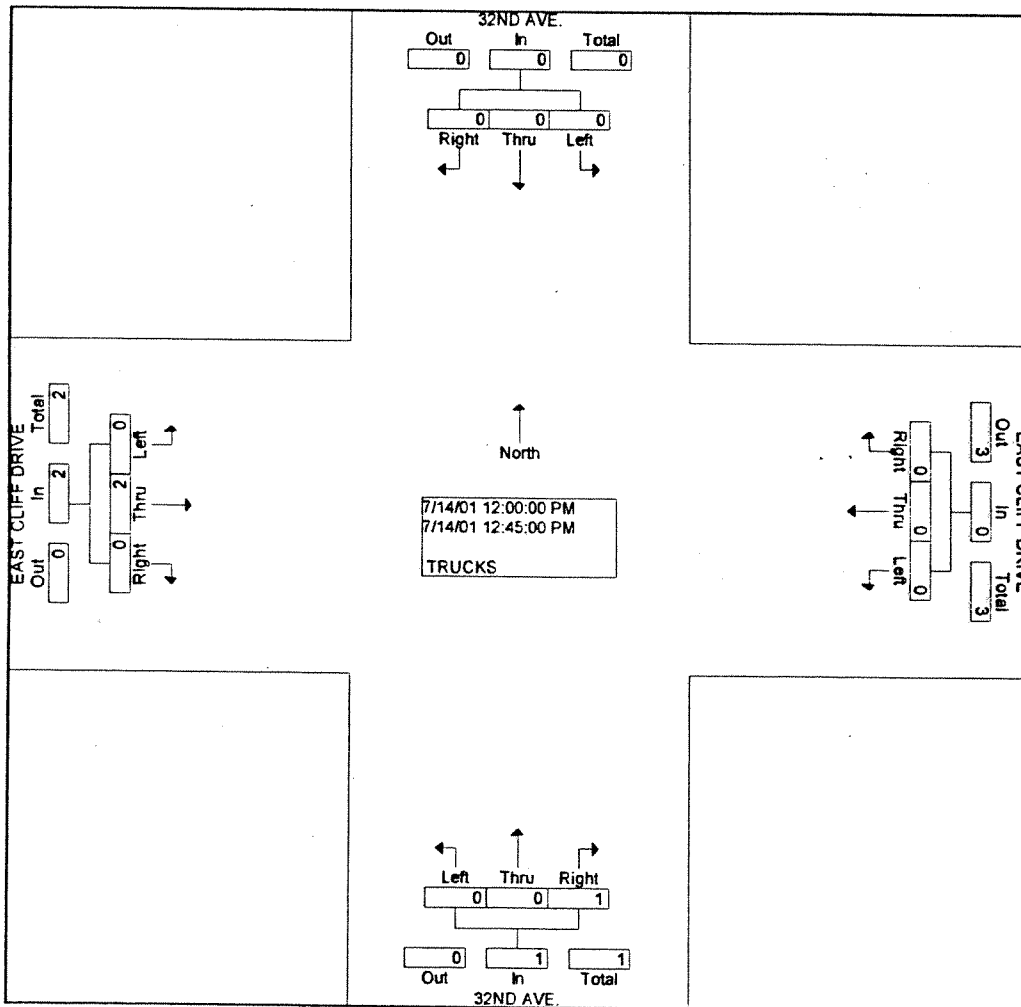
Start Time	32ND AVE. From North				EAST CLIFF DRIVE From East				32ND AVE. From South				EAST CLIFF DRIVE From West				Int. Total
	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	
Factor	1.0	1.0	1.0		1.0	1.0	1.0		1.0	1.0	1.0		1.0	1.0	1.0		
12:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
12:15 PM	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	1
12:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
BREAK																	
Total	0	0	0	0	0	0	0	0	1	0	0	1	0	2	0	2	3
01:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
BREAK																	
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
Grand Total	0	0	0	0	0	0	0	0	1	0	0	1	0	3	0	3	4
Apprch %	0.0	0.0	0.0		0.0	0.0	0.0		100. 0	0.0	0.0		0.0	100. 0	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.0	0.0	0.0	25.0	0.0	75.0	0.0	75.0	



Higgins Associates
 1335 First St. Ste. A
 Gilroy, Ca
 95020

File Name : 01-149-D
 Site Code : 00000000
 Start Date : 07/14/2001
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Start Time	32ND AVE. From North				EAST CLIFF DRIVE From East				32ND AVE. From South				EAST CLIFF DRIVE From West				Int. Total
	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	
Peak Hour From 12:00 PM to 01:45 PM - Peak 1 of 1																	
Intersection	12:00 PM																
Volume	0	0	0	0	0	0	0	0	1	0	0	1	0	2	0	2	3
Percent	0.0	0.0	0.0		0.0	0.0	0.0		100.0	0.0	0.0		0.0	100.0	0.0		
12:30 Volume	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
Peak Factor	0.750																
High Int.	11:45:00 AM				11:45:00 AM				12:15 PM				12:00 PM				
Volume	0	0	0	0	0	0	0	0	1	0	0	1	0	1	0	1	
Peak Factor									0.250				0.500				



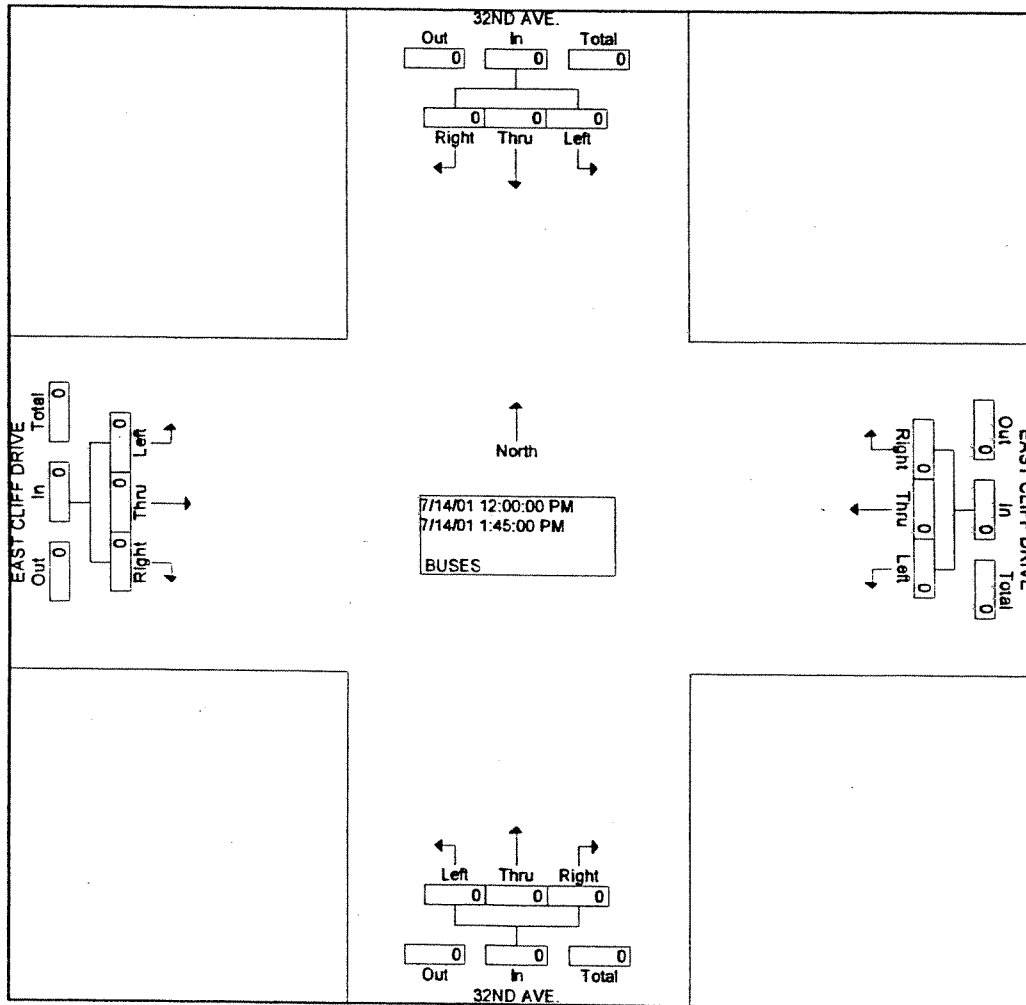
32ND AVENUE/ EAST CLIFF DRIVE

Groups Printed- BUSES

Start Time	32ND AVE. From North				EAST CLIFF DRIVE From East				32ND AVE. From South				EAST CLIFF DRIVE From West				Int. Total
	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	
Factor	1.0	1.0	1.0		1.0	1.0	1.0		1.0	1.0	1.0		1.0	1.0	1.0		

BREAK

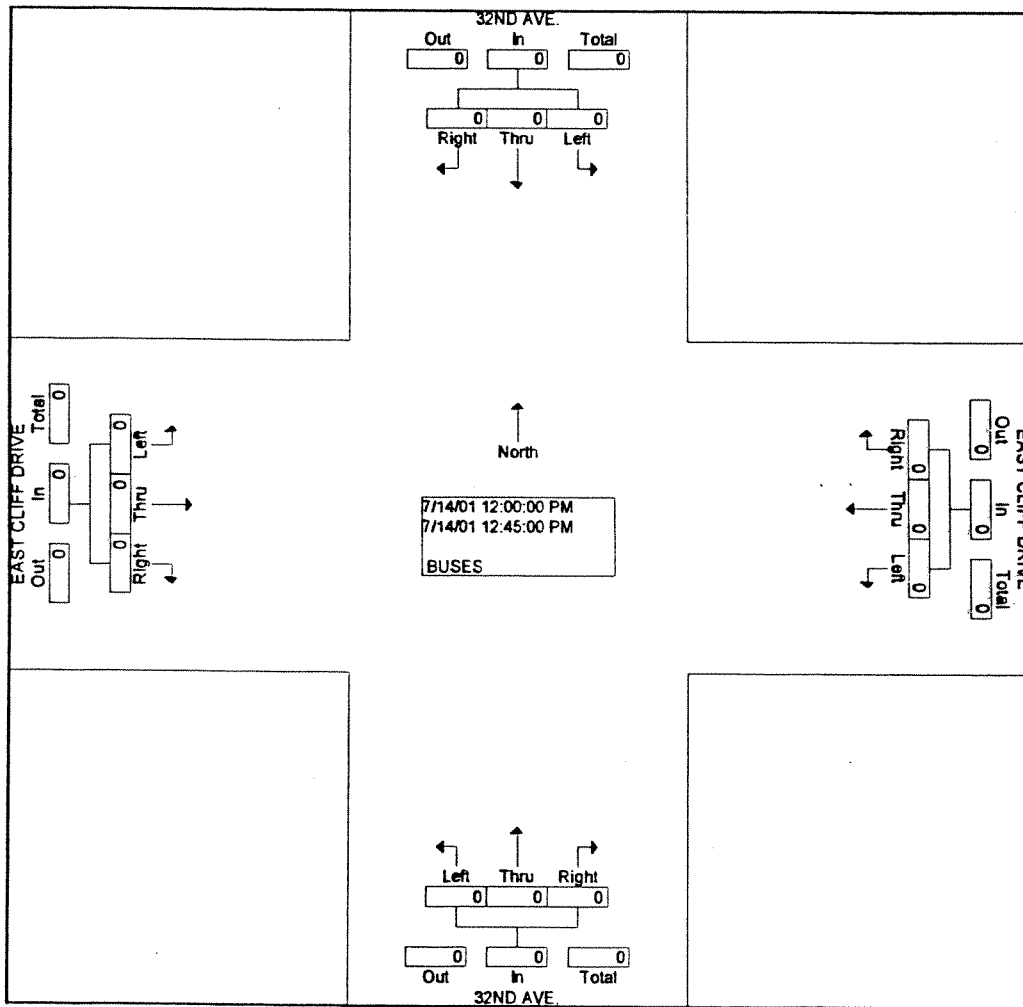
Grand Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Apprch %	0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0		
Total %																	



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 95020

File Name : 01-149-D
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Start Time	32ND AVE. From North				EAST CLIFF DRIVE From East				32ND AVE. From South				EAST CLIFF DRIVE From West				Int. Total	
	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total		
Peak Hour From 12:00 PM to 01:45 PM - Peak 1 of 1																		
Intersection	12:00 PM																	
Volume	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Percent	0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0			
12:45																		
Volume	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Peak Factor																		
High Int.	11:45:00 AM				11:45:00 AM				11:45:00 AM				11:45:00 AM				0.000	
Volume																		
Peak Factor																		





County of Santa Cruz
Department of Public Works

East Cliff Drive

Traffic Study

January 1996

Introduction

The East Cliff Drive roadway between 33rd and 41st Avenues has experience severe erosion of the coastal cliffs over the past years. The County has attempted to slow this erosion by installing crib walls and placing rip rap along the toe of the cliffs. In early 1994, East Cliff Drive was converted to a one-way roadway between 38th and 41st Avenues in order to reduce vehicular loading of the coastal cliffs along East Cliff Drive at the Larch Lane site. In January and March 1995, major storm events severely impacted the coastal cliffs on East Cliff Drive with the severest damage at the Larch Lane site. The County is currently working with the Federal Emergency Management Agency (FEMA) to repair the storm damage cliffs on East Cliff Drive at the Larch Lane site and the areas between 33rd and 38th Avenues.

The County Board of Supervisors approved a traffic study in May 1995 to temporarily extend the existing one-way roadway section on East Cliff Drive to include the section from 32nd to 38th Avenues. The study included the conversion of the roadway to an eastbound vehicular lane and a bike/pedestrian facility along the coastal bluffs. The public including most residents responded well to the one-way conversion. The residents on Hawes Drive and 30th Avenue have however experienced additional traffic on the roadways. In order to mitigate the additional traffic and speeding on 30th Avenue, the Board of Supervisors directed the Public Works Department to install road bumps. The additional traffic on Hawes Drive is not considered to be significant, however, it may be necessary to install road bumps in the future to mitigate neighborhood concerns. On December 5, 1996, the Board of Supervisors extended the time line for the one-way study on East Cliff Drive because of the continuing erosion of the cliffs and the need to reduce vehicular loading on the cliffs. The Board also directed the Public Works Department to initiate environmental review to convert East Cliff Drive to a permanent one-way roadway. See Attachment 1 for a project location map.

Establishment of Goals

A series of meetings with Supervisor Jan Beautz, the Redevelopment Agency, the Public Works Department and East Cliff Drive task force members (County residents) resulted in the development of goals to improve the intermodal circulation in the East Cliff Drive area. The goals developed at these meetings are as follows:

1. Given the significant attraction of East Cliff Drive, it is essential that walking and bicycling along the cliff area be made as safe and enjoyable as possible.
2. The East Cliff Drive area provides a unique experience for the entire community, and therefore at least one-way vehicular traffic through the area should be maintained.
3. Because of the narrow width of the local streets and the potential impact with additional traffic, through traffic should be encouraged to remain on East Cliff Drive, and where traffic diversions through the neighborhoods are necessary the effects should be spread throughout area streets rather than be concentrated along one local street.
4. In order to reduce erosion and additional failure of the coastal cliffs, traffic should be shifted as far as possible from the cliff edges.

Traffic Counts

The Public Works Department conducted numerous traffic counts on East Cliff Drive and the adjacent avenues before and after the conversion of East Cliff Drive to a one-way roadway between 32nd and 38th Avenues. The traffic counts are shown on Attachment 2. As the attachment shows, most of the avenues and East Cliff Drive see a reduction in daily traffic volumes after East Cliff Drive was converted to a one-way roadway. The only two streets that increased in daily traffic are 30th Avenue and Hawes Drive. Thirtieth Avenue is now carrying approximately 500 to 600 more vehicles per day and Hawes Drive is carrying approximately 400 more vehicles per day. Increases in traffic volumes are generally expected when adjacent roadways are converted to one-way roadways. The increases in traffic for both roadways are not considered to be significant since the volumes are within the Santa Cruz County General Plan average daily traffic requirements (Figure 3.4 County General Plan). This is not to say though that the residents have not been affected by the additional traffic on the two roadways.

The Public Works Department will continue monitoring 30th Avenue and Hawes Drive and other roadways in the study area for the next several years to follow any unusually changes. In conducting traffic counts, it was apparent that the volumes on 30th Avenue and Hawes Drive increase significantly on days when recreational conditions (e.g., surfing, sightseeing, etc.) were good along the Monterey Bay. Since this is considered a seasonal variation in the Santa Cruz area, the Public Works Department is not proposing any restrictions to affect recreational traffic in the East Cliff Drive area.

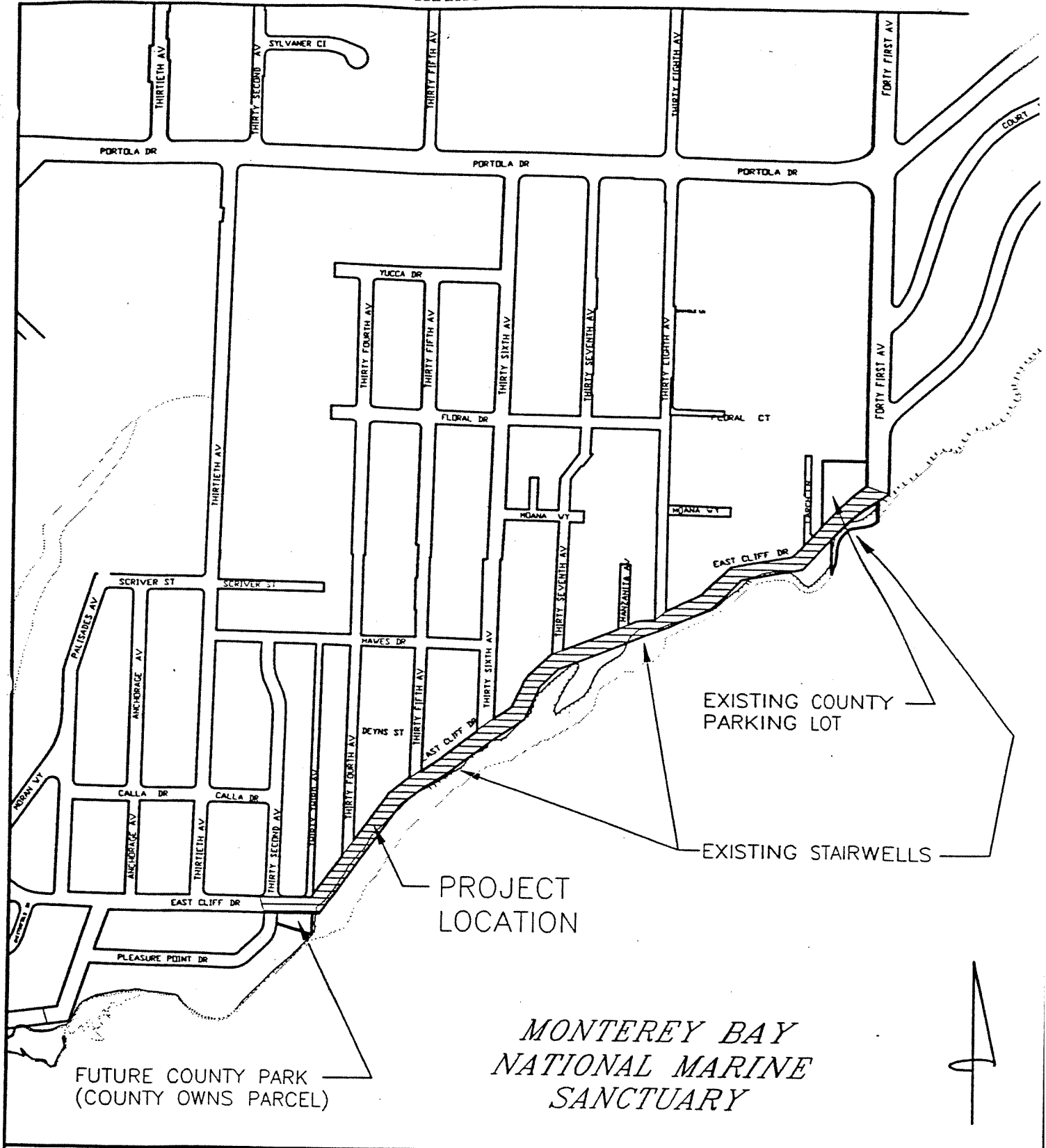
The Board of Supervisors in an attempt to mitigate the additional traffic on 30th Avenue directed the Public Works Department to install four sets of road bumps to reduce vehicular speeds and traffic volumes. The road bumps have

significantly reduce the speeding on the roadway. It is however difficult to determine exactly how many motorists are utilizing other local streets in the Pleasure Point area as an alternative to using 30th Avenue with road bumps. From reviewing the counts though, it does appear that the traffic volumes have drop on 30th Avenue since the installation of the road bumps.

Conclusion

The temporary, one-way study on East Cliff Drive has been a success for the residents and recreational users. The separated bike and pedestrian facility is immensely popular as seen by the number of people who bicycle or walk along the roadway. Motorists have also adjusted to the one-way roadway on East Cliff Drive. It has however caused many residents to take a more circuitous route to reach their homes especially those that live along East Cliff Drive. These residents do however like the significant drop in traffic that has occurred because of the one-way conversion of East Cliff Drive. Attachment 3 provides typical cross-sections of the proposed conversion of East Cliff Drive to an eastbound one-way roadway and Class 1 bike and pedestrian facility.

The Public Works proposes to continue monitoring the roadways in the Pleasure Point area and where necessary to install additional traffic control measures to control operational problems. Currently, the Public Works Department is working with FEMA and other agencies to acquire grants to provide cliff restoration work on East Cliff Drive and to provide for the permanent conversion of East Cliff Drive to a one-way roadway with separated bike and pedestrian facilities.



*MONTEREY BAY
NATIONAL MARINE
SANCTUARY*

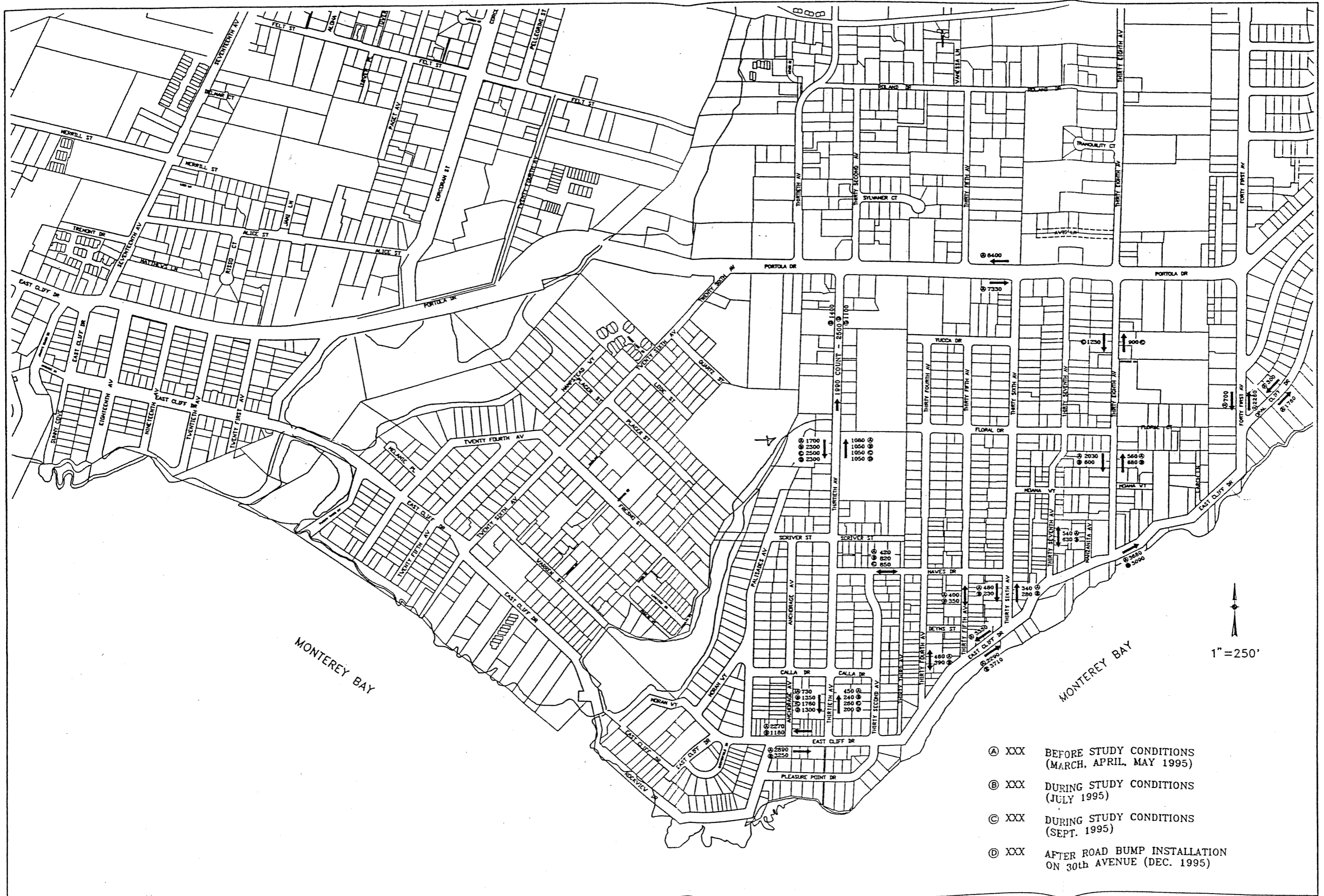
COUNTY OF SANTA CRUZ PUBLIC WORKS

EAST CLIFF DRIVE

NOVEMBER 1995

1" = 500'

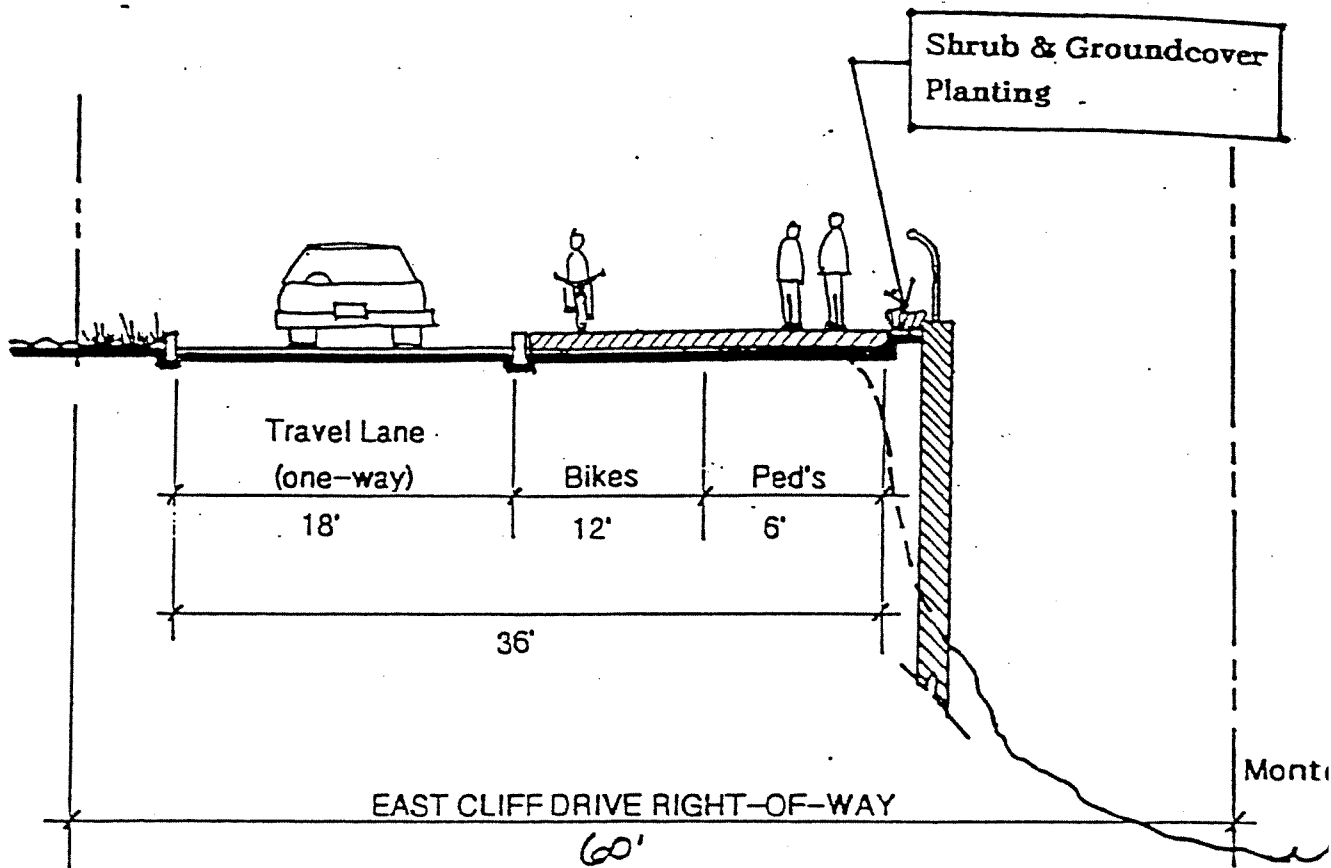
PEDESTRIAN AND BICYCLE PATHWAY PROJECT
32th AVE. TO 41st AVE.



- (A) XXX BEFORE STUDY CONDITIONS
(MARCH, APRIL, MAY 1995)
- (B) XXX DURING STUDY CONDITIONS
(JULY 1995)
- (C) XXX DURING STUDY CONDITIONS
(SEPT. 1995)
- (D) XXX AFTER ROAD BUMP INSTALLATION
ON 30th AVENUE (DEC. 1995)

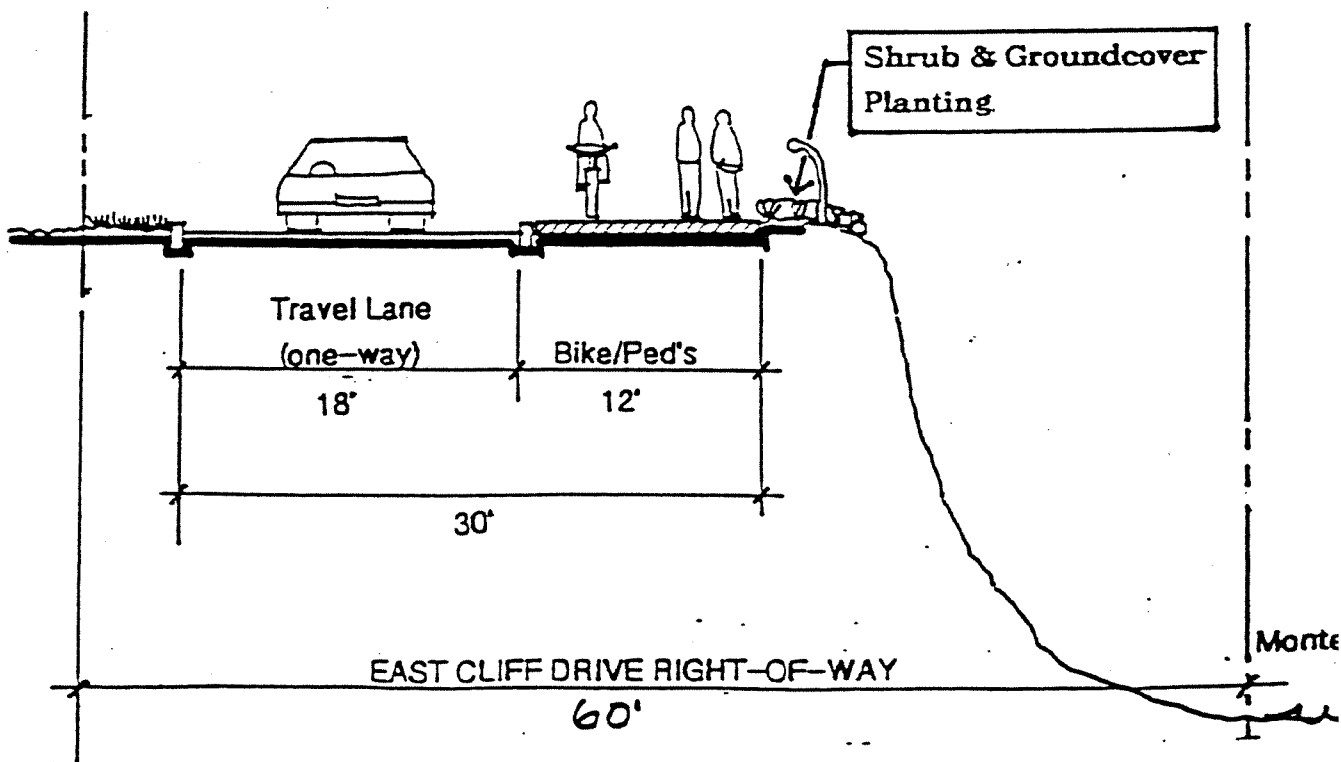
FDR REDUCED PLANS
ORIGINAL SCALE IN INCHES

DRAWING NAME: NAME



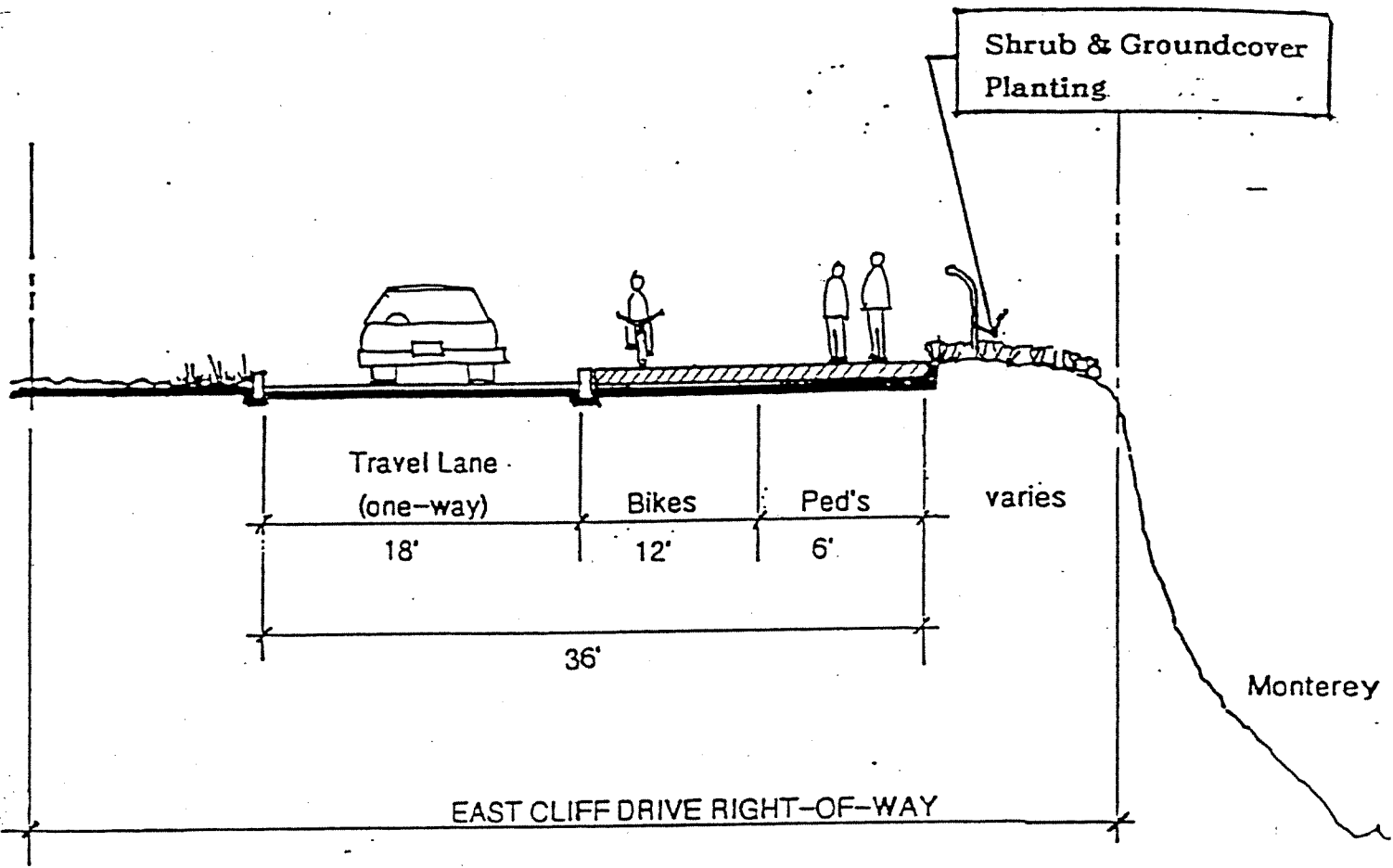
Section A

Coastal Revegetation



Section B

Coastal Revegetation



Section C

Coastal Revegetation